DRAFT

INITIAL STUDY & MITIGATED NEGATIVE DECLARATION

FOR THE

JAMES WORKMAN MIDDLE SCHOOL MODERNIZATION PROJECT

Prepared for:

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1.0 INTRODUCTION

1.1 OVERVIEW

Palm Springs Unified School District (PSUSD or District) has prepared this Initial Study (IS) to evaluate the potential environmental consequences associated with the proposed James Workman Middle School Modernization Project (Project).

The District is proposing to complete modernization improvements on the campus of James Workman Middle School (JWMS). JWMS is located in Cathedral City, California, a community in the Coachella Valley. JWMS serves the north side and a small population of Palm Springs students residing on the eastern side of the campus. According to PSUSD's Long-Range Facilities Master Plan report,[1] which evaluates all PSUSD school facilities, JWMS requires comprehensive modernization upgrades. All permanent structures are rated as fair, requiring modernizations, upgrades, and/or replacements due to major systems being out dated.

1.2 AUTHORITY

PSUSD, as Lead Agency pursuant to California Environmental Quality Act (CEQA)[2], is required to undergo an environmental review process for the Project, pursuant to the CEQA[3] and the State CEQA Guidelines.[4] The basic purposes of CEQA are to inform decision makers and the public about the potential, significant environmental effects of proposed activities, identify ways to eliminate or reduce potentially significant environmental impacts through the use of feasible alternatives and mitigation measures, and to disclose why a governmental agency may consider approving a project if significant environmental effects are involved.[5] Where appropriate and supportive to understand the issues, reference will be made to the statute, CEQA Guidelines, or appropriate case law.

An Initial Study (IS) is used to determine if a project may have a significant effect on the environment. The IS prepared for the JWMS Modernization Project, as required by CEQA, describes the proposed Project and environmental setting, discusses the potential environmental impacts caused by the proposed Project, identifies feasible mitigation measures to eliminate or reduce the potentially significant effects, examines the proposed Project's consistency with applicable zoning, plans, and policies, and identifies the preparers of the Initial Study.

1.3 ORGANIZATION OF THE MND

The content and format of this report are designed to meet the requirements of CEQA and the State CEQA Guidelines. The IS supports the finding that the proposed Project, as mitigated, would have no significant environmental impact and preparation of a Mitigated Negative Declaration (MND) is appropriate for the Project. This report contains the following sections:

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1 PSUSD. Draft Long-Range Facilities Master Plan 2019-2029. 2019, June 25. Page 285.

2 Public Resources Code Section 21000 et seq.

3 Public Resources Code Section 21000 et seq.

4 California Code of Regulations (CCR), Title 14, Section 15000, et seq.

5 CCR, Title 14, § 15002(a).

- **Section 1: Introduction** identifies the purpose and scope of the Initial Study and the terminology used in the report.
- **Section 2: Environmental Setting** describes the existing conditions, surrounding land use, general plan, and existing zoning in the Project area.
- **Section 3: Project Description** identifies the location, background, and planning objectives of the Project and describes the Project in detail.
- **Section 4: Environmental Checklist** presents the checklist responses and evaluation for each resource topic.
- **Section 5: Environmental Analysis** includes an analysis for each resource topic, identifies impacts of implementing the Project, and identifies mitigation measures, if applicable.
- **Section 6: References** identifies all printed references and individuals citied in this report.
- **Section 7: List of Preparers** identifies the individuals who prepared this report and their areas of technical specialty.
- Appendices present data supporting the analysis or contents of this report. These include:
  - **Appendix A: Air Quality and Greenhouse Gas Background and Modeling Data**
  - **Appendix B: Biological Resources Data**
  - **Appendix C: Cultural Resources**
  - **Appendix D: Energy Calculations**
  - **Appendix E: Greenhouse Gas Emissions Output Sheets**
  - **Appendix F: Environmental Resources Data (EDR) Report**
  - **Appendix G: Noise Calculations Output Sheets**
  - **Appendix H: Tribal Cultural Resources**

1.4 PUBLIC AND AGENCY REVIEW OF THE DRAFT MND

PSUSD is providing a 30-day period for review and comment on the Draft MND herein and online at https://www.psusd.us/. Interested individuals, organizations, trustee and responsible agencies, and other agencies can provide written comments to the address below.

Palm Springs Unified School District
Facilities Planning & Development Department
150 District Center Drive
Palm Springs, CA 92264
Contact: Julie Arthur, Executive Director
Fax: (760) 325-8728
E-mail: facilitiesplanning@psusd.us

Please include "James Workman Middle School Modernization Project" in the subject line. Responses should include the name of a contact person within the commenting agency.

Upon completion of the public and agency review period, PSUSD will evaluate the comments on environmental issues received and prepare written responses, which will be considered for adoption by the PSUSD Board of Education.

2.0 ENVIRONMENTAL SETTING

2.1 PROJECT LOCATION

The proposed Project is located at James Workman Middle School (JWMS) at 69300 30th Avenue, Cathedral City, CA in Riverside County. The City of Cathedral City (City) is located in the Coachella Valley, in eastern Riverside County. The City is bordered on the west by the City of Palm Springs, and on the east by the City of Rancho Mirage. The City currently includes 22.5 square miles of land, extending from the Santa Rosa Mountains on the south, to Edom Hill on the north. Regional access to the City is via Interstate 10 (I-10) and State Route 111.

Figure 2.1-1: Regional Location Map and **Figure 2.1-2: Project Location Map** show the Project site from regional and local perspectives. The JWMS campus and surrounding areas are relatively flat. The campus is rectangular-shaped and encompasses 20 acres. Elevation at the campus ranges between 350 feet above sea level (ASL) at the northeast corner and 360 feet ASL at the southwest corner.[6] The school buildings are concentrated in the southeast portion of the campus, and outdoor recreational facilities are in the north.

2.2 EXISTING CONDITIONS

JWMS serves students in grades 6 through 8 and is one of 28 schools in PSUSD. The school was constructed in 1992, with a master plan capacity of 1,147 seats,[7] and the school has a current capacity of 1,695 seats.[8] During the 2020-21 school year, JWMS enrolled 1,129 students;[9] PSUSD projects that in 2026, JWMS will have an enrollment of 1,008 students.[10] The highest enrollment over the past ten years was in the 2015-16 year with 1,428 students, although the school has operated with as many as 1,637 students in the 2004-05 school year.[11] District enrollment, however, is projected to decline, including at JWMS. The JWMS students either walk, ride their bikes or are dropped off by vehicles to schools; many students are dropped off and approximately 200 are bused.

The existing campus is approximately 20 acres in size and includes a combination of permanent, modular and portable buildings built in 1992 with many of the classrooms dating back to 1988; a few of the portables are as recent as 2010.

The campus operates 67 classrooms, including 47 permanent and 20 portable classrooms. Other campus facilities include a combination of offices, classrooms, assembly area, multipurpose room, kitchen, lunch

6 USGS. Topographic Map. https://apps.nationalmap.gov/downloader/#/. Accessed July 2021.

7 PSUSD. Draft Long-Range Facilities Master Plan 2019-2029. 2019, June 25. Page 285. https://drive.google.com/file/d/1u7ikNKoZWNzoyGpITColDqPraFVS_oYS/view.

8 PSUSD. Draft Long-Range Facilities Master Plan 2019-2029. 2019, June 25. Page 285.

9 CDE. Data and Statistics. Accessed: 2021, August 14. https://dq.cde.ca.gov/dataquest/dqcensus/EnrGrdYears.aspx?cds=33671736112692&agglevel=School&year=2014-15&ro=y&ro=y.

10 PSUSD. Draft Long-Range Facilities Master Plan 2019-2029. 2019, June 25. Page 20. https://drive.google.com/file/d/1u7ikNKoZWNzoyGpITColDqPraFVS_oYS/view.

11 PSUSD. Draft Long-Range Facilities Master Plan 2019-2029. 2019, June 25.

shelter, and supporting toilet rooms, storage, mechanical and other utility spaces. The 20 portable classrooms contain both modular and portable structures.

As shown in **Figure 2.2-1: Existing Campus Plan,** the portable structures are the classrooms with the 900-number series and two restroom facilities next to the portable classrooms. The remaining facilities are permanent. The campus facilities include a combination of offices, classrooms, assembly area, multi-purpose room, kitchen and supporting toilet rooms, storage, mechanical and other utility spaces.

A Facility Condition Assessment (FCA) report was completed in 2017.[12] The majority of the classrooms are noted as either Category 1 - Excellent; this category indicates that the buildings are modern, and upgrades due to systems failures are not a priority at this time, or Category 2 – Good; this category indicates that modernization, upgrades due to systems failures are not a priority at this time. A couple of the portables are noted as Category 4 – Poor. This category notes that modernization, upgrades, replacements due to systems failures are a high priority at this time; major systems are failing and should be scheduled for in the future.

The campus contains two parking lots with solar canopies. One in the southwest corner with access from 30th Avenue and San Eljay Avenue, and the other along the southeast perimeter with access from 30th Avenue. Student loading is provided curbside in the southwest lot, in front of the school buildings; most vehicles enter the lot from 30th Avenue and exit on San Eljay Avenue. School bus loading is on site at a designated area, parallel to San Eljay Avenue.

2.3 SURROUNDING LAND USES

JWMS is in a residential community, as shown in **Figure 2.2-1**. Vacant (undeveloped) land—zoned for residential use—borders JWMS to the west and north, and the Dennis Keat Soccer Park borders the campus to the east. Immediately south of 30th Avenue and east of the park are single-family residences. Farther west is Date Palm Drive, beyond which are planned neighborhood business uses and existing residential uses. I-10 Freeway and a double-track railroad easement are approximately 0.5 mile north of JWMS.

2.4 GENERAL PLAN AND EXISTING ZONING

The land use designation for the Project Site is "Schools" or "P/S," as shown **Figure 2.3-1: General Plan Land Use Map**, and the surrounding areas are designated as "Low Density Residential" for residential developments of 2 to 4.5 dwelling units per acre, or "RL." P/S land use designations are used for developments of educational facilities such as daycare, elementary, intermediate, high, special, and technical schools.[13]

As shown in **Figure 2.3-2: Zoning Map**, the Project Site and surrounding area are zoned "Single Family Residential" or "R1." Permitted uses on the Project site include home occupations, large family day care homes, parking lots, small family day care homes, supportive housing, and transitional housing. Public school facilities are conditionally allowed uses.[14]

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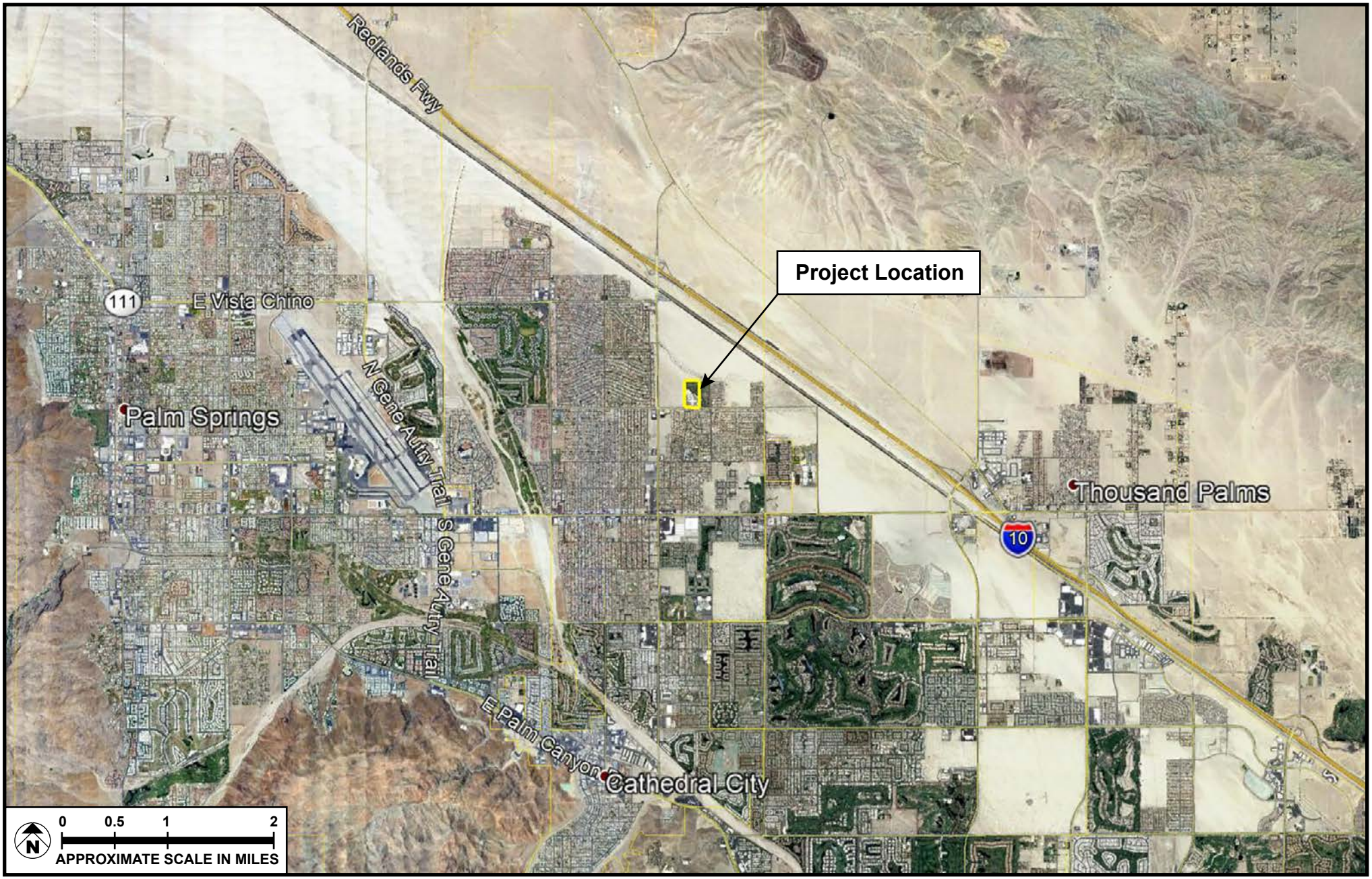
12 PSUSD. Draft Long-Range Facilities Master Plan 2019-2029. 2019, June 25. Page 285.

13 Cathedral City. Cathedral City General Plan. Land Use Element. https://www.cathedralcity.gov/home/showpublisheddocument/2692/636245721641900000. Accessed July 2021.

14 Cathedral City. Cathedral City Municipal Code. Title 9 Planning and Zoning- Division II District Regulations. http://qcode.us/codes/cathedralcity/?view=desktop&topic=9-ii-9_10-9_10_010. Accessed July 2021.



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **2.1-1**

Meridian Consultants

Regional Location Map

049-019-20

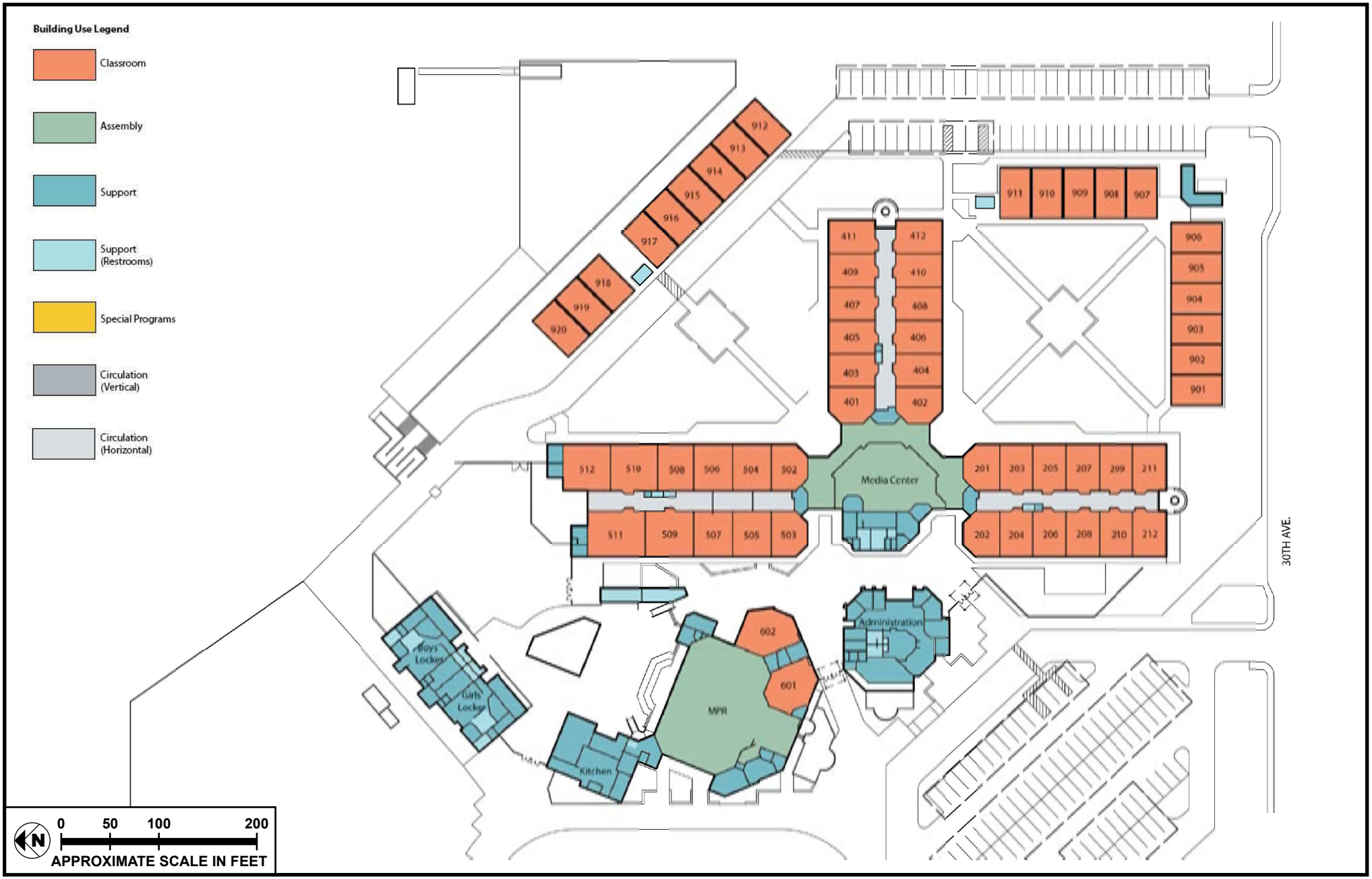
SOURCE: Google Earth—2021; Meridian Consultants—2021

FIGURE **2.1-2**

Meridian Consultants

Project Location Map

049-019-20



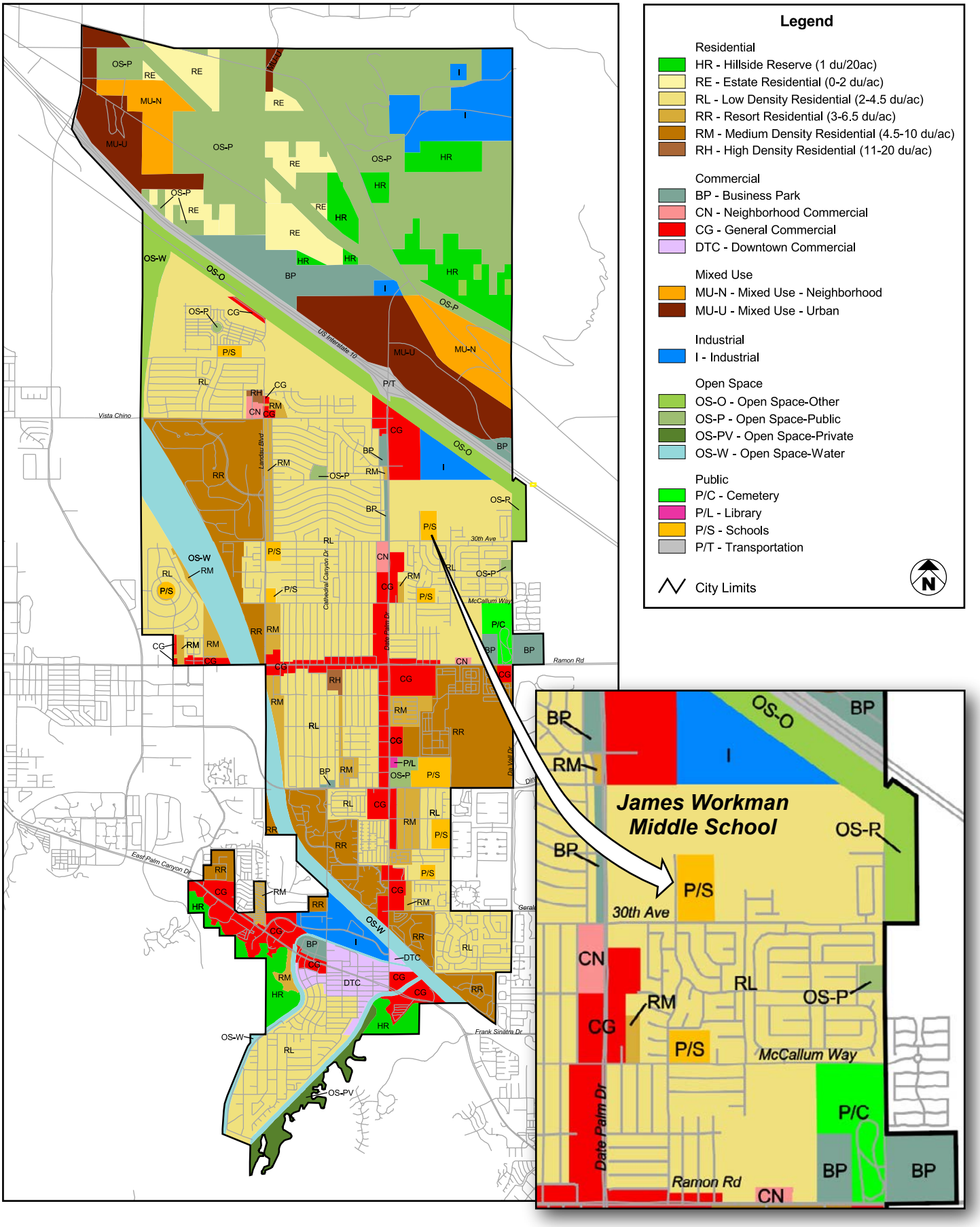
SOURCE: PBK - June 25, 2019

FIGURE **2.2-1**

Meridian Consultants

Existing Campus Layout

049-019-20



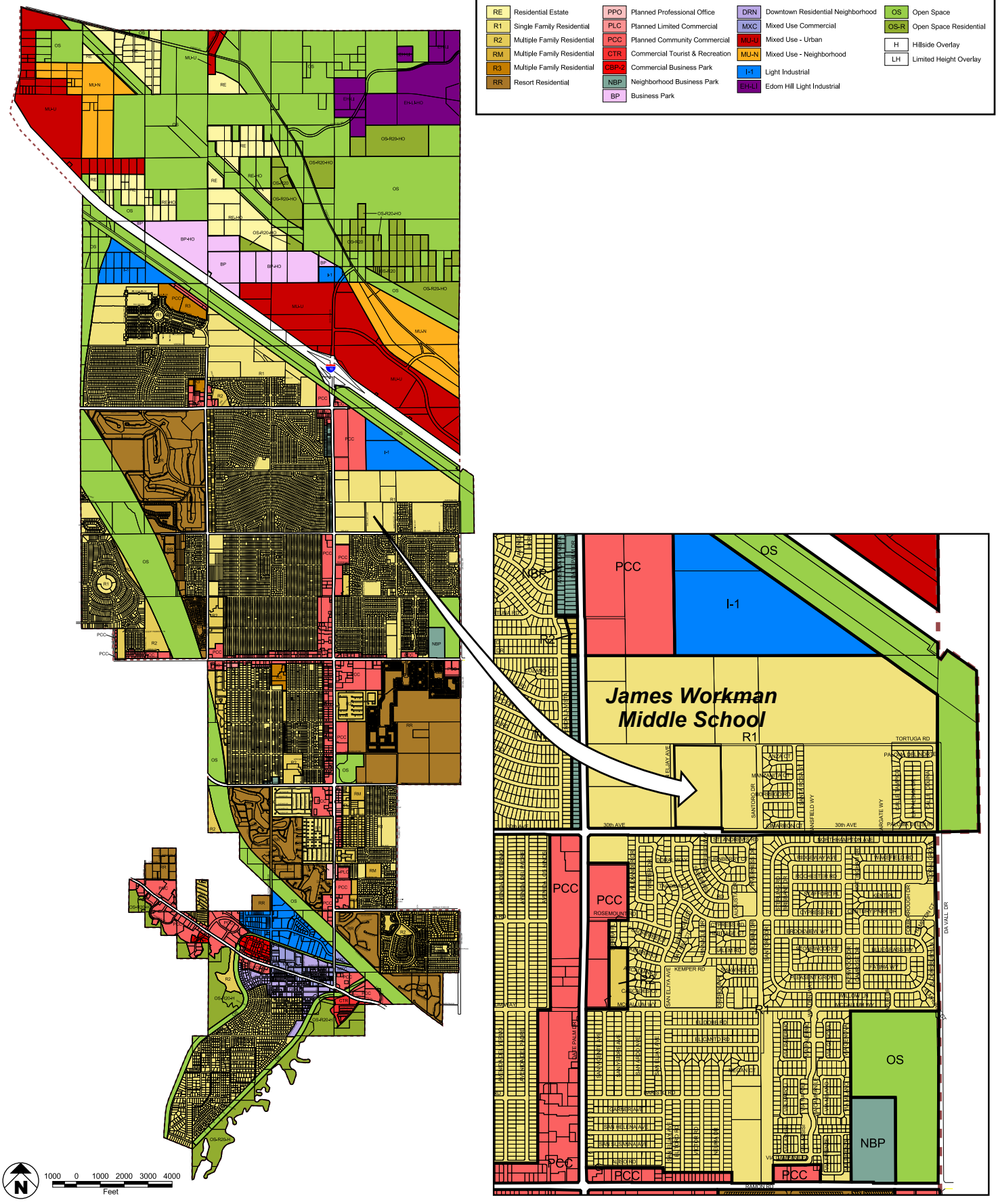
SOURCE: Cathedral City - 12/2010

FIGURE **2.3-1**

Meridian Consultants

General Plan Land Use Map

049-010-18



SOURCE: Cathedral City - 12/2010

FIGURE **2.3-2**

Meridian Consultants

Zoning Map

049-010-18

3.0 PROJECT DESCRIPTION

3.1 OVERVIEW

PSUSD proposes modernizing JWMS, including replacing existing portable classroom buildings with one new permanent building, renovating and modernizing the interior of existing permanent buildings, improving the hardscape around school buildings. **Figure 3.1-1: Proposed Improvements** illustrates the conceptual Project plan.

3.2 PROJECT CHARACTERISTICS

Construction of the proposed Project would occur in six phases as summarized in **Table 3.2-1: Project Construction Phasing,** and illustrated in **Figure 3.2-1: Construction Phasing**. The Project includes the phased removal and demolition of the 20 portable classroom structures on the JWMS campus and the construction of permanent replacement classroom facilities.

TABLE 3.2-1
PROJECT CONSTRUCTION PHASING

Construction Phase	Activity Description	Approximate Duration
1	Construct new classroom building, site improvements.	14 months
2	Interior modernization and renovation improvements for Buildings 200, 400 and 500, and portable demolition.	12 months
3	Interior modernization and renovation improvements for kitchen and Building 600, and Building 700 Restroom improvements.	4 months
4	Interior renovation for Building 800.	4 months
5	Interior renovation for Media Center Building 300 and Admin Building.	4 months
6	ADA and Hardscape improvements.	4 months

Source: PSUSD. Draft Preschematic Project Program Assessment- James Workman Middle School (March 2021).

- **Phase 1 - Construct new classroom building, site improvements, transportation improvements:** Construction of the new classroom building would commence the summer of 2022 and last approximately 14 months, ending the summer/fall of 2023. Construction of the proposed classroom building would occur in Phase 1. The portable classrooms northeast of the permanent school buildings would be removed and/or demolished and hauled off site. The portable classrooms on the southeast corner would remain and serve as swing space for students, while the new classroom building is being constructed. Construction of the building would require the area to be rough graded for the installation of foundations, substructure, superstructure, roofing, utilities, and related site work. Work around the exterior of the building would include development of a fire lane, fencing, landscaping.

- In the event the reduced capacity caused by the removal of the portable classrooms is not sufficient to support academic activities, sixth grade students may be bussed to a nearby school. The school buses would pick-up and drop-off students at JWMS. No interim housing or temporary structures would be installed.

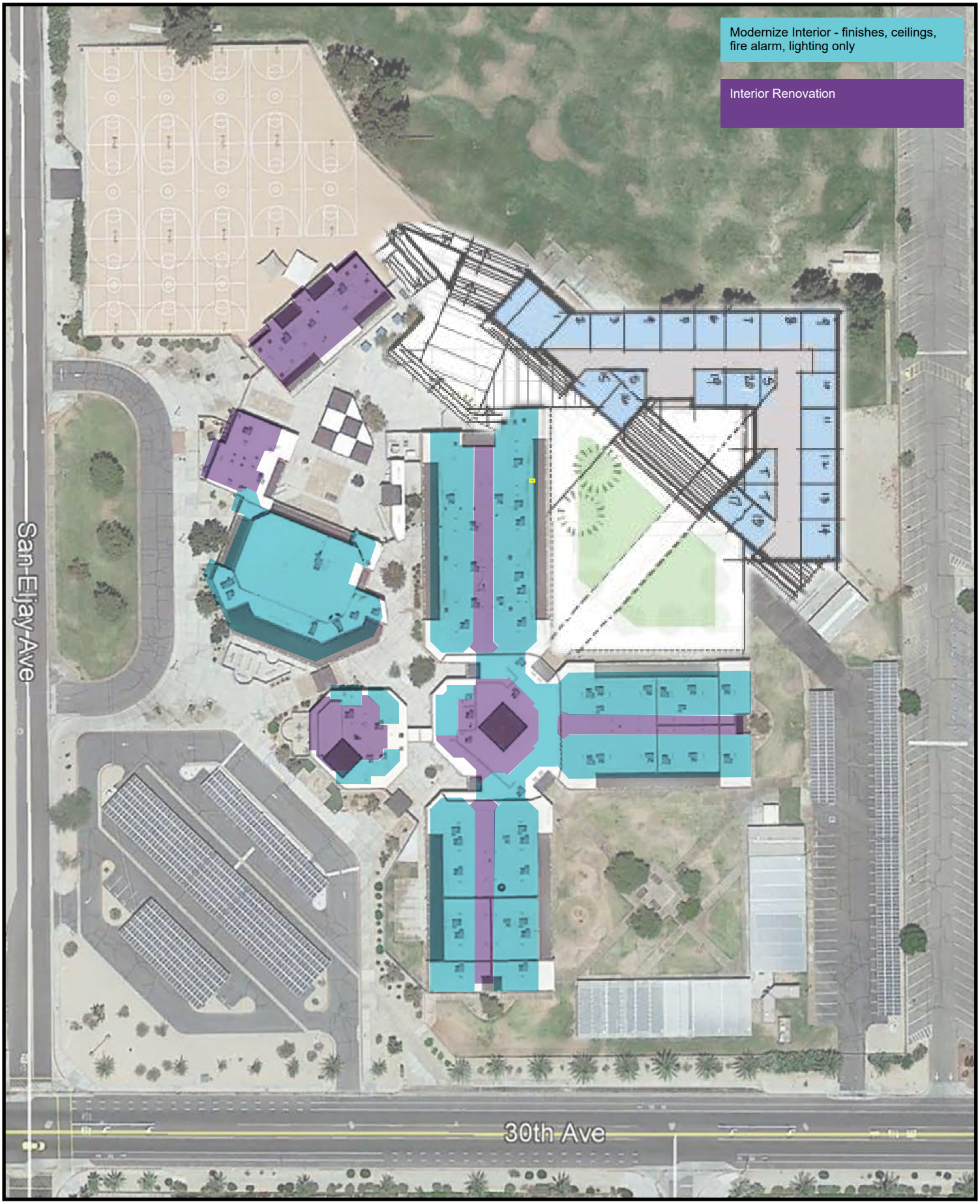
- **Phase 2 - Interior modernization and renovation improvements for Buildings 200, 400 and 500, and portable demolition:** is anticipated to start summer 2023, and end summer 2024, for a duration of about 12 months. Phase 2 entails modernizing and renovating classrooms in Buildings 200, 400, and 500, the multipurpose room, the media center and administration space, and the restroom facility south of Building 500. Modernization would include building upgrades with new walls, floors, ceiling finishes and the replacement of water heaters, exhaust fans, fire alarms, and ground fault systems. The portable classroom buildings on the southeast corner of JWMS would be removed during Phase 2. Similar to Phase 1, depending on the enrollment count, sixth grade students may be bussed to a nearby school if the reduced capacity at the campus is not sufficient to support academic activities. Students would be picked up and dropped-off at JWMS. No interim housing or temporary structures would be installed during Phase 2.

- **Phase 3 - Interior modernization and renovation improvements for kitchen and Building 600, and Building 700 Restroom improvements :** is anticipated to commence during the summer of 2023 and last for four months. Phase 3 includes the continuation of interior modernization activities in Phase 2, including at the kitchen, multipurpose room, restrooms south of building 500, and two classrooms adjacent to the multipurpose room. Modernization activities would be like Phase 2, which includes new walls, floors, and ceiling finishes, replacement of water heaters, exhaust fans, fire alarms, and ground fault systems. The stage lighting in the multipurpose room would also be upgraded.

- **Phase 4 - Interior renovation for Building 800:** is anticipated to start the summer of 2023 and last four months This phase focuses on the locker room in Building 800. Renovations would also be made to the outdoor locker alcoves and showers, which would increase the number of lockers and replace handicap lifts with ramps.

- **Phase 5 - Interior renovation for Media Center Building 300 and Admin Building:** would occur in the summer of 2024 and last four months. The focus would be on the media center in Building 300 and the administration building. Renovation would focus on improving the utilization of existing spaces at these buildings. Plumbing fixtures would also be replaced.

- **Phase 6 – ADA and Hardscape improvements**: Phase 6 is anticipated to commence during the summer of 2024 and last four months. Hardscape improvements would be made at the campus promenade to create space for students to socialize and gather by utilizing the outdoor space between Buildings 500 and 200 and the administration building.



SOURCE: Google Earth - 2021

FIGURE **3.1.1**

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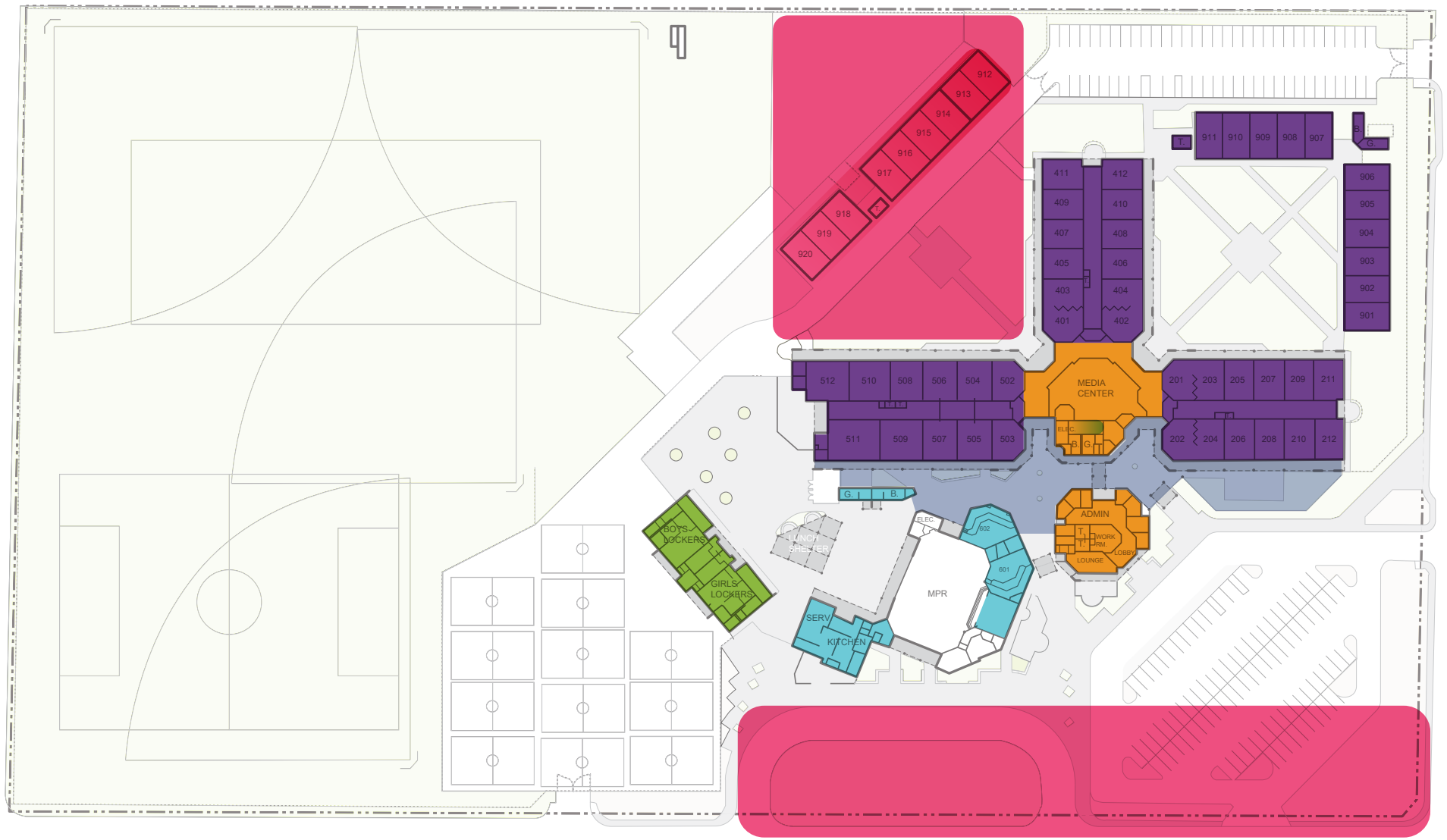
Proposed Improvements



SOURCE: Draft Pre-Schematic Project Program Assessment - March 2021

FIGURE **3.2-1**

Meridian Consultants

Construction Phasing

049-019-20

New Classroom Building

The Project includes the phased removal and demolition of the 20 portable classroom structures on the JWMS campus and the construction of permanent replacement classroom facilities.

The new building would be approximately 20,000 sq. ft. or less and constructed in the general area of the existing northernmost portables, as shown in **Figure 3.1-1**. The building would be 1 story in height and across from the 400 and 500 classroom building wings. The building would have 20 classrooms or less, restrooms, utility rooms, and student collaboration spaces. The Project may change the total number of classrooms at JWMS; the campus would continue to operate with no more than 67 classrooms.

Existing Building Renovations

Building improvements would include modernizing and renovating the interior spaces of existing permanent buildings. All classrooms would require renovation. Other areas that would be modernized include the multipurpose room, parts of the media center and administration space, restrooms, locker rooms, kitchen, and the hallways of the classroom buildings.

Interior Improvements

All the heating, ventilation and air conditioning (HVAC) package units on campus were replaced as part of Prop 39.[15] However all exhaust fans should be replaced, and the kitchen needs an HVAC system with more cooling capacity. All plumbing fixtures on campus are recommended to be replaced to meet current low flow code requirements. Staff toilets in classroom hallways are too small to meet ADA code and will need to be demolished and replaced. All water heaters on campus should be replaced.[16] Drinking fountains will be replaced with bottle filler stations on a case-by-case basis. Electrical and technology systems currently serving the campus require replacement of specific systems throughout. Up-grades are anticipated for campus ground fault system, lighting, low voltage systems, fire alarm and security/intrusion detection systems. The campus Main Distribution Frame (MDF), a room where that serves as a transitional point from the voice, data, and video building feed cables to intra-building backbone cable, is poorly located inside the book storage room and will need to be moved to its own room

Hardscape Improvements

Improvements would be made to the hardscapes around the existing permanent buildings, including the administrative building, multipurpose room, and classroom buildings. Hardscape improvements would involve the redesigning the outdoor spaces, demolition of existing hardscape and installation of new concrete paving and curbs, concrete staircase, ramps, and access field area near the locker building.

15 PSUSD. Draft Preschematic Project Program Assessment- James Workman Middle School (March 2021).

16 PSUSD. Draft Preschematic Project Program Assessment- James Workman Middle School (March 2021).

Demolition and Construction

Construction activities would occur during normal weekday working hours, between 7:00 AM and 5:30 PM; Saturday construction hours would be limited to 8:00 AM to 5:00 PM, and no construction would occur on Sundays.

Construction staging would occur on site. The staging area has not yet been determined and may change for each construction phase, although to the extent possible PSUSD would place the area away from active school areas**.** No street closure is anticipated for this Project. A variety of construction equipment would be used.

All construction workers would be required to wear identification badges and checked in through the school office prior to each day's construction activities. Construction areas would be separated from the rest of the campus by temporary fencing, secured by locks and security guards.

Students participating in academic activities would not be able to access the areas of the campus undergoing construction activities. When school is not in session the overall campus area would be secured by temporary fencing and locked gates surrounding the active construction area(s). Additional security and safety measures may be implemented to further secure the campus during and outside of school operational hours.

Project Schedule

It is anticipated that the construction activities would begin in the Spring of 2022 and end in early 2025; see **Figure 3.2-1**.

The project development timeline schedule is currently based on the modernization of the whole site in a single construction contract and assumes phasing not yet confirmed. Phasing of building modernizations must be based on enrollment. These logistics will require detailed analysis during the design phases of the project. Phasing could occur in 5 phases with Phase 1 including the construction of the new classroom building, transportation and associated site improvements. Next, in Phase 2 the existing classroom wings would be modernized and students would occupy the new classroom building and existing portable classrooms. Phases three and four will modernize the Kitchen, Servery, Music rooms and MPR A/V and lighting, building 800 interior renovations (lockers), and building 700 (restrooms). The final phases will modernize the Media Center and Administration buildings.

3.3 PROJECT DISCRETIONARY ACTIONS

It is the intent of this Initial Study to evaluate the environmental impacts of the Project, thereby enabling PSUSD, responsible agencies, and interested parties to make informed decisions. The anticipated approvals for this Project are:

Lead Agency	Action
PSUSD Board of Education	MND Adoption and Project Approval
Responsible Agencies	**Action**
Regional Water Quality Control Board	NPDES Permit; Notice of Intent (NOI) to Obtain Permit Coverage; Issue General Permit for Discharges of Stormwater Associated with Construction; Storm Water Pollution Prevention Plan (SWPPP)
Reviewing Agencies	**Action**
California Department of Education, School Facilities and Transportation Services Division	Review School Design and Program
California Department of General Services, Division of the State Architect	Review Building and Construction Plans

4.0 ENVIRONMENTAL CHECKLIST

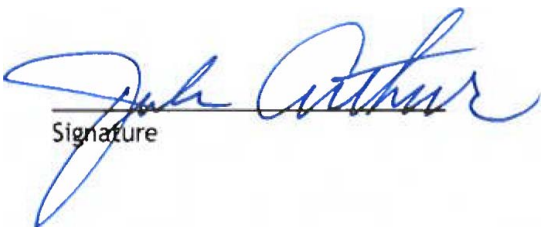
4.1 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project.

☐	Aesthetics	☐	Agriculture and Forestry Resources	☐	Air Quality
☐	Biological Resources	☐	Cultural Resources	☐	Energy
☐	Geology /Soils	☐	Greenhouse Gas Emissions	☐	Hazards / Hazardous Materials
☐	Hydrology/Water Quality	☐	Land Use/Planning	☐	Mineral Resources
☐	Noise	☐	Population/Housing	☐	Public Services
☐	Recreation	☐	Transportation	☐	Tribal Cultural Resources
☐	Utilities/Service Systems	☐	Wildfire	☐	Mandatory Findings of Significance

On the basis of this initial evaluation:

☐	I find that the Project COULD NOT have a significant effect on the environment and is eligible for a Categorical Exemption.
☐	I find that the Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
☒	I find that although the Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
☐	I find that the Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
☐	I find that the Project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
☐	I find that although the Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the Project, nothing further is required.



Signature

9/17/21

Date

5.0 ENVIRONMENTAL ANALYSIS

This section provides an evaluation of the environmental impacts of topics contained in the CEQA Guidelines Appendix G.

A brief explanation for the determination of significance is provided for all impact determinations except "No Impact" determinations that are adequately supported by the information sources the Lead Agency (PSUSD) cites in the parentheses following each question. A "No Impact" determination is adequately supported if the referenced information sources show that the impact simply does not apply to the Project (e.g., the project falls outside a fault rupture zone). A "No Impact" determination includes an explanation of its bases relative to project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

Explanations take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

Once the Lead Agency has determined that a particular physical impact may occur, then the checklist indicates whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant.

"Less Than Significant with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level.

5.1 AESTHETICS

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
AESTHETICS—Would the project:					
a.	Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b.	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	☐	☐	☐	☒
c.	In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d.	Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Discussion

a. Have a substantial adverse effect on a scenic vista?

Less than Significant Impact. Scenic vistas are picturesque views of features such as mountains, forests, the ocean, and/or urban skylines. Scenic vistas near the Project site include Santa Rosa Mountains 39.2 miles to the south, Little San Bernardino Mountains 47 miles to the north, San Jacinto Mountains 50.8 miles to the west, and Indio Hills 23.7 miles to the east. From 30th Avenue and San Eljay Avenue, on the northwestern corner of the campus, the mountains and hill vistas are visible but slightly obstructed by trees and residential development, and clearly visible to the northwest.

The Project involves the replacement of all portable facilities with a one-story permanent building, interior renovations in the existing permanent buildings, and other site improvements. The new building would be constructed in the general footprint of the northernmost portable structures on the campus. Construction would be short term and would not require large equipment that would obstruct views of the vistas. Additionally, due to its height and location at the mid-eastern perimeter, the proposed building would not substantially change existing public views of the surrounding scenic vistas. Therefore, the Project's impact on scenic vistas would be less than significant.

Mitigation Measures: No mitigation measures are required.

b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?

No Impact. The closest officially designated State scenic highway is State Route 62 (SR 62), which is approximately 10 miles NW of the Project site.[17] Due to the distance, the Project site is not visible from viewpoints along the highway. The Project site does not contain any scenic resources, such as rock outcroppings or trees, or historic buildings that would be damaged by the Project. No impacts to scenic highways would occur, and no mitigation measures are required.

Mitigation Measures: No mitigation measures are required.

c. In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less Than Significant Impact. As shown in **Figure 2.2-1**, the Project site is developed with a middle school and is surrounded by Dennis Keat Soccer Park adjacent to the east, low-density single-family residential uses to the south and farther east, and vacant/open space to the north and west.

The Project would remove the older portable structures and construct a one-story building near the mid-eastern boundary on the campus. The new building would be designed with similar architectural style as the existing school buildings. With the removal of the portable structures and placement of the new building away from 30th Avenue, the closest buildings would be setback from the street, and the campus would appear open. The Project would improve the visual character and quality of the Project site and surrounding area. Furthermore, the Cathedral City Land Use Map designates the Project site P/S-Schools, and the site is zoned Single Family Residential (R1). The Project would not conflict with applicable zoning and other regulations governing scenic quality. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. Existing sources of light in the Project area include lighting from school buildings, street lighting along 30th Avenue and San Eljay Avenue, residential uses, and high-intensity

17 California State Scenic Highway System Map. https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa. Accessed February 2021.

nighttime lighting at the fields at the Dennis Keat Soccer Park. The Project would not generate substantially more lighting than that existing. The construction and staging areas would be on site and may be lighted in the evening for security purposes. The proposed exterior improvements at the existing buildings to be modernized and new permanent building would include external security lighting. All new exterior lighting proposed would be focused and would not spill over the school boundaries. The Project does not include any other nighttime field lighting. Internal lighting at the proposed building would be minimal and mostly noticeable during a handful of nighttime events, such as Back-to-School night. Project lighting that would not affect day or nighttime views in the area. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

5.2 AGRICULTURE AND FORESTRY RESOURCES

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
AGRICULTURE AND FORESTRY RESOURCES—Would the project:					
a.	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?	☐	☐	☐	☒
b.	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c.	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code [PRC] section 12220(g)), timberland (as defined by PRC section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d.	Result in the loss of forestland or conversion of forestland to nonforest use?	☐	☐	☐	☒
e.	Involve other changes in the existing environment which, due to their location or nature could result in conversion of Farmland, to nonagricultural use or conversion of forestland to nonforest use?	☐	☐	☐	☒

Discussion

a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?

No Impact. According to the California Department of Conservation "California Important Farmland Map," the project site and surrounding uses are listed as Urban and Built-Up Land.[18] The Project site and surrounding area are not listed as Prime Farmland, Farmland of Statewide Importance, Unique Farmland, or Farmland of Local Importance. The Project site and surrounding development are not currently used for agriculture. The Project would not convert farmland to nonagricultural use. No impacts would occur.

18 Department of Conservation, "California Important Farmland Map," https://maps.conservation.ca.gov/DLRP/CIFF/. Accessed February 2021.

Mitigation Measures: No mitigation measures are required.

b. Conflict with existing zoning for agricultural use, or Williamson Act Contract?

No Impact. The Project site and adjacent parcels are zoned Single-Family Residential (R1).[19] The Project site and adjacent properties are not under a Williamson Act Contract.[20] Therefore, the implementation of the Project will not conflict with existing for agricultural use or Williamson Act Contract. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in PRC section 12220(g)), timberland (as defined by PRC section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The Project site is zoned Single Family Residential (R1) and not zoned forest, timberland, or timberland production. The Project site is developed with a middle school and is not used for forest land or timberland. The Project would not conflict with the existing zone or cause the change to the zone. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

d. Result in the loss of forestland or conversion of forestland to nonforest use?

No Impact. The Project site is not zoned for forestland and contains no forestland. Furthermore, the Project would not result in the loss of or conversion of forestland to nonforest use. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

e. Involve other changes in the existing environment which, due to their location or nature could result in conversion of Farmland, to nonagricultural use or conversion of forestland to nonforest use?

No Impact. Refer to Questions 5.2b and c. The Project site is not zoned for agriculture or forestland. The Project would not result in conversion of farmland to nonagricultural use or forestland to nonforest use. No impacts would occur.

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19 Cathedral City, "Zoning Map," https://www.cathedralcity.gov/home/showpublisheddocument?id=5350. Accessed August 2021.

20 Cathedral City, General Plan EIR. 2019. July 1. Accessed: 2021, August 25. https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000.

5.3 AIR QUALITY

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:					
a.	Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b.	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard?	☐	☐	☒	☐
c.	Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d.	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

Discussion

a. Conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant Impact. The South Coast Air Quality Management District (SCAQMD) is the agency responsible for attaining State and federal clean air standards in the South Coast Air Basin (Basin), for which the Project is within. The SCAQMD adopted an updated air quality management plan (AQMP) in March 2017.[21] The Final 2016 AQMP was prepared to comply with the federal and State Clean Air Acts and amendments; accommodate growth; reduce pollutants in the Basin; meet federal and State air quality standards; and minimize the fiscal impact of pollution control measures on the local economy. It builds on approaches in the previous AQMP to achieve attainment of the federal ozone air quality standard. These planning efforts have substantially decreased exposure to unhealthy levels of pollutants, even while substantial population growth has occurred within the Basin. Projects considered to be consistent with the AQMP would not interfere with attainment because this growth is included in the projections utilized in the formulation of the AQMP. Therefore, projects, uses, and activities that are consistent with the applicable assumption used in the development of the AQMP would not jeopardize

21 South Coast Air Quality Management District, Final 2016 Air Quality Management Plan, March 2017.

attainment of the air quality levels identified in the AQMP, even if they exceed the SCAQMD's recommended daily emissions thresholds.

The Southern California Association of Governments (SCAG) has the responsibility for preparing and approving the portions of the AQMP relating to regional demographic projections and integrated regional land use, housing, employment, and transportation programs, measures, and strategies. With respect to the determination of consistency with AQMP growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) regarding population, housing, and growth trends. With regard to air quality planning, SCAG has prepared and adopted the 2020–2045 RTP/SCS,[22] which includes a Sustainable Communities Strategy that addresses regional development and growth forecasts. Determining whether or not a project exceeds SCAG's growth forecasts involves the evaluation of the following: (1) consistency with applicable population, housing, and employment growth projections; (2) project mitigation measures; and (3) appropriate incorporation of AQMP land use planning strategies.

A project is consistent with the AQMP, in part, if it is consistent with the population, housing, and employment assumptions that were used in the development of the AQMP. The Project would not increase population, employment, or housing projections. The Project would update the existing school campus and modernize or replace current buildings on campus without increasing enrollment capacity. Thus, the Project would not induce an increase in population, employment, or housing, and the Project would not conflict with growth projections used in the development of the AQMP.

Additionally, the Basin is currently designated as nonattainment for O3 and PM10. SCAQMD developed regional emissions thresholds to determine whether a project would contribute to air pollutant violations. If a project exceeds the regional air pollutant thresholds, then it would significantly contribute to air quality violations in the Basin. As discussed further in **Table 5.3-1: Maximum Construction Emissions** below, temporary emissions associated with construction of the Project would fall below regional thresholds, and impacts would be less than significant. Additionally, as discussed further in **Table 5.3-2: Maximum Operational Emissions** below, long-term emissions associated with Project operation would not exceed SCAQMD's emission thresholds. As such, the Project would not conflict with the growth assumptions in the regional air plan and would not contribute to air quality violations in the Basin. Impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

22 Southern California Association of Governments, Connect SoCal: 2020–2045 Regional Transportation Plan/Sustainable Communities Strategies, https://scag.ca.gov/read-plan-adopted-final-plan, accessed June 2021.

b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard?

Less than Significant Impact. A significant impact could occur if the Project would add a considerable cumulative contribution to federal or State nonattainment pollutants. The Basin is currently designated as nonattainment for O3 and PM10. In regard to determining the significance of the Project's contribution, the SCAQMD neither recommends quantified analyses of construction and/or operational emissions from multiple related projects nor provides methodologies or thresholds of significance to be used to assess the cumulative emissions generated by multiple cumulative projects. Instead, the SCAQMD recommends that a project's potential contribution to cumulative impacts be assessed utilizing the same significance criteria as those for project-specific impacts. The SCAQMD states that "projects that do not exceed the project specific thresholds are generally not considered to be cumulatively significant."[23] Therefore, if a project generates less than significant construction or operational emissions, then the project would not generate a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment.

Construction

With respect to the Project's construction-period air quality emissions and cumulative Basin-wide conditions, the SCAQMD has developed strategies to reduce criteria pollutant emissions outlined in the AQMP pursuant to National Ambient Air Quality Standards (NAAQS). Among the SCAQMD rules applicable to the Project are Rule 403 (Fugitive Dust) and Rule 1113 (Architectural Coatings). Rule 403 requires the use of stringent best available control measures (BACMs) to minimize PM10 emissions during grading and construction activities.[24] Rule 1113 limits the VOC content of coatings, with a VOC content limit for flat coatings of 50 grams per liter (g/L).[25] Per SCAQMD rules and mandates as well as the CEQA requirement that significant impacts be mitigated to the extent feasible, these same requirements (i.e., SCAQMD Rule 403 compliance, the implementation of all feasible Mitigation Measures, and compliance with adopted AQMP emissions control measures) would also be imposed on construction projects Basin-wide, where applicable.

According to the SCAQMD, individual construction projects that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment. Construction of the Project has the potential to create air quality impacts through the use of heavy-duty construction equipment and through vehicle trips generated from construction workers to and from the Project site. In addition, fugitive dust

23 South Coast Air Quality Management District, White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2003), Appendix A.

24 SCAQMD, Rule 403 Architectural Coating (amended June 3, 2005), https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf?sfvrsn=4, accessed August 2021.

25 SCAQMD, Rule 1113 Architectural Coating (amended February 5, 2016), http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1113.pdf, accessed August 2021.

emissions would result from demolition and construction activities. NOx emissions would result from the use of off-road construction equipment. Paving and the application of architectural coatings (e.g. paints) would potentially release VOCs.

Construction emissions were estimated according to the SCAQMD CEQA Air Quality Handbook and construction emission factors contained in the California Emissions Estimator Model (CalEEMod) (See **Appendix A: Air Quality CalEEMod Output Sheets**). The emission calculations assume the use of standard construction practices, such as compliance with SCAQMD Rule 403 (Fugitive Dust), which requires all unpaved demolition and construction areas to be wetted at least three times a day during grading and construction to minimize the generation of fugitive dust.

The results presented in **Table 5.3-1: Maximum Construction Emissions** are compared to the SCAQMD-established construction significance thresholds. As shown in **Table 5.3-1**, the construction emissions would not exceed the regional VOC, NOx, CO, SOx, PM10, and PM2.5 concentration thresholds. As such, construction impacts would be less than significant.

TABLE 5.3-1
MAXIMUM CONSTRUCTION EMISSIONS

	VOC	NOx	CO	SOx	PM10	PM2.5
Source	pounds/day					
2022	1	18	21	<1	1	1
2023	7	26	33	<1	2	1
2024	1	13	17	<1	1	1
Maximum	**7**	**26**	**33**	**<1**	**1**	**<1**
SCAQMD Mass Daily Threshold	75	100	550	150	150	55
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

CO = carbon monoxide; NOx = nitrogen oxides; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns; SOx = sulfur oxides; VOC = volatile organic compounds.
*Refer to **Appendix A: Air Quality CalEEMod Output Sheets**.*

Operation

Operational activities associated with the Project would result in long-term emissions from area, energy, and mobile sources. Area-source emissions are based on natural gas (building heating and water heaters), landscaping equipment, and consumer product (including paint) usage rates provided in CalEEMod. Natural gas usage factors in CalEEMod are based on the California Energy Commission (CEC)'s California Commercial End Use Survey data set, which provides energy demand by building type and climate zone. Mobile source emissions are derived primarily from vehicle trips generated by the Project. The Project would not increase the number of students attending the school. As such mobile emissions would remain the same as the existing conditions.

The results presented in **Table 5.3-2: Maximum Operational Emissions** are compared to the SCAQMD-established operational significance thresholds. As shown in **Table 5.3-2**, operational emissions associated with the Project would not exceed the SCAQMD's emission thresholds and would therefore not result in a cumulatively considerable net increase of any criteria pollutant. Moreover, emissions would be reduced under the Project compared to existing emissions. These reductions are a result of higher building efficiency standards for new development, and implementation of regulation that require higher efficient and alternative fueled vehicles. As such, operational impacts would be less than significant.

TABLE 5.3-2
MAXIMUM OPERATIONAL EMISSIONS

Source	VOC	NOx	CO	SOx	PM10	PM 2.5
	pounds/day					
Area	2	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	10	12	84	<1	20	5
Total	12	12	85	<1	20	5
Existing	*14*	*18*	*105*	*<1*	*20*	*6*
Net Total	**(2)**	**(6)**	**(20)**	**(<1)**	**0**	**(1)**
SCAQMD Mass Daily Threshold	55	55	550	150	150	55
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

CO = carbon monoxide; NOx = nitrogen oxides; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns; SOx = sulfur oxides; VOC = volatile organic compounds.
*Refer to **Appendix A: Air Quality CalEEMod Output Sheets**.*

c. Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. The SCAQMD developed the Localized Significance Threshold (LST) methodology[26] to assess the potential air quality impacts that would result in the near vicinity of the Project.

Receptors sensitive to air pollution include, but are not limited to, residences, schools, hospitals, and convalescent facilities. The nearest sensitive receptors in the vicinity of the Project Site include the JWMS campus, residential uses to the south and east, and the Dennis Keat Soccer Park use to the east.

For evaluation purposes, the SCAQMD territory is divided into 38 source receptor areas (SRAs). These SRAs are designated to provide a general representation of the local meteorological, terrain, and air quality conditions within the particular geographical area. The Project Site is within SRA 30, Coachella Valley.[27] The LST methodology considers emissions generated from on-site sources and excludes emissions

26 South Coast Air Quality Management District, Final Localized Threshold Methodology, July 2008. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2

27 SCAQMD, General Forecast Areas and Air Monitoring Areas, map, http://www.aqmd.gov/docs/default-source/default-document-library/map-of-monitoring-areas.pdf, accessed August 2021.

from off-site vehicular traffic. The SCAQMD provides mass rate lookup tables as a screening tool to determine the likelihood of localized impacts from Project construction and operation. Ambient conditions for the Coachella Valley, as recorded in SRA 30 by the SCAQMD, were used for ambient conditions in determining appropriate threshold levels. Thresholds for each criteria pollutant for construction activity and Project operation were assumed for a disturbance area of 5 acres. The LST mass rate look-up tables are applicable to NOx, CO, PM10, and PM2.5 emissions.

Construction

The results of the construction LST analysis are provided in **Table 5.3-3: Localized Construction Emissions**. It is important to note, construction would be required to comply with the SCAQMD's Rule 403 (Fugitive Dust), which requires watering of the Project site during dust-generating construction activities, stabilizing disturbed areas with water or chemical stabilizers, and preventing track-out dust from construction vehicles, thus further reducing construction-related emissions. As shown in **Table 5.3-3**, emissions would not exceed the localized significance thresholds for construction. As emissions would be below SCAQMD localized thresholds, impacts to the sensitive receptors identified above from localized emissions during construction would be less than significant.

TABLE 5.3-3
LOCALIZED CONSTRUCTION EMISSIONS

Source	NOx	CO	PM10	PM2.5
	On-Site Emissions (pounds/day)			
Total maximum emissions	17	21	1	1
LST threshold	304	2,292	14	8
Threshold Exceeded?	**No**	**No**	**No**	**No**

Notes:
Totals in table may not appear to add exactly due to rounding in the computer model calculations.
CO = carbon monoxide; NOx = nitrogen oxide; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns.
*Refer to **Appendix A: Air Quality CalEEMod Output Sheets**.*

Operation

Local emissions from Project operation would include area and energy sources. Area-source emissions are based on natural gas (building heating and water heaters), landscaping equipment, and consumer product (including paint) usage rates provided in CalEEMod. Natural gas usage factors in CalEEMod are based on the CEC's California Commercial End Use Survey data set, which provides energy demand by building type and climate zone. The results of the operational LST analysis are provided in **Table 5.3-4: Localized Operational Emissions**. As shown in **Table 5.3-4**, emissions would not exceed the localized significance thresholds for operation. Therefore, localized operational impacts to the sensitive receptors located around the Project site would be less than significant.

TABLE 5.3-4
LOCALIZED OPERATIONAL EMISSIONS

Source	NOx	CO	PM10	PM2.5
	On-Site Emissions (pounds/day)			
Project area/energy emissions	<1	<1	<1	<1
Existing area/energy emissions	*<1*	*<1*	*<1*	*<1*
Net Total	**0**	**0**	**0**	**0**
LST threshold	304	2,292	3	2
Threshold Exceeded?	**No**	**No**	**No**	**No**

Notes:
Totals in table may not appear to add exactly due to rounding in the computer model calculations.
CO = carbon monoxide; NOx = nitrogen oxide; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns.
*Refer to **Appendix A: Air Quality CalEEMod Output Sheets**.*

Mitigation Measures: No mitigation measures required.

d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less than Significant Impact. During construction activities associated with the operation of construction equipment, the application of architectural coatings and other interior and exterior finishes may produce discernible odors typical of most construction sites. Although these odors could be a source of nuisance to adjacent residences, they are temporary and intermittent in nature. As construction-related emissions dissipate, the odors associated with these emissions would also decrease, dilute, and become unnoticeable. As such, construction impacts would be less than significant.

According to the SCAQMD, "while almost any source may emit objectionable odors, some land uses would be more likely to produce odors…because of their operation."[28] Land uses that are more likely to produce objectionable odors include agriculture, chemical plants, composting operations, dairies, fiberglass molding, landfills, refineries, rendering plants, rail yards, and wastewater treatment plants. Operation of the Project includes a school campus and would not contain any active manufacturing activities. Therefore, operational impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

28 South Coast Air Quality Management District, Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning, May 2005, 2-2.

5.4 BIOLOGICAL RESOURCES

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
BIOLOGICAL RESOURCES—Would the project:					
a.	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife	☐	☒	☐	☐
b.	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c.	Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d.	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e.	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f.	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?	☐	☐	☒	☐

Discussion

a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less Than Significant with Mitigation Incorporated. Special status species include those listed as endangered or threatened under the federal Endangered Species Act (ESA) or California Endangered

Species Act (CESA), species otherwise given certain designations by the California Department of Fish and Wildlife (CDFW), and plant species listed as rare by the California Native Plant Society (CNPS).

According to the Cathedral City General Plan EIR, Exhibit 2.5-2, CVMSHCP Biological Resources Map North, the Project site is developed and not mapped with the species listed in **Tables 5.4-1: Plant Species** and **5.4-2: Bird Species**. However, the Project site is adjacent to undeveloped land on the west and north, and it is possible that some animal species migrate to the Project site. The Project is in Cathedral City, which is within the Coachella Valley and Sonoran Desert. Characteristics of this area include high temperatures, dry climate, and extreme topographic variations such as low desert floor and mountain ranges which contribute to the diverse ecological environment and natural communities found here.[29]

The California Natural Diversity Database (CNDDB) contains and aggregate of the most recent updated listed plant and animal species in California. CNDDB records searches were conducted for the following nine quadrangles: Desert Hot Springs, Seven Palms Valley, East Deception Canyon, Palm Springs, Cathedral City, Myoma, Palm View Peak, Rancho Mirage, and La Quinta (see **Appendix B: Biological Resources Data** for the full list of search results). The search identified 18 species listed as either federally or State threatened or endangered as well as additional species listed as special status. The Project site is within the Cathedral City Quadrangle, where four animal species and one plant species were recorded as either federally or State listed Threatened or Endangered and 17 species were recorded as special status species within the Cathedral City Quadrangle.[30] However, there is the potential for other species listed within the nine quadrangles to occur on the Project site. The species identified in **Table 5.4-1 t**hrough **Table 5.4-3** were identified within the nine-quadrangle search as being listed either federally or State threatened or endangered, or as a special status species.

JWC Ecological Consultants conducted a reconnaissance-level biological resource survey on the Project site to determine the likelihood that significant biological resources were present **Appendix B**). Available literature was also reviewed in addition to the field survey to determine any sensitive species listed in the region. JWC Ecological Consultants determined that the Project site is completely developed with buildings, playgrounds and regularly maintained lawns and landscaping.[31] As such, there is no identified natural or native plant communities existing within the Project site boundaries and no special status animal species were observed or expected. Additionally, as all parts the site are fully developed and visited five days each week by students and staff, the Project site experiences regular and repeated human disturbance making it unsuitable habitat for the fully protected burrowing owl.

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29 City of Cathedral City, General Plan (2040 Update), "Open Space and Conservation Element." https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000. Accessed July 2021.

30 California Department of Fish and Wildlife, California Natural Diversity Database (CNDDB) BiosViewer. https://apps.wildlife.ca.gov/bios/. Accessed July 2021. (Appendix B)

31 James W. Cornett (JWC) Ecological Consultants, James Workman Middle School Biological Findings Letter, September, 5 2021. (Appendix B).

The Project site exists with open space to the north and west which could potentially include habitat for listed plant species. The Project would be developed within the existing school campus which includes maintained landscaping, concrete areas, surface parking, and an eastern adjacent soccer field which is regularly landscaped and manicured. Additionally, the majority of construction would be on the northeastern side of the campus which is adjacent to a developed surface parking lot and the Dennis Keat Soccer Park which is maintained through landscaping and does not include any designated habitat. It is unlikely for these plant species to occur on-site and the majority of construction would be conducted away from the open space areas north and west of the Project site. Therefore, impacts to plant species would be less than significant.

TABLE 5.4-1
PLANT SPECIES

		Status		
Plant Species	Common Name	Federal	State	Special Status
*Abronia villosavar. aurita	chaparral sand-verbena			1B.1
Acmispon haydonii	pygmy lotus			1B.3
Allium atrorubens var. cristatum	Inyo onion			4.3
Almutaster pauciflorus	alkali marshaster			2B.2
Aloysia wrightii	Wright's beebrush			4.3
Ambrosia monogyra	Single whorl burrobrush			2B.2
Astragalus bernardinus	San Bernardino milk-vetch			1B.2
*Astragalus horniivar. hornii	Horn's milk-vetch			1B.1
*Astragalus lentiginosus var. borreganus	Borrego milk-vetch			4.3
*Astragaluslentiginosus var. coachellae	Coachella Valley millk-vetch	Endangered		1B.2
Astragalus preussii var.laxiflorus	Lancaster milk-vetch			1B.1
Astragalus tricarinatus	triple-ribbedmilk vetch	Endangered		1B.2
Atriplex parishii	Parish's brittlescale			1B.1
Ayenia compacta	California ayenia			2B.3
Boechera johnstonii	Johnston's rockcress			1B.2
Calochortus palmeri var.munzii	San Jacinto mariposa-lily			1B.2
Caulanthussi mulans	Payson's jewel flower			4.2
Chaenacti sparishii	Parish's chaenactis			1B.3
Chorizanthe leptotheca	Peninsularspineflower			4.2

Chorizanthe polygonoides var. longispina	long-spined spineflower			1B.2
Chorizanthe xantivar. leucotheca	white-bracted spineflower			1B.2
*Cuscuta californica var. apiculata	pointed dodder			3
Deinandra mohavensis	Mojave tarplant		Endangered	1B.3
Ditaxis claryana	glandular ditaxis			2B.2
Ditaxis serratavar. californica	California ditaxis			3.2
Dodecahe maleptoceras	slender-horned spineflower	Endangered	Endangered	1B.1
Eremothera boothii ssp. boothii	Booth's evening-primrose			2B.3
Eriastrumhar woodii	Harwood's eriastrum			1B.2
Erigeron parishii	Parish's daisy	Threatened		1B.1
Erythranthe diffusa	Palomar monkeyflower			4.3
Eschscholzia androuxii	Joshua Tree poppy			4.3
Euphorbia abramsiana	Abrams' spurge			2B.2
*Euphorbia arizonica	Arizona spurge			2B.3
Euphorbia misera	cliff spurge			2B.2
*Euphorbia platysperma	flat-seeded spurge			1B.2
Galium johnstonii	Johnston's bedstraw			4.3
Galiumangustifolium ssp. gracillimum	Slender bedstraw			4.2
Heuchera hirsutissima	shaggy-haired alumroot			1B.3
Horsfordia alata	pink velvet-mallow			4.3
Horsfordia newberryi	Newberry's velvet-mallow			4.3
Hulsea vestita ssp. callicarpha	beautiful hulsea			4.2
Imperata brevifolia	California satintail			2B.1
*Johnstonella costata	Ribbed cryptantha			4.3
*Johnstonella holoptera	Winged cryptantha			4.3
Juncus acutus ssp. leopoldii	Southwestern spiny rush			4.2
Juncus cooperi	Cooper's rush			4.3
Lilium parryi	lemon lily			1B.2
Linanthus jaegeri	San Jacinto linanthus			1B.2
Linanthus maculatus ssp.maculatus	Little San Bernardino Mtns. linanthus			1B.2
*Lycium torreyi	Torrey's box-thorn			4.2

Marina orcuttii var. orcuttii	California marina	1B.3
Matelea parvifolia	spear-leaf matelea	2B.3
Mentzelia tricuspis	spiny-hair blazing star	2B.1
*Nemacaulis denudata var.gracilis	Slender cottonheads	2B.2
Nemacladus gracilis	Graceful nemacladus	4.3
Penstemon californicus	California beardtongue	1B.2
Penstemon clevelandii var. connatus	San Jacinto beardtongue	4.3
Pentachaeta aurea ssp. aurea	golden-rayed pentachaeta	4.2
Petalonyx linearis	narrow-leaf sand paper-plant	2B.3
Pseudorontium cyathiferum	Deep Canyon snapdragon	2B.3
Saltugilia latimeri	Latimer's woodland-gilia	1B.2
*Selaginella eremophila	desert spike-moss	2B.2
Senna covesii	Cove's cassia	2B.2
Sidotheca caryophylloides	Chickweed oxytheca	4.3
Sidotheca emarginata	white-margined oxytheca	1B.3
*Stemodia durantifolia	purple stemodia	2B.1
Streptanthus campestris	Southern jewel flower	1B.3
Syntrichopappus lemmonii	Lemmon's syntrichopappus	4.3
Thelypteris puberula var. sonorensis	Sonoranmaiden fern	2B.2
Thysanocarpus rigidus	rigid fringepod	1B.2
Xylorhiza cognata	Mecca-aster	1B.2

Source: California Department of Fish and Wildlife, California Natural Diversity Database (CNDDB) BiosViewer. https://apps.wildlife.ca.gov/bios/. Accessed August 2021. (***Appendix* B**)

Note: *Identified *within the Coachella Valley quadrangle*

Key for CNPS Rare Plant Ranks:

1B.1 = Rare, threatened, or endangered in California and e*lsewhere; seriously threatened in California*

1B.2 = Rare, threatened, or endangered in California and elsewhere; moderately threatened in Cal*ifornia*

1B.3 = Rare, threatened, or endangered in California and elsewhere; not very threatened in California

2A = *Presumed extinct in California, but extant elsewhere*

2B.1 = Rare, threatened, or endangered in Calif., but more common elsewhere; seriously *threatened in Calif.*

2B.2 = Rare, threatened, or endangered in Calif., but more common elsewhere; moderately th*reatened in Calif.*

2B.3 = Rare, threatened, or endangered in Calif., but more common elsewhere; not very threatened in Calif.

3 = Plants abo*ut which we need more information (Review List)*

3.1 = Plants about which we need more information (Review List); *seriously threatened in California*

3.2 = Plants about which we need more information (Review List); moderately threatened in California

3.3 = Plants about which we need more information (Review List); not very threatened in California

4.1 = Plants of li*mited distribution (watch list); seriously threatened in California*

4.2 = Plants of limited distribution (watch list); moderately threate*ned in California*

4.3 = Plants of limited distribution (watch list); not very threatened in California

TABLE 5.4-2
BIRD SPECIES

Plant Species	Common Name	Status		
		Federal	State	Special Status
Accipiter cooperii	Cooper's hawk			WL
Accipiter striatus	sharp-shinned hawk			WL
Aimophila ruficeps canescens	Southern California rufous-crowned sparrow			WL
Aquila chrysaetos	golden eagle			FP ,WL
Artemisiospiza belli	Bell's sage sparrow			WL
Asio otus	long-eared owl			SSC
Athene cunicularia	Burrowing owl			SSC
Aythya americana	redhead			SSC
Buteo swainsoni	Swainson's hawk		Threatened	
Chaetura vauxi	Vaux's swift			SSC
Circus hudsonius	northern harrier			SSC
Contopus cooperi	olive-sided flycatcher			SSC
Cypseloides niger	black swift			SSC
Empidonax traillii brewsteri	Little Willow Flycatcher		Endangered	
Empidonax traillii extimus	Southwestern willow flycatcher	Endangered	Endangered	
Eremophila alpestris actia	California horned lark			WL
*Falco mexicanus	prairie falcon			WL
Falco peregrinus anatum	American peregrine falcon			FP
Gavia immer	common loon			SSC
Icteria virens	yellow-breasted chat			SSC
*Lanius ludovicianus	Loggerhead shrike			SSC
Larus californicus	California gull			WL
Leiothlypis luciae	Lucy's warbler			SSC
Pandion haliaetus	osprey			WL

Passerculus sandwichensis alaudinus	Bryant's savannah sparrow			SSC
Passerculus sandwichensis rostratus	large-billed savannah sparrow			SSC
Phalacrocor axauritus	double-crested cormorant			WL
Piranga rubra	summer tanager			SSC
*Polioptila californica	coastal California gnatcatcher	Threatened		
Polioptila melanura	black-tailed gnatcatcher			WL
Progne subis	purple martin			SSC
Pyrocephalus rubinus	Vermilion flycatcher			SSC
Setophaga petechia	yellow warbler			SSC
Toxostoma crissale	Crissal thrasher			SSC
*Toxostoma lecontei	Le Conte's thrasher			SSC
Vireo bellii pusillus	Least Bell's vireo	Endangered	Endangered	
Xanthocephalus	yellow-headed blackbird			SSC

*Source: California Department of Fish and Wildlife, California Natural Diversity Database (CNDDB) BiosViewer. https://apps.wildlife.ca.gov/bios/. Accessed August 2021. (**Appendix B**)*

Note: *Identified within the Coac*hella Valley quadrangle*

Federal and State status:

SSC = CDFW Species of Special Concern

FP = CDFW Fully Protected

WL = *CDFW Watch List*

The Cornell Lab of Ornithology provided reference for the following analysis of each bird species.[32]

The Project site exists with open space to the north and west which could potentially include habitat for potential for listed wildlife species to occur. The Project would be developed within the existing school campus which includes maintained landscaping, concrete areas, surface parking, and an eastern adjacent soccer field which is regularly landscaped and manicured. Additionally, the majority of construction would be on the northeastern side of the campus which is adjacent to a developed surface parking lot and the Dennis Keat Soccer Park which is maintained through landscaping and does not include any designated habitat. It is unlikely for wildlife species to occur on-site.

The potential following impacts to wildlife species are discussed below.

Coastal California gnatcatcher - The coastal California gnatcatcher (*Polioptila californica*) is a federally listed threatened species. The Project site is developed and it is unlikely to see this species within the

32 The Cornell Lab of Ornithology, https://www.allaboutbirds.org/news/. Accessed August 2021.

Project area since the coastal California gnatcatcher prefer coastal sage scrub habitat which does not exist on or near the school site. No coastal California gnatcatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential coastal California gnatcatcher habitat; there would be no impacts to coastal California gnatcatcher habitat with implementation of the Project.

Swainson's hawk - The Swainson's hawk (*Buteo swainsoni*) is a State listed threatened species. The Project site is developed and it is unlikely to see this species within the Project area. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Swainson's hawk to occur on-site. No Swainson's hawk have been observed on the school site. However, Swainson's hawk can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meet the criteria for potential Swainson's hawk habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for Swainson's hawk; as such, there would be no impacts to the Swainson's hawk habitat with implementation of the Project.

Little Willow Flycatcher - The Little Willow Flycatcher (*Empidonax traillii brewsteri*) is a State listed Endangered species. The Project site is developed and it is unlikely to see this species within the Project area since the Little Willow Flycatcher prefer riparian habitat which does not exist on or near the school site. No Little Willow Flycatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Little Willow Flycatcher habitat; there would be no impacts to the Little Willow Flycatcher habitat with implementation of the Project.

Southwestern willow flycatcher - The Southwestern willow flycatcher (*Empidonax traillii extimus*) is a federally and State listed endangered species. The Project site is developed and it is unlikely to see this species within the Project area since the Southwestern willow flycatcher prefer riparian habitat which does not exist on or near the school site. No Southwestern willow flycatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Little Willow Flycatcher habitat; there would be no impacts to the Southwestern willow flycatcher habitat with implementation of the Project.

Least Bell's vireo - The Least Bell's vireo (*Vireo bellii pusillus*) is a federally and State listed endangered species. The Project site is developed and it is unlikely to see this species within the Project area since the Least Bell's vireo prefer riparian habitat which does not exist on or near the school site. No Least Bell's vireo have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Least Bell's vireo habitat; there would be no impacts to the Least Bell's vireo habitat with implementation of the Project.

Burrowing Owl –The Project site, surrounding open space to the west and north, and adjacent parkland have potential habitat for burrowing owls. The burrowing owl (*Athene cunicularia*) is a species of special concern. The school site contains open, exposed lawn areas that are not used every day of the week by

students or school staff. Although no natural and native plant communities exist within the school site boundaries the potential still exists for burrowing owls to occur on-site. No burrowing owls have been observed on the school site.

Burrowing owls can take up residence on open, exposed landscapes, whether natural or artificial, at any time. A reconnaissance-level biological resource survey was conducted by JWC Ecological Consultants and found that the Project site was completely developed and no natural or native plant communities exist within the school boundaries (see **Appendix B**).[33] The survey cited that the Project site is visited by students and staff 5 days each week and therefore, this repeated human disturbance would make the Project site unsuitable habitat for the burrowing owl. The expansive lawn and landscape area of the school site do not meet the criteria for potential burrowing owl habitat; there would be no impacts to burrowing owls with implementation of the Project.

Cooper's hawk - The Cooper's hawk (*Accipiter cooperii*) is listed as a watch list species. The Project site is developed and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Cooper's hawk to occur on-site. No Cooper's hawk have been observed on the school site. However, Cooper's hawk can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meet the criteria for potential Cooper's hawk habitat. Demolition, construction, and other exterior modifications on the school site do not have the potential to disturb habitat for Cooper's hawk; there would be no impacts to the Cooper's hawk habitat with implementation of the Project.

Sharp-shinned hawk - The sharp-shinned hawk (*Accipiter striatus*) is listed as a watch list species. The Project site is developed and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for sharp-shinned hawk to occur on-site. No sharp-shinned hawk have been observed on the school site. However, sharp-shinned hawk can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meet the criteria for potential sharp-shinned hawk habitat. Demolition, construction, and other exterior modifications on the school site do not have the potential to disturb habitat for sharp-shinned hawk; there would be no impacts to the sharp-shinned hawk habitat with implementation of the Project.

Southern California rufous-crowned sparrow - The Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*) is a watch list species. The Project site is developed and it is unlikely to see this species within the Project area since the Southern California rufous-crowned sparrow prefers

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33 James W. Cornett (JWC) Ecological Consultants, James Workman Middle School Biological Findings Letter, September, 5 2021. (**Appendix B**).

coastal-bluff or coastal sage scrub habitat which does not exist on or near the school site. No Southern California rufous-crowned sparrow have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Southern California rufous-crowned sparrow habitat; there would be no impacts to the Southern California rufous-crowned sparrow habitat.

Golden eagle - The golden eagle (*Aquila chrysaetos*) is a fully protected species. The Project site is developed and it is unlikely to see this species within the Project area. Although no natural and native plant communities exist within the school site boundaries the potential still exists for golden eagle to occur on-site. No golden eagle have been observed on the school site. However, golden eagle can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meet the criteria for potential golden eagle habitat. Demolition, construction, and other exterior modifications on the school site have the do not have the potential to disturb habitat for golden eagle; as such; there would be no impacts to the golden eagle habitat with implementation of the Project.

Bell's sage sparrow - The Bell's sage sparrow (*Artemisiospiza belli belli*) is a watch list species. The Project site is developed, and it is unlikely to see this species within the Project area since the Bell's sage sparrow prefer coastal sagebrush, chaparral, and other open, scrubby habitats. No Bell's sage sparrow have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Bell's sage sparrow habitat; there would be no impacts to the Bell's sage sparrow habitat with implementation of the Project.

Long-eared owl - The long-eared owl (*Asio otus*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for long-eared owl to occur on-site. No long-eared owl have been observed on the school site. However, long-eared owl can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meets the criteria for potential long-eared owl habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for long-eared owl; as such, there would be no impacts to the long-eared owl habitat with implementation of the Project.

Redhead - The Redhead (*Aythya americana*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the Redhead prefers wetland habitat. No Redhead have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Redhead habitat; there would be no impacts to the Redhead habitat with implementation of the Project.

Vaux's swift - The Vaux's swift (*Chaetura vauxi*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the Vaux's swift prefer old growth, coniferous forests to nest. No Vaux's swift has been observed on the school site. The landscape

area of the school site does not meet the criteria for potential Vaux's swift habitat; there would be no impacts to the Vaux's swift habitat with implementation of the Project.

Northern harrier - The northern harrier (*Circus hudsonius*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for northern harrier to occur on-site. No northern harrier has been observed on the school site. However, northern harrier can take up residence in high-desert shrub steppe habitat or place with low vegetation during the winter. The landscape area surrounding the school site meets the criteria for potential northern harrier habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for northern harrier; there would be no impacts to the northern harrier habitat with implementation of the Project.

Olive-sided flycatcher - The olive-sided flycatcher (*Contopus cooperi*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the olive-sided flycatcher prefer habitat near pine forests or water sources. No olive-sided flycatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential olive-sided flycatcher habitat; there would be no impacts to the olive-sided flycatcher habitat with implementation of the Project.

Black swift - The black swift (*Cypseloides niger*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the black swift prefer to nest on cliff ledges behind or near waterfalls. No black swift have been observed on the school site. The landscape area of the school site does not meet the criteria for potential black swift habitat; there would be no impacts to the black swift habitat with implementation of the Project.

California horned lark - The California horned lark (*Eremophila alpestris actia*) is a watch list species. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for California horned lark to occur on-site. No California horned lark have been observed on the school site. However, California horned lark can take up residence in areas of sparse vegetation and areas cleared by humans, such as plowed fields and mowed expanses, at any time. The landscape area of the school site meet the criteria for potential California horned lark habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for California horned lark; as such, there would be no impacts to California horned lark habitat with implementation of the Project.

Prairie falcon - The prairie falcon (*Falco mexicanus*) is a watch list species. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to

migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for prairie falcon to occur on-site. No prairie falcon have been observed on the school site. However, prairie falcon can take up residence in grasslands, shrub steppe desert, and areas of mixed shrubs, at any time. The landscape area of the school site meet the criteria for potential prairie falcon habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for prairie falcon; as such, there would be no impacts to prairie falcon habitat with implementation of the Project.

American peregrine falcon - The American peregrine falcon (*Falco peregrinus anatum*) is a fully protected species. The Project site is developed, and it is unlikely to see this species within the Project area since the American peregrine falcon prefer higher elevations such as cliffs for nesting and are most likely to occur near the coast or other water sources. No American peregrine falcon have been observed on the school site. The landscape area of the school site does not meet the criteria for potential American peregrine falcon habitat; there would be no impacts to the American peregrine falcon habitat with implementation of the Project.

Common loon- The common loon (*Gavia immer*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the common loon prefers habitat near lakes and estuaries. No common loon have been observed on the school site. The landscape area of the school site does not meet the criteria for potential common loon habitat; there would be no impacts to the common loon habitat with implementation of the Project.

Yellow-breasted chat - The yellow-breasted chat (*Icteria virens*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the yellow-breasted chat prefers shrubby habitats along rivers. No yellow-breasted chat have been observed on the school site. The landscape area of the school site does not meet the criteria for potential yellow-breasted chat habitat; there would be no impacts to the yellow-breasted chat habitat with implementation of the Project.

Loggerhead shrike - The Loggerhead shrike (*Lanius ludovicianus*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Loggerhead shrike to occur on-site. No Loggerhead shrike have been observed on the school site. However, Loggerhead shrike can take up residence in desert scrublands, savannas, prairies, golf courses, and cemeteries, at any time. The landscape area of the school site meet the criteria for potential Loggerhead shrike habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for Loggerhead shrike; as such, there would be no impacts to Loggerhead shrike habitat with implementation of the Project.

California gull - The California gull (*Larus californicus*) is a watch list species. The Project site is developed, and it is unlikely to see this species within the Project area since the California gull prefer habitat near water sources such as coastal areas and near lakes or rivers. No California gull have been observed on the school site. The landscape area of the school site does not meet the criteria for potential California gull habitat; there would be no impacts to California gull habitat with implementation of the Project.

Lucy's warbler - The Lucy's warbler (*Leiothlypis luciae*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the Lucy's warbler prefer mesquite woodlands or scrubby areas near water sources. No Lucy's warbler have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Lucy's warbler habitat; there would be no impacts to Lucy's warbler habitat with implementation of the Project.

Osprey - The Osprey (*Pandion haliaetus*) is a watch list species. The Project site is developed, and it is unlikely to see this species within the Project area since Osprey prefer shallow, fish-filled water, including rivers, lakes, reservoirs, lagoons, swamps, and marshes. No Osprey have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Osprey habitat; there would be no impacts to Osprey habitat with implementation of the Project.

Bryant's savannah sparrow - The Bryant's savannah sparrow (*Passerculus sandwichensis alaudinus*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since Bryant's savannah sparrow prefer grasslands with few trees, including meadows, pastures, grassy roadsides, sedge wetlands, and cultivated fields. No Bryant's savannah sparrow have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Bryant's savannah sparrow habitat; there would be no impacts to Bryant's savannah sparrow habitat with implementation of the Project.

Large-billed savannah sparrow - The large-billed savannah sparrow (*Passerculus sandwichensis rostratus*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the large-billed savannah sparrow prefer grasslands with few trees, including meadows, pastures, grassy roadsides, western salt marshes, and cultivated fields. No large-billed savannah sparrow have been observed on the school site. The landscape area of the school site meet the criteria for potential large-billed savannah sparrow habitat; there would no impacts to large-billed savannah sparrow habitat with implementation of the Project.

Double-crested cormorant - The double-crested cormorant (*Phalacrocor axauritus*) is a double-crested cormorant species. The Project site is developed, and it is unlikely to see this species within the Project area since the double-crested cormorant prefer large bodies of water such as lakes and estuaries. No double-crested cormorant have been observed on the school site. The landscape area of the school site does not meet the criteria for potential double-crested cormorant habitat; there would be no impacts to double-crested cormorant habitat with implementation of the Project.

Summer tanager - The summer tanager (*Piranga rubra*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the summer tanager prefer low-elevation willow and cottonwood woodlands, and in higher-elevation mesquite and salt cedar stands. No summer tanager have been observed on the school site. The landscape area of the school site does not meet the criteria for potential summer tanager habitat; there would be no impacts to summer tanager habitat with implementation of the Project.

Black-tailed gnatcatcher - The black-tailed gnatcatcher (*Polioptila melanura*) is a watch list species. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for black-tailed gnatcatcher to occur on-site. No black-tailed gnatcatcher have been observed on the school site. However, black-tailed gnatcatcher can take up residence in semiarid areas with desert thorn scrub, at any time. The landscape surrounding the area of the school site meet the criteria for potential black-tailed gnatcatcher habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for black-tailed gnatcatcher; as such, there would be no impacts to black-tailed gnatcatcher habitat with implementation of the Project.

Purple martin - The purple martin (*Progne subis*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the purple martin prefer nesting within urban cities and do not reside within desert habitat. No purple martin have been observed on the school site. The landscape area of the school site does not meet the criteria for potential purple martin habitat. Furthermore, there would be no impacts to purple martin habitat with implementation of the Project.

Vermilion flycatcher - The Vermilion flycatcher (*Pyrocephalus rubinus*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the Vermilion flycatcher prefer stream corridors within the scrub ecosystem. No Vermilion flycatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Vermilion flycatcher habitat. Furthermore, there would be no impacts to Vermilion flycatcher habitat with implementation of the Project.

Yellow warbler - The yellow warbler (*Setophaga petechia*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the yellow warbler prefers mangrove forests, dry scrub, marshes, and forests. No yellow warbler have been observed on the school site. The landscape area of the school site does not meet the criteria for potential yellow warbler habitat; there would be no impacts to yellow warbler habitat with implementation of the Project.

Crissal thrasher - The Crissal thrasher (*Toxostoma crissale*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have

the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Crissal thrasher to occur on-site. No Crissal thrasher have been observed on the school site. However, Crissal thrasher can take up residence in dense, low scrubby vegetation, such as desert and foothill scrub, at any time. The surrounding area of the school site meets the criteria for potential Crissal thrasher habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for Crissal thrasher. As such, there would be no impacts to Crissal thrasher habitat with implementation of the Project.

Le Conte's thrasher - The Le Conte's thrasher (*Toxostoma lecontei*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Le Conte's thrasher to occur on-site. No Le Conte's thrasher have been observed on the school site. However, Le Conte's thrasher can take up residence in low, sandy, open deserts, at any time. The surrounding area of the school site meet the criteria for potential Le Conte's thrasher habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for Le Conte's thrasher; as such, there would be no impacts to Le Conte's thrasher habitat with implementation of the Project.

Yellow-headed blackbird - The yellow-headed blackbird (*Xanthocephalus xanthocephalus*) is a species of special concern. The Project site is developed, and it is unlikely to see this species within the Project area since the yellow-headed blackbird prefers wetland habitat and crop fields for foraging. No yellow-headed blackbird have been observed on the school site. The landscape area of the school site does not meet the criteria for potential yellow-headed blackbird habitat; there would be no impacts to the yellow-headed blackbird habitat with implementation of the Project site.

TABLE 5.4-3
OTHER WILDLIFE SPECIES

			Status		
Species	Common Name	Type	Federal	State	Special Status
Antrozous pallidus	pallid bat	Mammal			SSC
Arizona elegans occidentalis	California glossy snake	Reptile			SSC
Aspidoscelis tigris stejnegeri	coastal whiptail	Reptile			SSC
Bombus crotchii	Crotch bumblebee	Insect	Candidate Endangered		
Chaetodipus fallax	Northwestern San Diego pocket mouse	Mammal			SSC

Chaetodipus fallax pallidus	pallid San Diego pocket mouse	Mammal			SSC
Coleonyx variegatus abbotti	San Diego banded gecko	Reptile			SSC
Corynorhinus townsendii	Townsend's big-eared bat	Mammal			SSC
*Crotalus ruber	Red-diamond rattlesnake	Reptile			SSC
Cyprinodon macularius	desert pupfish	Fish	Endangered	Endangered	
Dinacoma caseyi	Casey's June beetle	Insect	Endangered		
Euphydryaseditha quino	Quino checker-spot butterfly	Insect	Endangered		
Gopherus agassizii	Desert tortoise	Reptile	Threatened	Threatened	
*Lasiurus xanthinus	Western yellow bat	Mammal			SSC
Lepus californicus bennettii	San Diego black-tailed jackrabbit	Mammal			SSC
Neotoma lepida intermedia	San Diego desert woodrat	Mammal			SSC
Nyctinomops femorosaccus	pocketed free-tailed bat	Mammal			SSC
Nyctinomops macrotis	big free-tailed bat	Mammal			SSC
Ovis canadensis nelsoni	desert big horn sheep	Mammal			FP
*Ovis canadensis nelsoninelsoni pop. 2	Peninsular bighorn sheep	Mammal	Endangered	Threatened	FP
*Perognathus longimembris bangsi	Palm Springs pocket mouse	Mammal			SSC
Perognathus longimembris brevinasus	Los Angeles pocket mouse	Mammal			SSC
Phrynosoma blainvillii	coast horned lizard	Reptile			SSC
*Phrynosoma mcallii	Flat-tailed horned lizard	Reptile			SSC
Rana draytonii	California red-legged frog	Amphibian	Threatened		SSC
Rana muscosa	Southern mountain yellow-legged frog	Amphibian	Endangered	Endangered	WL
Thamnophis hammondii	two-striped gartersnake	Reptile			SSC
*Uma inornate	Coachella Valley fringe-toed lizard	Reptile	Threatened	Endangered	
*Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	Mammal			SSC

*Source: California Department of Fish and Wildlife, California Natural Diversity Database (CNDDB) BiosViewer. https://apps.wildlife.ca.gov/bios/. Accessed August 2021. (**Appendix B**)*

Note: *Identified within the Coachella Valley quadrangle

Federal and State status:

SSC = CDFW Species of Special Concern

FP = CDFW Fully Protected

WL = CDFW Watch List

The below animal species are not likely to occur within the Project site considering the site is disturbed with school facility improvements and continued school operations. Furthermore, the construction areas would be in the southern half of the site, away from the adjacent open space and potential habitat.

Therefore, impacts to the species listed below are less than significant.

- Northwestern San Diego pocket mouse
- pallid San Diego pocket mouse
- San Diego banded gecko
- Red-diamond rattlesnake
- Casey's June beetle
- Quino checker-spot butterfly
- Desert tortoise
- San Diego black-tailed jackrabbit
- San Diego desert woodrat
- desert big horn sheep
- Peninsular bighorn sheep
- Palm Springs pocket mouse
- Desert pupfish
- Los Angeles pocket mouse
- coast horned lizard
- Flat-tailed horned lizard
- California red-legged frog
- Southern mountain yellow-legged frog
- two-striped garter snake
- Coachella Valley fringe-toed lizard
- Palm Springs round-tailed ground squirrel
- California glossy snake
- Coastal whiptail
- Crotch bumblebee

Pallid bat – The pallid bat (*Antrozous pallidus*) prefers open, dry habitats with rocky areas such as low desert and oak woodland.[34] Pallid bats are primarily a crevice roosting species, and select daytime roosting sites where they can retreat from view. Common roost sites are rock crevices, old buildings, bridges, caves, mines, and hollow trees. Preferred roosts are high above the ground and inaccessible to terrestrial predators, although they are occasionally found roosting on the ground underneath sacks and other items left by humans. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for pallid bat; as such, there would be no impacts to pallid bat habitat with implementation of the Project.

Townsend's big-eared bat - The Townsend's big-eared bat (*Corynorhinus townsendii*) prefers roosting in open areas such as caves or abandoned homes and do not roost in small crevices.[35] Requires caves, mines, tunnels, buildings, or other human-made structures for roosting. May use separate sites for night, day, hibernation, or maternity roosts. They are most abundant in mesic habitats but can be found anywhere except in alpine habitats. Demolition, construction, and other exterior modifications on the

34 California Department of Fish and Wildlife, Terrestrial Mammal Species of Special Concern in California, Bolster, B.C., Ed., 1998.

35 California Department of Fish and Wildlife, California Wildlife Habitat Relationships System, Townsend's big-eared bat, J. Harris, Updated by CWHR Program Staff, May, 2000.

school site does not have the potential to disturb habitat for Townsend's big-eared bat; as such, there would be no impacts to Townsend's big-eared bat habitat with implementation of the Project.

Western yellow bat – Western yellow bat (*Lasiurus xanthinus*) are associated with dry, thorny vegetation on the Mexican Plateau, and are found in desert regions of the southwestern United States, where they show a particular association with palms.[36] In California, this foliage-roosting species appears to roost exclusively in the skirts of palm trees, and to be limited in its distribution by the availability of palm habitat. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for Western yellow bat; as such, there would be no impacts to Townsend's Western yellow bat habitat with implementation of the Project.

Pocketed free-tailed bat – The pocketed free-tailed bat (*Nyctinomops femorosaccus*) has been located only in the Lower and Upper Sonoran life zones and is associated primarily with creosote bush and chaparral habitats.[37] It is found primarily in association with prominent rock features -- very large boulder jumbles or rocky canyons for roosting habitat. As such, it is unlikely that this species would occur on the Project site; there would be no impacts to the pocketed free-tailed habitat with implementation of the Project site.

Big free-tailed bat – The big free-tailed bat (*Nyctinomops macrotis*) is known to roost in buildings, caves, and occasionally in holes in trees.[38] This species has been recorded in urban areas during summer and spring time, however, they prefer rugged rocky terrain. Demolition, construction, and other exterior modifications on the school site does not have the potential to disturb habitat for big free-tailed; as such, there would be no impacts to big free-tailed habitat with implementation of the Project.

Although the potential for wildlife to occur on site is low, the potential does exit for birds to nest in trees on site. As such, demolition and construction activities occur out of doors could impact nesting birds; such impacts could be significant under the MTBA.

***Mitigation Measures**:* The following mitigation measures shall be implemented before construction of the Project in order to reduce impacts on Burrowing Ow, special status birds, and bats that could be on the Project site. Implementation of the below mitigation measure would reduce impacts to less than significant.

36 California Department of Fish and Wildlife, Terrestrial Mammal Species of Special Concern in California, Bolster, B.C., Ed., 1998.

37 California Department of Fish and Wildlife, Terrestrial Mammal Species of Special Concern in California, Bolster, B.C., Ed., 1998.

38 California Department of Fish and Wildlife, California Wildlife Habitat Relationships System, big free-tailed bat, J. Harris, Updated by CWHR Program Staff, March 2002.

MM BIO-1: Pre-Construction Surveys for Migratory Birds (including avoidance if found)

If ground disturbance, tree or plant removal is proposed between February 1st and August 31st, a qualified biologist shall conduct a nesting bird survey within 7 to 10 days of initiation of grading on site focusing on covered species. If active nests are reported, then species-specific measures shall be prepared. At a minimum, grading in the vicinity of a nest shall be postponed until the young birds have fledged. For construction between September 1st and January 31st, no pre-removal nesting bird survey is required.

In the event active nests are found, exclusionary fencing shall be placed 200 feet around the nest until such time as nestlings have fledged. Nests of raptors and burrowing owls shall be provided a 500-foot buffer. Ground disturbance between September 1 and January 31 shall be exempt from this requirement.

b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

No Impact. Riparian habitat occurs alongside rivers, streams, creeks, or ponds with a dense variety of vegetation. These habitats are incredibly important for riverbank protection, erosion control and improved water quality.[39] Sensitive natural communities are those listed in the California Department of Fish and Wildlife due to the rarity of the community in the State or throughout its entire range.[40] Natural communities are ranked based on a variety of values, most basic are the rarity of the community and the threat of removal. Sensitive natural communities are those that are especially rare and have a high threat of removal.

The Project site is surrounded by vacant land to the west and north with development to the south and to the east. There is a large soccer field adjacent to the school campus to the east separating the Project site from the existing development to the east. Within the Cathedral City Quadrangle, Desert Fan Palm Oasis Woodland is identified as a natural community.[41] This sensitive natural community is not on or adjacent to the Project site. The Project site and surrounding areas to the east and south are disturbed with urban development. Vacant land, characterized as Stabilized Shielded Desert Sand Fields, are north and west of the site. There are no documented riparian corridors or creeks connecting to the Project

39 California Wildlife Conservation Board, California Riparian Habitat Conservation Program. https://wcb.ca.gov/Programs/Riparian.

40 California Department of Fish and Wildlife, "Natural Communities." https://wildlife.ca.gov/Data/VegCAMP/Natural-Communities/Background.

41 City of Cathedral City, General Plan (2040 Update), "Open Space and Conservation Element." https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000. Accessed August 2021.

site.[42] Project implementation would not impact riparian habitat or sensitive habitat, and no impact would occur.

Mitigation Measures: No mitigation measures are required.

c. Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. The Project site is comprised of a fully developed school campus, and project improvements would be made within the school site. According to the USFWS Wetlands Mapper, there is no recorded federally protected wetlands on or near the Project site.[43] The nearest identified wetland habitat is located approximately 1.13 miles southeast of the Project site and is classified as a 0.90-acre freshwater pond, i.e., a stormwater detention basin. The Project site is neither in proximity to, nor does it contain, wetland habitat or a blue line stream. Implementation of the proposed Project would not have a substantial adverse effect on federally protected wetlands, as defined by Section 404 of the Clean Water Act through direct removal, filling, hydrological interruption, or other means. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less Than Significant Impact. Habitat connectivity is an essential aspect of viable habitat conservation and wildlife management. Habitat connectivity is accomplished by establishing habitat linkages and wildlife movement corridors that connect fragmented pieces of habitat. This allows for the movement of wildlife, a place for new vegetation to recolonize, and diversifies the plant and wildlife gene pools across areas of available habitat.

The Project site, areas immediately east and south of the site, and west of Date Palm Drive are developed with urban uses. The I-10 Freeway and train tracks are about one-half mile north of the Project site. Vacant land immediately north and west of the Project site are surrounded by urban developments, and consequently there are no wildlife corridors or native wildlife nurseries within these vacant areas. The Project would be implemented within the James Workman Middle School campus and the vacant areas north and west of the school would not be disturbed. The campus, however, contains ball fields and landscaping that may be used by birds. Section 3503 of the California Fish and Game Code and the federal Migratory Bird Treaty Act of 1918 (16 USC 703-711) make it unlawful to take, possess, or needlessly destroy the nest or eggs of any migratory bird or bird of prey. With the incorporation of **Mitigation**

42 Cathedral City, Comprehensive Draft General Plan (2040 Update). "Open Space and Conservation Element." https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000. Accessed August 2021.

43 USFWS, "Wetlands Mapper," https://www.fws.gov/wetlands/data/mapper.html. Accessed August 2021.

Measure (MM) BIO-1, Project impacts to migratory birds would be reduced to below the level of significance.

Mitigation Measures: **MM BIO-1**, listed above, shall be implemented before construction of the Project in order to reduce impacts on Migratory Birds that could be on the Project site.

e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The City does not have a tree preservation policy or similar ordinance that protects trees or any other biological resources. No impact would occur from Project implementation.

Mitigation Measures: No mitigation measures are required.

f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?

Less Than Significant Impact. The City participates in the Coachella Valley Multiple Species Conservation Plan and Habitat Conservation Plan/Natural Community Conservation Plan (MSHCP) and cooperates with the Agua Caliente Band of Cahuilla Indians to implement the Tribal Habitat Conservation Plan (HCP).[44]

- The goal of the Coachella Valley MSHCP is to preserve the natural ecosystems and biological diversity, on a regional scale in Coachella Valley. Local developments must pay a local development mitigation fee prior to the issuance of a building permit. The fee is used to mitigate the impacts of new development and for the purchase of land and perpetual conservation.
- The Tribal HCP protects and manages natural resources and habitat within the Tribe's jurisdictional territory. Its primary conservation mechanisms include creation of a Habitat Preserve; adoption of avoidance, minimization, and mitigation measures to enhance the habitats and survivability of Covered species; and payment of a mitigation fee that funds Tribal acquisition and management of replacement habitat. It has not yet been approved by the USFWS.

The Project would modernize John Workman Middle School and improvements would be made on the campus. Potential impacts to biological resources would be mitigated to less than significance with **MM BIO-1**. With the implementation of this mitigation measure the Project's impact on biological resources would be less than significant, and there would be no conflict with the intent of the Coachella Valley MSHCP and Tribal HCP. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

44 Southern California Association of Governments. SCAG GIS Open Data Portal. Natural Community Conservation Plan and Habitat Conservation Plan (NCCP & HCP). https://gisdata-scag.opendata.arcgis.com/datasets/natural-community-conservation-plan-nccp/explore?location=34.320967%2C-116.670397%2C8.71. Accessed July 2021.

5.5 CULTURAL RESOURCES

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
CULTURAL RESOURCES—Would the project:					
a.	Cause a substantial adverse change in the significance of a historical resource as defined in Section15064.5?	☐	☐	☐	☒
b.	Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section15064.5?	☐	☐	☒	☐
c.	Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

Discussion

a. Cause a substantial adverse change in the significance of a historical resource as defined in Section15064.5?

No Impact. CEQA Guidelines section 15064.5(a) defines a "historical resource" as a resource listed or determined to be eligible for listing by the State Historical Resources Commission, a local register of historical resources, or the lead agency. Generally, a resource is considered "historically significant" if it meets one of the following criteria:

i) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

ii) Is associated with the lives of persons important in our past;

iii) Embodies the distinctive characteristics of a type, period, region or method of construction, or represents the work of an important creative individual, or possesses high artistic values;

iv) Has yielded, or may be likely to yield, information important in prehistory or history.

The James Workman Middle School campus is not listed as a local historic landmark, nor is it on the California Historical Landmarks register or the Points of Historical Interest register.[45] The JWMS campus was originally constructed in 1992 and is less than 50 years of age. The permanent school buildings and the campus itself have not achieved sufficient age to be considered eligible for listing in the National Register of Historic Places under criteria consideration "g" of the National Register Criteria for Evaluation (See **Appendix C.2: PSUSD School Major Renovations Correspondence**). Therefore, no historical resources are on the Project site.

45 Cathedral City, General Plan (Update 2040). "Open Space and Conservation Element." https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000. Accessed July 2021.

Additionally, a cultural records search was conducted by PaleoWest to identify recorded historic and prehistoric archeological sites within a 0.5-mile radius of the Project site (see **Appendix C.1: Cultural Resources Memo**). The records search was performed at the Eastern Information Center (EIC) housed at University of California, Riverside and was limited to a cultural resource literature review and records search of the California Historic Resource Information System (CHRIS). The records search also included a review of the Office of Historic Preservation Archaeological Determination of Eligibility and the Office of Historic Preservation Directory of Historic Properties Data File. One historic period built-environment resource was identified: the Union Pacific Railroad/Southern Pacific Railroad (33-009498/CA-RIV-6381). The Union Pacific Railroad/Southern Pacific Railroad is approximately one-half-mile north of the Project site. No other historic resource was identified within 0.5 mile of the Project site. Project implementation would not impact any historical resources on or off site. No impact would occur.

Mitigation Measures: No mitigation measures required.

b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section15064.5?

Less Than Significant Impact. According to the Cathedral General Plan EIR Exhibit IV-9, Potentially Sensitive Areas for Cultural Resources, the Project site is not within areas identified sensitive for prehistoric archaeological sites or having 1910s – 1940 features.[46] Most archaeological resources in the City are north of the I-10. Additionally, as stated above, the closest historic and prehistoric resource is the Union Pacific Railroad/Southern Pacific Railroad one-half mile north of the Project site. As the proposed improvements would occur within the graded and developed areas of the JWMS campus and the Project would not affect the adjacent open space, the potential for encountering intact archaeological is low. However, in the unlikely event that subsurface resources are identified during earthmoving activities, the District would comply with PRC Section 21083.2(i), which requires the Lead Agency to make provisions for archaeological resources accidentally discovered during construction. The District would be required to make an immediate evaluation by a qualified archaeologist; if the finding is determined to be a unique archaeological resource, then it must be protected from damage and destruction and treated accordingly. Construction would be allowed in other areas while the archaeological mitigation takes place. Therefore, impacts to archaeological resources are less than significant.

Mitigation Measures: No mitigation measures required.

46 Cathedral City, General Plan, Amended 2009. Exhibit IV-9, Potentially Sensitive Areas for Cultural Resources Accessed: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fwww.cathedralcity.gov%2Fhome%2Fshowpublisheddocument%2F2778%2F636245721641900000&clen=164646

c. Disturb any human remains, including those interred outside of formal cemeteries

Less Than Significant Impact. A significant impact would occur if previously interred human remains would be disturbed during excavation of the Project site. The Project site is in an urbanized area and has been subject to grading and development in the past. The nearest cemetery is the Desert Memorial Park, located at 31-705 Da Vall Drive, 0.8 mile southeast of the Project site. In the unlikely event that earth-disturbing activities conducted by the District and/or its construction contractors identify undiscovered human remains, the District will comply with Government Code Section 27460 et seq., which requires earthmoving activities to halt until the Riverside County Coroner can determine whether the remains are subject to the provisions of Section 27491 of the Government Code or any other related provisions of law concerning investigation of the circumstances, manner, and cause of death; and the required recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, or to his or her authorized representative, in the manner provided in Section 5097.98 of the PRC. Pursuant to California Health and Safety Code Section 7050.5, the coroner shall make a determination within two working days of notification of the discovery of the human remains. If the coroner determines that the remains are not subject to his or her authority and recognizes or has reason to believe that they are those of a Native American, he or she shall contact the Native American Heritage Commission by telephone within 24 hours. The District will comply with existing regulations, and potential impact related to the accidental discover of human remains would be less than significant.

Mitigation Measures: No mitigation measures required.

5.6 ENERGY

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Discussion

a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less than Significant Impact.

The following analysis estimates the Project's electricity, natural gas, and transportation fuel usage and evaluates whether the Project would result in wasteful, inefficient, or unnecessary consumption of energy resources. In accordance with Appendix F of the CEQA Guidelines, the analysis includes relevant information to address the energy implications of the Project. The supporting energy calculations are included in **Appendix D: Energy Calculations** of this Initial Study.

Construction

During construction, energy would be directly consumed on a limited basis to power lights, electronic equipment, and indirectly for the conveyance of water used for dust control during grading. As discussed below, construction activities, including the construction of new buildings, typically do not involve the consumption of natural gas. Construction would also consume energy in the form of petroleum-based fuels associated with the use of off-road construction vehicles and equipment within the Project site, construction worker travel, haul trips, and delivery trips. Phases with overlapping timeframes were assumed to occur concurrently.

As shown in **Table 5.6-1: Summary of Energy Use During Construction**, a total of approximately 67 kilowatt-hours (kWh) of electricity, 68,213 gallons of diesel fuel, and 5,571 gallons of gasoline is estimated to be consumed during construction of the Project.

TABLE 5.6-1
SUMMARY OF ENERGY USE DURING CONSTRUCTION

Fuel Type	Quantity
Electricity	
Water Conveyance	67 kWh
Diesel	
Off-Road Construction Equipment	58,244 gallons
On-Road Motor Vehicles	9,969 gallons
Total	**68,213 gallons**
Gasoline	
Off-Road Construction Equipment	0 gallons
On-Road Motor Vehicles	5,571 gallons
Total	**5,571 gallons**

Source: Refer to **Appendix D** for detailed calculations.

Electricity

During construction, electricity would be consumed to supply and convey water for dust control and, on a limited basis, may be used to power lighting, electronic equipment, and other construction activities necessitating electrical power. Electricity would be supplied to the Project site by Southern California Edison (SCE) distribution infrastructure and would be obtained from existing substations and electrical lines in and around the Project site.

As shown in **Table 5.6-1** above, a total of approximately 67 kWh of electricity is anticipated to be consumed during construction. The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed and would cease upon completion of construction. When not in use, electric equipment would be powered off to avoid unnecessary energy consumption.

Due to the relatively short duration of the construction process, and the fact that the extent of electricity consumption is inherent to construction projects of this size and nature, electricity consumption impacts would not be considered excessive or substantial with respect to regional supplies. The energy demands during construction would be typical of construction projects of this size and the Project would not result in the wasteful, inefficient, or unnecessary consumption of electricity resources. Accordingly, electricity demands during construction would be less than significant.

Natural Gas

Construction activities do not typically involve the consumption of natural gas as construction equipment and staging rely heavily on electricity and transportation fuels. Accordingly, natural gas would likely not

be needed to support construction activities; thus, there would be little to no demand generated by construction. As a result, the Project would not result in inefficient, or unnecessary consumption of natural gas during construction. Accordingly, natural gas demands during construction would be less than significant.

Transportation Energy

Project construction would consume energy in the form of petroleum-based fuels associated with use of off-road construction vehicles and equipment on the Project site, construction workers traveling to and from the Project site, and delivery and haul truck trips (e.g., for deliveries of construction supplies and materials).

As shown in **Table 5.6-1**, on- and off-road vehicles would consume an estimated 73,784 gallons of petroleum (5,571 gallons of gasoline and 68,213 gallons of diesel fuel) throughout the Project's construction period. For purposes of comparison, the Energy Information Administration (EIA) forecasts a national oil supply of 20.39 million barrels (mb) per day in 2022, which is the first year of construction for the Project.[47] This equates to approximately 7,472 mb per year or 312,579 million gallons (mg) per year. Construction of the Project would account for less than 0.01 percent of the projected annual oil supply in 2022.

Due to the relatively short duration of the construction process, and the fact that the extent of fuel consumption is inherent to construction projects of this size and nature, fuel consumption impacts would not be considered excessive or substantial with respect to regional fuel supplies. The energy demands during construction would be typical of construction projects of this size and would not necessitate additional energy facilities or distribution infrastructure. The Project will also comply with Section 2485 in Title 13 of the California Code of Regulations, which requires the idling of all diesel-fueled, commercial vehicles be limited to five minutes at any location. As a result, the Project would not result in inefficient, or unnecessary consumption of transportation resources during construction. Accordingly, transportation resource demands during construction would be less than significant.

Operation

During operation of the Project, energy would be consumed for multiple purposes associated with the proposed uses, including, but not limited to, HVAC; refrigeration; lighting; and the use of electronics, equipment, and machinery. Energy would also be consumed during operation of the Project in the form

47 U.S. Energy Information Administration, Annual Energy Outlook 2020: Table 11. Petroleum and Other Liquids Supply and Disposition, https://www.eia.gov/outlooks/aeo/data/browser/#/?id=11-AEO2020&cases=ref2020&sourcekey=0, Accessed August 2021.

of water usage, solid waste disposal, and vehicle trips, among others. As shown in **Table 5.6-2: Summary of Annual Energy Use During Operation**, the Project would result in a beneficial effect with a net reduction of 272,714 kWh of electricity per year, 77,039 kBTU of natural gas per year, and 2,508 gallons of transportation fuel per year. These reductions are a result of higher building efficiency standards for new development, and implementation of regulation that require higher efficient and alternative fueled vehicles. Accordingly, the Project would not result in inefficient, or unnecessary consumption of energy resources during operation, and impacts would be less than significant.

TABLE 5.6-2
SUMMARY OF ANNUAL ENERGY USE DURING OPERATION

Source	Units	Quantity
Electricity		
Project Electricity	kWh/yr	946,561
Existing Electricity	*kWh/yr*	*1,219,275*
Net Total	**kWh/yr**	**(272,714)**
Natural Gas		
Project Natural Gas	kBTU/yr	991,981
Existing Natural Gas	*kBTU/yr*	*1,069,020*
Net Total	**kBTU/yr**	**(77,039)**
Transportation Energy		
Project Fuel	Gallons/yr	97,333
Existing Fuel	*Gallons/yr*	*99,841*
Net Total	**Gallons/yr**	**(2,508)**

*Source: Refer to **Appendix D** for detailed calculations.*
Notes: kWh/yr. = kilowatt-hours per year; kBtu/yr. = thousand British Thermal Units per year.
Electricity and Natural Gas for the Project is total yearly operational usage. Mobile gasoline and diesel usage were calculated using CalEEMod output data

b. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

Less than Significant Impact.

The Project would comply with applicable regulatory requirements for the design of new water related infrastructure, including the provisions set forth in the CALGreen Code and California's Building Energy Efficiency Standards. Therefore, the Project would be consistent with adopted energy efficiency plans, and impacts would be less than significant.

5.7 GEOLOGY AND SOILS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
GEOLOGY AND SOILS—Would the project:				
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning map, issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii. Strong seismic ground shaking?	☐	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv. Landslides?	☐	☐	☒	☐
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☐	☒	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site unique geologic feature?	☐	☐	☒	☐

Discussion

a. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less Than Significant Impact. The Project site is not within an Alquist-Priolo Earthquake Fault Rupture Zone, as delineated by the California Geological Survey.[48] The closest Alquist-Priolo Earthquake Fault Zone is the Coachella Valley Segment of the San Andreas Fault, approximately 2.5 miles north of the Project site. Because the Project site is not within a known earthquake fault or fault zone, nor does the Project involve activities which would induce rupture, impacts related to the rupture of an Alquist-Priolo Earthquake Fault Zone would be less than significant.

Mitigation Measures: No mitigation measures are required.

ii. Strong seismic ground shaking?

Less Than Significant Impact. As with most of southern California, the Project site is subject to ground shaking and potential damage in the event of earthquakes. Sources of strong ground shaking within the region would be an earthquake along the Coachella Valley Segment of the San Andreas Fault, 2.5 miles north of the Project site, and the Garnet Hill Fault, 1.5 miles north of the site are the closest faults to the Project site.[49] However, many more faults are in the region, including East Mohave Shear, North Frontal Fault Zone, Pinto Mountain, San Jacinto, and Elsinore.[50] Because the Project site is in a seismically active area, seismic ground shaking may occur at the Project site.

The California Building Standards Commission regulates development in California through a variety of tools that reduce hazards from earthquakes and other geologic hazards. The Project would be required to adhere to the provisions of the 2019 California Building Code (CBC) which contains provisions to safeguard against major structural failures or loss of life caused by earthquakes or other geologic

48 California Department of Conservation, California Geological Survey. Regional Geological and Mapping Program, http://www.quake.ca.gov/gmaps/WH/regulatorymaps.htm. Accessed February 2021.

49 Cathedral City, General Plan Update: Environmental Impact Report. https://www.cathedralcity.gov/home/showpublisheddocument?id=8165. Accessed February 2021.

50 California Department of Conservation, California Geological Survey. Regional Geological and Mapping Program, http://www.quake.ca.gov/gmaps/WH/regulatorymaps.htm. Accessed February 2021.

hazards.[51] Compliance with the requirements of the 2019 CBC for structural safety would reduce hazards from strong seismic ground shaking. Therefore, impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

iii. Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction refers to loose, saturated sand or gravel deposits that lose their load-supporting capability when subjected to intense shaking. According to the City's Imagine 2040 *General Plan EIR*, the Project site is in an area considered to have low liquefaction susceptibility, given that the approximate depth to groundwater in the City occurs at approximately 150 to 200 feet.[52] The Project would be required to adhere to the 2019 CBC, which contain provisions for soil preparation to minimize hazards from liquefaction and other seismic-related ground failures. Therefore, impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

iv. Landslides?

Less Than Significant Impact. According to the City's Imagine 2040 *General Plan EIR*, the Project Site is located within an area with low susceptibility of being impacted by rockfalls and seismically induced landslides.[53] Furthermore, the Project site and surrounding areas are relatively flat. As such, the Project would not be subject to landslides. Therefore, impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

b. Result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. The majority of the City consists of Carsitas cobbly sand (ChC), Myoma fine sand (MaB), and Carsitas gravelly sand (CdC), which have low to medium susceptibility to soil erosion.[54] However, the City, including the Project site is highly susceptible to wind hazards that contribute to soil erosion and the generation of fugitive dust. These contribute to the soiling of exterior furniture and vehicles, nuisances and increased health risks to people, loose soils on roadways and driveways, reduction in visibility for drivers, and loss of topsoil.

Grading and excavation activities for construction may lead to localized erosion, as wind and water carry loose soils off site. However, dust control measures required by the SCAQMD–include pre-watering, prompt revegetation, and use of soil binders–would reduce impacts associated with soil blowing and wind erosion during construction activities. The Project would also be required to implement erosion control

51 California Building Code of Regulations, Title 24, Part 2. Accessed February 2021.

52 Cathedral City, General Plan Environmental Impact Report. Accessed July 2021.

53 Cathedral City, General Plan Environmental Impact Report. Accessed July 2021.

54 Cathedral City, General Plan Environmental Impact Report. Accessed July 2021.

Best Management Practices (BMPs) outlined in the Storm Water Pollution Prevention Plan (SWPPP) that would be developed and implemented as part of construction activities, in compliance with the National Pollutant Discharge Elimination System (NPDES). This is further discussed in Section 5.10: Hydrology and Water Quality. Compliance with erosion-control regulations required by the SCAQMD, CVAG, and SWPPP would reduce potential soil erosion from the Project construction to less than significant.

Mitigation Measures: No mitigation measures are required.

c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less Than Significant Impact. Most of the City is not susceptible to landslides, and the overall risk of landslides is low.[55] Additionally, the Project site and surrounding areas are relatively flat. Therefore, impacts related to landslides would be less than significant.

Liquefaction is not a concern for developments, in the Project, within the City. Given the depth to groundwater occurs at approximately 150 to 200 feet, impacts related to liquefaction are less than significant.

Subsidence typically occurs where groundwater or natural gas is extracted. There have been no documented incidents of subsidence in the City. The potential for groundwater extraction-related ground subsidence at the Project site is considered to be limited due to limited pumping nearby and replenishment of regional groundwater aquifers are with imported water. Impacts related to subsidence is less than significant.

Soil collapse occurs when soils undergo a rearrangement of their grains and a loss of cementation, resulting in substantial and rapid settlement under relatively low loads. This phenomenon may occur in alluvial sediments, for which the Project site is underlain. As required by the 2019 CBC, recommendations of a project-specific geotechnical study would be required, and recommendation identified therein would be incorporated into the design and construction of the Project. Adhere to the 2019 CBC and related geotechnical study would minimize potential impacts and risks associated with collapsible soils, and impacts would be reduced to acceptable standards.

Mitigation Measures: No mitigation measures are required.

55 Cathedral City, General Plan Environmental Impact Report. Accessed July 2021.

d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

Less Than Significant Impact. Expansive soils contain significant amounts of clay particles that have the ability to give up water (shrink) or take on water (swell). When these soils swell, the change in volume can exert pressures that are placed on them, and structural distress and damage to buildings can occur. According to the Imagine 2040 General Plan EIR, there is a relatively minor amount of clay present in City soils, and expansive soils are not considered a hazard for the Project.[56] The Project would also be required to adhere to the 2019 CBC, which contains provisions for soil preparation to minimize hazards from expansive soils and other seismic-related ground failures. Therefore, impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The Project would be connected to the City's sewer system and would not require the installation of a septic tank or alternative wastewater disposal system. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less than Significant Impact. The City is not known to contain unique paleontological or geologic features.[57] Soils in the City, including at the Project site, are composed of recently deposited alluvium which according to the Imagine 2040 General Plan EIR, has a low potential to contain unique paleontological resources.[58] Furthermore, the Project site has been subject to excavation and grading, and soil disturbing activities related to Project construction, including development of the new building improvements would have minimal potential to damage or destroy paleontological resources. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

56 Cathedral City, General Plan Environmental Impact Report. Accessed July 2021.

57 Cathedral City, General Plan Environmental Impact Report. Accessed July 2021.

58 Cathedral City, General Plan Environmental Impact Report. Accessed July 2021.

5.8 GREENHOUSE GAS EMISSIONS

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
GREENHOUSE GAS EMISSIONS – Would the project:					
a.	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b.	Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Discussion

a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less than Significant Impact.

Construction

Construction activity impacts are relatively short in duration, and they contribute a relatively small portion of the total lifetime GHG emissions of a project. Due to the complex physical, chemical, and atmospheric mechanisms involved in global climate change, no basis exists for concluding that the Project's very small and essentially temporary (primarily from construction) increase in emissions could cause a measurable increase in global GHG emissions necessary to force global climate change. In addition, GHG emissions-reduction measures for construction equipment are relatively limited.[59] Therefore, in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Thresholds,[60] the SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies. That method is used in this analysis.

GHG emissions were quantified from construction and operation of the Project using SCAQMD's CalEEMod model. CalEEMod is based on outputs from the CARB off-road emissions model (OFFROAD) and the CARB on-road vehicle emissions model (EMFAC), which are emissions estimation models developed by CARB and used to calculate emissions from construction activities, including on- and off-road vehicles.

59 South Coast Air Quality Management District, Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold, October 2008.

60 South Coast Air Quality Management District, "Greenhouse Gases," Accessed June 2020, http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ghg-significance-thresholds/page/2.

The forecasting of construction-related GHG emissions requires assumptions regarding the timing of construction as the emission factors for some of the Project's construction-related GHG emission sources decline over time. As shown in **Table 5.8-1: Construction GHG Emissions**, total construction emissions would be 676 MTCO2e and would not exceed the SCAQMD Working Group threshold of 3,000 MTCO2e per year.[61] One-time, short-term emissions are converted to average annual emissions by amortizing them over the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame because this is a typical interval before a new building requires its first major renovation.[62] As shown in **Table 5.8-1**, when amortized over an average 30-year Project lifetime, average annual construction emissions from the Project would be 23 MTCO2e per year.

TABLE 5.8-1
CONSTRUCTION GHG EMISSIONS

Construction Phase	MTCO2e/Year
2022	282
2023	245
2024	149
Overall Total	**676**
30-Year Annual Amortized Rate	**23**

*Refer to **Appendix E: Greenhouse Gas CalEEMod Output Sheets**.*
Notes: GHG = greenhouse gas; MTCO2e = metric tons of CO2

Operation

Operation of the proposed Project has the potential to generate GHG emissions through vehicle trips traveling to and from the Project Site. In addition, emissions would result from area sources on site, such as natural gas combustion, landscaping equipment, and use of consumer products. Emissions from mobile and area sources and indirect emissions from energy and water use, wastewater, as well as waste management would occur every year after full development of the uses allowed by the Project. Operational Project emissions from area sources, energy sources, mobile sources, solid waste, and water and wastewater conveyance are shown in **Table 5.8-2: Operational Greenhouse Gas Emissions** below. As shown in **Table 5.8-2**, the Project would generate 2,940 MTCO2e per year of GHG emissions and would not exceed the SCAQMD Working Group threshold of 3,000 MTCO2e per year.[63] Moreover, the Project would result in a net negative of 295 MTCO2e per year compared to the existing uses. These reductions are a result of higher building efficiency standards for new development, and implementation of

61 SCAQMD, Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans, December 2008.

62 International Energy Agency, Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings, IEA Information Paper (2008).

63 SCAQMD, Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans, December 2008.

regulation that require higher efficient and alternative fueled vehicles. As such, the Project would have a less than significant impact on GHG emissions.

TABLE 5.8-2
OPERATIONAL GREENHOUSE GAS EMISSIONS

Source	Unmitigated MTCO2e per year
Construction (amortized)	23
Area	<1
Energy	195
Mobile	2,239
Waste	156
Water	32
Total	2,645
Existing	*2,940*
Net Total	**(295)**

*Refer to **Appendix E: Greenhouse Gas CalEEMod Output Sheets** Abbreviation: MTCO2e = metric tons of carbon dioxide emissions.*

b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than Significant Impact. The Project would not conflict with local zoning, land use designations, plans, policies, or regulations. Moreover, the Project would only upgrade and modernize existing facilities without increasing local population, student capacity, employment opportunities, or housing. As such, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases. Impacts would be less than significant.

Mitigation Measures: No Mitigation Measures are required.

5.9 HAZARDS AND HAZARDOUS MATERIALS

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
HAZARDS AND HAZARDOUS MATERIALS – Would the project:					
a.	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b.	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c.	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d.	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to *Government Code* Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐
e.	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f.	For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒	☐
g.	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
h.	Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☐	☒

Discussion

a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact

Construction

Construction activities may involve the use of hazardous materials, which may include fuels, lubricants, coatings, and grease related to construction equipment and activities. However, hazardous materials would be used in accordance with regulatory standards and protocols and would not be in such quantities or stored in such a manner as to pose significant safety hazards. These activities would also be short term or one time in nature and would cease upon project completion.

The transport, storage, and disposal of construction-related hazardous materials would be required to conform to existing laws and regulations. The construction equipment would be fueled and maintained by petroleum‐based substances such as diesel fuel, gasoline, oil, and hydraulic fluid, which are considered hazardous if improperly stored, handled, or transported. Other materials used—such as paints, adhesives, and solvents—could also result in accidental releases or spills that could pose risks to people and the environment. These risks are standard, however, on all construction sites, and the Project would not cause greater risks than would occur on other similar construction sites.

Construction contractors would be required to comply with federal, State, and local laws and regulations regarding the transport, use, and storage of the hazardous materials. Applicable laws and regulations include CFR, Title 29 - Hazardous Waste Control Act; CFR, Title 49, Chapter I; and Hazardous Materials Transportation Act requirements as imposed by the USDOT, CalOSHA, CalEPA and DTSC. Additionally, construction activities would require compliance with a SCAQMD Rule 403, which would require the watering of exposed soils and preparation of a Stormwater Pollution Prevention Plan (SWPPP), which is mandated by the National Pollution Discharge Elimination System General Construction Permit and enforced by the Santa Ana RWQCB. The SWPPP will include strict on-site handling rules and BMPs to minimize potential adverse effects to workers, the public, and the environment during construction, including, but not limited to:

- Establishing a dedicated area for fuel storage and refueling activities that includes secondary containment protection measures and spill control supplies;
- Following manufacturers' recommendations on the use, storage, and disposal of chemical products used in construction;
- Avoiding overtopping construction equipment fuel tanks;
- Properly containing and removing grease and oils during routine maintenance of equipment; and
- Properly disposing of discarded containers of fuels and other chemicals.

Compliance with applicable laws and regulations governing hazardous materials would ensure that all potentially hazardous materials are used and handled in an appropriate manner and would minimize the potential for safety impacts to occur. For example, all spills or leakage of petroleum products during construction activities are required to be immediately contained, the hazardous material identified, and the material remediated in compliance with applicable State and local regulations regarding the cleanup and disposal of the contaminant released. All contaminated waste encountered would be required to be collected and disposed of at an appropriately licensed disposal or treatment facility. Strict adherence to all emergency response plan requirements set forth by the City, and Riverside County Department of Environmental Health (RCDEH) would be required through the duration of the project construction. Therefore, construction impacts related to the routine transport, use, or disposal of hazardous materials would be less than significant.

Operation

The JWMS Campus would continue to operate during construction. Hazardous substances associated with the operation of the proposed facilities would be similar to those used for JWMS's current operations, which would be limited in both amount and use. Typical hazardous materials found at JWMS include solvents, cleaning agents, paints, fertilizers, and pesticides. When used correctly and in compliance with existing laws and regulations, including pesticide regulations enforced by the Department of Toxic Substances Control, these hazardous materials would not result in a significant hazard to people and the environment. As the Project would not introduce new hazardous materials to the campus, impacts related to the transport, disposal, or release of hazardous materials during operation of the proposed improvements would be less than significant.

Mitigation Measures: No mitigation measures are required.

b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impact with Mitigation Incorporated. The Project would require demolition of portable buildings, earthwork (e.g., vegetation removal, grading, and site excavation), site preparation, and building construction. The permanent facilities at the Project site were built in 1992, and the oldest portable buildings were fabricated in 1988. Since the school facilities were built after the US Environmental Protection Agency's (EPA) ban of polychlorinated biphenyls (PCB), asbestos containing materials (ACM), and lead-based paint (LBP), it is unlikely that these hazardous materials are on site. Nevertheless, due to the close proximity of the proposed construction activities and school operations, there could be a potential for school occupants (students, teachers, campus staff, and visitors) and construction workers, which are considered sensitive receptors, to be exposed to health risks associated with PCBs, ACM, and LBP. Therefore, mitigation measures **MM HAZ-1** and **MM HAZ-1.a through 1.c** are proposed to prevent a potential hazard to the public and environmental, related to the reasonably

foreseeable upset and accident of these hazardous materials. Implementation of these mitigation measures would reduce a potentially significant impact to less than significance.

Mitigation Measures: The following Mitigation Measures would reduce the Project's potential impacts related to hazards and hazardous materials:

MM HAZ-1 The District shall retain a qualified expert(s) to determine if the Project site contains any PCB-containing materials, asbestos containing materials, and/or lead based paint. If one or all three of these hazardous materials are determined present on the campus, the District shall remove the hazardous material as specified in **MM HAZ-1.a** for polychlorinated biphenyls, **MM HAZ-1.b** for asbestos containing materials, and/or **MM HAZ-1.c** for lead based paint:

MM HAZ-1.a **Polychlorinated Biphenyls (PCBs).** The removal of PCBs shall be completed in accordance with applicable regulations pursuant to 40 CFR 761. Prior to any demolition/renovation activity, the District shall ensure that all transformers, insulating materials, oil-based paints, and plastics that need to be removed are labeled and sorted as "No PCBs," "Unknown PCB," or "Assumed PCB."

Mercury-containing light ballasts with unknown PCB content shall also be handled in accordance with 40 CFR 273. The ballasts shall be segregated and analyzed for PCB content or assumed to contain PCBs. PCB wastes are regulated as hazardous waste if the total PCB concentration is equal to or greater than 50 mg/kg (50 ppm) and/or the soluble PCB concentration is equal to or greater than 5 mg/L (5 ppm). A limited exemption for PCB-containing ballasts is found in 22 California Code of Regulations 67426.1 et seq. This section allows up to two 55-gallon drums of PCB-containing materials per vehicle to be transported to an authorized location without having to use a hazardous waste manifest or a hazardous waste transporter.

The handling method selected shall be based on the costs associated with the labor to segregate and test the materials versus the additional disposal fees. However, the potential increased risk from handling potentially nonhazardous wastes as hazardous waste shall be carefully considered in the District's decision-making process.

MM HAZ-1.b **Asbestos Containing Materials.** Prior to demolition and construction activities on the Project site, asbestos abatement work shall be performed in compliance with applicable federal, State, and local regulations:

- South Coast Air Quality Management District's Rule 1403
- California Health and Safety Code (Section 39650 et seq.)
- California Code of Regulations (Title 8, Section 1529)
- California Occupational Safety and Health Administration regulations (California Code of Regulations, Title 8, Section 1529)
- Code of Federal Regulations (Title 40, Part 61 [asbestos], Title 40, Part 763 [asbestos], and Title 29, Part 1926 [asbestos and lead])

A scope of work and procedures specifically tailored to the Project shall be prepared and adhered to by the abatement contractor, as directed by the District. The Project-derived asbestos wastes shall be segregated as either "Hazardous" or "Nonhazardous" and handled separately, or combined and handled together as hazardous.

The handling method selected shall be based on the costs associated with the labor to segregate the wastes versus the additional disposal fees. However, the potential increased risk from handling potentially nonhazardous wastes as hazardous shall be considered in the decision-making process.

MM HAZ-1.c **Lead-Based Paint (LBP).** Lead-containing materials shall be handled according to the CCR, Title 8, Section 1532.1, and Title 17, Sections 35001–36100. If lead-based paint is found, the District shall follow all Cal/OSHA procedural requirements and regulations for its proper removal and disposal before general demolition activities commence. Lead wastes are regulated as hazardous waste if the total lead concentration is 1,000 mg/kg (1,000 ppm) or greater and/or the soluble lead concentration is greater than 5.0 mg/L (5 ppm).

c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impact. The Project is at a school site. There are no other schools within one-quarter mile. As discussed above in **Sections 5.9 (a)** and **(b)**, construction would involve the use and handling of hazardous materials, including fuels, lubricants, coatings, and grease, and possibly asbestos, lead, and PCBs containing materials. The use and handling of these hazardous materials would be in accordance with regulatory standards and protocols discussed above in **sections 5.9(a)** and **5.9(b)** and would not be in such quantities or stored in such a manner as to pose significant safety hazards. Construction emissions, including exhaust and dust, would be generated from operation of equipment and vehicles. As analyzed in **Section 5.3(c)**, emissions generated during construction would not significantly impact the local environment, including school occupants at the Project site.

During operation of the Project, similar to existing conditions, modest amounts of cleaning supplies and solvents would be used for housekeeping and janitorial purposes. These hazardous materials would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Emissions generated during operation of the school include those based on natural gas (building heating and water heaters), landscaping equipment, and consumer product (including paint). As analyzed in **Section 5.3(c),** these emission sources would not impact the local environment, including school occupants. Therefore, Project related emissions and handling of hazardous materials would not significantly impact schools, including the Project site at James Workman Middle School. Impacts would be less than significant.

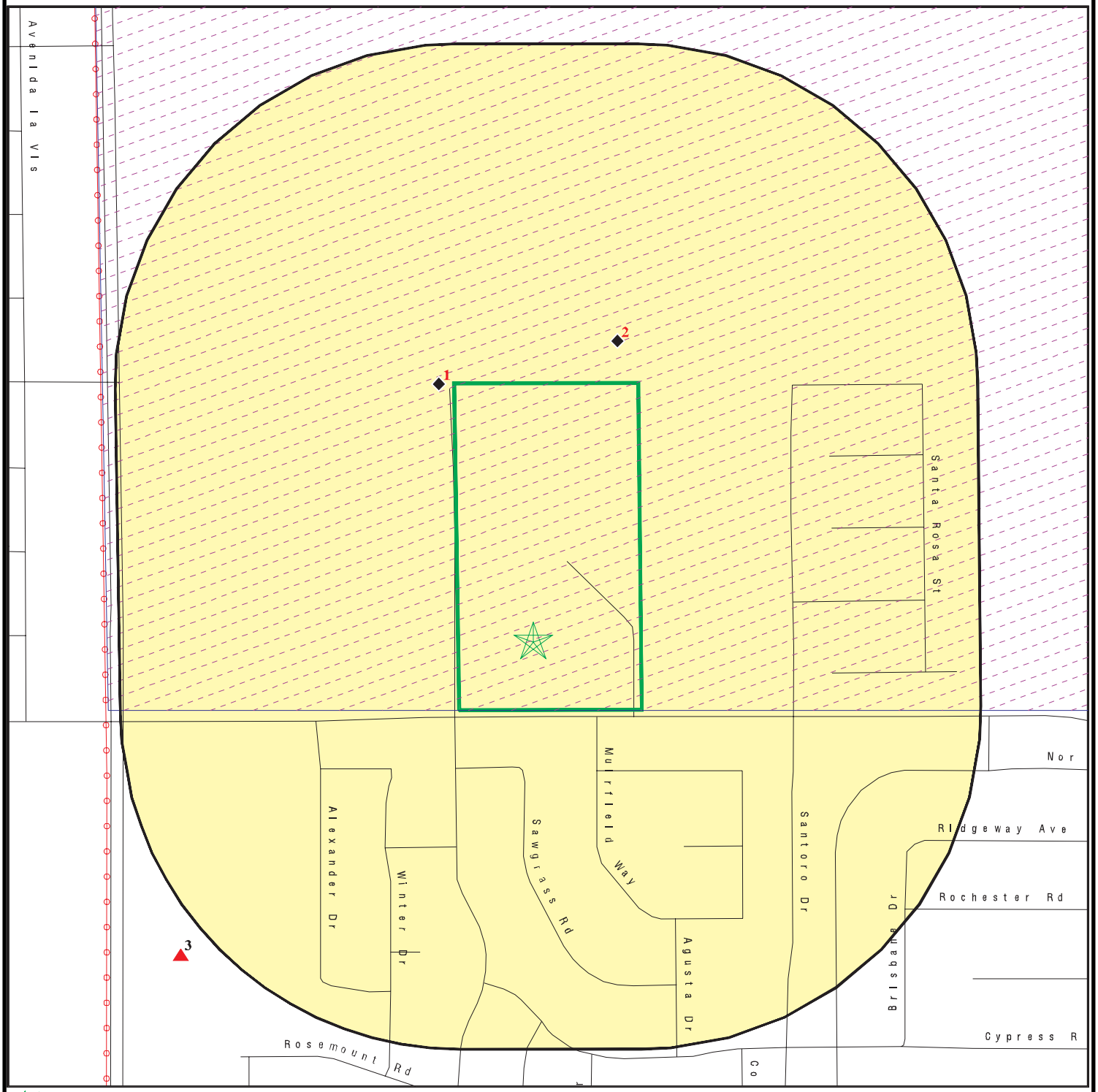
Mitigation Measures: No mitigation measures are required.

d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 [inclusive of Section 25356 of the Health & Safety Code] and, as a result, would it create a significant hazard to the public or the environment?

Less than Significant Impact. A search of environmental records was conducted by Environmental Data Resources, Inc (EDR) (**Appendix F**). The EDR records search includes hazardous materials sites compiled pursuant to Government Code Section 65962.5. The records search did not identify the Project site on any hazardous materials sites. However, as shown in **Figure 5.9-1**: **Hazardous Materials Sites Map**, two hazardous materials sites are within one-quarter mile of the Project site, and a third site is outside the one-quarter mile radius. The two within one-quarter mile are identified as solid waste open disposal sites from the Indian Health Service (IHS) Open Dumps database. The first is immediately northeast of the Project site at the end of San Eljay Avenue, and the other is immediately northwest of the Project site at the end of Tortuga Road. As shown in **Figure 5.9-2**: **Views of IHS Solid Waste Disposal Sites**, both sites appear to be used by locals as dump sites with minimal scattered debris. According to the EDR, both surface dump sites represent low health threats. The third site is listed on the DTSC Envirostor database; it currently vacant and previously evaluated for potential development of a regional learning center. According to EDR, no action is required for this site

The closest Project construction activities would be away from these hazardous waste sites. The proposed permanent classroom building would be roughly 500 feet south of the disposal site near Tortuga Road, and the proposed relocated bus loading area would be about 400 feet south of the disposal site at the end of San Eljay Avenue. Due to their reported low threats and the distance from the proposed construction activities, Project implementation would not expose the public or environment to hazards, and impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.



SOURCE: EDR, Inc. - 2021; TomTom Rel. - 2015

FIGURE **5.9-1**

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Hazardous Materials Sites Map

049-019-20

Figure 1. A disposal site listed on the Indian Health Service (IHS) Open Dumps database is immediately northeast of the Project site at the end of San Eljay Avenue.

Figure 2. A disposal site listed on the Indian Health Service (IHS) Open Dumps database is northwest of the Project site at the end of Tortuga Road.

SOURCE: Google Earth - 2021

FIGURE **5.9-2**

Meridian Consultants

Views of IHS Solid Waste Disposal Sites

049-019-20

e. Is the proposed school site within 2 miles, measured by air line, of that point on an airport runway or potential runway included in an airport master plan that is nearest to the site? (Ed. Code Section 17215(a)&(b); Does not apply to school sites acquired prior to January 1, 1966.)?

No Impact. The closest airport to the Project site is the Palm Springs International Airport, which is located 2.4 miles northeast from the Project site. As JWMS is located farther than 2 miles from the nearest airport, the Project would not conflict with an airport land use plan or operation of nearby airports. The Project would not pose a safety hazard to people at the Project site or within the Project area. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

f. For a project within the vicinity of a private airstrip, would the Project result in a safety hazard for people residing or working in the project area?

Less than Significant Impact. There are no private airports, airstrips, or heliport stations within the vicinity of the Project site. According to the *Riverside County Airport Land Use Compatibility Plan* (*RCALUCP*) and the Riverside County Airport Land Use Commission (RCALUC), the Project site is located outside the boundaries of the Palm Springs International Airport's area of influence and would not result in a safety hazard for students, staff, and workers.[64] No impacts would occur.

Mitigation Measures: No mitigation measures are required.

g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. Date Palm Drive and Interstate-10 located near the Project site are used for emergency access.[65] Project development would not impair implementation of or physically interfere with this network connectivity, because Project implementation would occur on the school campus. Construction activities would be short term. Therefore, Project implementation would not interfere with an adopted emergency response plan or emergency evacuation plan, and impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

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64 Riverside County Airport Land Use Compatibility Plan, Airport Maps –Palm Springs International Airport, http://www.rcaluc.org/filemanager/plan/new/18-%20Vol.%201%20Palm%20Springs%20International.pdf

65 Cathedral City. Local Hazard Mitigation Plan. 2021, August. chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fwww.cathedralcity.gov%2Fhome%2Fshowpublisheddocument%2F6307%2F636281056559930000&clen=2488510

h. Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. As discussed in **section 5.20, Wildfire,** the Project site and surrounding areas are within a Local Responsibility Area (SRA), classified as Non-VHFHSZ (Very High Fire Hazard Severity Zone).[66] Urban improvements are east and south of the Project site. Vacant open spaces are west and north and contain sparse desert shrubs; these areas are zoned residential. The Project involves modernization of an existing school in a residential community and does not propose improvements that would exacerbate fire risk. Therefore, the Project would not expose people or structures to wildland fires. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

66 Cathedral City, Draft Comprehensive General Plan. Accessed July 2021. https://files.ceqanet.opr.ca.gov/237884-2/attachment/DOYwP9WrHQ6VkR8giBqMmkskA8Vri7v8X1UUUEQBl9u-NZ_-V1QAGIPJaWo2Mld_Pd8Rvhfvw4ErNN9_0.

5.10 HYDROLOGY AND WATER QUALITY

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
HYDROLOGY AND WATER QUALITY – Would the project:					
a.	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b.	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c.	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
	i. Result in substantial erosion or siltation on or off-site?	☐	☐	☒	☐
	ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	☐	☐	☒	☐
	iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
	iv. Impede or redirect flood flows?	☐	☐	☒	☐
d.	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e.	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Discussion

a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

Less than Significant Impact. The project site is in the jurisdiction of the Colorado River Basin Regional Water Quality Control Board (RWQCB). New construction can in result in two types of water quality impacts: (1) short-term impacts due to the discharge of eroded soil and other pollutants during construction, and (2) long-term impacts due to the creation of impervious surfaces (buildings, roads, parking lots, and walkways) that prevent the percolation of water into the ground, thereby increasing

the rate and volume of stormwater runoff. Impervious surfaces can also increase the concentration of pollutants in stormwater runoff, such as oil, fertilizers, pesticides, trash, soil, and animal waste. Runoff from short-term construction and long-term operation can flow directly into nearby receiving waters such as streams, lakes, and man-made drains and channels.

Construction

The Project would not expose large areas of pervious surfaces or increase runoff that would violate water quality standards. Construction equipment and activities could contribute pollutants to the local storm drain system, such as trash and debris, oil and grease, sediments, oxygen-demanding substances, nutrients, heavy metals, pesticides, and organic compounds. The District would comply with local, State, and federal regulations to prevent construction impacts on stormwater runoff in order to ensure that water quality is uncompromised during project construction.

Discharges from construction activities could affect storm water, including soil and sediment entering storm water or carried off site by wind, would be regulated by the Statewide General Construction Permit issued by the State Water Resources Control Board (SWRCB).[67] Given that the construction areas would be greater than one acre, the Project would be required to obtain a Stormwater Pollution Prevention Plan (SWPPP) from the Colorado River Basin Regional Water Quality Control Board (CRBRWQCB), which is in compliance with the National Pollution Discharge Elimination System (NPDES).[68] The SWPPP specifies Best Management Practices (BMPs) with the aim of reducing or eliminating soil erosion and siltation from construction sites. Examples of BMPs include gravel bag berms, silt fencing, fiber rolls, street sweeping, and general housekeeping measures to prevent stormwater contact with construction materials. Compliance with the SWPPP and BMPs would minimize wastewater discharge and reduce the impact to water and groundwater quality to a level of less than significance.

Operation

The Project site is relatively flat. Elevation at the campus ranges between 350 feet ASL at the northeast corner and 360 feet ASL at the southwest corner.[69] Surface water flows on the paved area outside of the MPR/Performing Arts building and around the perimeter of the campus are directed toward the existing municipal storm drains serving the campus. The Project would include construction of a new building and modernization improvements to existing buildings. As part of the project, the District would be required to comply with the National Pollutant Discharge Elimination System (NPDES) MS4 Permit (Order No. R7-2013-0011) and NPDES Permit No. CA0104973 and implement best management practices to ensure that receiving water quality is protected. Best management practices include, but are not limited to, covering all demolition material and waste, developing and implementing a spill recovery prevention/recovery plan, using water trucks to prevent dust emissions, and properly managing and maintaining vehicles and equipment. Impacts to the water quality of stormwater runoff would be minimal. Drainage and surface

67 State Water Resources Control Board, 2009-0009-DWQ Construction General Permit, https://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml. Accessed August 2021.

68 U.S. Environmental Protection Agency, Water: Permitting (NPDES), https://www.epa.gov/npdes. Accessed August 2021.

69 United States Geographical Survey, "Topographic Map," https://apps.nationalmap.gov/downloader/#/. Accessed August 2021.

water discharges from the project would not violate any water quality standards or waste discharge requirement. Furthermore, the amount of impervious surfaces on the Project site upon completion would be similar to the existing conditions and the Project would meet water quality standards and waste discharge requirements. As such, impacts would be less than significant.

Mitigation Measures: No mitigation measures would be required.

b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that the project may impede substantial groundwater management of the basin?

Less than Significant Impact. The Coachella Valley Water District (CVWD) provides water to the Project site. Water supply is primarily sourced from groundwater located in both the Indio and Mission Creek Subbasins with total production reaching 99,843 acre-feet per year (AFY) in 2020.[70] According to the 2020 Coachella Valley Regional Urban Water Management Plan, a planning document for water supply and demand prepared for six urban water suppliers serving the Coachella Valley, the total water supply is projected to be approximately 137,061 AFY in 2025 including recycled water. Water supply demand would be expected to consume the entire supply.

The Project would implement various modernization improvements to the existing school, including the installation of water efficient restroom facilities and drought tolerant landscaping. Additionally, the Project would not increase facility operations. Additionally, the Project site has not historically been used for groundwater recharge, and project implementation would not result in depleting existing groundwater supplies that could affect groundwater recharge. Additionally, no groundwater wells or other potential sources of groundwater are located on or near the Project.[71] Therefore, impacts to groundwater supplies and recharge would be less than significant.

Mitigation Measures: No mitigation measures would be required.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:

i. result in substantial erosion or siltation on or off site;

Less than Significant Impact. The closest river is Whitewater Channel, which is approximately two miles south of the Project site.[72] The Project would improve on-site drainage. The Project proposes hardscape and landscape improvements that would redirect stormwater flow away from buildings and doorways and into existing inlets that would connect to the on-site storm drain system. The existing inlets would be

70 Coachella Valley Water District, 2020 Coachella Valley Regional Urban Water Management Plan. http://cvwd.org/DocumentCenter/View/5482/Coachella-Valley-RUWMP. Accessed July 2021.

71 California Department of Conservation, Well Finder, https://maps.conservation.ca.gov/doggr/wellfinder/#/-116.44065/33.83320/14. Accessed July 2021.

72 USFWS, National Wild and Scenic Rivers System, https://rivers.gov/. Accessed July 2021.

replaced with new grates to reduce blockage by debris. The Project also includes installing inlets and underground pipes around the proposed permanent building that would connect to the existing system, which releases stormwater onto the school field, north of the school buildings. The Project would reduce on-site ponding that causes erosion and siltation. The Project would not impact streams or rivers. Impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;

Less than Significant Impact. The Project would increase the amount of impervious surfaces on the Project site, mainly in the area of the proposed permanent building; the increased surface runoff near the new building would be collected by new inlets and pipes that would be connected to the Project site's existing on-site stormwater collection system. The Project hardscape and landscape improvements and new inlet hardware would also improve stormwater collection around the existing school buildings. The Project would reduce ponding that currently occurs at the Project site and have a beneficial impact. Therefore, flooding impacts caused by surface runoff would be less than significant.

Mitigation Measures: No mitigation measures required.

iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff;

Less than Significant Impacts. The increased stormwater runoff caused by impervious areas from the proposed building would be collected in new inlets and pipes around the building that would be released into the school fields. The Project includes expanding the personal vehicle and bus loading areas. As the Project would not increase enrollment capacity, the same types and amounts of pollution sources that are currently generated at the Project site would be the same. Stormwater would be collected by on-site basins and directed through the site's drainage system. The Project would not increase the sources of polluted runoff. Impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

iv. impede or redirect flood flows?

Less than Significant Impacts. The Project site does not intersect nor is it within the vicinity of any streams or rivers. The existing drainage system at the campus would be improved as part of the Project to redirect stormwater away from buildings and doorways and replacement storm drain hardware. Stormwater collected on the Project site would be released in the school field. The Project would reduce ponding on the Project site and would not impede or redirect flood flows. Impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

d. In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

No Impact. The Project site is designated as "Area of Minimal Flood Hazard" Zone X within the Federal Emergency Management Agency.[73] Additionally, the Project site is not located near the ocean or any large enclosed or semi-enclosed bodies of water. Therefore, the Project site is not within designated tsunami or seiche zones. In the unlikely event of project inundation, the Project would not release pollutants into waterbodies. No impact would occur.

Mitigation Measures: No mitigation measures required.

e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than Significant Impact. Under the California Water Code, the State of California is divided into nine regional water quality control boards (RWQCBs), which govern the implementation and enforcement of the California Water Code and the Clean Water Act. The Project is located within the Colorado River Basin RWQCB region which provides the Water Quality Control Plan for the Colorado River Basin (Basin Plan). This plan is designed to preserve and enhance water quality and protect the beneficial uses of all regional waters. Specifically, the Basin Plan (i) designates beneficial uses for surface and ground waters, (ii) sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the State's antidegradation policy, and (iii) describes implementation programs to protect all waters in the Region.[74] In addition, the Basin Plan incorporates all applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations.

As discussed in **Section 5.10.a**, the District would comply with applicable federal, State, and local regulations and obtain required permits from the Colorado River Basin RWQCB. Construction and operation of the Project would adhere to the Basin Plan and would not conflict with or obstruct the implementation of the plan resulting in less than significant impacts.

Mitigation Measures: No mitigation measures required.

73 FEMA, "National Flood Hazard Layer (NFHL)," https://msc.fema.gov/. Accessed July 2021.

74 State of California CRBRWQCB, Water Quality Control Plan for the Colorado River Basin Region, https://www.waterboards.ca.gov/coloradoriver/water_issues/programs/basin_planning/. Accessed July 2021.

5.11 LAND USE AND PLANNING

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
LAND USE AND PLANNING – Would the project:					
a.	Physically divide an established community?	☐	☐	☒	☐
b.	Conflict with applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

Discussion

a. Physically divide an established community?

Less than Significant Impact. The Project consists of upgrades and modernization improvements at the existing JWMS campus. Project development would not divide any established residential communities as development would occur within a developed campus. No new roadways or infrastructure that would bisect or transect the surrounding neighborhoods would be required. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

b. Conflict with applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Less than Significant Impact. The City's General Plan designates the campus as "P/S" for school use, with a zoning designation of "R1" for Single-Family Residential.[75] The Project is an allowed use under the P/S land use designation and zoning. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

75 Cathedral City, Planning Services, "Maps," https://www.cathedralcity.gov/services/planning/maps. Accessed July 2021.

5.12 MINERAL RESOURCES

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
MINERAL RESOURCES – Would the project:					
a.	Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?	☐	☐	☐	☒
b.	Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Discussion

a. Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?

No Impact. According to the Riverside County General Plan Multipurpose Open Space Element, the Project site is located within Mineral Resource Zone 3 (MRZ-3).[76] This designation indicates an area where development has limited the ability to determine the presence or amount of mineral resources. There have been no known records of mineral resources within the Project site and the existing site is already developed. As such, there would be no disruption of existing mining operations, and there would be no loss of availability of a known mineral resource.

Mitigation Measures: No mitigation measures are required.

b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. As stated above, the Project site is within MRZ-3. The Project site is developed with a school, and there are no known mineral resource recovery sites in the vicinity. The Project site is also not designated as a mineral resource recovery site.[77] The closest mining operation to the Project site is the Vista Mine located approximately 2.53 miles northeast and is currently listed as an active sand and gravel operation.[78] No impacts would occur.

Mitigation Measures: No mitigation measures are required.

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76 Riverside County General Plan, Multipurpose Open space Element (2015).

77 Cathedral City, General Plan. "Land Use Map." https://www.cathedralcity.gov/home/showpublisheddocument/2813/636245721641900000. Accessed July 2021.

78 California Department of Conservation, "Mines Online Map." https://maps.conservation.ca.gov/mol/index.html. Accessed July 2021.

5.13 NOISE

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
NOISE – Would the project:					
a.	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b.	Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c.	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Discussion

a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less than Significant with Mitigation Incorporated.

Environmental Setting

Human response to noise varies widely depending on the type of noise, time of day, and sensitivity of the receptor. The effects of noise on humans can range from temporary or permanent hearing loss to mild stress and annoyance due to such things as speech interference and sleep deprivation. Prolonged stress, regardless of the cause, is known to contribute to a variety of health disorders. Noise, or the lack thereof, is a factor in the aesthetic perception of some settings, particularly those with religious or cultural significance. Certain land uses are particularly sensitive to noise, including schools, hospitals, rest homes, long-term medical and mental care facilities, and parks and recreation areas. Residential areas are also considered noise sensitive, especially during the nighttime hours. The Project Site is surrounded by open space to the west and north, residential uses to the south, and recreational and residential uses to the east. The JWMS Campus would be considered an on-site sensitive receptor as it would continue to operate during construction. Additionally, the following were identified as off-site sensitive receptors in vicinity of the site:

Site 1: Single Family Residential (R1) uses along 30th Avenue.

Site 2: Single Family Residential (R1) uses along Santoro Drive.

Site 3: Single Family Residential (R1) uses along 30th Avenue and Santoro Drive.

To quantify existing ambient noise levels at the sensitive receptors identified above, short-term noise monitoring was conducted at five (5) locations over 15-minute intervals at each location on January 26, 2021. As shown in **Table 5.13-1: Ambient Noise Measurements**, ambient noise levels ranged from a low of 47.6 dBA at the northern border of the Project Site (Site 4) to a high of 63.5 dBA at southwest corner of 30th Avenue and Muirfield Way (Site 1).

TABLE 5.13-1
AMBIENT NOISE MEASUREMENTS

Location Number/Description		Nearest Use	Time Period	Noise Source	dBA Leq
1	Southwest corner of 30th Avenue and Muirfield Way	Residential	10:49 AM–11:04 AM	Medium vehicle traffic activity along 30th Avenue.	63.5
2	East of Project Site along Santoro Drive	Residential	11:07 AM–11:22 AM	Low vehicle traffic activity along Santoro Drive. Pedestrian activity.	51.3
3	Southeast corner of 30th Avenue and Santoro Drive	Residential	11:25 AM–11:40 AM	Low vehicle traffic activity along 30th Avenue and Santoro Drive. Pedestrian activity.	61.6
4	Northern border of the Project Site	Project Site	11:45 AM–12:00 PM	Light school activities on Project Site.	47.9
5	Western border of the Project Site	Project Site	12:07 PM–12:22 PM	Light school activities on Project Site.	47.6

*Source: Refer to **Appendix G** for noise monitoring data sheets.*
Notes: dBA = A-weighted decibels; Leq = average equivalent sound level.

Local Regulatory Setting

Section 11.96 of the Cathedral City Municipal Code (CCMC) established noise regulations within the City. Section 11.96.030 of the CCMC establishes interior and exterior noise limits for the City which are outlined below in **Table 5.13-2: Cathedral City Exterior Noise Limits**. At the boundary line between a residential property and a commercial and industrial property, the noise level of the quieter zone shall be used.

TABLE 5.13-2
CATHEDRAL CITY EXTERIOR NOISE LIMITS

Land Use	Time Periods	Noise Level Standard (dBA)
Residential	7:00 AM – 10:00 PM	65
	10:00 PM – 7:00 AM	50
Commercial/Industrial	7:00 AM – 10:00 PM	85
	10:00 PM – 7:00 AM	55

Source: Cathedral City Municipal Code, sec. 11.96.030.

To control noise impacts associated with the construction of a proposed Project, the City has established limits to the hours of construction in Section 11.96.070 of the CCMC. Specifically, the City limits construction to the hours of 7:00 AM to 5:30 PM Monday through Friday, and 8:00 AM to 5:00 PM on Saturday, between October 1st through April 30th. Moreover, construction is limited to the hours of 7:00 AM to 5:30 PM Monday through Friday, and 8:00 AM to 5:00 PM on Saturday, between May 1st through September 30th. Construction is prohibited on Sundays and holidays. The CCMC does not establish numeric maximum acceptable construction source noise levels at potentially affected receivers, which would allow for a quantified determination of what CEQA constitutes as the generation of noise levels in excess of standards or as a substantial temporary or periodic noise increase. Therefore, this report identifies a construction noise level threshold to evaluate these potential impacts.

The Federal Transit Administration (FTA) *Transit Noise and Vibration Assessment Manual* identifies detailed assessment criteria including an eight-hour construction noise level threshold of 80 dBA Leq during daytime at residential uses, and 85 dBA Leq during daytime hours at commercial uses.[79] Therefore, this report relies on the FTA daytime noise level threshold of 80 dBA for residential uses.

Construction

Off-Site

Construction activities that would occur during the construction phases would generate both steady-state and episodic noise that would be heard both on and off the Project Site. Each phase involves the use of different types of construction equipment and, therefore, has its own distinct noise characteristics.

The potential noise impact generated during construction depends on the phase of construction and the percentage of time the equipment operates over the workday. However, construction noise estimates

79 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual (September 2018), https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf, accessed June 2021.

used for the analysis are representative of worst-case conditions because it is unlikely that all the equipment contained on site would operate simultaneously. As would be the case for construction of most land use development projects, construction of the Project would require the use of heavy-duty equipment with the potential to generate audible noise above the ambient background noise level. The Project's construction noise levels at the nearest off-site sensitive receptors are shown in **Table 5.13-3: Construction Maximum Noise Estimates**. As shown, construction noise levels would result in a maximum increase of 0.4 dBA at the single-family residential uses along 30th Avenue and Muirfield Way, exceeding the daytime significance threshold of 80 dBA for residential uses.

The Project would comply with the established limits to the hours of construction in Section 11.96.070 of the CCMC. Additionally, to reduce maximum construction noise levels to below 80 dBA, **MM N-2** and **MM N-7** would require optimal muffler systems for all equipment and temporary noise deflector walls which would reduce construction noise levels by approximately 10 dB or more.[80] **MM N-8** requires placement of construction equipment away from sensitive uses. As such, maximum construction noise levels resulting in an increase of 0.4 dB above the significance threshold would be reduced by a minimum of 10 dB to the extent feasible. Off-site construction noise levels would not be considered significant with mitigation.

TABLE 5.13-3
CONSTRUCTION MAXIMUM NOISE ESTIMATES

Site	Nearest Off-Site Building Structures	Distance from Project Site (feet)	Max Leq	Significance Threshold (dBA)	Maximum Noise Increase over Significance Threshold without Regulatory Compliance Measures (dBA)
1	Residential uses along 30th Avenue and Muirfield Way	110	80.4	80.0	+0.4
2	Residential uses along Santoro Drive	645	65.1	80.0	N/A
3	Residential uses along 30th Avenue and Santoro Drive	620	65.4	80.0	N/A

Source: FHWA, RCNM, version. 1.1.
*Refer to **Appendix G** for construction noise worksheets*

80 Federal Highway Administration (FHWA), Special Report—Measurement, Prediction, and Mitigation, updated June 2017, https://www.fhwa.dot.gov/Environment/noise/construction_noise/special_report/hcn04.cfm, Accessed November 2020.

On-Site

Similar to the off-site sensitive receptors, the Project would expose on-site receptors including students and faculty to increased ambient exterior noise levels during construction. Construction noise during the heavier initial periods of construction may reach up to 93.3 dB when measured at a reference distance of 25 feet from the construction activity.[81] **MM N-2** and **MM N-8** would require optimal muffler systems for all equipment and temporary noise deflector walls which would reduce construction noise levels by approximately 10 dB or more.[82] Moreover, **MM N-1** would direct construction activities that result in noise above 65 dB to correspond with the school schedule to minimize noise and vibration impacts when classes are in session, and to avoid critical (testing) periods. Intensive construction activities such as demolition and grading shall be scheduled to occur after 2:30 PM Monday through Friday. As such, on-site construction noise levels would not be considered significant with mitigation.

Operation

As the proposed Project would implement various modernization improvements to existing buildings to meet current code requirements and develop a new structure within existing area of the portable buildings in the northwest corner of campus, the operational noise levels would not substantially change. Impacts would be less than significant.

Mitigation Measures: The following Mitigation Measure shall be implemented.

MM N-1 The District shall direct construction activities that result in noise above 65 dB(a) to correspond with the school schedule to minimize noise and vibration impacts when classes are in session, and to avoid critical (testing) periods. Intensive construction activities such as demolition and grading shall be scheduled to occur after 2:30 PM Monday through Friday.

MM N-2 The District's construction contractor shall ensure that construction equipment is properly muffled according to industry standards and is in good working condition.

MM N-3 The District's construction contractor shall utilize diesel generators and compressors that are listed as "quiet units" by the manufacturer.

MM N-4 For all noise- and vibration-generating construction activity on the Project Site, the District's construction contractor shall employ additional noise and vibration attenuation techniques to reduce noise and vibration levels. Such techniques may include but are not

81 Refer to Appendix G for construction noise worksheets

82 Federal Highway Administration (FHWA), Special Report—Measurement, Prediction, and Mitigation, updated June 2017, https://www.fhwa.dot.gov/Environment/noise/construction_noise/special_report/hcn04.cfm, Accessed November 2020.

limited to the use of sound blankets on noise-generating equipment and the construction of temporary sound barriers between construction sites and nearby sensitive receptors.

MM N-5 The District's construction contractor shall turn off all idling equipment when not in use for more than 5 minutes.

MM N-6 The District's construction contractor shall disconnect backup alarms on vehicles that require them.

MM N-7 The District's construction contractor shall utilize temporary noise deflector walls during construction, where feasible.

MM N-8 The District's construction contractor shall place noise- and vibration-generating construction equipment and locating construction staging areas away from sensitive uses, including operating classrooms, where feasible.

Level of Significance Following Mitigation:

With the implementation of the above mitigation measures, noise generated during project construction would result in a less than significant impact.

b. Generation of excessive groundborne vibration or groundborne noise levels?

Less than Significant Impact.

Construction

Off-Site

Construction machinery and operations can generate varying degrees of ground vibration, depending on the construction procedures and the construction equipment used. The operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings located in the vicinity of a construction site often varies depending on soil type, ground strata, and construction characteristics of the receptor buildings. The results from vibration impacts can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at its highest levels. Ground-borne vibration from construction activities rarely reaches the levels that damage structures. Potential building damage occurs when construction activities cause ground-borne vibration levels to exceed 0.5 inches-per second peak particle velocity (PPV) at the nearest off-site sensitive receptors.

Table 5.13-4: Construction Vibration Impacts—Building Damage present construction vibration impacts associated with on-site construction in terms of building damage. As shown in **Table 5.13-4**, the forecasted vibration levels due to on-site construction activities would not exceed the building damage significance threshold at the nearby sensitive receptors. As such, off-site construction vibration impacts would be less than significant.

TABLE 5.13-4
CONSTRUCTION VIBRATION IMPACTS—BUILDING DAMAGE

Nearest Off-Site Building Structures	Estimated Vibration Velocity Levels at the Nearest Off-Site Structures from the Project Construction Equipment						Significance Threshold (PPV ips)
	Vibratory Roller	Large Bulldozer	Caisson Drilling	Loaded Trucks	Jack-hammer	Small bulldozer	
FTA Reference Vibration Levels at 25 feet							
	0.210	0.089	0.089	0.076	0.035	0.003	—
Residential uses along 30th Avenue and Muirfield Way (110 Feet)	0.023	0.010	0.010	0.008	0.004	0.003	0.5
Residential uses along Santoro Drive (645 Feet)	0.002	0.001	0.001	0.001	0.000	0.003	0.5
Residential uses along 30th Avenue and Santoro Drive (620 Feet)	0.002	0.001	0.001	0.001	0.000	0.000	0.5

Source: US Department of Transportation, Federal Transportation Authority, Transit Noise and Vibration Impact Assessment
*Source: Refer to **Appendix G** for construction vibration worksheets.*

On-Site

Similar to the off-site sensitive receptors, the Project would expose on-site buildings to increased vibration levels during construction. As shown in **Table 5.13-4** above, the forecasted vibration levels due to on-site construction activities would not exceed the building damage significance threshold at a reference distance of 25 feet. Nevertheless, **MM N-1** through **MM N-8** (above) and **MM N-9** and **MM N-10** (below) would further lessen construction-related vibration levels. As such, on-site vibration impacts would be less than significant.

Operation

The proposed uses would be stationary and would not generate significant groundborne vibration or groundborne noise levels. As such, the Project's operational vibration impacts would be less than significant.

Mitigation Measures: Though not required to reduce vibration impacts caused by Project construction, the District will implement **MM N-1** through **MM N-8** listed above and **MM N-9** and **MM N-10** to further limit vibration impacts.

MM N-9 Notification shall be provided to all occupied residences within 200 feet of an area where construction activities may result in ground-borne vibration of more than 80 VdB, at least 10 days in advance of such activities.

MM N-10 Before any site activity, the contractor shall be required to submit a material haul route plan to the City for review and approval. The contractor shall ensure that the approved haul routes are used for all materials hauling, to minimize exposure of sensitive receivers to potential adverse noise levels from hauling operations.

c. For a project located within the vicinity of a private airstrip or an airstrip land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact.

The Project Site is not within the vicinity of a private airstrip or an airport land use plan. The closest airport to the Project Site is the Palm Springs International Airport located approximately 2.4 miles northeast of the Project Site. Therefore, the Project is not within two miles of a public airport or public use airport that would expose people residing or working in the Project area to excessive noise levels. Additionally, the Project would not increase enrollment capacity or operations at the Project site. Consequently, no impacts associated with noise would result from the Project.

Mitigation Measures: No Mitigation Measures are required.

5.14 POPULATION AND HOUSING

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
POPULATION AND HOUSING – Would the project:					
a.	Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b.	Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
c.	Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Discussion

a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact.

The Project would modernize an existing middle school for the purpose of maintaining the school for community use. It would not increase enrollment capacity at the school or involve the development of new homes or businesses. As such, it would not introduce new population to the area. No impacts would occur as a result of the Project.

Mitigation Measures: No mitigation measures are required.

b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. No housing exists on the project site, since the site is located on an already developed school campus. The Project will also not demolish existing housing in the area. The Project site would not expand into the surrounding development and would not require the movement of already established housing. Therefore, the Project would not displace any existing people or housing, and no impacts would occur.

Mitigation Measures: No mitigation measures are required.

c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No Impact. The Project site is developed with a school campus, and Project implementation would not displace existing housing or people. The number jobs and types of jobs provided by the campus would not also remain the same. Therefore, the Project would not displace any people, jobs, or housing. No impacts would occur.

Mitigation Measures: No mitigation measures would occur. and bus loading zones

5.15 PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
PUBLIC SERVICES				
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a. Fire protection?	☐	☐	☒	☐
b. Police protection?	☐	☐	☒	☐
c. Schools?	☐	☐	☒	☐
d. Parks?	☐	☐	☐	☒
e. Other public facilities?	☐	☐	☐	☒

Discussion

a. Fire protection?

Less Than Significant Impact. Fire protection and emergency medical services in the City are provided by Cathedral City Fire Department (CCFD). The nearest station to the project site is Fire Station 412 (Cathedral City) located at 32100 Desert Vista Rd, approximately 1.15 miles southwest from the proposed Project. Fire Department staff includes 43 sworn fire personnel (42 firefighters and 1 Fire Chief), including 14 on-duty, 2 administrative personnel and 1 full-time fire inspector.[83]

During construction and subsequent operation, the Project would not interfere with any of the daily operations of the City's Emergency Plans, nor would it require additional staff from the CCFD. All construction activities, including staging, would occur on JWMS site and be performed per the District's, City's, and CCFD standards and regulations. Construction activities would not cause any road closures and in effect would not decrease CCFD's accessibility to JWMS and the surrounding development. Project development would neither increase nor decrease the number of students and faculty on site. Impacts associated with fire protection would be less than significant.

Mitigation Measures: No mitigation measures are required.

b. Police protection?

Less Than Significant Impact. Police protection services in the City are provided by the Cathedral City Police Department, which is located within the City Hall Building at 68700 Avenida Lalo Guerrero,

83 Cathedral City, General Plan (2040 Update). "Public Services and Facilities Element." https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000. Accessed July 2021.

approximately 4.4 miles southwest of the Project site. The Department is staffed by 52 sworn officers, 35 non-sworn support and administrative personnel, and 6 reserve officers.[84] The PSUSD also has a Security Department specifically assigned to 16 elementary schools, 5 middle schools, 4 comprehensive high schools, 1 continuation high school, and an alternative education program within the District. School security personnel work collaboratively with allied law enforcement agencies to ensure the safety of students and staff.[85]

Security would be provided by campus security guards during construction. All construction workers would be required to wear identification badges and checked in through the school office prior to each day's construction activities. Construction areas would be separated from the rest of the campus by temporary fencing, secured by locks and security guards. Students participating in academic activities would not be able to access the areas of the campus undergoing construction activities. When school is not in session the construction areas would be secured by temporary fencing and locked gates. Additional security and safety measures may be implemented to further secure the campus during and outside of school operational hours.

The Project would not change the number of students or faculty on site. No additional law enforcement services would be necessary. Project development would not require the construction of new or expanded police facilities and impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

c. Schools?

Less Than Significant Impact. The Project would not generate new students that would need school facilities. On the contrary, development of the Project would improve and upgrade current facilities on JWMS campus. As such, impacts to school facilities would be less than significant.

Mitigation Measures: No mitigation measures are required.

d. Parks?

No Impact. Demand for parks and recreational facilities are usually determined by an area's population. Considering that the Project would not generate additional population or involve construction of dwelling units, the demand for park facilities would remain the same. Therefore, no impacts would occur.

Mitigation Measures: No mitigation measures are required.

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84 Cathedral City, General Plan (2040 Update). "Public Services and Facilities Element." https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000. Accessed August 2021.

85 Palm Springs Unified School District, Security Department, https://www.psusd.us/Page/234. Accessed August 2021.

e. Other public facilities?

No Impact. Since the Project would not increase the local population, number of students, or number of faculty on site, it would not cause a need for other government facilities, such as libraries. A public library is at 33520 Date Palm Dr., approximately 2.1 miles south of the Project site. Development of the Project would not require the construction of new or expanded library facilities, and the demand for library services would remain the same. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

5.16 RECREATION

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
RECREATION – Would the project:					
a.	Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b.	Include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	☐	☐	☒	☐

Discussion

a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Less Than Significant Impact. Demand for parks and recreational facilities are usually determined by the area's population. Existing recreational facilities in the City include 11 parks for a total of 73.23 acres.[86] The Dennis Keat Soccer Park is located adjacent to the Project site to the east and includes a total of 19.25 acres of recreational space. Implementation of the Project would only upgrade and modernize existing facilities without increasing local population, student capacity, employment opportunities, or housing. Therefore, demand for recreational facilities would remain the same, and no substantial physical deterioration of the existing facilities would occur due to implementation of the Project. There may be possible short-term impacts to recreational facilities on school property if recreational facilities are open to the public off school hours or for local programs. These would be temporarily unavailable during construction.

During the construction of the Project, short-term related effects may occur due to the possible use of the Dennis Keat Soccer Park for breaks during the workday. However, as workers would typically commute to work on the Project site and leave the local area after the workday, this use would be negligible. Additionally, the recreational facilities in the vicinity of the Project site would continue to be operational during construction so there would be no overcrowding of other nearby parks.

86 Cathedral City, General Plan (2040 Update). "Parks and Recreation Element." https://www.cathedralcity.gov/home/showpublisheddocument/8159/636989460828370000. Accessed July 2021.

Therefore, demand for recreational services on a short-term and long-term basis would remain the same, and deterioration to recreational facilities would not occur.

Mitigation Measures: No mitigation measures are required.

b. Include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

No Impact. Development of the Project would update and modernize existing facilities on campus, including on-site recreational facilities. No off-site recreational facilities have been proposed, and no expansion of existing recreation facilities would be required. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

5.17 TRANSPORTATION AND TRAFFIC

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
TRANSPORTATION/TRAFFIC – Would the project:					
a.	Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☒	☐	☐
b.	Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c.	Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d.	Result in inadequate emergency access?	☐	☐	☒	☐

Discussion

a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and nonmotorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

Less than Significant Impact with Mitigation Incorporated.

Construction

Short-term increases to traffic would occur during the construction phase of the Project. Date Palm Drive is a City-designated truck route.[87] Due to the proximity of the Project site to I-10 freeway, most construction workers would access the Project site from I-10, take the southbound Date Palm Drive exit, turn eastbound on 30th Avenue, and turn north on San Eljay Avenue. Construction workers typically arrive and leave work sites between 7:30 AM and 4:30 PM, and not during peak school hours (8 AM to 3 PM), thus minimizing any traffic increases for students, parents, and faculty.

87 Cathedral City, Engineering Department. Truck Route Map. 2020, August. chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fwww.cathedralcity.gov%2Fhome%2Fshowdocument%3Fid%3D403&clen=152454

As shown in **Table 5.17-1: Construction Trips**, Project implementation would be phased. The greatest number of trips would occur during grading activities under Phase 1 of the Project. Development of the proposed new building's foundation would require soil import. Approximately 500 haul trucks would be used over a duration of 22 days; 23 haul trucks would access the site daily during this period. As shown in **Table 5.17-1**, construction activities could generate up to 53 daily trips. This number is less than the average daily trips for normal school operations. Nevertheless, to ensure that construction related traffic does not interfere with school and ambient traffic, mitigation measures **MM TRA-1** through **MM TRA-2,** will be implemented to ensure impacts are below significance.

TABLE 5.17-1
CONSTRUCTION TRIPS

Construction Phase	Daily Worker Trips	Daily Vendor Trips	Total Haul Trips	Ave Daily Trips
Phase 1				
Demolition	13	0	40	53
Grading	15	0	500[a] (23 per day)	38
Building Construction	11	4	0	15
Paving/Landscaping	10	0	0	10
Architectural Coating	2	0	0	2
Phases 2-4				
Demolition	13	0	49	62
Building Renovations	33	13	0	46
Phases 5-6				
Building Renovations	2	1	0	3
Paving/Landscaping	10	2	0	12

*Refer to **Appendix A: Air Quality CalEEMod Output Sheets**.*
[a] Per email correspondence with Brian Leonard on August 24, 2021, assumed 10,000 cubic yards of soil import with 20 cy haul trucks.

Operation

As the Project would not change JWMS school operations and programs, and no new vehicle trips would be generated by the Project, the Project would not impact on transportation and circulation. Project operations would not conflict with the City circulation plans, ordinances, or policies, or the performance of the surrounding roadway. Impacts would be less than significant.

Mitigation Measures: The following mitigation measures would reduce construction-related traffic impacts:

MM TRA-1 The District shall include in its executed construction contracts and final construction plans limitations on construction-related vehicle access to the Project site. When school is in session, construction vehicles shall be prohibited from arriving to or departing from Workman Middle School 30 minutes before and after the morning and afternoon bells.

MM TRA-2 Prior to the start of construction and demolition activities, the construction contractor shall prepare a Traffic Control Plan based on specific conditions and anticipated work zone safety and mobility impacts. The Plan shall be submitted to the District and City for review, as appropriate. The Plan shall include the following elements:

- Identify the steps necessary to maintain public and worker safety and minimize construction-related traffic delay;
- Include provisions for accessing the campus throughout the proposed demolition and construction process;
- Restriction on the hours during which traffic lanes may be closed, as well as on the number of traffic lanes that may be closed at any one time;
- Designation of an off-site school drop-off and parking area from which students, faculty, and staff would be transported to the campus via shuttle service.

b. Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Less Than Significant Impact. CEQA Guidelines Section 15064.3 was developed in response to Senate Bill 743, which eliminated auto delay, LOS, and similar measures of vehicular capacity or traffic congestion as a basis for determining significant impacts. The new criteria "shall promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses" (PRC Section 21099(b)(1)). Vehicle miles traveled (VMT) is the new indicator of the travel levels on the roadway system by motor vehicles. The Project would improve an existing middle school campus and would not expand the existing enrollment capacity or change school operations. The JWMS and the Project—by maintaining the existing campus with sustainable features and continuing to accommodate the surrounding community needs—would not conflict or be inconsistent with CEQA Guidelines section 15064.3(b). Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

c. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. The Project would not propose any new roadways, circulation changes, and or design features with sharp curves or dangerous intersections. Driveway access to the JWMS campus and bus loading zones on campus would remain the same.

Existing emergency access to the Project Site and nearby sensitive uses would not be altered or disrupted under construction and operational phases and no changes to off-site roadway system would be necessary. The Project would not cause an increase in hazards. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

d. Result in inadequate emergency access?

Less than Significant Impact. As mentioned in threshold c, the Project would not alter or disrupt emergency access roadways. The Project would not alter the existing fire access lane on the Project site; however, the proposed permanent building would be placed adjacent to the fire lane. The Project would not change the roadway system, and construction activities would not require lane closures of nearby roadways. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

5.18 TRIBAL CULTURAL RESOURCES

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Tribal Cultural Resources – Would the project:					
a.	Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i.	Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in PRC section 5020.1(k), or	☐	☐	☐	☒
ii.	A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

Discussion

a. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in PRC section 5020.1(k), or

No Impact. "Tribal cultural resources," as defined in PRC Section 21074, are sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe. Additionally, PRC section 5020.1(k) defines "local register of historical resources" as a list of properties officially designated or recognized as historically significant by a local government pursuant to a local ordinance or resolution. As discussed in **Section 5.5: Cultural Resources**, the Project site is not on a

local historic landmark list, the California Historical Landmarks register, or the California Points of Historical Interest register. The Project site was constructed in 1992 and is developed with school facilities that do not display distinctive characteristics of a type, period, region, or method of construction. The school was built based on the need and growth of the community. According to a qualified architectural historian, because the Project site is less than 50 years of age, neither the permanent school buildings nor the campus itself has achieved sufficient age to be considered eligible for listing in the National Register of Historic Places (See **Appendix C.2: PSUSD School Major Renovations Correspondence**). As documented, the Project site is not listed or eligible for listing as a historic resource. No impact would occur.

Mitigation Measures: No mitigation measure is required.

ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Less than Significant Impact with Mitigation Incorporated. Public Resource Code Section 5024.1(c) includes criteria to be used for listing a resource in the California Register. As discussed above, the Project site is not listed or eligible for listing as a historic resource. Notwithstanding, as discussed in **Section 5.5**, a records search was conducted with the California Historic Resource Information System (CHRIS) (see **Appendix C**). One historic period built-environment resource: the Union Pacific Railroad/Southern Pacific Railroad was identified one-half mile north of the Project site. No other historic, prehistoric, built environmental, or tribal cultural resource was identified in the records search. A Sacred Lands File (SLF) search conducted by the Native American Heritage Commission (NAHC) concluded that the Project site is not sacred lands. Review of the Cathedral City 7.5-minute USGS Topographic Quadrangle Map, however, depicts the Project site within the Agua Caliente Indian Reservation. The Project site contains an operating middle school. No cultural resources, including tribal cultural resources, were discovered when the site underwent construction of the current development in the early 1990s, nor have any been identified since. As the Project's earthmoving activities would occur in previously graded and developed portions of the campus, it is unlikely that subsurface items would be discovered during construction.

Assembly Bill 52 (AB 52) establishes a formal consultation process for California Native American tribes on development projects. On August 4, 2021, the District notified tribes of the opportunity to consult (See **Appendix H** for tribal letters and responses). There were no responses that requested consultation with the District. Notwithstanding the unlikely discovery of subsurface items, during construction activities, the District will implement **MM TCR-1** and **MM TCR-2** to ensure that items and materials unearthed during construction are properly evaluated for their consideration as tribal cultural resources.

Mitigation Measures: The below mitigation measures would reduce potentially significant impacts to tribal cultural resources to below significance.

MM TCR-1 Should unknown subsurface items become unearthed, the District and/or its construction contractor shall cordon off and protect the area of the find from further disturbance until a qualified archeologist and/or tribal representative is retained to investigate the discovery. The qualified archaeologist and/or tribal representative shall prepare a findings report summarizing the methods and results of the investigation, including an itemized inventory and detailed analysis of recovered artifacts upon completion of field and laboratory work. The report shall include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all tribal finds. The submittal of the report to the District and Tribal representative, as appropriate, along with final curation of the recovered artifacts, will signify completion of the monitoring program and, barring unexpected findings of extraordinary significance, the mitigation of potential project impacts on tribal cultural resources.

MM TCR-2 Should buried human remains be discovered during grading or other construction activity, in accordance with State law, the County coroner shall be contacted. If the remains are determined to be of Native American heritage, the Native American Heritage Commission and the appropriate local Native American Tribe shall be contacted to determine the Most Likely Descendant (MLD).

5.19 UTILITIES AND SERVICE SYSTEMS

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
UTILITIES AND SERVICE SYSTEMS – Would the project:					
a.	Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water, drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b.	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c.	Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d.	Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e.	Comply with federal, State, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Discussion

a. Require or result in the relocation or construction of new water or expanded water, wastewater treatment or stormwater, drainage, electric power, natural gas, or telecommunications facilities, the construction of which relocation could cause significant environmental effects?

Less than Significant Impact. The Project site is currently connected to basic utilities, including electricity, natural gas, telecommunications, water, and sewage. As discussed in the **Section 5.10: Hydrology**, the Project site is developed with an underground storm drain system that releases collected stormwater onto the school field. The proposed new building would tie into the existing utility system on the campus, and as needed, the proposed modernization improvements would upgrade existing on-site utility systems, including the replacement of roof drains and improving all existing plumbing fixtures to current codes and standards. As the Project would not increase the capacity of JWMS or add new programs, the Project would not increase the demand for additional utility systems, and the existing utilities would be sufficient. The Project would not trigger the need for new or expanded utility systems.

Furthermore, the Project would be constructed to meet Title 24 and CalGreen requirements; consequently, the Project would result in more efficient systems. Compared to existing conditions, the Project would have a reduced demand on scarce resources, such as water and energy. The Project would not require or result in the relocation or construction of new utilities and impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less than Significant Impact. The Coachella Valley Water District (CVWD) provides water to the Project site. The Project would renovate and upgrade existing buildings to become modernized facilities. The Project would involve construction of a new building to replace old portable structures and renovations to existing buildings; these improvements would be constructed to meet Title 24 and CalGreen requirements, including the installation of water efficient plumbing facilities. The Project would not increase the demand on water and wastewater. On the contrary, the Project would result in more efficient systems. Compared to existing conditions, the Project would have a reduced demand on scarce resources, including water and have a beneficial impact on water supplies. The Project would not create a larger demand on CVWD's water supply, and impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

c. Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less than Significant Impact. The Project would not generate industrial wastewater or new point sources of wastewater that would require permits from the Colorado River Basin Regional Water Quality Control Board. Additionally, Project development would not increase the number of school occupants and would not require the construction or expansion of wastewater treatment facilities. There would be no change in operations from existing conditions to the proposed Project and therefore the capacity of wastewater treatment would not change. Any impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less than Significant Impact. Burrtec Waste Industries Inc. provides trash collection and recycling services to the City, including the Project site.[88] The Project would generate construction waste and will comply with the California Green Building Standards Code, which requires that at least 65 percent of waste created by construction and demolition activities will be recycled or salvaged.[89] Solid waste generation during operation of the Project would be similar to existing conditions since the Project does not proposed operational changes. The Project would meet the requirements of waste diversion and would not generate solid waste in excess of State standards. Impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

e. Comply with federal, State, and local statutes and regulations related to solid waste?

Less than Significant Impact. Construction and operation of the Project would comply with federal, State, and local statues and regulations related to solid waste. Solid waste generated by the proposed Project would not interfere with the California Integrated Waste Management Act, which requires that local municipalities implement programs to divert at least 50 percent of their solid waste from landfills. As such, impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

88 Cathedral City, "Utilities." https://www.cathedralcity.gov/residents/utilities. Accessed July 2021.

89 Cathedral City Municipal Code. Title 8. Ch. 8.04. Sec. 8.04.010.

5.20 WILDFIRE

If located in or near State responsibility areas or lands classified as very high fire hazard zones, would the project:		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a.	Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b.	Due to slope, prevailing winds, and other factors, exacerbate wildlife risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c.	Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d.	Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

Discussion

a. Substantially impair an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The Project Site and surrounding areas are within a Local Responsibility Area (SRA), classified as Non-VHFHSZ (Very High Fire Hazard Severity Zone).[90] Date Palm Drive and Interstate-10, near the Project site, are major intercity and regional access routes serving the City and are used by emergency personnel and for emergency evacuation.[91] The Project would not directly impact these roadways. Proposed improvements would occur on site. Project construction may impact the segments of 30th Avenue and San Eljay Avenue, adjacent to the campus. The impacts would be temporary. The Project would not substantially impair an emergency response plan or evacuation plan. Impacts are less than significant.

Mitigation Measures: No mitigation measures are required.

90 Cathedral City, Draft Comprehensive General Plan. Accessed July 2021. https://files.ceqanet.opr.ca.gov/237884-2/attachment/DOYwP9WrHQ6VkR8giBqMmkskA8Vri7v8X1UUUEQBl9u-NZ_-V1QAGIPJaWo2Mld_Pd8Rvhfvw4ErNN9_0.

91 Cathedral City. Local Hazard Mitigation Plan. 2021, August. chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fwww.cathedralcity.gov%2Fhome%2Fshowpublisheddocument%2F6307%2F636281056559930000&clen=2488510

b. Due to slope, prevailing winds, and other factors, exacerbate wildlife risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No Impact. The Project involves modernizing an existing school in a residential community. The Project site is in a Non-VHFHSZ. Therefore, project implementation would not exacerbate wildlife risks due to wildfire. No impact would occur.

Mitigation Measures: No mitigation measures are required.

c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No Impact. The Project involves modernization of an existing school in a residential community. Urban improvements exist east and south of the Project site. Vacant open spaces are west and north and contain sparse desert shrubs; these areas are zoned residential. The Project does not propose or require improvements or maintenance of infrastructure that would exacerbate fire risk. No impact would occur.

Mitigation Measures: No mitigation measures are required.

d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less Than Significant Impact. As discussed in **Section 5.7**: **Geology and Soils**, and **Section 5.10**: **Hydrology and Water Quality**, the Project site is relatively flat and is not in an area susceptible for landslides, or within a flood zone. Furthermore, the site is in a LRA that is not in a VHFHSZ area. The proposed improvements at JWMS would not expose Project occupants and structures to risks caused by fire-related runoff, post-fire slope instability, or drainage. Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

5.21 MANDATORY FINDINGS OF SIGNIFICANCE

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
MANDATORY FINDINGS OF SIGNIFICANCE – Does the project:					
a.	Have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b.	Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c.	Have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

Discussion

a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less than Significant Impact with Mitigation Incorporated. The Project site is surrounded by vacant land to the west and north and urban development to the south and east. As discussed in **Section 5.4: Biological Resources**, the Project site is entirely developed and disturbed with school facilities and operations, and proposed improvements are away from the undeveloped areas to the north and west. Nevertheless, it is possible that migratory birds access the Project site. Preconstruction surveys will be required under mitigation measure **MM BIO-1**. Implementation of this mitigation measure would reduce potentially significant impacts to the protected species.

With respect to cultural resources, Project improvements would be implemented in areas that have been graded and developed with school uses. In the unlikely event that ground-disturbing activities result in the accidental discovery of archaeological resources, the District will comply with PRC Section 21083.2(i). In the event of an accidental discovery of human remains, the District will comply with Government Code Section 27460 et seq., PRC Section 5097.98, and California Health and Safety Code Section 7050.5. Furthermore, **MM TCR-1** and **MM TCR-2** would ensure that any subsurface Native American resources are protected accordingly and reduce Project impacts on tribal cultural resources to less than significant.

Mitigation Measures: The following mitigation measures are proposed to reduce impacts to less than significant level.

Biological Resources

MM BIO-1: Pre-Construction Surveys for Migratory Birds (including avoidance if found)

If ground disturbance, tree or plant removal is proposed between February 1st and August 31st, a qualified biologist shall conduct a nesting bird survey within 7 to 10 days of initiation of grading on site focusing on covered species. If active nests are reported, then species-specific measures shall be prepared. At a minimum, grading in the vicinity of a nest shall be postponed until the young birds have fledged. For construction between September 1st and January 31st, no pre-removal nesting bird survey is required.

In the event active nests are found, exclusionary fencing shall be placed 200 feet around the nest until such time as nestlings have fledged. Nests of raptors and burrowing owls shall be provided a 500-foot buffer. Ground disturbance between September 1 and January 31 shall be exempt from this requirement.

MM TCR-1 Should unknown subsurface items become unearthed, the District and/or its construction contractor shall cordon off and protect the area of the find from further disturbance until a qualified archeologist and/or tribal representative is retained to investigate the discovery. The qualified archaeologist and/or tribal representative shall prepare a findings report summarizing the methods and results of the investigation, including an itemized inventory and detailed analysis of recovered artifacts upon completion of field and laboratory work. The report shall include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all tribal finds. The submittal of the report to the District and Tribal representative, as appropriate, along with final curation of the recovered artifacts, will signify completion of the monitoring program and, barring unexpected findings of extraordinary significance, the mitigation of potential project impacts on tribal cultural resources.

MM TCR-2 Should buried human remains be discovered during grading or other construction activity, in accordance with State law, the County coroner shall be contacted. If the remains are determined to be of Native American heritage, the Native American Heritage Commission and the appropriate local Native American Tribe shall be contacted to determine the Most Likely Descendant (MLD).

b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less than Significant Impact with Mitigation Incorporated. In addition to the Project, the District continues to maintain and modernize other schools that it operates. Where applicable, the analysis conducted in the Initial Study considers the environmental effects of the other schools, as well as other past, other current, and probable future development projects. With the incorporation of the mitigation measures specified herein, the Project would not result in environmental impacts that are individually limited but cumulatively considerable. Therefore, impacts are less than significant with mitigation.

Mitigation Measures:

See Mitigation Measures listed above in **Section 5.21(a)** and below **Section 5.21 (c)**.

c. Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

Less than Significant Impact with Mitigation Incorporated. The Project's potential impacts to air quality, greenhouse gas emissions, hazards and hazardous materials, traffic, and other environmental issues have been evaluated and found that development and operation of the Project would result in less than significant adverse effects on human beings, either directly or indirectly.

Although the Project does not involve the destruction of any existing buildings that might contain hazardous materials, the following mitigation measures **MM HAZ-1** and **MM HAZ-1.a** through **1.c** are proposed to prevent the potential of a significant hazard. Further, although noise during construction would comply with designated hours of construction, **MM N-1** through **MM N-8** would be implemented to further reduce noise levels to below 80 dBA and **MM N-9** and **MM N-10** to further limit vibration impacts. **MM TRA-1** through **MM TRA-2** would be implemented during construction to mitigate potential discoveries of tribal cultural resources. Finally, **MM TRA-1** through **MM TRA-2** would be implemented to minimize potential impacts related to construction traffic. Implementation of these mitigation measures

would limit potential effects that construction and operation of the Project could have on human beings. With mitigation, impacts would be less than significant.

Mitigation Measures: The following mitigation measures are proposed to reduce impacts to less than significant level.

HAZARDS AND HAZARDOUS WASTE

MM HAZ-1 The District shall retain a qualified expert(s) to determine if the Project site contains any PCB-containing materials, asbestos containing materials, and/or lead based paint. If one or all three of these hazardous materials are determined present on the campus, the District shall remove the hazardous material as specified in **MM HAZ-1.a** for polychlorinated biphenyls, **MM HAZ-1.b** for asbestos containing materials, and/or **MM HAZ-1.c** for lead based paint:

MM HAZ-1.a **Polychlorinated Biphenyls (PCBs).** The removal of PCBs shall be completed in accordance with applicable regulations pursuant to 40 CFR 761. Prior to any demolition/renovation activity, the District shall ensure that all transformers, insulating materials, oil-based paints, and plastics that need to be removed are labeled and sorted as "No PCBs," "Unknown PCB," or "Assumed PCB."

Mercury-containing light ballasts with unknown PCB content shall also be handled in accordance with 40 CFR 273. The ballasts shall be segregated and analyzed for PCB content or assumed to contain PCBs. PCB wastes are regulated as hazardous waste if the total PCB concentration is equal to or greater than 50 mg/kg (50 ppm) and/or the soluble PCB concentration is equal to or greater than 5 mg/L (5 ppm). A limited exemption for PCB-containing ballasts is found in 22 California Code of Regulations 67426.1 et seq. This section allows up to two 55-gallon drums of PCB-containing materials per vehicle to be transported to an authorized location without having to use a hazardous waste manifest or a hazardous waste transporter.

The handling method selected shall be based on the costs associated with the labor to segregate and test the materials versus the additional disposal fees. However, the potential increased risk from handling potentially nonhazardous wastes as hazardous waste shall be carefully considered in the District's decision-making process.

MM HAZ-1.b **Asbestos Containing Materials.** Prior to demolition and construction activities on the Project site, asbestos abatement work shall be performed in compliance with applicable federal, State, and local regulations:

- South Coast Air Quality Management District's Rule 1403
- California Health and Safety Code (Section 39650 et seq.)
- California Code of Regulations (Title 8, Section 1529)

- California Occupational Safety and Health Administration regulations (California Code of Regulations, Title 8, Section 1529)
- Code of Federal Regulations (Title 40, Part 61 [asbestos], Title 40, Part 763 [asbestos], and Title 29, Part 1926 [asbestos and lead])

A scope of work and procedures specifically tailored to the Project shall be prepared and adhered to by the abatement contractor, as directed by the District. The Project-derived asbestos wastes shall be segregated as either "Hazardous" or "Nonhazardous" and handled separately, or combined and handled together as hazardous.

The handling method selected shall be based on the costs associated with the labor to segregate the wastes versus the additional disposal fees. However, the potential increased risk from handling potentially nonhazardous wastes as hazardous shall be considered in the decision-making process.

MM HAZ-1.c **Lead-Based Paint (LBP).** Lead-containing materials shall be handled according to the CCR, Title 8, Section 1532.1, and Title 17, Sections 35001–36100. If lead-based paint is found, the District shall follow all Cal/OSHA procedural requirements and regulations for its proper removal and disposal before general demolition activities commence. Lead wastes are regulated as hazardous waste if the total lead concentration is 1,000 mg/kg (1,000 ppm) or greater and/or the soluble lead concentration is greater than 5.0 mg/L (5 ppm).

NOISE

MM N-1 The District shall direct construction activities that result in noise above 65 dB(a) to correspond with the school schedule to minimize noise and vibration impacts when classes are in session, and to avoid critical (testing) periods. Intensive construction activities such as demolition and grading shall be scheduled to occur after 2:30 PM Monday through Friday.

MM N-2 The District's construction contractor shall ensure that construction equipment is properly muffled according to industry standards and is in good working condition.

MM N-3 The District's construction contractor shall utilize diesel generators and compressors that are listed as "quiet units" by the manufacturer.

MM N-4 For all noise- and vibration-generating construction activity on the Project Site, the District's construction contractor shall employ additional noise and vibration attenuation techniques to reduce noise and vibration levels. Such techniques may include but are not limited to the use of sound blankets on noise-generating equipment and the construction of temporary sound barriers between construction sites and nearby sensitive receptors.

MM N-5 The District's construction contractor shall turn off all idling equipment when not in use for more than 5 minutes.

MM N-6 The District's construction contractor shall disconnect backup alarms on vehicles that require them.

MM N-7 The District's construction contractor shall utilize temporary noise deflector walls during construction, where feasible.

MM N-8 The District's construction contractor shall place noise- and vibration-generating construction equipment and locating construction staging areas away from sensitive uses, including operating classrooms, where feasible.

MM N-9 Notification shall be provided to all occupied residences within 200 feet of an area where construction activities may result in ground-borne vibration of more than 80 VdB, at least 10 days in advance of such activities.

MM N-10 Before any site activity, the contractor shall be required to submit a material haul route plan to the City for review and approval. The contractor shall ensure that the approved haul routes are used for all materials hauling, to minimize exposure of sensitive receivers to potential adverse noise levels from hauling operations.

TRANSPORTATION AND TRAFFIC

MM TRA-1 The District shall include in its executed construction contracts and final construction plans limitations on construction-related vehicle access to the Project site. When school is in session, construction vehicles shall be prohibited from arriving to or departing from Workman Middle School 30 minutes before and after the morning and afternoon bells.

MM TRA-2 Prior to the start of construction and demolition activities, the construction contractor shall prepare a Traffic Control Plan based on specific conditions and anticipated work zone safety and mobility impacts. The Plan shall be submitted to the District and City for review, as appropriate. The Plan shall include the following elements:

- Identify the steps necessary to maintain public and worker safety and minimize construction-related traffic delay;
- Include provisions for accessing the campus throughout the proposed demolition and construction process;
- Restriction on the hours during which traffic lanes may be closed, as well as on the number of traffic lanes that may be closed at any one time;
- Designation of an off-site school drop-off and parking area from which students, faculty, and staff would be transported to the campus via shuttle service.

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8.0 TERMS, DEFINITIONS, AND ACRONYMS

AB	assembly bill
AFY	acre-feet per year
AQMP	Air Quality Management Plan
ASL	above sea level
Basin Plan	Water Quality Control Plan for the Colorado River Basin
BMP	Best Management Practice
CBC	California Building Code
Caltrans	California Department of Transportation
CCFD	Cathedral City Fire Department
CCMC	Cathedral City Municipal Code
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CHRIS	California Historic Resource Information System
CNDBB	California Natural Diversity Database
CNPS	California Native Plant Survey
CO	carbon monoxide
CO2	carbon dioxide
CRBRWQCB	Colorado River Basin Regional Water Quality Control Board
CVAG	Coachella Valley Association of Governments
CVMSHCP	Coachella Valley Multiple Species Habitat Conservation Plan
CVWD	Coachella Valley Water District
DTSC	Department of Toxic Substances Control
EIA	Energy Information Administration
EIC	Eastern Information Center

EIR	Environmental Impact Report
EMFAC	CARB on-road vehicle emissions model
ESA	Endangered Species Act
GC	General Commercial
GHG	greenhouse gases
HCP	Habitat Conservation Plan
HVAC	heating/ventilating/air conditioning
JWMS	James Workman Middle School
LST	Localized Significance Threshold
MM	Mitigation Measure
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Plan
NOx	nitrogen oxide
NPDES	National Pollution Discharge Elimination System
OFFROAD	CARB off-road emissions model
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyl
PM2.5	particulate matter less than 2.5 microns
PM10	particulate matter less than 10 micron
PPV	peak particle velocity
PRC	Public Resources Code
PSUSD	Palm Springs Unified School District
RCALUC	Riverside County Airport Land Use Commission
RCALUCP	Riverside County Airport Land Use Compatibility Plan
RCDEH	Riverside County Department of Environmental Health

RCFD	Riverside County Fire Department
RL	Low Density Residential
RM	Medium Density Residential
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	regional water quality control boards
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SWRCB	State Water Resources Control Board
SLF	Sacred Lands File
SOx	sulfur oxide
SR	State Route
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
USEPA	United States Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
VHFHSZ	Very High Fire Hazard Severity Zone
VOC	volatile organic compound
WMP	construction waste management plan

APPENDIX A

Air Quality CalEEMod Output Sheets

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 1)

Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	25.00	1000sqft	1.50	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Construction of 25,000 sf building.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Demolition equipment per applicant.

Off-road Equipment - Grading equipment per applicant.

Off-road Equipment - Building construction equipment per applicant.

Off-road Equipment - Paving equipment per applicant.

Off-road Equipment -

Grading - 10,000 cy soil import.

Demolition - Demolition of portable buildings 912-920 and restrooms.

Trips and VMT - Assumed a total of 500 haul trucks.

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Trips - Construction only.

Area Coating -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	200.00	264.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	22.00
tblConstructionPhase	PhaseEndDate	3/10/2023	6/6/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	6/6/2023
tblConstructionPhase	PhaseEndDate	4/28/2022	5/2/2022
tblConstructionPhase	PhaseEndDate	5/6/2022	6/1/2022
tblConstructionPhase	PhaseEndDate	2/24/2023	6/6/2023
tblConstructionPhase	PhaseStartDate	2/25/2023	5/8/2023
tblConstructionPhase	PhaseStartDate	5/7/2022	6/2/2022
tblConstructionPhase	PhaseStartDate	2/11/2023	5/24/2023
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.57	1.50

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	HaulingTripNumber	1,250.00	500.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2242	19.6424	16.2026	0.0450	1.1111	0.9269	1.7321	0.2083	0.8673	0.9647	0.0000	4,481.1629	4,481.1629	0.9753	0.2227	4,571.9030
2023	7.5733	19.9282	22.5055	0.0560	0.2126	0.8762	1.0888	0.0569	0.8226	0.8794	0.0000	5,413.4664	5,413.4664	1.4331	0.0133	5,453.2476
Maximum	**7.5733**	**19.9282**	**22.5055**	**0.0560**	**1.1111**	**0.9269**	**1.7321**	**0.2083**	**0.8673**	**0.9647**	**0.0000**	**5,413.4664**	**5,413.4664**	**1.4331**	**0.2227**	**5,453.2476**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Year	lb/day										lb/day					
2022	0.8745	17.7544	21.0010	0.0450	0.7182	0.8613	1.4361	0.1642	0.8611	0.9185	0.0000	4,481.1629	4,481.1629	0.9753	0.2227	4,571.9030
2023	6.6191	26.2462	32.8853	0.0560	0.2126	1.3086	1.5212	0.0569	1.3085	1.3653	0.0000	5,413.4664	5,413.4664	1.4331	0.0133	5,453.2476
Maximum	**6.6191**	**26.2462**	**32.8853**	**0.0560**	**0.7182**	**1.3086**	**1.5212**	**0.1642**	**1.3085**	**1.3653**	**0.0000**	**5,413.4664**	**5,413.4664**	**1.4331**	**0.2227**	**5,453.2476**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**23.52**	**-11.20**	**-39.21**	**0.00**	**29.69**	**-20.35**	**-4.84**	**16.63**	**-28.39**	**-23.85**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6940	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7004**	**0.0584**	**0.0516**	**3.5000e-004**	**0.0000**	**4.4400e-003**	**4.4400e-003**	**0.0000**	**4.4400e-003**	**4.4400e-003**		**70.0296**	**70.0296**	**1.3500e-003**	**1.2800e-003**	**70.4461**

Mitigated Operational

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5670	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5734**	**0.0584**	**0.0516**	**3.5000e-004**	**0.0000**	**4.4400e-003**	**4.4400e-003**	**0.0000**	**4.4400e-003**	**4.4400e-003**		**70.0296**	**70.0296**	**1.3500e-003**	**1.2800e-003**	**70.4461**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**18.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/2/2022	5	22	
2	Grading	Grading	5/3/2022	6/1/2022	5	22	
3	Building Construction	Building Construction	6/2/2022	6/6/2023	5	264	
4	Paving	Paving	5/24/2023	6/6/2023	5	10	
5	Architectural Coating	Architectural Coating	5/8/2023	6/6/2023	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11

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JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	1	8.00	80	0.38
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Bore/Drill Rigs	2	6.00	221	0.50
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	5	13.00	0.00	40.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	500.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	11.00	4.00	2.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3955	0.0000	0.3955	0.0599	0.0000	0.0599			0.0000			0.0000
Off-Road	2.1744	19.3837	15.7478	0.0350		0.9236	0.9236		0.8642	0.8642		3,373.0287	3,373.0287	0.9193		3,396.0099
Total	**2.1744**	**19.3837**	**15.7478**	**0.0350**	**0.3955**	**0.9236**	**1.3191**	**0.0599**	**0.8642**	**0.9240**		**3,373.0287**	**3,373.0287**	**0.9193**		**3,396.0099**

Unmitigated Construction Off-Site

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JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7500e-003	0.2322	0.0516	1.0500e-003	0.0318	2.7000e-003	0.0345	8.7200e-003	2.5800e-003	0.0113		111.5185	111.5185	1.5100e-003	0.0176	116.7913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0265	0.4031	9.9000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		101.1987	101.1987	2.8800e-003	2.6700e-003	102.0677
Total	**0.0498**	**0.2587**	**0.4548**	**2.0400e-003**	**0.1406**	**3.2600e-003**	**0.1439**	**0.0376**	**3.0900e-003**	**0.0407**		**212.7172**	**212.7172**	**4.3900e-003**	**0.0202**	**218.8590**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1311	0.0000	0.1311	0.0199	0.0000	0.0199			0.0000			0.0000
Off-Road	0.8247	16.9660	20.5462	0.0350		0.8580	0.8580		0.8580	0.8580	0.0000	3,373.0287	3,373.0287	0.9193		3,396.0099
Total	**0.8247**	**16.9660**	**20.5462**	**0.0350**	**0.1311**	**0.8580**	**0.9891**	**0.0199**	**0.8580**	**0.8779**	**0.0000**	**3,373.0287**	**3,373.0287**	**0.9193**		**3,396.0099**

Mitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7500e-003	0.2322	0.0516	1.0500e-003	0.0318	2.7000e-003	0.0345	8.7200e-003	2.5800e-003	0.0113		111.5185	111.5185	1.5100e-003	0.0176	116.7913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0265	0.4031	9.9000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		101.1987	101.1987	2.8800e-003	2.6700e-003	102.0677
Total	**0.0498**	**0.2587**	**0.4548**	**2.0400e-003**	**0.1406**	**3.2600e-003**	**0.1439**	**0.0376**	**3.0900e-003**	**0.0407**		**212.7172**	**212.7172**	**4.3900e-003**	**0.0202**	**218.8590**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5878	0.0000	0.5878	0.0660	0.0000	0.0660			0.0000			0.0000
Off-Road	1.4950	14.4750	12.3592	0.0308		0.5866	0.5866		0.5405	0.5405		2,970.4135	2,970.4135	0.9531		2,994.2415
Total	**1.4950**	**14.4750**	**12.3592**	**0.0308**	**0.5878**	**0.5866**	**1.1744**	**0.0660**	**0.5405**	**0.6065**		**2,970.4135**	**2,970.4135**	**0.9531**		**2,994.2415**

Unmitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0719	2.9026	0.6455	0.0131	0.3978	0.0337	0.4315	0.1091	0.0323	0.1413		1,393.9817	1,393.9817	0.0189	0.2196	1,459.8911
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0508	0.0306	0.4651	1.1500e-003	0.1255	6.4000e-004	0.1261	0.0333	5.9000e-004	0.0339		116.7677	116.7677	3.3200e-003	3.0900e-003	117.7704
Total	**0.1227**	**2.9332**	**1.1106**	**0.0142**	**0.5233**	**0.0344**	**0.5577**	**0.1424**	**0.0329**	**0.1752**		**1,510.7494**	**1,510.7494**	**0.0222**	**0.2227**	**1,577.6615**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1949	0.0000	0.1949	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	0.7429	14.8212	18.4608	0.0308		0.6836	0.6836		0.6836	0.6836	0.0000	2,970.4135	2,970.4135	0.9531		2,994.2415
Total	**0.7429**	**14.8212**	**18.4608**	**0.0308**	**0.1949**	**0.6836**	**0.8785**	**0.0219**	**0.6836**	**0.7055**	**0.0000**	**2,970.4135**	**2,970.4135**	**0.9531**		**2,994.2415**

Mitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0719	2.9026	0.6455	0.0131	0.3978	0.0337	0.4315	0.1091	0.0323	0.1413		1,393.9817	1,393.9817	0.0189	0.2196	1,459.8911
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0508	0.0306	0.4651	1.1500e-003	0.1255	6.4000e-004	0.1261	0.0333	5.9000e-004	0.0339		116.7677	116.7677	3.3200e-003	3.0900e-003	117.7704
Total	**0.1227**	**2.9332**	**1.1106**	**0.0142**	**0.5233**	**0.0344**	**0.5577**	**0.1424**	**0.0329**	**0.1752**		**1,510.7494**	**1,510.7494**	**0.0222**	**0.2227**	**1,577.6615**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1765	11.5546	10.7566	0.0286		0.5151	0.5151		0.4864	0.4864		2,749.4509	2,749.4509	0.7195		2,767.4389
Total	**1.1765**	**11.5546**	**10.7566**	**0.0286**		**0.5151**	**0.5151**		**0.4864**	**0.4864**		**2,749.4509**	**2,749.4509**	**0.7195**		**2,767.4389**

Unmitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	9.7000e-004	2.2000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4647	0.4647	1.0000e-005	7.0000e-005	0.4866
Vendor	5.7600e-003	0.1435	0.0547	5.9000e-004	0.0201	1.9200e-003	0.0220	5.7800e-003	1.8400e-003	7.6200e-003		62.0573	62.0573	6.8000e-004	9.2200e-003	64.8217
Worker	0.0373	0.0224	0.3411	8.4000e-004	0.0920	4.7000e-004	0.0925	0.0244	4.3000e-004	0.0249		85.6297	85.6297	2.4300e-003	2.2600e-003	86.3650
Total	**0.0431**	**0.1668**	**0.3961**	**1.4300e-003**	**0.1122**	**2.4000e-003**	**0.1146**	**0.0302**	**2.2800e-003**	**0.0325**		**148.1517**	**148.1517**	**3.1200e-003**	**0.0116**	**151.6733**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	13.7878	16.5887	0.0286		0.6821	0.6821		0.6821	0.6821	0.0000	2,749.4509	2,749.4509	0.7195		2,767.4389
Total	**0.6739**	**13.7878**	**16.5887**	**0.0286**		**0.6821**	**0.6821**		**0.6821**	**0.6821**	**0.0000**	**2,749.4509**	**2,749.4509**	**0.7195**		**2,767.4389**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	2.0000e-005	9.7000e-004	2.2000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4647	0.4647	1.0000e-005	7.0000e-005	0.4866
Vendor	5.7600e-003	0.1435	0.0547	5.9000e-004	0.0201	1.9200e-003	0.0220	5.7800e-003	1.8400e-003	7.6200e-003		62.0573	62.0573	6.8000e-004	9.2200e-003	64.8217
Worker	0.0373	0.0224	0.3411	8.4000e-004	0.0920	4.7000e-004	0.0925	0.0244	4.3000e-004	0.0249		85.6297	85.6297	2.4300e-003	2.2600e-003	86.3650
Total	**0.0431**	**0.1668**	**0.3961**	**1.4300e-003**	**0.1122**	**2.4000e-003**	**0.1146**	**0.0302**	**2.2800e-003**	**0.0325**		**148.1517**	**148.1517**	**3.1200e-003**	**0.0116**	**151.6733**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1045	10.5454	10.6825	0.0286		0.4547	0.4547		0.4291	0.4291		2,752.4594	2,752.4594	0.7172		2,770.3895
Total	**1.1045**	**10.5454**	**10.6825**	**0.0286**		**0.4547**	**0.4547**		**0.4291**	**0.4291**		**2,752.4594**	**2,752.4594**	**0.7172**		**2,770.3895**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	2.0000e-005	7.6000e-004	2.1000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4445	0.4445	1.0000e-005	7.0000e-005	0.4656
Vendor	4.1900e-003	0.1131	0.0513	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.5836	59.5836	6.3000e-004	8.8200e-003	62.2282
Worker	0.0345	0.0199	0.3145	8.1000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		83.3650	83.3650	2.1900e-003	2.0900e-003	84.0438
Total	**0.0388**	**0.1337**	**0.3660**	**1.3700e-003**	**0.1122**	**1.3500e-003**	**0.1136**	**0.0302**	**1.2800e-003**	**0.0315**		**143.3931**	**143.3931**	**2.8300e-003**	**0.0110**	**146.7376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	13.7878	16.5887	0.0286		0.6821	0.6821		0.6821	0.6821	0.0000	2,752.4594	2,752.4594	0.7172		2,770.3895
Total	**0.6739**	**13.7878**	**16.5887**	**0.0286**		**0.6821**	**0.6821**		**0.6821**	**0.6821**	**0.0000**	**2,752.4594**	**2,752.4594**	**0.7172**		**2,770.3895**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	2.1000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4445	0.4445	1.0000e-005	7.0000e-005	0.4656

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	4.1900e-003	0.1131	0.0513	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.5836	59.5836	6.3000e-004	8.8200e-003	62.2282
Worker	0.0345	0.0199	0.3145	8.1000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		83.3650	83.3650	2.1900e-003	2.0900e-003	84.0438
Total	**0.0388**	**0.1337**	**0.3660**	**1.3700e-003**	**0.1122**	**1.3500e-003**	**0.1136**	**0.0302**	**1.2800e-003**	**0.0315**		**143.3931**	**143.3931**	**2.8300e-003**	**0.0110**	**146.7376**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9337	7.9245	9.3029	0.0222		0.3488	0.3488		0.3209	0.3209		2,145.2222	2,145.2222	0.6938		2,162.5674
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9337**	**7.9245**	**9.3029**	**0.0222**		**0.3488**	**0.3488**		**0.3209**	**0.3209**		**2,145.2222**	**2,145.2222**	**0.6938**		**2,162.5674**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0314	0.0181	0.2859	7.4000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		75.7864	75.7864	1.9900e-003	1.9000e-003	76.4034
Total	**0.0314**	**0.0181**	**0.2859**	**7.4000e-004**	**0.0837**	**4.0000e-004**	**0.0841**	**0.0222**	**3.7000e-004**	**0.0226**		**75.7864**	**75.7864**	**1.9900e-003**	**1.9000e-003**	**76.4034**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5422	10.9460	13.7552	0.0222		0.5296	0.5296		0.5296	0.5296	0.0000	2,145.2222	2,145.2222	0.6938		2,162.5674
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5422**	**10.9460**	**13.7552**	**0.0222**		**0.5296**	**0.5296**		**0.5296**	**0.5296**	**0.0000**	**2,145.2222**	**2,145.2222**	**0.6938**		**2,162.5674**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0314	0.0181	0.2859	7.4000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		75.7864	75.7864	1.9900e-003	1.9000e-003	76.4034
Total	**0.0314**	**0.0181**	**0.2859**	**7.4000e-004**	**0.0837**	**4.0000e-004**	**0.0841**	**0.0222**	**3.7000e-004**	**0.0226**		**75.7864**	**75.7864**	**1.9900e-003**	**1.9000e-003**	**76.4034**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**5.4587**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2800e-003	3.6100e-003	0.0572	1.5000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		15.1573	15.1573	4.0000e-004	3.8000e-004	15.2807
Total	**6.2800e-003**	**3.6100e-003**	**0.0572**	**1.5000e-004**	**0.0167**	**8.0000e-005**	**0.0168**	**4.4400e-003**	**7.0000e-005**	**4.5100e-003**		**15.1573**	**15.1573**	**4.0000e-004**	**3.8000e-004**	**15.2807**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**5.3265**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2800e-003	3.6100e-003	0.0572	1.5000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		15.1573	15.1573	4.0000e-004	3.8000e-004	15.2807
Total	**6.2800e-003**	**3.6100e-003**	**0.0572**	**1.5000e-004**	**0.0167**	**8.0000e-005**	**0.0168**	**4.4400e-003**	**7.0000e-005**	**4.5100e-003**		**15.1573**	**15.1573**	**4.0000e-004**	**3.8000e-004**	**15.2807**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
NaturalGas Unmitigated	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Junior High School	595.205	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Total		**6.4200e-003**	**0.0584**	**0.0490**	**3.5000e-004**		**4.4300e-003**	**4.4300e-003**		**4.4300e-003**	**4.4300e-003**		**70.0242**	**70.0242**	**1.3400e-003**	**1.2800e-003**	**70.4403**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	0.595205	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Total		**6.4200e-003**	**0.0584**	**0.0490**	**3.5000e-004**		**4.4300e-003**	**4.4300e-003**		**4.4300e-003**	**4.4300e-003**		**70.0242**	**70.0242**	**1.3400e-003**	**1.2800e-003**	**70.4403**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5670	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.6940	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	**0.6940**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.8300e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory	lb/day										lb/day					
Architectural Coating	0.0318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	**0.5670**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.8300e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 1)

Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	25.00	1000sqft	1.50	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Construction of 25,000 sf building.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Demolition equipment per applicant.

Off-road Equipment - Grading equipment per applicant.

Off-road Equipment - Building construction equipment per applicant.

Off-road Equipment - Paving equipment per applicant.

Off-road Equipment -

Grading - 10,000 cy soil import.

Demolition - Demolition of portable buildings 912-920 and restrooms.

Trips and VMT - Assumed a total of 500 haul trucks.

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

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JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Trips - Construction only.

Area Coating -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	200.00	264.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	22.00
tblConstructionPhase	PhaseEndDate	3/10/2023	6/6/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	6/6/2023
tblConstructionPhase	PhaseEndDate	4/28/2022	5/2/2022
tblConstructionPhase	PhaseEndDate	5/6/2022	6/1/2022
tblConstructionPhase	PhaseEndDate	2/24/2023	6/6/2023
tblConstructionPhase	PhaseStartDate	2/25/2023	5/8/2023
tblConstructionPhase	PhaseStartDate	5/7/2022	6/2/2022
tblConstructionPhase	PhaseStartDate	2/11/2023	5/24/2023
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.57	1.50

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	HaulingTripNumber	1,250.00	500.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2201	19.6561	16.1326	0.0449	1.1111	0.9269	1.7322	0.2083	0.8673	0.9647	0.0000	4,471.2788	4,471.2788	0.9752	0.2229	4,562.0888
2023	7.5668	19.9368	22.3922	0.0558	0.2126	0.8762	1.0888	0.0569	0.8226	0.8794	0.0000	5,397.3590	5,397.3590	1.4332	0.0134	5,437.1837
Maximum	**7.5668**	**19.9368**	**22.3922**	**0.0558**	**1.1111**	**0.9269**	**1.7322**	**0.2083**	**0.8673**	**0.9647**	**0.0000**	**5,397.3590**	**5,397.3590**	**1.4332**	**0.2229**	**5,437.1837**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Year	lb/day										lb/day					
2022	0.8703	17.9145	20.9310	0.0449	0.7182	0.8613	1.4362	0.1642	0.8611	0.9185	0.0000	4,471.2788	4,471.2788	0.9752	0.2229	4,562.0888
2023	6.6126	26.2548	32.7720	0.0558	0.2126	1.3086	1.5212	0.0569	1.3085	1.3653	0.0000	5,397.3590	5,397.3590	1.4332	0.0134	5,437.1837
Maximum	**6.6126**	**26.2548**	**32.7720**	**0.0558**	**0.7182**	**1.3086**	**1.5212**	**0.1642**	**1.3085**	**1.3653**	**0.0000**	**5,397.3590**	**5,397.3590**	**1.4332**	**0.2229**	**5,437.1837**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**23.54**	**-11.56**	**-39.40**	**0.00**	**29.69**	**-20.34**	**-4.84**	**16.63**	**-28.39**	**-23.85**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6940	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7004**	**0.0584**	**0.0516**	**3.5000e-004**	**0.0000**	**4.4400e-003**	**4.4400e-003**	**0.0000**	**4.4400e-003**	**4.4400e-003**		**70.0296**	**70.0296**	**1.3500e-003**	**1.2800e-003**	**70.4461**

Mitigated Operational

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5670	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5734**	**0.0584**	**0.0516**	**3.5000e-004**	**0.0000**	**4.4400e-003**	**4.4400e-003**	**0.0000**	**4.4400e-003**	**4.4400e-003**		**70.0296**	**70.0296**	**1.3500e-003**	**1.2800e-003**	**70.4461**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**18.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/2/2022	5	22	
2	Grading	Grading	5/3/2022	6/1/2022	5	22	
3	Building Construction	Building Construction	6/2/2022	6/6/2023	5	264	
4	Paving	Paving	5/24/2023	6/6/2023	5	10	
5	Architectural Coating	Architectural Coating	5/8/2023	6/6/2023	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11

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JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	1	8.00	80	0.38
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Bore/Drill Rigs	2	6.00	221	0.50
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	5	13.00	0.00	40.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	500.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	11.00	4.00	2.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3955	0.0000	0.3955	0.0599	0.0000	0.0599			0.0000			0.0000
Off-Road	2.1744	19.3837	15.7478	0.0350		0.9236	0.9236		0.8642	0.8642		3,373.0287	3,373.0287	0.9193		3,396.0099
Total	**2.1744**	**19.3837**	**15.7478**	**0.0350**	**0.3955**	**0.9236**	**1.3191**	**0.0599**	**0.8642**	**0.9240**		**3,373.0287**	**3,373.0287**	**0.9193**		**3,396.0099**

Unmitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.4800e-003	0.2449	0.0531	1.0500e-003	0.0318	2.7000e-003	0.0345	8.7200e-003	2.5900e-003	0.0113		111.6037	111.6037	1.5000e-003	0.0176	116.8801
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0402	0.0275	0.3317	9.0000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		91.7102	91.7102	2.9200e-003	2.7400e-003	92.5997
Total	**0.0457**	**0.2724**	**0.3847**	**1.9500e-003**	**0.1406**	**3.2600e-003**	**0.1439**	**0.0376**	**3.1000e-003**	**0.0407**		**203.3139**	**203.3139**	**4.4200e-003**	**0.0203**	**209.4798**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1311	0.0000	0.1311	0.0199	0.0000	0.0199			0.0000			0.0000
Off-Road	0.8247	16.9660	20.5462	0.0350		0.8580	0.8580		0.8580	0.8580	0.0000	3,373.0287	3,373.0287	0.9193		3,396.0099
Total	**0.8247**	**16.9660**	**20.5462**	**0.0350**	**0.1311**	**0.8580**	**0.9891**	**0.0199**	**0.8580**	**0.8779**	**0.0000**	**3,373.0287**	**3,373.0287**	**0.9193**		**3,396.0099**

Mitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.4800e-003	0.2449	0.0531	1.0500e-003	0.0318	2.7000e-003	0.0345	8.7200e-003	2.5900e-003	0.0113		111.6037	111.6037	1.5000e-003	0.0176	116.8801
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0402	0.0275	0.3317	9.0000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		91.7102	91.7102	2.9200e-003	2.7400e-003	92.5997
Total	**0.0457**	**0.2724**	**0.3847**	**1.9500e-003**	**0.1406**	**3.2600e-003**	**0.1439**	**0.0376**	**3.1000e-003**	**0.0407**		**203.3139**	**203.3139**	**4.4200e-003**	**0.0203**	**209.4798**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5878	0.0000	0.5878	0.0660	0.0000	0.0660			0.0000			0.0000
Off-Road	1.4950	14.4750	12.3592	0.0308		0.5866	0.5866		0.5405	0.5405		2,970.4135	2,970.4135	0.9531		2,994.2415
Total	**1.4950**	**14.4750**	**12.3592**	**0.0308**	**0.5878**	**0.5866**	**1.1744**	**0.0660**	**0.5405**	**0.6065**		**2,970.4135**	**2,970.4135**	**0.9531**		**2,994.2415**

Unmitigated Construction Off-Site

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JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0685	3.0616	0.6632	0.0131	0.3978	0.0338	0.4316	0.1091	0.0323	0.1414		1,395.0459	1,395.0459	0.0187	0.2198	1,461.0016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0464	0.0317	0.3827	1.0400e-003	0.1255	6.4000e-004	0.1261	0.0333	5.9000e-004	0.0339		105.8195	105.8195	3.3700e-003	3.1600e-003	106.8458
Total	**0.1149**	**3.0933**	**1.0459**	**0.0141**	**0.5233**	**0.0344**	**0.5577**	**0.1424**	**0.0329**	**0.1753**		**1,500.8653**	**1,500.8653**	**0.0221**	**0.2229**	**1,567.8473**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1949	0.0000	0.1949	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	0.7429	14.8212	18.4608	0.0308		0.6836	0.6836		0.6836	0.6836	0.0000	2,970.4135	2,970.4135	0.9531		2,994.2415
Total	**0.7429**	**14.8212**	**18.4608**	**0.0308**	**0.1949**	**0.6836**	**0.8785**	**0.0219**	**0.6836**	**0.7055**	**0.0000**	**2,970.4135**	**2,970.4135**	**0.9531**		**2,994.2415**

Mitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0685	3.0616	0.6632	0.0131	0.3978	0.0338	0.4316	0.1091	0.0323	0.1414		1,395.0459	1,395.0459	0.0187	0.2198	1,461.0016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0464	0.0317	0.3827	1.0400e-003	0.1255	6.4000e-004	0.1261	0.0333	5.9000e-004	0.0339		105.8195	105.8195	3.3700e-003	3.1600e-003	106.8458
Total	**0.1149**	**3.0933**	**1.0459**	**0.0141**	**0.5233**	**0.0344**	**0.5577**	**0.1424**	**0.0329**	**0.1753**		**1,500.8653**	**1,500.8653**	**0.0221**	**0.2229**	**1,567.8473**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1765	11.5546	10.7566	0.0286		0.5151	0.5151		0.4864	0.4864		2,749.4509	2,749.4509	0.7195		2,767.4389
Total	**1.1765**	**11.5546**	**10.7566**	**0.0286**		**0.5151**	**0.5151**		**0.4864**	**0.4864**		**2,749.4509**	**2,749.4509**	**0.7195**		**2,767.4389**

Unmitigated Construction Off-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	1.0200e-003	2.2000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4650	0.4650	1.0000e-005	7.0000e-005	0.4870
Vendor	5.4800e-003	0.1512	0.0570	5.9000e-004	0.0201	1.9300e-003	0.0220	5.7800e-003	1.8400e-003	7.6300e-003		62.1416	62.1416	6.7000e-004	9.2400e-003	64.9115
Worker	0.0340	0.0233	0.2807	7.6000e-004	0.0920	4.7000e-004	0.0925	0.0244	4.3000e-004	0.0249		77.6010	77.6010	2.4700e-003	2.3200e-003	78.3536
Total	**0.0395**	**0.1755**	**0.3379**	**1.3500e-003**	**0.1122**	**2.4100e-003**	**0.1147**	**0.0302**	**2.2800e-003**	**0.0325**		**140.2075**	**140.2075**	**3.1500e-003**	**0.0116**	**143.7521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	13.7878	16.5887	0.0286		0.6821	0.6821		0.6821	0.6821	0.0000	2,749.4509	2,749.4509	0.7195		2,767.4389
Total	**0.6739**	**13.7878**	**16.5887**	**0.0286**		**0.6821**	**0.6821**		**0.6821**	**0.6821**	**0.0000**	**2,749.4509**	**2,749.4509**	**0.7195**		**2,767.4389**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	2.0000e-005	1.0200e-003	2.2000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4650	0.4650	1.0000e-005	7.0000e-005	0.4870
Vendor	5.4800e-003	0.1512	0.0570	5.9000e-004	0.0201	1.9300e-003	0.0220	5.7800e-003	1.8400e-003	7.6300e-003		62.1416	62.1416	6.7000e-004	9.2400e-003	64.9115
Worker	0.0340	0.0233	0.2807	7.6000e-004	0.0920	4.7000e-004	0.0925	0.0244	4.3000e-004	0.0249		77.6010	77.6010	2.4700e-003	2.3200e-003	78.3536
Total	**0.0395**	**0.1755**	**0.3379**	**1.3500e-003**	**0.1122**	**2.4100e-003**	**0.1147**	**0.0302**	**2.2800e-003**	**0.0325**		**140.2075**	**140.2075**	**3.1500e-003**	**0.0116**	**143.7521**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1045	10.5454	10.6825	0.0286		0.4547	0.4547		0.4291	0.4291		2,752.4594	2,752.4594	0.7172		2,770.3895
Total	**1.1045**	**10.5454**	**10.6825**	**0.0286**		**0.4547**	**0.4547**		**0.4291**	**0.4291**		**2,752.4594**	**2,752.4594**	**0.7172**		**2,770.3895**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	2.0000e-005	8.0000e-004	2.1000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4452	0.4452	1.0000e-005	7.0000e-005	0.4663
Vendor	3.8500e-003	0.1201	0.0531	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.7676	59.7676	6.2000e-004	8.8600e-003	62.4223
Worker	0.0316	0.0206	0.2594	7.4000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		75.5731	75.5731	2.2300e-003	2.1400e-003	76.2679
Total	**0.0355**	**0.1415**	**0.3127**	**1.3000e-003**	**0.1122**	**1.3500e-003**	**0.1136**	**0.0302**	**1.2800e-003**	**0.0315**		**135.7859**	**135.7859**	**2.8600e-003**	**0.0111**	**139.1564**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	13.7878	16.5887	0.0286		0.6821	0.6821		0.6821	0.6821	0.0000	2,752.4594	2,752.4594	0.7172		2,770.3895
Total	**0.6739**	**13.7878**	**16.5887**	**0.0286**		**0.6821**	**0.6821**		**0.6821**	**0.6821**	**0.0000**	**2,752.4594**	**2,752.4594**	**0.7172**		**2,770.3895**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	8.0000e-004	2.1000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005		0.4452	0.4452	1.0000e-005	7.0000e-005	0.4663

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	3.8500e-003	0.1201	0.0531	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.7676	59.7676	6.2000e-004	8.8600e-003	62.4223
Worker	0.0316	0.0206	0.2594	7.4000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		75.5731	75.5731	2.2300e-003	2.1400e-003	76.2679
Total	**0.0355**	**0.1415**	**0.3127**	**1.3000e-003**	**0.1122**	**1.3500e-003**	**0.1136**	**0.0302**	**1.2800e-003**	**0.0315**		**135.7859**	**135.7859**	**2.8600e-003**	**0.0111**	**139.1564**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9337	7.9245	9.3029	0.0222		0.3488	0.3488		0.3209	0.3209		2,145.2222	2,145.2222	0.6938		2,162.5674
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9337**	**7.9245**	**9.3029**	**0.0222**		**0.3488**	**0.3488**		**0.3209**	**0.3209**		**2,145.2222**	**2,145.2222**	**0.6938**		**2,162.5674**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0187	0.2358	6.7000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		68.7028	68.7028	2.0300e-003	1.9500e-003	69.3344
Total	**0.0287**	**0.0187**	**0.2358**	**6.7000e-004**	**0.0837**	**4.0000e-004**	**0.0841**	**0.0222**	**3.7000e-004**	**0.0226**		**68.7028**	**68.7028**	**2.0300e-003**	**1.9500e-003**	**69.3344**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5422	10.9460	13.7552	0.0222		0.5296	0.5296		0.5296	0.5296	0.0000	2,145.2222	2,145.2222	0.6938		2,162.5674
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5422**	**10.9460**	**13.7552**	**0.0222**		**0.5296**	**0.5296**		**0.5296**	**0.5296**	**0.0000**	**2,145.2222**	**2,145.2222**	**0.6938**		**2,162.5674**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0187	0.2358	6.7000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		68.7028	68.7028	2.0300e-003	1.9500e-003	69.3344
Total	**0.0287**	**0.0187**	**0.2358**	**6.7000e-004**	**0.0837**	**4.0000e-004**	**0.0841**	**0.0222**	**3.7000e-004**	**0.0226**		**68.7028**	**68.7028**	**2.0300e-003**	**1.9500e-003**	**69.3344**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**5.4587**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	3.7500e-003	0.0472	1.3000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.7406	13.7406	4.1000e-004	3.9000e-004	13.8669
Total	**5.7500e-003**	**3.7500e-003**	**0.0472**	**1.3000e-004**	**0.0167**	**8.0000e-005**	**0.0168**	**4.4400e-003**	**7.0000e-005**	**4.5100e-003**		**13.7406**	**13.7406**	**4.1000e-004**	**3.9000e-004**	**13.8669**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**5.3265**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	3.7500e-003	0.0472	1.3000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.7406	13.7406	4.1000e-004	3.9000e-004	13.8669
Total	**5.7500e-003**	**3.7500e-003**	**0.0472**	**1.3000e-004**	**0.0167**	**8.0000e-005**	**0.0168**	**4.4400e-003**	**7.0000e-005**	**4.5100e-003**		**13.7406**	**13.7406**	**4.1000e-004**	**3.9000e-004**	**13.8669**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
NaturalGas Unmitigated	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Junior High School	595.205	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Total		**6.4200e-003**	**0.0584**	**0.0490**	**3.5000e-004**		**4.4300e-003**	**4.4300e-003**		**4.4300e-003**	**4.4300e-003**		**70.0242**	**70.0242**	**1.3400e-003**	**1.2800e-003**	**70.4403**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	0.595205	6.4200e-003	0.0584	0.0490	3.5000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003		70.0242	70.0242	1.3400e-003	1.2800e-003	70.4403
Total		**6.4200e-003**	**0.0584**	**0.0490**	**3.5000e-004**		**4.4300e-003**	**4.4300e-003**		**4.4300e-003**	**4.4300e-003**		**70.0242**	**70.0242**	**1.3400e-003**	**1.2800e-003**	**70.4403**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5670	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.6940	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	**0.6940**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.8300e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory	lb/day										lb/day					
Architectural Coating	0.0318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	**0.5670**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.8300e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 2-4)

Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	78.19	1000sqft	1.40	78,188.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Renovation of 78,188 sf.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Building renovation equipment per applicant.

Off-road Equipment - Demolition equipment per applicant.

Trips and VMT -

Demolition - Demolition of portable buildings 901-911 and restrooms.

Vehicle Trips - Construction only.

Area Coating -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Table Name	Column Name	Default Value	New Value

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	200.00	242.00
tblConstructionPhase	NumDays	20.00	22.00
tblLandUse	LandUseSquareFeet	78,190.00	78,188.00
tblLandUse	LotAcreage	1.79	1.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.9871	16.9964	15.6168	0.0372	0.6296	0.7591	1.3888	0.1125	0.7108	0.8233	0.0000	3,603.7900	3,603.7900	0.9207	0.0350	3,633.6816

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2024	0.3509	2.0457	3.4628	8.1300e-003	0.3413	0.0854	0.4267	0.0920	0.0852	0.1772	0.0000	809.9842	809.9842	0.0292	0.0340	820.8568
Maximum	**1.9871**	**16.9964**	**15.6168**	**0.0372**	**0.6296**	**0.7591**	**1.3888**	**0.1125**	**0.7108**	**0.8233**	**0.0000**	**3,603.7900**	**3,603.7900**	**0.9207**	**0.0350**	**3,633.6816**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.8703	17.2119	20.9791	0.0372	0.3413	0.8612	1.1687	0.0920	0.8611	0.9248	0.0000	3,603.7900	3,603.7900	0.9207	0.0350	3,633.6816
2024	0.1892	2.2300	3.4925	8.1300e-003	0.3413	0.1310	0.4723	0.0920	0.1307	0.2228	0.0000	809.9842	809.9842	0.0292	0.0340	820.8568
Maximum	**0.8703**	**17.2119**	**20.9791**	**0.0372**	**0.3413**	**0.8612**	**1.1687**	**0.0920**	**0.8611**	**0.9248**	**0.0000**	**3,603.7900**	**3,603.7900**	**0.9207**	**0.0350**	**3,633.6816**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**54.69**	**-2.10**	**-28.26**	**0.00**	**29.69**	**-17.48**	**9.61**	**10.01**	**-24.60**	**-14.69**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Area	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Energy	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1905**	**0.1826**	**0.1613**	**1.1000e-003**	**0.0000**	**0.0139**	**0.0139**	**0.0000**	**0.0139**	**0.0139**		**219.0191**	**219.0191**	**4.2400e-003**	**4.0200e-003**	**220.3216**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Energy	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1905**	**0.1826**	**0.1613**	**1.1000e-003**	**0.0000**	**0.0139**	**0.0139**	**0.0000**	**0.0139**	**0.0139**		**219.0191**	**219.0191**	**4.2400e-003**	**4.0200e-003**	**220.3216**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/7/2023	7/6/2023	5	22	
2	Building Renovation	Building Construction	7/7/2023	6/10/2024	5	242	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Renovation	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	49.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Renovation	1	33.00	13.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4819	0.0000	0.4819	0.0730	0.0000	0.0730			0.0000			0.0000
Off-Road	1.9415	16.7505	15.1840	0.0350		0.7559	0.7559		0.7078	0.7078		3,374.5723	3,374.5723	0.9162		3,397.4783
Total	**1.9415**	**16.7505**	**15.1840**	**0.0350**	**0.4819**	**0.7559**	**1.2378**	**0.0730**	**0.7078**	**0.7808**		**3,374.5723**	**3,374.5723**	**0.9162**		**3,397.4783**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.8700e-003	0.2224	0.0612	1.2200e-003	0.0390	2.6800e-003	0.0417	0.0107	2.5700e-003	0.0133		130.6954	130.6954	1.8500e-003	0.0206	136.8788
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0408	0.0235	0.3717	9.6000e-004	0.1088	5.3000e-004	0.1093	0.0289	4.8000e-004	0.0293		98.5223	98.5223	2.5900e-003	2.4700e-003	99.3245

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	**0.0457**	**0.2459**	**0.4328**	**2.1800e-003**	**0.1478**	**3.2100e-003**	**0.1510**	**0.0395**	**3.0500e-003**	**0.0426**		**229.2177**	**229.2177**	**4.4400e-003**	**0.0231**	**236.2033**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1598	0.0000	0.1598	0.0242	0.0000	0.0242			0.0000			0.0000
Off-Road	0.8247	16.9660	20.5462	0.0350		0.8580	0.8580		0.8580	0.8580	0.0000	3,374.5723	3,374.5723	0.9162		3,397.4783
Total	**0.8247**	**16.9660**	**20.5462**	**0.0350**	**0.1598**	**0.8580**	**1.0178**	**0.0242**	**0.8580**	**0.8822**	**0.0000**	**3,374.5723**	**3,374.5723**	**0.9162**		**3,397.4783**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.8700e-003	0.2224	0.0612	1.2200e-003	0.0390	2.6800e-003	0.0417	0.0107	2.5700e-003	0.0133		130.6954	130.6954	1.8500e-003	0.0206	136.8788
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0408	0.0235	0.3717	9.6000e-004	0.1088	5.3000e-004	0.1093	0.0289	4.8000e-004	0.0293		98.5223	98.5223	2.5900e-003	2.4700e-003	99.3245

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	**0.0457**	**0.2459**	**0.4328**	**2.1800e-003**	**0.1478**	**3.2100e-003**	**0.1510**	**0.0395**	**3.0500e-003**	**0.0426**		**229.2177**	**229.2177**	**4.4400e-003**	**0.0231**	**236.2033**

3.3 Building Renovation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**0.2556**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0136	0.3675	0.1666	1.8300e-003	0.0652	2.9200e-003	0.0682	0.0188	2.7900e-003	0.0216		193.6466	193.6466	2.0500e-003	0.0287	202.2417
Worker	0.1036	0.0596	0.9434	2.4400e-003	0.2761	1.3300e-003	0.2774	0.0732	1.2300e-003	0.0745		250.0950	250.0950	6.5700e-003	6.2800e-003	252.1313
Total	**0.1173**	**0.4271**	**1.1101**	**4.2700e-003**	**0.3413**	**4.2500e-003**	**0.3456**	**0.0920**	**4.0200e-003**	**0.0960**		**443.7417**	**443.7417**	**8.6200e-003**	**0.0350**	**454.3730**

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JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**0.0792**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0136	0.3675	0.1666	1.8300e-003	0.0652	2.9200e-003	0.0682	0.0188	2.7900e-003	0.0216		193.6466	193.6466	2.0500e-003	0.0287	202.2417
Worker	0.1036	0.0596	0.9434	2.4400e-003	0.2761	1.3300e-003	0.2774	0.0732	1.2300e-003	0.0745		250.0950	250.0950	6.5700e-003	6.2800e-003	252.1313
Total	**0.1173**	**0.4271**	**1.1101**	**4.2700e-003**	**0.3413**	**4.2500e-003**	**0.3456**	**0.0920**	**4.0200e-003**	**0.0960**		**443.7417**	**443.7417**	**8.6200e-003**	**0.0350**	**454.3730**

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Building Renovation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**0.2410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.3674	0.1649	1.8000e-003	0.0652	2.9000e-003	0.0681	0.0188	2.7700e-003	0.0216		190.6603	190.6603	2.1200e-003	0.0282	199.1130
Worker	0.0965	0.0532	0.8845	2.3700e-003	0.2761	1.2700e-003	0.2774	0.0732	1.1700e-003	0.0744		244.0599	244.0599	5.9700e-003	5.8500e-003	245.9515
Total	**0.1099**	**0.4207**	**1.0493**	**4.1700e-003**	**0.3413**	**4.1700e-003**	**0.3455**	**0.0920**	**3.9400e-003**	**0.0960**		**434.7202**	**434.7202**	**8.0900e-003**	**0.0340**	**445.0645**

Mitigated Construction On-Site

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**0.0792**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.3674	0.1649	1.8000e-003	0.0652	2.9000e-003	0.0681	0.0188	2.7700e-003	0.0216		190.6603	190.6603	2.1200e-003	0.0282	199.1130
Worker	0.0965	0.0532	0.8845	2.3700e-003	0.2761	1.2700e-003	0.2774	0.0732	1.1700e-003	0.0744		244.0599	244.0599	5.9700e-003	5.8500e-003	245.9515
Total	**0.1099**	**0.4207**	**1.0493**	**4.1700e-003**	**0.3413**	**4.1700e-003**	**0.3455**	**0.0920**	**3.9400e-003**	**0.0960**		**434.7202**	**434.7202**	**8.0900e-003**	**0.0340**	**445.0645**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
NaturalGas Unmitigated	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1861.52	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Total		**0.0201**	**0.1825**	**0.1533**	**1.1000e-003**		**0.0139**	**0.0139**		**0.0139**	**0.0139**		**219.0020**	**219.0020**	**4.2000e-003**	**4.0200e-003**	**220.3034**

Mitigated

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1.86152	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Total		**0.0201**	**0.1825**	**0.1533**	**1.1000e-003**		**0.0139**	**0.0139**		**0.0139**	**0.0139**		**219.0020**	**219.0020**	**4.2000e-003**	**4.0200e-003**	**220.3034**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Unmitigated	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory	lb/day										lb/day					
Architectural Coating	0.4964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Total	**2.1704**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0171**	**0.0171**	**4.0000e-005**		**0.0182**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Total	**2.1704**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0171**	**0.0171**	**4.0000e-005**		**0.0182**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 2-4)

Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	78.19	1000sqft	1.40	78,188.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Renovation of 78,188 sf.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Building renovation equipment per applicant.

Off-road Equipment - Demolition equipment per applicant.

Trips and VMT -

Demolition - Demolition of portable buildings 901-911 and restrooms.

Vehicle Trips - Construction only.

Area Coating -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Table Name	Column Name	Default Value	New Value

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	200.00	242.00
tblConstructionPhase	NumDays	20.00	22.00
tblLandUse	LandUseSquareFeet	78,190.00	78,188.00
tblLandUse	LotAcreage	1.79	1.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.9833	17.0106	15.5531	0.0371	0.6296	0.7591	1.3888	0.1125	0.7108	0.8233	0.0000	3,594.7858	3,594.7858	0.9207	0.0352	3,624.7055

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2024	0.3419	2.0704	3.3146	7.9100e-003	0.3413	0.0854	0.4268	0.0920	0.0852	0.1772	0.0000	787.8062	787.8062	0.0293	0.0343	798.7552
Maximum	**1.9833**	**17.0106**	**15.5531**	**0.0371**	**0.6296**	**0.7591**	**1.3888**	**0.1125**	**0.7108**	**0.8233**	**0.0000**	**3,594.7858**	**3,594.7858**	**0.9207**	**0.0352**	**3,624.7055**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.8665	17.2261	20.9153	0.0371	0.3413	0.8612	1.1687	0.0920	0.8611	0.9248	0.0000	3,594.7858	3,594.7858	0.9207	0.0352	3,624.7055
2024	0.1801	2.2547	3.3443	7.9100e-003	0.3413	0.1310	0.4723	0.0920	0.1307	0.2228	0.0000	787.8062	787.8062	0.0293	0.0343	798.7552
Maximum	**0.8665**	**17.2261**	**20.9153**	**0.0371**	**0.3413**	**0.8612**	**1.1687**	**0.0920**	**0.8611**	**0.9248**	**0.0000**	**3,594.7858**	**3,594.7858**	**0.9207**	**0.0352**	**3,624.7055**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**54.99**	**-2.09**	**-28.58**	**0.00**	**29.69**	**-17.49**	**9.61**	**10.01**	**-24.60**	**-14.69**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Area	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Energy	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1905**	**0.1826**	**0.1613**	**1.1000e-003**	**0.0000**	**0.0139**	**0.0139**	**0.0000**	**0.0139**	**0.0139**		**219.0191**	**219.0191**	**4.2400e-003**	**4.0200e-003**	**220.3216**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Energy	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1905**	**0.1826**	**0.1613**	**1.1000e-003**	**0.0000**	**0.0139**	**0.0139**	**0.0000**	**0.0139**	**0.0139**		**219.0191**	**219.0191**	**4.2400e-003**	**4.0200e-003**	**220.3216**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/7/2023	7/6/2023	5	22	
2	Building Renovation	Building Construction	7/7/2023	6/10/2024	5	242	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Renovation	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	49.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Renovation	1	33.00	13.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4819	0.0000	0.4819	0.0730	0.0000	0.0730			0.0000			0.0000
Off-Road	1.9415	16.7505	15.1840	0.0350		0.7559	0.7559		0.7078	0.7078		3,374.5723	3,374.5723	0.9162		3,397.4783
Total	**1.9415**	**16.7505**	**15.1840**	**0.0350**	**0.4819**	**0.7559**	**1.2378**	**0.0730**	**0.7078**	**0.7808**		**3,374.5723**	**3,374.5723**	**0.9162**		**3,397.4783**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4800e-003	0.2357	0.0625	1.2300e-003	0.0390	2.6900e-003	0.0417	0.0107	2.5700e-003	0.0133		130.8998	130.8998	1.8300e-003	0.0206	137.0924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0244	0.3066	8.7000e-004	0.1088	5.3000e-004	0.1093	0.0289	4.8000e-004	0.0293		89.3137	89.3137	2.6400e-003	2.5300e-003	90.1348

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	**0.0418**	**0.2600**	**0.3690**	**2.1000e-003**	**0.1478**	**3.2200e-003**	**0.1510**	**0.0395**	**3.0500e-003**	**0.0426**		**220.2135**	**220.2135**	**4.4700e-003**	**0.0232**	**227.2272**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1598	0.0000	0.1598	0.0242	0.0000	0.0242			0.0000			0.0000
Off-Road	0.8247	16.9660	20.5462	0.0350		0.8580	0.8580		0.8580	0.8580	0.0000	3,374.5723	3,374.5723	0.9162		3,397.4783
Total	**0.8247**	**16.9660**	**20.5462**	**0.0350**	**0.1598**	**0.8580**	**1.0178**	**0.0242**	**0.8580**	**0.8822**	**0.0000**	**3,374.5723**	**3,374.5723**	**0.9162**		**3,397.4783**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4800e-003	0.2357	0.0625	1.2300e-003	0.0390	2.6900e-003	0.0417	0.0107	2.5700e-003	0.0133		130.8998	130.8998	1.8300e-003	0.0206	137.0924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0244	0.3066	8.7000e-004	0.1088	5.3000e-004	0.1093	0.0289	4.8000e-004	0.0293		89.3137	89.3137	2.6400e-003	2.5300e-003	90.1348

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	**0.0418**	**0.2600**	**0.3690**	**2.1000e-003**	**0.1478**	**3.2200e-003**	**0.1510**	**0.0395**	**3.0500e-003**	**0.0426**		**220.2135**	**220.2135**	**4.4700e-003**	**0.0232**	**227.2272**

3.3 Building Renovation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**0.2556**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0125	0.3902	0.1726	1.8300e-003	0.0652	2.9300e-003	0.0682	0.0188	2.8000e-003	0.0216		194.2445	194.2445	2.0100e-003	0.0288	202.8723
Worker	0.0948	0.0618	0.7783	2.2200e-003	0.2761	1.3300e-003	0.2774	0.0732	1.2300e-003	0.0745		226.7194	226.7194	6.7000e-003	6.4300e-003	228.8037
Total	**0.1073**	**0.4520**	**0.9509**	**4.0500e-003**	**0.3413**	**4.2600e-003**	**0.3456**	**0.0920**	**4.0300e-003**	**0.0961**		**420.9639**	**420.9639**	**8.7100e-003**	**0.0352**	**431.6760**

Date: 8/25/2021 9:25 AM

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**0.0792**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0125	0.3902	0.1726	1.8300e-003	0.0652	2.9300e-003	0.0682	0.0188	2.8000e-003	0.0216		194.2445	194.2445	2.0100e-003	0.0288	202.8723
Worker	0.0948	0.0618	0.7783	2.2200e-003	0.2761	1.3300e-003	0.2774	0.0732	1.2300e-003	0.0745		226.7194	226.7194	6.7000e-003	6.4300e-003	228.8037
Total	**0.1073**	**0.4520**	**0.9509**	**4.0500e-003**	**0.3413**	**4.2600e-003**	**0.3456**	**0.0920**	**4.0300e-003**	**0.0961**		**420.9639**	**420.9639**	**8.7100e-003**	**0.0352**	**431.6760**

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Building Renovation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**0.2410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0123	0.3901	0.1708	1.8000e-003	0.0652	2.9100e-003	0.0682	0.0188	2.7800e-003	0.0216		191.2531	191.2531	2.0700e-003	0.0283	199.7378
Worker	0.0885	0.0552	0.7303	2.1500e-003	0.2761	1.2700e-003	0.2774	0.0732	1.1700e-003	0.0744		221.2890	221.2890	6.0900e-003	5.9900e-003	223.2251
Total	**0.1009**	**0.4454**	**0.9011**	**3.9500e-003**	**0.3413**	**4.1800e-003**	**0.3455**	**0.0920**	**3.9500e-003**	**0.0960**		**412.5421**	**412.5421**	**8.1600e-003**	**0.0343**	**422.9629**

Mitigated Construction On-Site

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**0.0792**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0123	0.3901	0.1708	1.8000e-003	0.0652	2.9100e-003	0.0682	0.0188	2.7800e-003	0.0216		191.2531	191.2531	2.0700e-003	0.0283	199.7378
Worker	0.0885	0.0552	0.7303	2.1500e-003	0.2761	1.2700e-003	0.2774	0.0732	1.1700e-003	0.0744		221.2890	221.2890	6.0900e-003	5.9900e-003	223.2251
Total	**0.1009**	**0.4454**	**0.9011**	**3.9500e-003**	**0.3413**	**4.1800e-003**	**0.3455**	**0.0920**	**3.9500e-003**	**0.0960**		**412.5421**	**412.5421**	**8.1600e-003**	**0.0343**	**422.9629**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
NaturalGas Unmitigated	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1861.52	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Total		**0.0201**	**0.1825**	**0.1533**	**1.1000e-003**		**0.0139**	**0.0139**		**0.0139**	**0.0139**		**219.0020**	**219.0020**	**4.2000e-003**	**4.0200e-003**	**220.3034**

Mitigated

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1.86152	0.0201	0.1825	0.1533	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.0020	219.0020	4.2000e-003	4.0200e-003	220.3034
Total		**0.0201**	**0.1825**	**0.1533**	**1.1000e-003**		**0.0139**	**0.0139**		**0.0139**	**0.0139**		**219.0020**	**219.0020**	**4.2000e-003**	**4.0200e-003**	**220.3034**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Unmitigated	2.1704	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory	lb/day										lb/day					
Architectural Coating	0.4964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Total	**2.1704**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0171**	**0.0171**	**4.0000e-005**		**0.0182**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0171	0.0171	4.0000e-005		0.0182
Total	**2.1704**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0171**	**0.0171**	**4.0000e-005**		**0.0182**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 5-6)

Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	5.13	1000sqft	0.80	5,133.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Renovation of 5,133 sf.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Building renovation equipment per applicant.

Off-road Equipment - Paving equipment per applicant.

Trips and VMT - Vedor trips for paving.

Vehicle Trips - Construction only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	88.00
tblConstructionPhase	NumDays	5.00	88.00
tblLandUse	LandUseSquareFeet	5,130.00	5,133.00
tblLandUse	LotAcreage	0.12	0.80
tblOnRoadDust	PhaseName	Building Construction	Building Renovation
tblTripsAndVMT	PhaseName	Building Construction	Building Renovation
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1903	9.1822	12.1297	0.0276	0.1155	0.4021	0.5175	0.0310	0.3764	0.4074	0.0000	2,673.0524	2,673.0524	0.7240	8.6300e-003	2,693.7246

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Maximum	**1.1903**	**9.1822**	**12.1297**	**0.0276**	**0.1155**	**0.4021**	**0.5175**	**0.0310**	**0.3764**	**0.4074**	**0.0000**	**2,673.0524**	**2,673.0524**	**0.7240**	**8.6300e-003**	**2,693.7246**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.6646	12.9220	16.7107	0.0276	0.1155	0.6558	0.7712	0.0310	0.6557	0.6867	0.0000	2,673.0524	2,673.0524	0.7240	8.6300e-003	2,693.7246
Maximum	**0.6646**	**12.9220**	**16.7107**	**0.0276**	**0.1155**	**0.6558**	**0.7712**	**0.0310**	**0.6557**	**0.6867**	**0.0000**	**2,673.0524**	**2,673.0524**	**0.7240**	**8.6300e-003**	**2,693.7246**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**44.17**	**-40.73**	**-37.77**	**0.00**	**0.00**	**-63.10**	**-49.02**	**0.00**	**-74.19**	**-68.55**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1438**	**0.0120**	**0.0106**	**7.0000e-005**	**0.0000**	**9.1000e-004**	**9.1000e-004**	**0.0000**	**9.1000e-004**	**9.1000e-004**		**14.3785**	**14.3785**	**2.8000e-004**	**2.6000e-004**	**14.4640**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Energy	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1438**	**0.0120**	**0.0106**	**7.0000e-005**	**0.0000**	**9.1000e-004**	**9.1000e-004**	**0.0000**	**9.1000e-004**	**9.1000e-004**		**14.3785**	**14.3785**	**2.8000e-004**	**2.6000e-004**	**14.4640**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1	Building Renovation	Building Construction	6/11/2024	10/10/2024	5	88	
2	Paving	Paving	6/11/2024	10/10/2024	5	88	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Renovation	Air Compressors	1	8.00	78	0.48
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Renovation	1	2.00	1.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	2.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Renovation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**0.2410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0300e-003	0.0283	0.0127	1.4000e-004	5.0200e-003	2.2000e-004	5.2400e-003	1.4500e-003	2.1000e-004	1.6600e-003		14.6662	14.6662	1.6000e-004	2.1700e-003	15.3164
Worker	5.8500e-003	3.2300e-003	0.0536	1.4000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		14.7915	14.7915	3.6000e-004	3.5000e-004	14.9062
Total	**6.8800e-003**	**0.0315**	**0.0663**	**2.8000e-004**	**0.0218**	**3.0000e-004**	**0.0221**	**5.8900e-003**	**2.8000e-004**	**6.1700e-003**		**29.4577**	**29.4577**	**5.2000e-004**	**2.5200e-003**	**30.2225**

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**0.0792**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0300e-003	0.0283	0.0127	1.4000e-004	5.0200e-003	2.2000e-004	5.2400e-003	1.4500e-003	2.1000e-004	1.6600e-003		14.6662	14.6662	1.6000e-004	2.1700e-003	15.3164
Worker	5.8500e-003	3.2300e-003	0.0536	1.4000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		14.7915	14.7915	3.6000e-004	3.5000e-004	14.9062
Total	**6.8800e-003**	**0.0315**	**0.0663**	**2.8000e-004**	**0.0218**	**3.0000e-004**	**0.0221**	**5.8900e-003**	**2.8000e-004**	**6.1700e-003**		**29.4577**	**29.4577**	**5.2000e-004**	**2.5200e-003**	**30.2225**

3.3 Paving - 2024

Unmitigated Construction On-Site

Date: 7/29/2021 9:28 AM

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9111	7.4530	9.3565	0.0224		0.3197	0.3197		0.2942	0.2942		2,165.0407	2,165.0407	0.7002		2,182.5462
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9111**	**7.4530**	**9.3565**	**0.0224**		**0.3197**	**0.3197**		**0.2942**	**0.2942**		**2,165.0407**	**2,165.0407**	**0.7002**		**2,182.5462**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0700e-003	0.0565	0.0254	2.8000e-004	0.0100	4.5000e-004	0.0105	2.8900e-003	4.3000e-004	3.3200e-003		29.3324	29.3324	3.3000e-004	4.3400e-003	30.6328
Worker	0.0292	0.0161	0.2680	7.2000e-004	0.0837	3.9000e-004	0.0841	0.0222	3.6000e-004	0.0226		73.9575	73.9575	1.8100e-003	1.7700e-003	74.5308
Total	**0.0313**	**0.0727**	**0.2934**	**1.0000e-003**	**0.0937**	**8.4000e-004**	**0.0945**	**0.0251**	**7.9000e-004**	**0.0259**		**103.2899**	**103.2899**	**2.1400e-003**	**6.1100e-003**	**105.1635**

Mitigated Construction On-Site

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5472	11.0085	13.9078	0.0224		0.5279	0.5279		0.5279	0.5279	0.0000	2,165.0407	2,165.0407	0.7002		2,182.5462
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5472**	**11.0085**	**13.9078**	**0.0224**		**0.5279**	**0.5279**		**0.5279**	**0.5279**	**0.0000**	**2,165.0407**	**2,165.0407**	**0.7002**		**2,182.5462**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0700e-003	0.0565	0.0254	2.8000e-004	0.0100	4.5000e-004	0.0105	2.8900e-003	4.3000e-004	3.3200e-003		29.3324	29.3324	3.3000e-004	4.3400e-003	30.6328
Worker	0.0292	0.0161	0.2680	7.2000e-004	0.0837	3.9000e-004	0.0841	0.0222	3.6000e-004	0.0226		73.9575	73.9575	1.8100e-003	1.7700e-003	74.5308
Total	**0.0313**	**0.0727**	**0.2934**	**1.0000e-003**	**0.0937**	**8.4000e-004**	**0.0945**	**0.0251**	**7.9000e-004**	**0.0259**		**103.2899**	**103.2899**	**2.1400e-003**	**6.1100e-003**	**105.1635**

4.0 Operational Detail - Mobile

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
NaturalGas Unmitigated	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	122.208	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Total		**1.3200e-003**	**0.0120**	**0.0101**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**		**14.3774**	**14.3774**	**2.8000e-004**	**2.6000e-004**	**14.4628**

Mitigated

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	0.122208	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Total		**1.3200e-003**	**0.0120**	**0.0101**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**		**14.3774**	**14.3774**	**2.8000e-004**	**2.6000e-004**	**14.4628**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Unmitigated	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003

6.2 Area by SubCategory

Unmitigated

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0326					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1099					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Total	**0.1425**	**0.0000**	**5.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1200e-003**	**1.1200e-003**	**0.0000**		**1.2000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0326					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1099					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Total	**0.1425**	**0.0000**	**5.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1200e-003**	**1.1200e-003**	**0.0000**		**1.2000e-003**

7.0 Water Detail

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 5-6)

Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	5.13	1000sqft	0.80	5,133.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Renovation of 5,133 sf.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Building renovation equipment per applicant.

Off-road Equipment - Paving equipment per applicant.

Trips and VMT - Vedor trips for paving.

Vehicle Trips - Construction only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	88.00
tblConstructionPhase	NumDays	5.00	88.00
tblLandUse	LandUseSquareFeet	5,130.00	5,133.00
tblLandUse	LotAcreage	0.12	0.80
tblOnRoadDust	PhaseName	Building Construction	Building Renovation
tblTripsAndVMT	PhaseName	Building Construction	Building Renovation
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1872	9.1882	12.0750	0.0275	0.1155	0.4021	0.5175	0.0310	0.3764	0.4074	0.0000	2,664.9089	2,664.9089	0.7241	8.7000e-003	2,685.6046

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Maximum	**1.1872**	**9.1882**	**12.0750**	**0.0275**	**0.1155**	**0.4021**	**0.5175**	**0.0310**	**0.3764**	**0.4074**	**0.0000**	**2,664.9089**	**2,664.9089**	**0.7241**	**8.7000e-003**	**2,685.6046**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.6615	12.9279	16.6560	0.0275	0.1155	0.6558	0.7712	0.0310	0.6557	0.6867	0.0000	2,664.9089	2,664.9089	0.7241	8.7000e-003	2,685.6046
Maximum	**0.6615**	**12.9279**	**16.6560**	**0.0275**	**0.1155**	**0.6558**	**0.7712**	**0.0310**	**0.6557**	**0.6867**	**0.0000**	**2,664.9089**	**2,664.9089**	**0.7241**	**8.7000e-003**	**2,685.6046**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**44.28**	**-40.70**	**-37.94**	**0.00**	**0.00**	**-63.10**	**-49.02**	**0.00**	**-74.19**	**-68.55**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1438**	**0.0120**	**0.0106**	**7.0000e-005**	**0.0000**	**9.1000e-004**	**9.1000e-004**	**0.0000**	**9.1000e-004**	**9.1000e-004**		**14.3785**	**14.3785**	**2.8000e-004**	**2.6000e-004**	**14.4640**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Energy	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1438**	**0.0120**	**0.0106**	**7.0000e-005**	**0.0000**	**9.1000e-004**	**9.1000e-004**	**0.0000**	**9.1000e-004**	**9.1000e-004**		**14.3785**	**14.3785**	**2.8000e-004**	**2.6000e-004**	**14.4640**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1	Building Renovation	Building Construction	6/11/2024	10/10/2024	5	88	
2	Paving	Paving	6/11/2024	10/10/2024	5	88	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Renovation	Air Compressors	1	8.00	78	0.48
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Renovation	1	2.00	1.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	2.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Renovation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**0.2410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0300	0.0131	1.4000e-004	5.0200e-003	2.2000e-004	5.2400e-003	1.4500e-003	2.1000e-004	1.6600e-003		14.7118	14.7118	1.6000e-004	2.1800e-003	15.3645
Worker	5.3700e-003	3.3500e-003	0.0443	1.3000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.4115	13.4115	3.7000e-004	3.6000e-004	13.5288
Total	**6.3200e-003**	**0.0334**	**0.0574**	**2.7000e-004**	**0.0218**	**3.0000e-004**	**0.0221**	**5.8900e-003**	**2.8000e-004**	**6.1700e-003**		**28.1232**	**28.1232**	**5.3000e-004**	**2.5400e-003**	**28.8932**

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**0.0792**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0300	0.0131	1.4000e-004	5.0200e-003	2.2000e-004	5.2400e-003	1.4500e-003	2.1000e-004	1.6600e-003		14.7118	14.7118	1.6000e-004	2.1800e-003	15.3645
Worker	5.3700e-003	3.3500e-003	0.0443	1.3000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.4115	13.4115	3.7000e-004	3.6000e-004	13.5288
Total	**6.3200e-003**	**0.0334**	**0.0574**	**2.7000e-004**	**0.0218**	**3.0000e-004**	**0.0221**	**5.8900e-003**	**2.8000e-004**	**6.1700e-003**		**28.1232**	**28.1232**	**5.3000e-004**	**2.5400e-003**	**28.8932**

3.3 Paving - 2024

Unmitigated Construction On-Site

Date: 7/29/2021 9:27 AM

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9111	7.4530	9.3565	0.0224		0.3197	0.3197		0.2942	0.2942		2,165.0407	2,165.0407	0.7002		2,182.5462
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9111**	**7.4530**	**9.3565**	**0.0224**		**0.3197**	**0.3197**		**0.2942**	**0.2942**		**2,165.0407**	**2,165.0407**	**0.7002**		**2,182.5462**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0600	0.0263	2.8000e-004	0.0100	4.5000e-004	0.0105	2.8900e-003	4.3000e-004	3.3200e-003		29.4236	29.4236	3.2000e-004	4.3500e-003	30.7289
Worker	0.0268	0.0167	0.2213	6.5000e-004	0.0837	3.9000e-004	0.0841	0.0222	3.6000e-004	0.0226		67.0573	67.0573	1.8500e-003	1.8100e-003	67.6440
Total	**0.0287**	**0.0768**	**0.2476**	**9.3000e-004**	**0.0937**	**8.4000e-004**	**0.0945**	**0.0251**	**7.9000e-004**	**0.0259**		**96.4808**	**96.4808**	**2.1700e-003**	**6.1600e-003**	**98.3729**

Mitigated Construction On-Site

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5472	11.0085	13.9078	0.0224		0.5279	0.5279		0.5279	0.5279	0.0000	2,165.0407	2,165.0407	0.7002		2,182.5462
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5472**	**11.0085**	**13.9078**	**0.0224**		**0.5279**	**0.5279**		**0.5279**	**0.5279**	**0.0000**	**2,165.0407**	**2,165.0407**	**0.7002**		**2,182.5462**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0600	0.0263	2.8000e-004	0.0100	4.5000e-004	0.0105	2.8900e-003	4.3000e-004	3.3200e-003		29.4236	29.4236	3.2000e-004	4.3500e-003	30.7289
Worker	0.0268	0.0167	0.2213	6.5000e-004	0.0837	3.9000e-004	0.0841	0.0222	3.6000e-004	0.0226		67.0573	67.0573	1.8500e-003	1.8100e-003	67.6440
Total	**0.0287**	**0.0768**	**0.2476**	**9.3000e-004**	**0.0937**	**8.4000e-004**	**0.0945**	**0.0251**	**7.9000e-004**	**0.0259**		**96.4808**	**96.4808**	**2.1700e-003**	**6.1600e-003**	**98.3729**

4.0 Operational Detail - Mobile

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
NaturalGas Unmitigated	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	122.208	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Total		**1.3200e-003**	**0.0120**	**0.0101**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**		**14.3774**	**14.3774**	**2.8000e-004**	**2.6000e-004**	**14.4628**

Mitigated

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	0.122208	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		14.3774	14.3774	2.8000e-004	2.6000e-004	14.4628
Total		**1.3200e-003**	**0.0120**	**0.0101**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**		**14.3774**	**14.3774**	**2.8000e-004**	**2.6000e-004**	**14.4628**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Unmitigated	0.1425	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003

6.2 Area by SubCategory

Unmitigated

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0326					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1099					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Total	**0.1425**	**0.0000**	**5.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1200e-003**	**1.1200e-003**	**0.0000**		**1.2000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0326					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1099					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1200e-003	1.1200e-003	0.0000		1.2000e-003
Total	**0.1425**	**0.0000**	**5.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1200e-003**	**1.1200e-003**	**0.0000**		**1.2000e-003**

7.0 Water Detail

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

JWMS Operation (Existing)

Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	1,695.00	Student	20.00	108,640.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing operational emissions.

Land Use - Project site is approximately 20 acres.

Construction Phase - Operation only.

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Use -

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/26/2021
tblLandUse	LandUseSquareFeet	199,267.05	108,640.00
tblLandUse	LotAcreage	4.57	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4791	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Energy	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
Mobile	11.8759	16.7826	104.4751	0.2170	19.8583	0.2552	20.1134	5.3002	0.2407	5.5409		22,104.0198	22,104.0198	1.2131	1.1151	22,466.6438
Total	**14.3865**	**17.0713**	**104.8900**	**0.2188**	**19.8583**	**0.2776**	**20.1359**	**5.3002**	**0.2632**	**5.5633**		**22,448.9573**	**22,448.9573**	**1.2207**	**1.1214**	**22,813.6535**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	lb/day										lb/day					
Area	2.3053	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Energy	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
Mobile	11.8759	16.7826	104.4751	0.2170	19.8583	0.2552	20.1134	5.3002	0.2407	5.5409		22,104.0198	22,104.0198	1.2131	1.1151	22,466.6438
Total	**14.2127**	**17.0713**	**104.8900**	**0.2188**	**19.8583**	**0.2776**	**20.1359**	**5.3002**	**0.2632**	**5.5633**		**22,448.9573**	**22,448.9573**	**1.2207**	**1.1214**	**22,813.6535**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/27/2021	7/26/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.8759	16.7826	104.4751	0.2170	19.8583	0.2552	20.1134	5.3002	0.2407	5.5409		22,104.0198	22,104.0198	1.2131	1.1151	22,466.6438
Unmitigated	11.8759	16.7826	104.4751	0.2170	19.8583	0.2552	20.1134	5.3002	0.2407	5.5409		22,104.0198	22,104.0198	1.2131	1.1151	22,466.6438

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	3,610.35	0.00	0.00	6,708,273	6,708,273
Total	3,610.35	0.00	0.00	6,708,273	6,708,273

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.526952	0.055595	0.171420	0.146684	0.028082	0.007534	0.012170	0.018914	0.000644	0.000327	0.024492	0.001104	0.006082

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
NaturalGas Unmitigated	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2928.82	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total		**0.0316**	**0.2871**	**0.2412**	**1.7200e-003**		**0.0218**	**0.0218**		**0.0218**	**0.0218**		**344.5665**	**344.5665**	**6.6000e-003**	**6.3200e-003**	**346.6141**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2.92882	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
Total		**0.0316**	**0.2871**	**0.2412**	**1.7200e-003**		**0.0218**	**0.0218**		**0.0218**	**0.0218**		**344.5665**	**344.5665**	**6.6000e-003**	**6.3200e-003**	**346.6141**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3053	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Unmitigated	2.4791	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3249					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0162	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Total	**2.4791**	**1.5900e-003**	**0.1737**	**1.0000e-005**		**6.2000e-004**	**6.2000e-004**		**6.2000e-004**	**6.2000e-004**		**0.3710**	**0.3710**	**9.9000e-004**		**0.3956**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

SubCategory	lb/day										lb/day					
Architectural Coating	0.1380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0162	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Total	**2.3053**	**1.5900e-003**	**0.1737**	**1.0000e-005**		**6.2000e-004**	**6.2000e-004**		**6.2000e-004**	**6.2000e-004**		**0.3710**	**0.3710**	**9.9000e-004**		**0.3956**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

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JWMS Operation (Existing) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

JWMS Operation (Existing)

Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	1,695.00	Student	20.00	108,640.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing operational emissions.

Land Use - Project site is approximately 20 acres.

Construction Phase - Operation only.

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Use -

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/26/2021
tblLandUse	LandUseSquareFeet	199,267.05	108,640.00
tblLandUse	LotAcreage	4.57	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4791	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Energy	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
Mobile	10.0171	17.7013	92.8221	0.2015	19.8583	0.2555	20.1137	5.3002	0.2410	5.5412		20,533.9231	20,533.9231	1.2535	1.1384	20,904.4890
Total	**12.5277**	**17.9900**	**93.2370**	**0.2032**	**19.8583**	**0.2779**	**20.1362**	**5.3002**	**0.2634**	**5.5636**		**20,878.8606**	**20,878.8606**	**1.2611**	**1.1447**	**21,251.4987**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	lb/day										lb/day					
Area	2.3053	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Energy	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
Mobile	10.0171	17.7013	92.8221	0.2015	19.8583	0.2555	20.1137	5.3002	0.2410	5.5412		20,533.9231	20,533.9231	1.2535	1.1384	20,904.4890
Total	**12.3539**	**17.9900**	**93.2370**	**0.2032**	**19.8583**	**0.2779**	**20.1362**	**5.3002**	**0.2634**	**5.5636**		**20,878.8606**	**20,878.8606**	**1.2611**	**1.1447**	**21,251.4987**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/27/2021	7/26/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Date: 7/27/2021 2:56 PM

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.0171	17.7013	92.8221	0.2015	19.8583	0.2555	20.1137	5.3002	0.2410	5.5412		20,533.9231	20,533.9231	1.2535	1.1384	20,904.4890
Unmitigated	10.0171	17.7013	92.8221	0.2015	19.8583	0.2555	20.1137	5.3002	0.2410	5.5412		20,533.9231	20,533.9231	1.2535	1.1384	20,904.4890

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	3,610.35	0.00	0.00	6,708,273	6,708,273
Total	3,610.35	0.00	0.00	6,708,273	6,708,273

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.526952	0.055595	0.171420	0.146684	0.028082	0.007534	0.012170	0.018914	0.000644	0.000327	0.024492	0.001104	0.006082

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
NaturalGas Unmitigated	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2928.82	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total		**0.0316**	**0.2871**	**0.2412**	**1.7200e-003**		**0.0218**	**0.0218**		**0.0218**	**0.0218**		**344.5665**	**344.5665**	**6.6000e-003**	**6.3200e-003**	**346.6141**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2.92882	0.0316	0.2871	0.2412	1.7200e-003		0.0218	0.0218		0.0218	0.0218		344.5665	344.5665	6.6000e-003	6.3200e-003	346.6141
Total		**0.0316**	**0.2871**	**0.2412**	**1.7200e-003**		**0.0218**	**0.0218**		**0.0218**	**0.0218**		**344.5665**	**344.5665**	**6.6000e-003**	**6.3200e-003**	**346.6141**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3053	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Unmitigated	2.4791	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3249					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0162	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Total	**2.4791**	**1.5900e-003**	**0.1737**	**1.0000e-005**		**6.2000e-004**	**6.2000e-004**		**6.2000e-004**	**6.2000e-004**		**0.3710**	**0.3710**	**9.9000e-004**		**0.3956**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

SubCategory	lb/day										lb/day					
Architectural Coating	0.1380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0162	1.5900e-003	0.1737	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.3710	0.3710	9.9000e-004		0.3956
Total	**2.3053**	**1.5900e-003**	**0.1737**	**1.0000e-005**		**6.2000e-004**	**6.2000e-004**		**6.2000e-004**	**6.2000e-004**		**0.3710**	**0.3710**	**9.9000e-004**		**0.3956**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

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JWMS Operation (Existing) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Operation (Project)

Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	1,695.00	Student	20.00	114,152.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project operational emissions.

Land Use - Project site is approximately 20 acres.

Construction Phase - Operation only.

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/26/2021
tblLandUse	LandUseSquareFeet	199,267.05	114,152.00
tblLandUse	LotAcreage	4.57	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6037	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Energy	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Mobile	9.6917	11.2094	84.2706	0.1897	19.8403	0.1464	19.9867	5.2926	0.1371	5.4298		19,792.9518	19,792.9518	0.9875	0.9224	20,092.5219
Total	**12.3247**	**11.4774**	**84.6670**	**0.1913**	**19.8403**	**0.1673**	**20.0075**	**5.2926**	**0.1580**	**5.4507**		**20,113.0587**	**20,113.0587**	**0.9946**	**0.9283**	**20,414.5530**

Mitigated Operational

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4211	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Energy	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Mobile	9.6917	11.2094	84.2706	0.1897	19.8403	0.1464	19.9867	5.2926	0.1371	5.4298		19,792.9518	19,792.9518	0.9875	0.9224	20,092.5219
Total	**12.1421**	**11.4774**	**84.6670**	**0.1913**	**19.8403**	**0.1673**	**20.0075**	**5.2926**	**0.1580**	**5.4507**		**20,113.0587**	**20,113.0587**	**0.9946**	**0.9283**	**20,414.5530**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.48**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/27/2021	7/26/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.6917	11.2094	84.2706	0.1897	19.8403	0.1464	19.9867	5.2926	0.1371	5.4298		19,792.9518	19,792.9518	0.9875	0.9224	20,092.5219
Unmitigated	9.6917	11.2094	84.2706	0.1897	19.8403	0.1464	19.9867	5.2926	0.1371	5.4298		19,792.9518	19,792.9518	0.9875	0.9224	20,092.5219

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	3,610.35	0.00	0.00	6,708,273	6,708,273
Total	3,610.35	0.00	0.00	6,708,273	6,708,273

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
NaturalGas Unmitigated	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2717.76	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Total		**0.0293**	**0.2665**	**0.2238**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**319.7360**	**319.7360**	**6.1300e-003**	**5.8600e-003**	**321.6360**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2.71776	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Total		**0.0293**	**0.2665**	**0.2238**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**319.7360**	**319.7360**	**6.1300e-003**	**5.8600e-003**	**321.6360**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4211	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Unmitigated	2.6037	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0159	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Total	**2.6037**	**1.5600e-003**	**0.1726**	**1.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**		**0.3710**	**0.3710**	**9.6000e-004**		**0.3951**

Mitigated

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2602					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0159	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Total	**2.4211**	**1.5600e-003**	**0.1726**	**1.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**		**0.3710**	**0.3710**	**9.6000e-004**		**0.3951**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

JWMS Operation (Project) - Riverside-Salton Sea County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Operation (Project)

Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	1,695.00	Student	20.00	114,152.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project operational emissions.

Land Use - Project site is approximately 20 acres.

Construction Phase - Operation only.

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/26/2021
tblLandUse	LandUseSquareFeet	199,267.05	114,152.00
tblLandUse	LotAcreage	4.57	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2021	0.0000	0.0000	0.0000	0.0000	0.0000	1.5520	0.0000	0.0000	1.4417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.5520**	**0.0000**	**0.0000**	**1.4417**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6037	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Energy	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Mobile	8.1104	11.8971	75.5733	0.1762	19.8403	0.1465	19.9868	5.2926	0.1373	5.4299		18,392.6866	18,392.6866	1.0198	0.9421	18,698.9264
Total	**10.7434**	**12.1651**	**75.9698**	**0.1778**	**19.8403**	**0.1674**	**20.0077**	**5.2926**	**0.1581**	**5.4508**		**18,712.7935**	**18,712.7935**	**1.0269**	**0.9480**	**19,020.9575**

Mitigated Operational

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4211	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Energy	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Mobile	8.1104	11.8971	75.5733	0.1762	19.8403	0.1465	19.9868	5.2926	0.1373	5.4299		18,392.6866	18,392.6866	1.0198	0.9421	18,698.9264
Total	**10.5607**	**12.1651**	**75.9698**	**0.1778**	**19.8403**	**0.1674**	**20.0077**	**5.2926**	**0.1581**	**5.4508**		**18,712.7935**	**18,712.7935**	**1.0269**	**0.9480**	**19,020.9575**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.70**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/27/2021	7/26/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.1104	11.8971	75.5733	0.1762	19.8403	0.1465	19.9868	5.2926	0.1373	5.4299		18,392.6866	18,392.6866	1.0198	0.9421	18,698.9264
Unmitigated	8.1104	11.8971	75.5733	0.1762	19.8403	0.1465	19.9868	5.2926	0.1373	5.4299		18,392.6866	18,392.6866	1.0198	0.9421	18,698.9264

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	3,610.35	0.00	0.00	6,708,273	6,708,273
Total	3,610.35	0.00	0.00	6,708,273	6,708,273

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
NaturalGas Unmitigated	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2717.76	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Total		**0.0293**	**0.2665**	**0.2238**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**319.7360**	**319.7360**	**6.1300e-003**	**5.8600e-003**	**321.6360**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	2.71776	0.0293	0.2665	0.2238	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7360	319.7360	6.1300e-003	5.8600e-003	321.6360
Total		**0.0293**	**0.2665**	**0.2238**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**319.7360**	**319.7360**	**6.1300e-003**	**5.8600e-003**	**321.6360**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

Date: 7/27/2021 3:08 PM

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4211	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Unmitigated	2.6037	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0159	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Total	**2.6037**	**1.5600e-003**	**0.1726**	**1.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**		**0.3710**	**0.3710**	**9.6000e-004**		**0.3951**

Mitigated

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2602					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0159	1.5600e-003	0.1726	1.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		0.3710	0.3710	9.6000e-004		0.3951
Total	**2.4211**	**1.5600e-003**	**0.1726**	**1.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**		**0.3710**	**0.3710**	**9.6000e-004**		**0.3951**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

JWMS Operation (Project) - Riverside-Salton Sea County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX B

Biology

CNDDB 9-Quad Species List 427 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Rana muscosa	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311665	PALM VIEW PEAK	Mapped	Animals - Amphibians - Ranidae - Rana muscosa
Animals - Amphibians	Rana muscosa	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - Rana muscosa
Animals - Arachnids	Calileptoneta oasa	Andreas Canyon leptonetid spider	ILARAU6020	None	None	-	-	3311675	PALM SPRINGS	Mapped	Animals - Arachnids - Leptonetidae - Calileptoneta oasa
Animals - Arachnids	Calileptoneta oasa	Andreas Canyon leptonetid spider	ILARAU6020	None	None	-	-	3311665	PALM VIEW PEAK	Mapped	Animals - Arachnids - Leptonetidae - Calileptoneta oasa
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos

Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Aythya americana	redhead	ABNJB11030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Anatidae - Aythya americana
Animals - Birds	Aythya valisineria	canvasback	ABNJB11020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Anatidae - Aythya valisineria
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Cypseloides niger	black swift	ABNUA01010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Apodidae - Cypseloides niger
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra

Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Gavia immer	common loon	ABNBA01030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Gaviidae - Gavia immer
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Hirundinidae - Progne subis
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus

Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Laridae - Larus californicus
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia

Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Passerellidae - Artemisiospiza belli belli
Animals - Birds	Melozone aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Melozone aberti
Animals - Birds	Passerculus sandwichensis alaudinus	Bryant's savannah sparrow	ABPBX99011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis alaudinus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Phalacrocorax auritus	double-crested cormorant	ABNFD01020	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Phalacrocoracidae - Phalacrocorax auritus
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Birds - Polioptilidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Birds - Polioptilidae - Polioptila californica californica
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311663	LA QUINTA	Mapped	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura

Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311664	RANCHO MIRAGE	Mapped	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311664	RANCHO MIRAGE	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi

Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Pyrocephalus rubinus	vermilion flycatcher	ABPAE36010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	Candidate Endangered	-	-	3311675	PALM SPRINGS	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	Candidate Endangered	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311673	MYOMA	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Ithonidae - Oliarces clara

Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Stenopelmatus cahuilaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Stenopelmatidae - Stenopelmatus cahuilaensis
Animals - Insects	Stenopelmatus cahuilaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Stenopelmatidae - Stenopelmatus cahuilaensis
Animals - Insects	Stenopelmatus cahuilaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Insects - Stenopelmatidae - Stenopelmatus cahuilaensis
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni

Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Neotoma albigula venusta	Colorado Valley woodrat	AMAFF08031	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Mammals - Cricetidae - Neotoma albigula venusta
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311673	MYOMA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus

Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys simulans	Dulzura kangaroo rat	AMAFD03170	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys simulans
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi

Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops macrotis	big free-tailed bat	AMACD04020	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Molossidae - Nyctinomops macrotis
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus

Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnail	IMGASB9070	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnail	IMGASB9070	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Reptiles	Arizona elegans occidentalis	California glossy snake	ARADB01017	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Colubridae - Arizona elegans occidentalis
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Thamnophis hammondii	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondii
Animals - Reptiles	Thamnophis hammondii	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii

Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311663	LA QUINTA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii

Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311665	PALM VIEW PEAK	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311663	LA QUINTA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311673	MYOMA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311684	SEVEN PALMS VALLEY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Mesquite Bosque	Mesquite Bosque	CTT61820CA	None	None	-	-	3311685	DESERT HOT SPRINGS	Mapped	Community - Terrestrial - Mesquite Bosque
Community - Terrestrial	Southern Riparian Forest	Southern Riparian Forest	CTT61300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Southern Riparian Forest
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	None	-	-	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Allium atrorubens var. cristatum	Inyo onion	PMLIL02063	None	None	-	4.3	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Alliaceae - Allium atrorubens var. cristatum
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia

Plants - Vascular	Almutaster pauciflorus	alkali marsh aster	PDASTEL010	None	None	-	2B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Asteraceae - Almutaster pauciflorus
Plants - Vascular	Almutaster pauciflorus	alkali marsh aster	PDASTEL010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Almutaster pauciflorus
Plants - Vascular	Ambrosia monogyra	singlewhorl burrobrush	PDAST50010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Ambrosia monogyra
Plants - Vascular	Chaenactis parishii	Parish's chaenactis	PDAST200D0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Asteraceae - Chaenactis parishii
Plants - Vascular	Deinandra mohavensis	Mojave tarplant	PDAST4R0K0	None	Endangered	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Asteraceae - Deinandra mohavensis
Plants - Vascular	Erigeron parishii	Parish's daisy	PDAST3M310	Threatened	None	-	1B.1	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Asteraceae - Erigeron parishii
Plants - Vascular	Hulsea vestita ssp. callicarpha	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpha
Plants - Vascular	Hulsea vestita ssp. callicarpha	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpha
Plants - Vascular	Pentachaeta aurea ssp. aurea	golden-rayed pentachaeta	PDAST6X022	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Pentachaeta aurea ssp. aurea
Plants - Vascular	Syntrichopappus lemmonii	Lemmon's syntrichopappus	PDAST90020	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Syntrichopappus lemmonii
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera

Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Boechera johnstonii	Johnston's rockcress	PDBRA060Y0	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - Boechera johnstonii
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris
Plants - Vascular	Thysanocarpus rigidus	rigid fringepod	PDBRA2Q070	None	None	-	1B.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Brassicaceae - Thysanocarpus rigidus
Plants - Vascular	Nemacladus gracilis	graceful nemacladus	PDCAM0F030	None	None	-	4.3	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Campanulaceae - Nemacladus gracilis
Plants - Vascular	Atriplex parishii	Parish's brittlescale	PDCHE041D0	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Chenopodiaceae - Atriplex parishii
Plants - Vascular	Cuscuta californica var. apiculata	pointed dodder	PDCUS01071	None	None	-	3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Convolvulaceae - Cuscuta californica var. apiculata
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica

Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia misera	cliff spurge	PDEUP0Q1B0	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia misera
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Acmispon haydonii	pygmy lotus	PDFAB2A0H0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Acmispon haydonii
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311673	MYOMA	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae

Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus preussii var. laxiflorus	Lancaster milk-vetch	PDFAB0F721	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Astragalus preussii var. laxiflorus
Plants - Vascular	Astragalus tricarinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarinatus
Plants - Vascular	Astragalus tricarinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus tricarinatus
Plants - Vascular	Astragalus tricarinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311673	MYOMA	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus tricarinatus
Plants - Vascular	Marina orcuttii var. orcuttii	California marina	PDFAB2F031	None	None	-	1B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Marina orcuttii var. orcuttii
Plants - Vascular	Marina orcuttii var. orcuttii	California marina	PDFAB2F031	None	None	-	1B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - Marina orcuttii var. orcuttii
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Juncus acutus ssp. leopoldii	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Juncaceae - Juncus acutus ssp. leopoldii
Plants - Vascular	Juncus acutus ssp. leopoldii	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - Juncus acutus ssp. leopoldii
Plants - Vascular	Juncus acutus ssp. leopoldii	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Juncaceae - Juncus acutus ssp. leopoldii
Plants - Vascular	Juncus cooperi	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - Juncus cooperi
Plants - Vascular	Juncus cooperi	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Juncaceae - Juncus cooperi
Plants - Vascular	Calochortus palmeri var. munzii	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Liliaceae - Calochortus palmeri var. munzii
Plants - Vascular	Calochortus palmeri var. munzii	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Liliaceae - Calochortus palmeri var. munzii
Plants - Vascular	Lilium parryi	lemon lily	PMLIL1A0J0	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Liliaceae - Lilium parryi
Plants - Vascular	Mentzelia tricuspis	spiny-hair blazing star	PDLOA031T0	None	None	-	2B.1	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Loasaceae - Mentzelia tricuspis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta

Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311673	MYOMA	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Eremothera boothii ssp. boothii	Booth's evening-primrose	PDONA03052	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Onagraceae - Eremothera boothii ssp. boothii
Plants - Vascular	Eremothera boothii ssp. boothii	Booth's evening-primrose	PDONA03052	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Onagraceae - Eremothera boothii ssp. boothii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Erythranthe diffusa	Palomar monkeyflower	PDSCR1B0Z0	None	None	-	4.3	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Phrymaceae - Erythranthe diffusa
Plants - Vascular	Penstemon californicus	California beardtongue	PDSCR1L110	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon californicus
Plants - Vascular	Penstemon clevelandii var. connatus	San Jacinto beardtongue	PDSCR1L1D2	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon clevelandii var. connatus
Plants - Vascular	Pseudorontium cyathiferum	Deep Canyon snapdragon	PDSCR2R010	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - Pseudorontium cyathiferum
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia

Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Imperata brevifolia	California satintail	PMPOA3D020	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Poaceae - Imperata brevifolia
Plants - Vascular	Eriastrum harwoodii	Harwood's eriastrum	PDPLM030B1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum harwoodii
Plants - Vascular	Linanthus jaegeri	San Jacinto linanthus	PDPLM08030	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus jaegeri
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe parryi var. parryi	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. parryi
Plants - Vascular	Chorizanthe polygonoides var. longispina	long-spined spineflower	PDPGN040K1	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe polygonoides var. longispina
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Dodecahema leptoceras	slender-horned spineflower	PDPGN0V010	Endangered	Endangered	-	1B.1	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Dodecahema leptoceras

Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Sidotheca caryophylloides	chickweed oxytheca	PDPGN0J010	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Polygonaceae - Sidotheca caryophylloides
Plants - Vascular	Sidotheca emarginata	white-margined oxytheca	PDPGN0J030	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Sidotheca emarginata
Plants - Vascular	Galium angustifolium ssp. gracillimum	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. gracillimum
Plants - Vascular	Galium angustifolium ssp. gracillimum	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311684	SEVEN PALMS VALLEY	Unprocessed	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. gracillimum
Plants - Vascular	Galium angustifolium ssp. gracillimum	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. gracillimum
Plants - Vascular	Galium johnstonii	Johnston's bedstraw	PDRUB0N140	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Rubiaceae - Galium johnstonii
Plants - Vascular	Heuchera hirsutissima	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Saxifragaceae - Heuchera hirsutissima
Plants - Vascular	Heuchera hirsutissima	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Saxifragaceae - Heuchera hirsutissima
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila

Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Thelypteris puberula var. sonorensis	Sonoran maiden fern	PPTHE05192	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Thelypteridaceae - Thelypteris puberula var. sonorensis
Plants - Vascular	Aloysia wrightii	Wright's beebrush	PDVER02040	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Verbenaceae - Aloysia wrightii

CNDDB Quad Species List 30 records.

[M CNDDBMonthEnd].[dbo].[v QV API Elements by Quad]Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Birds - Polioptilidae - Polioptila californica californica
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Stenopelmatus cahuilaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Stenopelmatidae - Stenopelmatus cahuilaensis
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland

Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Cuscuta californica var. apiculata	pointed dodder	PDCUS01071	None	None	-	3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Convolvulaceae - Cuscuta californica var. apiculata
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi

JAMES W. CORNETT
ECOLOGICAL CONSULTANTS
(760) 320-8135

September 5, 2021

Kent Hems, Project Manager
Facilities Planning and Development
Palm Springs Unified School District
150 District Center Drive
Palm Springs, California 92264

Dear Mr. Hems:

On September 4, 2021, JWC Ecological Consultants conducted a reconnaissance-level biological resource survey at James Workman Middle School located in Cathedral City, Riverside County, California. The purpose of the survey was to determine the likelihood that significant biological resources—sensitive or listed plant and animal species or sensitive habitats—were present on, or immediately adjacent to, the existing school site. Such an evaluation was necessary as the District intends to relocate, renovate, remove, or install classroom and associated facilities within the school site boundaries. In addition to the field surveys, I reviewed the available literature sources dealing with sensitive species presence in the region.

I found the school site to be completely developed with buildings, playgrounds and regularly maintained lawns and landscaped areas covering the entire site. All parts of the site are completely accessible to the more than 1,200 students that attend the school. No natural and native plant communities existed within the school site boundaries and no sensitive species were observed or expected. For these reasons, I see no need or requirement to conduct comprehensive CEQA-level biological resource analyses on the site.

Additionally, as all parts the site are fully developed and visited five days each week by students and staff, the site experiences regular and repeated human disturbance making it unsuitable habitat for the fully protected burrowing owl, *Athene cunicularia*. As a result of this finding, I do not recommend, nor do state protocols require, surveys for this species before or during construction activities.

Please do not hesitate to contact me should you have any questions regarding my findings.

Sincerely,

James W. Cornett
Jwc/tb

P.O. BOX 846 PALM SPRINGS CA 92263 EMAIL JWCORNETT@AOL.COM

APPENDIX C

Cultural Resources Background Data

C.1

Cultural Resources Search Memo

PALEOWEST

T: 626.408.6
info@paleowest.com

LOS ANGELES COUNTY
517 S. Ivy Avenue
Monrovia, CA 91016

March 12, 2021

Christine Lan
Senior Project Manager
Meridian Consultants, LLC
706 S. Hill Street, 11th Floor
Los Angeles, CA 90014
Transmitted via email to CLan@meridianconsultantsllc.com

RE: Cultural Resource Inventory for the Palm Springs Unified School District Modernization Project: James Workman Middle School, Riverside County, California

Dear Ms. Lan:

At the request of Meridian Consultants, LLC, PaleoWest, LLC (PaleoWest) conducted a cultural resource inventory for the Palm Springs Unified School District (PSUSD) Modernization Project: James Workman Middle School, Riverside County, California. The cultural resource inventory was limited to a cultural resource literature review and records search of the California Historic Resource Information System (CHRIS) and a review of the Sacred Lands File (SLF) by the Native American Heritage Commission (NAHC). This memorandum summarizes the results of the cultural resource inventory efforts for the Project.

The literature review and records search was conducted on February 16, 2021 by Eulices Lopez, Administrative/Coordinator Assistant at the Eastern Information Center (EIC) housed at University of California, Riverside. The records search included the 21-acre Project area as well as a half-mile (0.5 mile) radius. The purpose of the records search was to identify any known cultural resources within the immediate vicinity of the Project area. The records search also included a review of the Office of Historic Preservation Archaeological Determination of Eligibility and the Office of Historic Preservation Directory of Historic Properties Data File.

The records search indicated that nine previous studies have been conducted within a half mile of the Project area (Table 1). Three of these studies, RI-01129, RI-06293 and RI-10838, include or intersect the Project area. As a result of the records search, one historic period built-environment resource, the Union Pacific Railroad/Southern Pacific Railroad (33-009498/CA-RIV-6381), was identified within the records search area but does not intersect the Project area. The Union Pacific Railroad/Southern Pacific Railroad is located approximately one-half-mile from James Workman Middle School and runs parallel to Interstate-10. No other cultural resources were identified within the records search area. Additionally, a review of historic topographic maps and aerial photographs did not indicate any structures on the property prior to 1981; however the 1958, 1972, and 1981 Cathedral City 7.5-minute USGS topographic quadrangles depict the Project area within the Agua Caliente Indian Reservation.

Table 1
Previous Cultural Resource Studies within a Half Mile of the Project Area

Report No.	Year	Author(s)	Title
RI-00284	1977	Weaver, Richard A.	Cultural Resource Identification-Sundesert Nuclear Project
RI-01129*	**1979**	**Berryman, Stanley R., and Mary Lou Heuett**	**Final Report: Results of the Palm Springs Archaeological Survey Section 10, Township 4 South, Range 5 East**
RI-02210	1986	Underwood, J., J. Cleland, C.M. Wood, and R. Apple	Preliminary Cultural Resources Survey Report for the US Telecom Fiber Optic Cable Project, From San Timoteo Canyon to Socorro, Texas: The California Segment
RI-02350	1988	Apple, Rebecca, and Jan E. Wooley	MCI Rialto to El Paso Fiber Optics Project - Intensive Cultural Resource Survey - San Bernardino and Riverside Counties, California
RI-02765	1990	Arkush, Brooke	An Archaeological Assessment of the Proposed Mid-Valley Stormwater Channel Located in the Coachella Valley of Central Riverside County, California
RI-06258	2006	Chambers Group, Inc.	Cultural Resources Survey Report: Union Pacific Railroad, Fingal-Thermal Phase II Expansion, Riverside County, California
RI-06293*	**2004**	**Tang, Bai, Michael Hogan, and Matthew Wetherbee**	**Identification and Evaluation of Historic Properties, Assessor's Parcel Numbers 670-060-017, and -025, Cathedral City, Riverside County, California**
RI-09172	2014	Tang, Bai "Tom", and Michael Hogan	Historical/ Archaeological Resources Survey Report; North Gate Community Church; Assessor's Parcel No. 670-110-042
RI-10838*	**2010**	**Bonner, Diane F.**	**Cultural Resources Record Search and Archaeological Survey Results for the proposed Royal Street Communications, California, LLC, Site LA3615A (Cathedral City Soccer Park) located at 69400 30th Avenue, Cathedral City, Riverside County, California 92234**

Bolded with asterisk are studies that include or intersect the Project area.

PaleoWest contacted the NAHC for a review of the SLF on January 22, 2021. The objective of the SLF search was to determine if the NAHC had any knowledge of Native American cultural resources (e.g., traditional use or gathering area, place of religious or sacred activity, etc.) within the immediate vicinity of the Project area. The NAHC responded on February 8, 2021, stating that the SLF was completed with negative results; however, the NAHC recommended that 16 Native American individuals representing 11 tribal groups be contacted to elicit information regarding cultural resource issues related to the proposed Project (see Exhibit A for a copy of the response letter received from the NAHC).

It has been a pleasure working with you on this Project. If you have any questions, please do not hesitate to contact me at rthomas@paleowest.com.

Sincerely,

Roberta Thomas, M.A., RPA | Senior Archaeologist/Project Manager
PALEOWEST

EXHIBIT A

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Merri Lopez-Keifer
Luiseño

PARLIAMENTARIAN
Russell Attebery
Karuk

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Julie Tumamait-Stenslie
Chumash

COMMISSIONER
[**Vacant**]

COMMISSIONER
[**Vacant**]

COMMISSIONER
[**Vacant**]

EXECUTIVE SECRETARY
Christina Snider
Pomo

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

February 8, 2021

Roberta Thomas
PaleoWest Archaeology

Via Email to: rthomas@paleowest.com

Re: PSUSD Modernization (21-0058) – James Workman Middle School Project, Riverside County

Dear Ms. Thomas:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Riverside County
2/8/2021

Agua Caliente Band of Cahuilla Indians
Patricia Garcia-Plotkin, Director
5401 Dinah Shore Drive — Cahuilla
Palm Springs, CA, 92264
Phone: (760) 699 - 6907
Fax: (760) 699-6924
ACBCI-THPO@aguacaliente.net

Agua Caliente Band of Cahuilla Indians
Jeff Grubbe, Chairperson
5401 Dinah Shore Drive — Cahuilla
Palm Springs, CA, 92264
Phone: (760) 699 - 6800
Fax: (760) 699-6919

Augustine Band of Cahuilla Mission Indians
Amanda Vance, Chairperson
P.O. Box 846 — Cahuilla
Coachella, CA, 92236
Phone: (760) 398 - 4722
Fax: (760) 369-7161
hhaines@augustinetribe.com

Cabazon Band of Mission Indians
Doug Welmas, Chairperson
84-245 Indio Springs Parkway — Cahuilla
Indio, CA, 92203
Phone: (760) 342 - 2593
Fax: (760) 347-7880
jstapp@cabazonindians-nsn.gov

Cahuilla Band of Indians
Daniel Salgado, Chairperson
52701 U.S. Highway 371 — Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 5549
Fax: (951) 763-2808
Chairman@cahuilla.net

Los Coyotes Band of Cahuilla and Cupeño Indians
Shane Chapparosa, Chairperson
P.O. Box 189 — Cahuilla
Warner Springs, CA, 92086-0189
Phone: (760) 782 - 0711
Fax: (760) 782-0712

Morongo Band of Mission Indians
Robert Martin, Chairperson
12700 Pumarra Road — Cahuilla, Serrano
Banning, CA, 92220
Phone: (951) 849 - 8807
Fax: (951) 922-8146
dtorres@morongo-nsn.gov

Morongo Band of Mission Indians
Denisa Torres, Cultural Resources Manager
12700 Pumarra Road — Cahuilla, Serrano
Banning, CA, 92220
Phone: (951) 849 - 8807
Fax: (951) 922-8146
dtorres@morongo-nsn.gov

Quechan Tribe of the Fort Yuma Reservation
Jill McCormick, Historic Preservation Officer
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (760) 572 - 2423
historicpreservation@quechantribe.com

Quechan Tribe of the Fort Yuma Reservation
Manfred Scott, Acting Chairman
Kw'ts'an Cultural Committee
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (928) 750 - 2516
scottmanfred@yahoo.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed PSUSD Modernization (21-0058) - James Workman Middle School Project, Riverside County.

Native American Heritage Commission
Native American Contact List
Riverside County
2/8/2021

Ramona Band of Cahuilla
John Gomez, Environmental Coordinator
P. O. Box 391670 Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 4105
Fax: (951) 763-4325
jgomez@ramona-nsn.gov

Ramona Band of Cahuilla
Joseph Hamilton, Chairperson
P.O. Box 391670 Cahuilla
Anza, CA, 92539
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This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed PSUSD Modernization (21-0058) - James Workman Middle School Project, Riverside County.

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602.261.7253
319 East Palm Lane
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308 E Simpson Street
Lafayette, CO 80026

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New York, NY 10026

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517 S. Ivy Avenue
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949.215.0523
27001 La Paz Road, Suite 230
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LAS VEGAS
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2918 N. Lombard Street
Portland, OR 97211

SALT LAKE CITY
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2002 South 1300 East
Salt Lake City, UT 84105

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C.2

PSUSD School Major Renovations Correspondence

From: Pam Daly [mailto:daly.rvrsde@sbcglobal.net]
Sent: Monday, November 16, 2020 12:53 PM
To: Arthur, Julie (jarthur@psusd.us) <jarthur@psusd.us>
Cc: Mann, Yolonda (ymann@psusd.us) <ymann@psusd.us>
Subject: RE: PSUSD School Major Renovations

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Julie;

First – thank you for your Freudian slip of calling the plaques at the schools with Wexler classrooms "plagues". I know how you love the Wexler buildings. ☺

Second – Under CEQA, a property is investigated for its potential to be considered a historic resource when it "attains sufficient age" to be evaluated for significance. "Sufficient age" generally means 50 years of age, and that is to follow the guidelines of listing a property in the National Register of Historic Places. But the "sufficient age" guideline means that a property could be evaluated as a "property achieving significance within the past 50 years if it is of exceptional importance" (Criteria consideration "g." of the National Register Criteria for Evaluation.)

When the National Register uses the term "exceptional importance" it means that a property like the Walt Disney Concert Hall, or the Sundial Bridge in Redding, CA, can be considered for listing in the NR even though it isn't 50 years old.

So, your elementary school buildings definitely don't meet the 50 year mark, and I'm pretty sure they aren't of the architectural importance of those mentioned above or of the Rock and Roll Hall of Fame (1985-97) in Cleveland, OH (designed by I.M. Pei).

Just because a building is designed by a master architect, unless the design is worthy of being saved as an outstanding example of Wexler's work, it would have to be at the level of a Frank Gehry or I.M. Pei modernist creation.

I don't believe you need to have the buildings evaluated. The CEQA Checklist asks: Will the project cause a substantial adverse change in the significance of a historical resource?

And the CEQA & Historical Resources Technical Advice Series says "the local agency should employ recognized criteria to determine whether a previously unrecognized significant historical resource exists". The "sufficient age" and "lack of exceptional importance" are recognized criteria.

The school buildings don't meet the criteria to be investigated as historical resources due to age, and they don't meet the criteria (C of NR, 3 of CR) to be considered exceptional examples of elementary school buildings.

I can prepare a cost estimate for a letter report – basically stating what I've said – but you may not need anything. I'd run this by your CEQA/planning consultants and see what they recommend.

I totally understand your being concerned having Wexler buildings in your project.

--Pam

Pamela Daly, M.S.H.P.
Daly & Associates
(951) 369-1366

APPENDIX D

Energy Calculations

Table 1. Summary of Energy Use During Construction		
Fuel Type	**Quantity**	
Diesel		
Off-Road Construction Equipment	58,244	Gallons
On-Road Motor Vehicles	9,969	Gallons
Total	68,213	Gallons
Gasoline		
Off-Road Construction Equipment	0	Gallons
On-Road Motor Vehicles	5,571	Gallons
Total	5,571	Gallons
Electricity		
Total	67.6	kWh

Table 2. Summary of Annual Energy Use During Operation			
Source	**Units**	**Buildout**	**Existing**
Electricity			
Junior High School	kWh/yr	793,528	1,048,380
Water Conveyance	kWh/yr	153,033	170,895
Total Electricty	*kWh/yr*	*946,561*	*1,219,275*
Natural Gas			
Junior High School	kBTU/yr	991,981	1,069,020
Total Natural Gas	*kBTU/yr*	*991,981*	*1,069,020*
Transportation/On-Site Sources			
Diesel	gallons	97,333	99,841
Gasoline	gallons	240,840	258,106
Total	gallons	338,173	357,947

Table 3. Water by Land Use							
		Project			**Existing**		
Land Use	**Units**	**Indoor/Outdoor Use**	**Indoor Use**	**Outdoor Use**	**Indoor/Outdoor Use**	**Indoor Use**	**Outdoor Use**
Buildout	Mgal	3.28727 / 9.92168	3.28727	9.92168	4.10909 / 10.5662	4.10909	10.5662

Water and Wastewater Electricity Intensity (kWh/gallon)

Supply Water	0.009727
Treat Water	0.000111
Distribute Water	0.001272
Wastewater Treatment	0.001911

Source: CalEEMod User's Guide, Appendix D, Table 9.2 Riverside - Salton Sea

Indoor Water Factor	0.013021	kWh/gallon (supply, treat, distribute, wastewater treatment)
Outdoor Water Factor	0.01111	kWh/gallon (supply, treat, and distribute)

Notes:

Electricity and Natural Gas for the Proposed Project is total operational usage.
Electricity, natural gas, and mobile usage was calculated from CalEEMod.
Indoor water factor used for entire Project Site for conservative analysis.

Table 4. Off-Road Equipment Fuel Usage During Construction							
Phase Name	**Off-road Equipment Type**	**Amount**	**Hours per Day**	**Horsepower**	**Load Factor**	**Number of Days**	**Diesel Fuel Usage (Gallons per Project)**
Phase 1							
Demolition	Crushing/Proc. Equipment	1	8	85	0.78	22	583
Demolition	Off-Highway Trucks	1	8	402	0.38	22	1,344
Demolition	Rubber Tired Dozers	1	8	247	0.4	22	869
Demolition	Tractors/Loaders/Backhoes	2	8	97	0.37	22	632
Grading	Excavators	1	8	158	0.38	22	528
Grading	Off-Highway Trucks	1	8	402	0.38	22	1,344
Grading	Plate Compactors	1	8	8	0.43	22	30
Grading	Rollers	1	8	80	0.38	22	268
Grading	Tractors/Loaders/Backhoes	1	7	97	0.37	22	276
Building Construction	Bore/Drill Rigs	2	6	221	0.5	264	17,503
Building Construction	Cranes	1	6	231	0.29	264	5,306
Building Construction	Forklifts	1	6	89	0.2	264	1,410
Building Construction	Pumps	1	8	84	0.74	264	6,564
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	264	2,842
Architectural Coating	Air Compressors	1	6	78	0.48	22	247
Paving	Off-Highway Trucks	1	8	402	0.38	10	611
Paving	Pavers	1	6	130	0.42	10	164
Paving	Rollers	1	7	80	0.38	10	106
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	10	144
Phase Total							**40,773**
Phase 2-4							
Demolition	Crushing/Proc. Equipment	1	8	85	0.78	22	583
Demolition	Off-Highway Trucks	1	8	402	0.38	22	1344
Demolition	Rubber Tired Dozers	1	8	247	0.4	22	869
Demolition	Tractors/Loaders/Backhoes	2	8	97	0.37	22	632
Building Renovation	Air Compressors	1	8	78	0.48	242	3624
Phase Total							**7053**
Phase 5-6							
Building Construction	Air Compressors	1	8	78	0.48	88	1318
Paving	Off-Highway Trucks	1	8	402	0.38	88	5377
Paving	Pavers	1	7	130	0.42	88	1682
Paving	Rollers	1	7	80	0.38	88	936
Paving	Tractors/Loaders/Backhoes	1	7	97	0.37	88	1105
Phase Total							**10418**
Project Total							**58,244**

Notes:

Equipment assumptions from CalEEMod.

Fuel usage estimate of 0.05 gallons per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3 E.

Table 5. On-Road Vehicle Fuel Usage During Construction														
		Daily Trips		Total			Trip Length (Miles)			Total Length (Miles)			Fuel Consumption (Gallons)	
Sub Area 1	Days	Worker	Vendor	Worker Trips	Vendor Trips	Haul Trips	Worker	Vendor	Hauling	Worker	Vendor	Hauling	Gasoline	Diesel
Demolition (1)	22	13	0	286	0	40	11.0	5.4	20	3,146	0	800	123	221
Grading (1)	22	15	0	330	0	500	11.0	5.4	20	3,630	0	10,000	142	1,740
Building Construction (1)	264	11	4	2,904	1,056	0	11.0	5.4	20	31,944	5,702	0	1,245	1,849
Architectural Coating (1)	22	2	0	44	0	0	11.0	5.4	20	484	0	0	19	14
Paving (1)	10	10	0	100	0	0	11.0	5.4	20	1,100	0	0	43	32
Demolition (2-4)	22	13	0	286	0	49	11.0	5.4	20	3,146	0	980	123	250
Building Renovation (2-4)	242	33	13	7,986	3,146	0	11.0	5.4	20	87,846	16,988	0	3,424	5,297
Building Renovation (5-6)	88	2	1	176	88	0	11.0	5.4	20	1,936	475	0	75	133
Paving (5-6)	88	10	2	880	176	0	11.0	5.4	20	9,680	950	0	377	433
Total	**780**	**109**	**20**	**12,992**	**4,466**	**589**	**n/a**	**n/a**	**n/a**	**142,912**	**24,116**	**11,780**	**5,571**	**9,969**

Fuel Efficiency	Gas	DSL
Workers	25.65	34.88
Vendor/Haul Trucks	0	6.11

Notes:

Fuel efficiency calculated in ***Table 7: EMFAC2021 Results - Construction.***

Table 6. Water Usage for Control of Fugitive Dust During Construction			
Phase Name	**Total Acres**	**Gallons for Project**	**Electricity (kWh)**
Project	2.3	**6,946**	**67.6**

Notes:

Total acres graded based on CalEEMod output sheets.

Water Usage

3,020 gallons per acre per day

Source: Air & Waste Management Association, Air Pollution Engineering Manual, 1992 Edition

Supply Water Electricity Intensity

0.009727 kWh/gallons (CalEEMod default)

Table 7. EMFAC2021 Results - Construction								
Vehicle Class	**Fuel**	**VMT (miles per day)**	**Fuel (1,000 gal per day)**	**Fuel Efficiency (miles per gallon)**	**Fuel**	**VMT (miles per day)**	**Fuel (1,000 gal per day)**	**Fuel Efficiency (miles per gallon)**
LDA	GAS	25,847,634	914.07	28.28	DSL	78,564	1.87	42.02
LDT1	GAS	2,131,713	91.26	23.36	DSL	679	0.03	24.33
LDT2	GAS	11,028,403	485.86	22.70	DSL	35,894	1.15	31.16
			Average (LDA, LDT1, LDT2)	**25.65**				**34.88**
T7 Tractor Construction	DSL	449,395	73.52	6.11				

Construction Worker Fleet Mix

LDA	50%
LDT1	25%
LDT2	25%

Vendor and Delivery/Haul Truck Fleet Mix

HHDT	100%

Source: EMFAC2021 (v1.0.1) Emissions Inventory
Region Type: County
Region: Riverside
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption.

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption
Riverside	2022	LDA	Aggregate	Aggregate	Gasoline	631263.9969	25847634.02	2949604.94	914.0720229
Riverside	2022	LDA	Aggregate	Aggregate	Diesel	2196.653698	78564.3487	9694.75503	1.869583594
Riverside	2022	LDA	Aggregate	Aggregate	Electricity	17587.11121	776829.789	88909.16422	0
Riverside	2022	LDT1	Aggregate	Aggregate	Gasoline	59198.30437	2131713.274	256842.7273	91.25607995
Riverside	2022	LDT1	Aggregate	Aggregate	Diesel	34.7886086	679.0259591	103.8388682	0.02790836
Riverside	2022	LDT1	Aggregate	Aggregate	Electricity	39.37108972	1505.924106	188.8452477	0
Riverside	2022	LDT2	Aggregate	Aggregate	Gasoline	261723.7424	11028402.51	1228226.977	485.8573097
Riverside	2022	LDT2	Aggregate	Aggregate	Diesel	794.7199281	35894.03111	3845.080543	1.151766279
Riverside	2022	T7 Tractor Class	Aggregate	Aggregate	Diesel	5327.039618	449395.1129	77401.88565	73.51608191
									1567.750753
									1567750.753
		Gas	1491.185413	1491185.413	544282675.6	35,378,625.00		572,229,024.73	
		Diesel	76.56534014	76565.34014	27946349.15	10,548,851.00			
						45,927,476.00			

Table 8. On road Vehicles - Operational				
		Fuel Consumption (gal)		
Scenario	Annual VMT	Gasoline	Diesel	Total
Existing	6,708,273	258,106	99,841	357,947
Project	6,708,273	240,840	97,333	338,173

Table 9. Fuel Consumption Summary		
Existing		
Fuel	Fuel Efficiency (MPG)	%Fleet
Gasoline	23.1	89.0%
Diesel	7.4	11.0%
Project		
Fuel	Fuel Efficiency (MPG)	%Fleet
Gasoline	24.8	89.0%
Diesel	7.6	11.0%

Notes:

Percent fleet and fuel efficiency based on ***Table 10: EMFAC2021 Emissions Inventory-Operations***

Annual VMT obtained from the CalEEMod Output files.

Table 10. EMFAC2021 Emissions Inventory - Operations									
Fuel	VMT (miles/day)	Fuel Consumption (1,000 gal/day)	Fuel Efficiency (miles per gallon)	Fuel Percentage		Existing VMT	Fuel Consumption	Fuel Efficiency	Fuel Percentage
GAS	50,301,893	2,029	24.8	89		48,129,228	2,081	23.1	89
DSL	6,281,158	829	7.6	11		5,890,838	797	7.4	11

Note: Fuel percentage based on VMT.
Fuel efficiency calculated using fuel consumption and VMT from EMFAC2021.

Buildout

Source: EMFAC2021 (v1.0.1) Emissions Inventory
Region Type: County
Region: Riverside
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption.

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption
Riverside	2025	All Other Buses	Aggregate	Aggregate	Diesel	227.3862477	12094.05006	2023.7376	1.25280383
Riverside	2025	LDA	Aggregate	Aggregate	Diesel	1836.097603	62062.60412	7926.656	1.44880237
Riverside	2025	LDT1	Aggregate	Aggregate	Diesel	24.98140446	466.6780382	70.495842	0.01912879
Riverside	2025	LDT2	Aggregate	Aggregate	Diesel	950.162807	42713.04304	4570.6757	1.30738132
Riverside	2025	LHD1	Aggregate	Aggregate	Diesel	19293.10862	711434.2665	242683.04	34.3899121
Riverside	2025	LHD2	Aggregate	Aggregate	Diesel	8709.67701	321982.2328	109556.78	18.6485311
Riverside	2025	MDV	Aggregate	Aggregate	Diesel	3125.099888	127495.1744	14457.822	5.35623234
Riverside	2025	MH	Aggregate	Aggregate	Diesel	2642.984332	22620.20355	264.29843	2.18143113
Riverside	2025	Motor Coach	Aggregate	Aggregate	Diesel	58.42408309	7811.013718	1342.5854	1.37357863
Riverside	2025	PTO	Aggregate	Aggregate	Diesel	0	52134.71587	0	10.4043784
Riverside	2025	SBUS	Aggregate	Aggregate	Diesel	646.5716332	13349.2757	9362.3572	1.81646347
Riverside	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	15.01526099	1006.422713	345.0507	0.10945709
Riverside	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	19.86534124	1382.930258	456.50554	0.15048479
Riverside	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	67.41629637	3589.254761	1549.2265	0.38460857
Riverside	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	111.1495378	22736.02911	2554.2164	2.26429001
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	539.723242	18233.15045	7701.8507	2.04273148
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	511.1505535	17417.74432	7294.1184	1.97596663
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	1474.542522	49945.40514	21041.722	5.55548543
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	228.3294595	12343.86499	3258.2614	1.3290169
Riverside	2025	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	1973.559849	82586.34144	22814.352	9.30526653

Riverside	2025	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	4394.632465	191018.879	50801.951	21.6431079
Riverside	2025	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	3237.198865	138081.8055	37422.019	15.4636297
Riverside	2025	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	1559.294921	70789.06108	18025.449	7.75313393
Riverside	2025	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	23.47451601	1163.763685	271.36541	0.12887144
Riverside	2025	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	483.7364209	28288.91659	5591.993	2.89835111
Riverside	2025	T6 OOS Class 4	Aggregate	Aggregate	Diesel	8.978385858	597.4727433	206.32331	0.06424726
Riverside	2025	T6 OOS Class 5	Aggregate	Aggregate	Diesel	11.8194804	819.625164	271.61166	0.08829279
Riverside	2025	T6 OOS Class 6	Aggregate	Aggregate	Diesel	40.41222962	2141.704003	928.67304	0.22607822
Riverside	2025	T6 OOS Class 7	Aggregate	Aggregate	Diesel	61.1079253	15572.85129	1404.2601	1.53832922
Riverside	2025	T6 Public Class 4	Aggregate	Aggregate	Diesel	110.633596	3824.105656	567.55035	0.44205688
Riverside	2025	T6 Public Class 5	Aggregate	Aggregate	Diesel	161.8818662	5886.962511	830.45397	0.68563277
Riverside	2025	T6 Public Class 6	Aggregate	Aggregate	Diesel	233.3717047	8159.323205	1197.1968	0.94276659
Riverside	2025	T6 Public Class 7	Aggregate	Aggregate	Diesel	364.8074207	16424.11082	1871.4621	1.85778792
Riverside	2025	T6 Utility Class 5	Aggregate	Aggregate	Diesel	213.5556003	8654.970361	2733.5117	0.93134135
Riverside	2025	T6 Utility Class 6	Aggregate	Aggregate	Diesel	40.35145024	1628.968414	516.49856	0.17457219
Riverside	2025	T6 Utility Class 7	Aggregate	Aggregate	Diesel	45.49224323	2258.514672	582.30071	0.24086241
Riverside	2025	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	5605.981077	1162096.054	128825.45	185.99317
Riverside	2025	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	5070.901623	1396762.179	116529.32	217.430256
Riverside	2025	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2142.574653	507332.0465	49236.366	80.8108305
Riverside	2025	T7 POLA Class 8	Aggregate	Aggregate	Diesel	2960.290098	373426.2434	48430.346	62.6233153
Riverside	2025	T7 Public Class 8	Aggregate	Aggregate	Diesel	728.1524278	29432.76842	3735.422	5.0311387
Riverside	2025	T7 Single Concrete/	Aggregate	Aggregate	Diesel	1281.244606	88480.11911	12069.324	14.4749341
Riverside	2025	T7 Single Dump Cla	Aggregate	Aggregate	Diesel	1235.54349	71733.82608	11638.82	12.0683214
Riverside	2025	T7 Single Other Cla	Aggregate	Aggregate	Diesel	1453.08352	83566.15721	13688.047	13.857622
Riverside	2025	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	63.54117698	4122.603216	292.28941	1.51399476
Riverside	2025	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	6272.664073	478518.1106	91141.809	77.1797975
Riverside	2025	T7 Utility Class 8	Aggregate	Aggregate	Diesel	155.9331814	6942.473646	1995.9447	1.12345617
Riverside	2025	UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	1.2469352	0.00267512
Riverside	2025	LDA	Aggregate	Aggregate	Gasoli	628741.8431	25913929.34	2926820.5	873.929595
Riverside	2025	LDT1	Aggregate	Aggregate	Gasoli	55586.8954	2050905.802	241530.21	83.7720483
Riverside	2025	LDT2	Aggregate	Aggregate	Gasoli	284782.3726	12228523.63	1337654.9	506.748123
Riverside	2025	LHD1	Aggregate	Aggregate	Gasoli	23953.95553	890989.1512	356878.25	63.8646579
Riverside	2025	LHD2	Aggregate	Aggregate	Gasoli	3679.240253	129727.509	54815.198	10.6062101
Riverside	2025	MCY	Aggregate	Aggregate	Gasoli	31129.94771	182166.5019	62259.895	4.34140778
Riverside	2025	MDV	Aggregate	Aggregate	Gasoli	215897.5079	8689269.72	989570.84	445.952134
Riverside	2025	MH	Aggregate	Aggregate	Gasoli	5588.101703	48512.84768	559.03369	9.96416562
Riverside	2025	OBUS	Aggregate	Aggregate	Gasoli	514.8271479	22309.96671	10300.662	4.32184638
Riverside	2025	SBUS	Aggregate	Aggregate	Gasoli	530.1539817	24322.97172	2120.6159	2.73083333
Riverside	2025	T6TS	Aggregate	Aggregate	Gasoli	1937.413086	102040.6708	38763.761	19.4514874
Riverside	2025	T7IS	Aggregate	Aggregate	Gasoli	8.568356502	648.642535	171.43568	0.17012132
Riverside	2025	UBUS	Aggregate	Aggregate	Gasoli	146.4959788	18545.85863	585.98392	3.28854319

	VMT Sum	Fuel Sum	Fuel Sum/Year
Diesel	6281158.127	828.5045243	**302,404,151**
Gas	50301892.62	2029.141174	**740,636,528**
			1,043,040,680

Existing

Source: EMFAC2021 (v1.0.1) Emissions Inventory
Region Type: County
Region: Riverside
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption.

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption
Riverside	2021	All Other Buses	Aggregate	Aggregate	Diesel	218.4484703	11636.5804	1944.1914	1.19100707
Riverside	2021	LDA	Aggregate	Aggregate	Diesel	2309.317171	83713.43823	10293.954	1.99968377
Riverside	2021	LDT1	Aggregate	Aggregate	Diesel	39.04206182	764.5474468	118.69192	0.03142066
Riverside	2021	LDT2	Aggregate	Aggregate	Diesel	735.9653047	32996.1138	3571.6507	1.07358372
Riverside	2021	LHD1	Aggregate	Aggregate	Diesel	19617.78955	720208.4203	246767.11	35.4843689
Riverside	2021	LHD2	Aggregate	Aggregate	Diesel	8532.589515	319101.5585	107329.24	18.9997065
Riverside	2021	MDV	Aggregate	Aggregate	Diesel	3170.608475	133131.7205	15017.312	5.84139717
Riverside	2021	MH	Aggregate	Aggregate	Diesel	2758.838458	24822.14255	275.88385	2.39143192
Riverside	2021	Motor Coach	Aggregate	Aggregate	Diesel	53.61495159	7680.277953	1232.0716	1.36241893
Riverside	2021	PTO	Aggregate	Aggregate	Diesel	0	50349.5134	0	10.5982304
Riverside	2021	SBUS	Aggregate	Aggregate	Diesel	683.0357516	14827.65811	9890.3577	2.03053489
Riverside	2021	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	13.86063737	947.3201705	318.51745	0.10601024
Riverside	2021	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	18.71450113	1299.552923	430.05924	0.1447705
Riverside	2021	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	54.26985818	3395.768969	1247.1213	0.37614674
Riverside	2021	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	99.66835151	21279.08944	2290.3787	2.19304553
Riverside	2021	T6 Instate Delivery	Aggregate	Aggregate	Diesel	505.2487826	17072.30662	7209.9001	1.92928345
Riverside	2021	T6 Instate Delivery	Aggregate	Aggregate	Diesel	461.8804165	16305.09788	6591.0335	1.8715367
Riverside	2021	T6 Instate Delivery	Aggregate	Aggregate	Diesel	1366.804187	46708.01383	19504.296	5.22581129
Riverside	2021	T6 Instate Delivery	Aggregate	Aggregate	Diesel	214.0159289	11570.49877	3054.0073	1.24061526
Riverside	2021	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	1928.533958	77291.443	22293.853	8.71752053
Riverside	2021	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	3981.368895	178603.9521	46024.624	20.3746191
Riverside	2021	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	3039.233405	129202.7587	35133.538	14.5067765
Riverside	2021	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	1389.19566	66459.8995	16059.102	7.31678302
Riverside	2021	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	22.19145246	1094.73013	256.53319	0.121513
Riverside	2021	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	444.2734532	26567.8936	5135.8011	2.71880528
Riverside	2021	T6 OOS Class 4	Aggregate	Aggregate	Diesel	8.159569439	553.7967872	187.50691	0.06198814
Riverside	2021	T6 OOS Class 5	Aggregate	Aggregate	Diesel	10.97825366	759.7096062	252.28027	0.08467273
Riverside	2021	T6 OOS Class 6	Aggregate	Aggregate	Diesel	31.91834013	1985.142936	733.48346	0.22001357

Riverside	2021	T6 OOS Class 7	Aggregate	Aggregate	Diesel	56.66308056	14434.45765	1302.1176	1.48456243
Riverside	2021	T6 Public Class 4	Aggregate	Aggregate	Diesel	116.9490283	3874.980959	599.94852	0.45705047
Riverside	2021	T6 Public Class 5	Aggregate	Aggregate	Diesel	157.3640223	5808.033864	807.27743	0.68512571
Riverside	2021	T6 Public Class 6	Aggregate	Aggregate	Diesel	254.869151	8296.826802	1307.4787	0.98641577
Riverside	2021	T6 Public Class 7	Aggregate	Aggregate	Diesel	402.9111417	16666.17648	2066.9342	1.94905605
Riverside	2021	T6 Utility Class 5	Aggregate	Aggregate	Diesel	207.1615884	8472.036484	2651.6683	0.9249772
Riverside	2021	T6 Utility Class 6	Aggregate	Aggregate	Diesel	39.59126268	1590.665386	506.76816	0.17376095
Riverside	2021	T6 Utility Class 7	Aggregate	Aggregate	Diesel	45.13139053	2207.674796	577.6818	0.24056292
Riverside	2021	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	5022.197663	1069667.914	115410.1	178.841654
Riverside	2021	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	4587.214199	1270186.767	105414.18	213.527715
Riverside	2021	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	1884.361232	461357.3175	43302.621	77.6082215
Riverside	2021	T7 POLA Class 8	Aggregate	Aggregate	Diesel	2342.044393	306867.9058	38315.846	51.1507021
Riverside	2021	T7 Public Class 8	Aggregate	Aggregate	Diesel	805.3417583	31898.44352	4131.4032	5.55382593
Riverside	2021	T7 Single Concrete/	Aggregate	Aggregate	Diesel	1274.28774	88593.65885	12003.791	14.9340921
Riverside	2021	T7 Single Dump Cla	Aggregate	Aggregate	Diesel	1140.234406	70957.08281	10741.008	11.9380467
Riverside	2021	T7 Single Other Cla	Aggregate	Aggregate	Diesel	1263.262464	77061.84628	11899.932	12.9200069
Riverside	2021	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	97.61730051	6335.852782	449.03958	2.34910566
Riverside	2021	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	5026.523152	439479.54	73035.381	71.9975101
Riverside	2021	T7 Utility Class 8	Aggregate	Aggregate	Diesel	138.9925923	6722.016939	1779.1052	1.10706211
Riverside	2021	UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	1.2469352	0.00267459
Riverside	2021	LDA	Aggregate	Aggregate	Gasoli	632875.3045	25605158.11	2962107.1	918.488073
Riverside	2021	LDT1	Aggregate	Aggregate	Gasoli	60669.1997	2144433.743	263307.92	93.1056334
Riverside	2021	LDT2	Aggregate	Aggregate	Gasoli	254234.1408	10509616.01	1192167.8	472.98887
Riverside	2021	LHD1	Aggregate	Aggregate	Gasoli	24908.82256	865738.8155	371104.34	69.6776254
Riverside	2021	LHD2	Aggregate	Aggregate	Gasoli	3899.098415	135158.2949	58090.757	12.0137808
Riverside	2021	MCY	Aggregate	Aggregate	Gasoli	30964.10723	181690.9446	61928.214	4.41548288
Riverside	2021	MDV	Aggregate	Aggregate	Gasoli	216580.3854	8460730.606	994862.73	466.477008
Riverside	2021	MH	Aggregate	Aggregate	Gasoli	7030.85648	62184.82133	703.36688	12.7825641
Riverside	2021	OBUS	Aggregate	Aggregate	Gasoli	586.1107798	26808.87472	11726.904	5.41524964
Riverside	2021	SBUS	Aggregate	Aggregate	Gasoli	510.2222702	22642.58305	2040.8891	2.57268289
Riverside	2021	T6TS	Aggregate	Aggregate	Gasoli	1989.960644	95777.27414	39815.133	19.2314873
Riverside	2021	T7IS	Aggregate	Aggregate	Gasoli	17.80761708	886.6710962	356.2948	0.2479472
Riverside	2021	UBUS	Aggregate	Aggregate	Gasoli	145.3391563	18401.62661	581.35663	3.26701411

	VMT Sum	Fuel Sum	Fuel Sum/Year
Diesel	5890838.254	797.0458244	**290,921,726**
Gas	48129228.38	2080.683419	**759,449,448**
			1,050,371,174
Difference		912.8884365	0.31722527

APPENDIX E

Greenhouse Gas Emissions Output Sheets

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 1)

Riverside-Salton Sea County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	25.00	1000sqft	1.50	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Construction of 25,000 sf building.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Demolition equipment per applicant.

Off-road Equipment - Grading equipment per applicant.

Off-road Equipment - Building construction equipment per applicant.

Off-road Equipment - Paving equipment per applicant.

Off-road Equipment -

Grading - 10,000 cy soil import.

Demolition - Demolition of portable buildings 912-920 and restrooms.

Trips and VMT - Assumed a total of 500 haul trucks.

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Trips - Construction only.

Area Coating -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	200.00	264.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	22.00
tblConstructionPhase	PhaseEndDate	3/10/2023	6/6/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	6/6/2023
tblConstructionPhase	PhaseEndDate	4/28/2022	5/2/2022
tblConstructionPhase	PhaseEndDate	5/6/2022	6/1/2022
tblConstructionPhase	PhaseEndDate	2/24/2023	6/6/2023
tblConstructionPhase	PhaseStartDate	2/25/2023	5/8/2023
tblConstructionPhase	PhaseStartDate	5/7/2022	6/2/2022
tblConstructionPhase	PhaseStartDate	2/11/2023	5/24/2023
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.57	1.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	HaulingTripNumber	1,250.00	500.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1344	1.3009	1.1694	3.1700e-003	0.0264	0.0564	0.0828	5.6000e-003	0.0530	0.0586	0.0000	279.6981	279.6981	0.0688	3.2300e-003	282.3804
2023	0.1287	0.6525	0.6846	1.8200e-003	6.7800e-003	0.0281	0.0348	1.8300e-003	0.0265	0.0283	0.0000	159.8114	159.8114	0.0399	5.8000e-004	160.9808
Maximum	**0.1344**	**1.3009**	**1.1694**	**3.1700e-003**	**0.0264**	**0.0564**	**0.0828**	**5.6000e-003**	**0.0530**	**0.0586**	**0.0000**	**279.6981**	**279.6981**	**0.0688**	**3.2300e-003**	**282.3804**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Year	tons/yr										MT/yr					
2022	0.0731	1.4479	1.7325	3.1700e-003	0.0192	0.0694	0.0886	4.6700e-003	0.0694	0.0740	0.0000	279.6978	279.6978	0.0688	3.2300e-003	282.3801
2023	0.1012	0.8498	1.0379	1.8200e-003	6.7800e-003	0.0420	0.0488	1.8300e-003	0.0420	0.0438	0.0000	159.8112	159.8112	0.0399	5.8000e-004	160.9806
Maximum	**0.1012**	**1.4479**	**1.7325**	**3.1700e-003**	**0.0192**	**0.0694**	**0.0886**	**4.6700e-003**	**0.0694**	**0.0740**	**0.0000**	**279.6978**	**279.6978**	**0.0688**	**3.2300e-003**	**282.3801**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**33.77**	**-17.62**	**-49.43**	**0.00**	**21.79**	**-31.90**	**-16.76**	**12.52**	**-40.09**	**-35.61**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2022**	**6-30-2022**	0.5878	0.5583
2	**7-1-2022**	**9-30-2022**	0.4252	0.4821
3	**10-1-2022**	**12-31-2022**	0.4254	0.4822
4	**1-1-2023**	**3-31-2023**	0.3801	0.4705
5	**4-1-2023**	**6-30-2023**	0.4000	0.4796
		Highest	0.5878	0.5583

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1266	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Energy	1.1700e-003	0.0107	8.9500e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	42.6731	42.6731	2.8500e-003	5.3000e-004	42.9023

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.5972	0.0000	6.5972	0.3899	0.0000	16.3443
Water						0.0000	0.0000		0.0000	0.0000	0.1636	3.8024	3.9659	0.0171	4.4000e-004	4.5237
Total	**0.1278**	**0.0107**	**9.1800e-003**	**6.0000e-005**	**0.0000**	**8.1000e-004**	**8.1000e-004**	**0.0000**	**8.1000e-004**	**8.1000e-004**	**6.7608**	**46.4759**	**53.2367**	**0.4099**	**9.7000e-004**	**63.7708**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1035	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Energy	1.1700e-003	0.0107	8.9500e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	42.6731	42.6731	2.8500e-003	5.3000e-004	42.9023
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.5972	0.0000	6.5972	0.3899	0.0000	16.3443
Water						0.0000	0.0000		0.0000	0.0000	0.1636	3.8024	3.9659	0.0171	4.4000e-004	4.5237
Total	**0.1046**	**0.0107**	**9.1800e-003**	**6.0000e-005**	**0.0000**	**8.1000e-004**	**8.1000e-004**	**0.0000**	**8.1000e-004**	**8.1000e-004**	**6.7608**	**46.4759**	**53.2367**	**0.4099**	**9.7000e-004**	**63.7708**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**18.14**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/2/2022	5	22	
2	Grading	Grading	5/3/2022	6/1/2022	5	22	
3	Building Construction	Building Construction	6/2/2022	6/6/2023	5	264	
4	Paving	Paving	5/24/2023	6/6/2023	5	10	
5	Architectural Coating	Architectural Coating	5/8/2023	6/6/2023	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	1	8.00	80	0.38
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Bore/Drill Rigs	2	6.00	221	0.50
Building Construction	Cranes	1	6.00	231	0.29

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	40.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	500.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	11.00	4.00	2.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

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JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3500e-003	0.0000	4.3500e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2132	0.1732	3.8000e-004		0.0102	0.0102		9.5100e-003	9.5100e-003	0.0000	33.6596	33.6596	9.1700e-003	0.0000	33.8889
Total	**0.0239**	**0.2132**	**0.1732**	**3.8000e-004**	**4.3500e-003**	**0.0102**	**0.0145**	**6.6000e-004**	**9.5100e-003**	**0.0102**	**0.0000**	**33.6596**	**33.6596**	**9.1700e-003**	**0.0000**	**33.8889**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	2.6900e-003	5.7000e-004	1.0000e-005	3.4000e-004	3.0000e-005	3.7000e-004	9.0000e-005	3.0000e-005	1.2000e-004	0.0000	1.1132	1.1132	1.0000e-005	1.8000e-004	1.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.1000e-004	3.8300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9364	0.9364	3.0000e-005	3.0000e-005	0.9455
Total	**4.8000e-004**	**3.0000e-003**	**4.4000e-003**	**2.0000e-005**	**1.5200e-003**	**4.0000e-005**	**1.5500e-003**	**4.0000e-004**	**4.0000e-005**	**4.4000e-004**	**0.0000**	**2.0496**	**2.0496**	**4.0000e-005**	**2.1000e-004**	**2.1113**

Mitigated Construction On-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4400e-003	0.0000	1.4400e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.1866	0.2260	3.8000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003	0.0000	33.6595	33.6595	9.1700e-003	0.0000	33.8889
Total	**9.0700e-003**	**0.1866**	**0.2260**	**3.8000e-004**	**1.4400e-003**	**9.4400e-003**	**0.0109**	**2.2000e-004**	**9.4400e-003**	**9.6600e-003**	**0.0000**	**33.6595**	**33.6595**	**9.1700e-003**	**0.0000**	**33.8889**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	2.6900e-003	5.7000e-004	1.0000e-005	3.4000e-004	3.0000e-005	3.7000e-004	9.0000e-005	3.0000e-005	1.2000e-004	0.0000	1.1132	1.1132	1.0000e-005	1.8000e-004	1.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.1000e-004	3.8300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9364	0.9364	3.0000e-005	3.0000e-005	0.9455
Total	**4.8000e-004**	**3.0000e-003**	**4.4000e-003**	**2.0000e-005**	**1.5200e-003**	**4.0000e-005**	**1.5500e-003**	**4.0000e-004**	**4.0000e-005**	**4.4000e-004**	**0.0000**	**2.0496**	**2.0496**	**4.0000e-005**	**2.1000e-004**	**2.1113**

3.3 Grading - 2022

Unmitigated Construction On-Site

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JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.4700e-003	0.0000	6.4700e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0165	0.1592	0.1360	3.4000e-004		6.4500e-003	6.4500e-003		5.9500e-003	5.9500e-003	0.0000	29.6419	29.6419	9.5100e-003	0.0000	29.8796
Total	**0.0165**	**0.1592**	**0.1360**	**3.4000e-004**	**6.4700e-003**	**6.4500e-003**	**0.0129**	**7.3000e-004**	**5.9500e-003**	**6.6800e-003**	**0.0000**	**29.6419**	**29.6419**	**9.5100e-003**	**0.0000**	**29.8796**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0337	7.1800e-003	1.4000e-004	4.3100e-003	3.7000e-004	4.6800e-003	1.1800e-003	3.6000e-004	1.5400e-003	0.0000	13.9151	13.9151	1.9000e-004	2.1900e-003	14.5730
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.4200e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0805	1.0805	3.0000e-005	3.0000e-005	1.0909
Total	**1.2600e-003**	**0.0340**	**0.0116**	**1.5000e-004**	**5.6700e-003**	**3.8000e-004**	**6.0400e-003**	**1.5400e-003**	**3.7000e-004**	**1.9100e-003**	**0.0000**	**14.9956**	**14.9956**	**2.2000e-004**	**2.2200e-003**	**15.6639**

Mitigated Construction On-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1400e-003	0.0000	2.1400e-003	2.4000e-004	0.0000	2.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1700e-003	0.1630	0.2031	3.4000e-004		7.5200e-003	7.5200e-003		7.5200e-003	7.5200e-003	0.0000	29.6418	29.6418	9.5100e-003	0.0000	29.8796
Total	**8.1700e-003**	**0.1630**	**0.2031**	**3.4000e-004**	**2.1400e-003**	**7.5200e-003**	**9.6600e-003**	**2.4000e-004**	**7.5200e-003**	**7.7600e-003**	**0.0000**	**29.6418**	**29.6418**	**9.5100e-003**	**0.0000**	**29.8796**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0337	7.1800e-003	1.4000e-004	4.3100e-003	3.7000e-004	4.6800e-003	1.1800e-003	3.6000e-004	1.5400e-003	0.0000	13.9151	13.9151	1.9000e-004	2.1900e-003	14.5730
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.4200e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0805	1.0805	3.0000e-005	3.0000e-005	1.0909
Total	**1.2600e-003**	**0.0340**	**0.0116**	**1.5000e-004**	**5.6700e-003**	**3.8000e-004**	**6.0400e-003**	**1.5400e-003**	**3.7000e-004**	**1.9100e-003**	**0.0000**	**14.9956**	**14.9956**	**2.2000e-004**	**2.2200e-003**	**15.6639**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0894	0.8782	0.8175	2.1700e-003		0.0392	0.0392		0.0370	0.0370	0.0000	189.5638	189.5638	0.0496	0.0000	190.8040
Total	**0.0894**	**0.8782**	**0.8175**	**2.1700e-003**		**0.0392**	**0.0392**		**0.0370**	**0.0370**	**0.0000**	**189.5638**	**189.5638**	**0.0496**	**0.0000**	**190.8040**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	8.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0321	0.0321	0.0000	1.0000e-005	0.0336
Vendor	4.3000e-004	0.0114	4.2400e-003	4.0000e-005	1.5000e-003	1.5000e-004	1.6500e-003	4.3000e-004	1.4000e-004	5.7000e-004	0.0000	4.2811	4.2811	5.0000e-005	6.4000e-004	4.4719
Worker	2.4800e-003	1.8100e-003	0.0224	6.0000e-005	6.8800e-003	4.0000e-005	6.9100e-003	1.8300e-003	3.0000e-005	1.8600e-003	0.0000	5.4746	5.4746	1.7000e-004	1.6000e-004	5.5273
Total	**2.9100e-003**	**0.0133**	**0.0267**	**1.0000e-004**	**8.3900e-003**	**1.9000e-004**	**8.5700e-003**	**2.2600e-003**	**1.7000e-004**	**2.4300e-003**	**0.0000**	**9.7877**	**9.7877**	**2.2000e-004**	**8.1000e-004**	**10.0327**

Mitigated Construction On-Site

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0512	1.0479	1.2607	2.1700e-003		0.0518	0.0518		0.0518	0.0518	0.0000	189.5635	189.5635	0.0496	0.0000	190.8037
Total	**0.0512**	**1.0479**	**1.2607**	**2.1700e-003**		**0.0518**	**0.0518**		**0.0518**	**0.0518**	**0.0000**	**189.5635**	**189.5635**	**0.0496**	**0.0000**	**190.8037**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	8.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0321	0.0321	0.0000	1.0000e-005	0.0336
Vendor	4.3000e-004	0.0114	4.2400e-003	4.0000e-005	1.5000e-003	1.5000e-004	1.6500e-003	4.3000e-004	1.4000e-004	5.7000e-004	0.0000	4.2811	4.2811	5.0000e-005	6.4000e-004	4.4719
Worker	2.4800e-003	1.8100e-003	0.0224	6.0000e-005	6.8800e-003	4.0000e-005	6.9100e-003	1.8300e-003	3.0000e-005	1.8600e-003	0.0000	5.4746	5.4746	1.7000e-004	1.6000e-004	5.5273
Total	**2.9100e-003**	**0.0133**	**0.0267**	**1.0000e-004**	**8.3900e-003**	**1.9000e-004**	**8.5700e-003**	**2.2600e-003**	**1.7000e-004**	**2.4300e-003**	**0.0000**	**9.7877**	**9.7877**	**2.2000e-004**	**8.1000e-004**	**10.0327**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Off-Road	0.0619	0.5905	0.5982	1.6000e-003		0.0255	0.0255		0.0240	0.0240	0.0000	139.8314	139.8314	0.0364	0.0000	140.7423
Total	**0.0619**	**0.5905**	**0.5982**	**1.6000e-003**		**0.0255**	**0.0255**		**0.0240**	**0.0240**	**0.0000**	**139.8314**	**139.8314**	**0.0364**	**0.0000**	**140.7423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0226	0.0226	0.0000	0.0000	0.0237
Vendor	2.3000e-004	6.6400e-003	2.9200e-003	3.0000e-005	1.1100e-003	5.0000e-005	1.1600e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.0309	3.0309	3.0000e-005	4.5000e-004	3.1655
Worker	1.6900e-003	1.1800e-003	0.0153	4.0000e-005	5.0700e-003	2.0000e-005	5.0900e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9282	3.9282	1.1000e-004	1.1000e-004	3.9640
Total	**1.9200e-003**	**7.8600e-003**	**0.0182**	**7.0000e-005**	**6.1900e-003**	**7.0000e-005**	**6.2600e-003**	**1.6700e-003**	**7.0000e-005**	**1.7400e-003**	**0.0000**	**6.9817**	**6.9817**	**1.4000e-004**	**5.6000e-004**	**7.1532**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.0377	0.7721	0.9290	1.6000e-003		0.0382	0.0382		0.0382	0.0382	0.0000	139.8312	139.8312	0.0364	0.0000	140.7421
Total	**0.0377**	**0.7721**	**0.9290**	**1.6000e-003**		**0.0382**	**0.0382**		**0.0382**	**0.0382**	**0.0000**	**139.8312**	**139.8312**	**0.0364**	**0.0000**	**140.7421**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0226	0.0226	0.0000	0.0000	0.0237
Vendor	2.3000e-004	6.6400e-003	2.9200e-003	3.0000e-005	1.1100e-003	5.0000e-005	1.1600e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.0309	3.0309	3.0000e-005	4.5000e-004	3.1655
Worker	1.6900e-003	1.1800e-003	0.0153	4.0000e-005	5.0700e-003	2.0000e-005	5.0900e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9282	3.9282	1.1000e-004	1.1000e-004	3.9640
Total	**1.9200e-003**	**7.8600e-003**	**0.0182**	**7.0000e-005**	**6.1900e-003**	**7.0000e-005**	**6.2600e-003**	**1.6700e-003**	**7.0000e-005**	**1.7400e-003**	**0.0000**	**6.9817**	**6.9817**	**1.4000e-004**	**5.6000e-004**	**7.1532**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.6700e-003	0.0396	0.0465	1.1000e-004		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	9.7306	9.7306	3.1500e-003	0.0000	9.8092

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.6700e-003**	**0.0396**	**0.0465**	**1.1000e-004**		**1.7400e-003**	**1.7400e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**9.7306**	**9.7306**	**3.1500e-003**	**0.0000**	**9.8092**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.2400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3188	0.3188	1.0000e-005	1.0000e-005	0.3218
Total	**1.4000e-004**	**1.0000e-004**	**1.2400e-003**	**0.0000**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3188**	**0.3188**	**1.0000e-005**	**1.0000e-005**	**0.3218**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7100e-003	0.0547	0.0688	1.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	9.7306	9.7306	3.1500e-003	0.0000	9.8092

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.7100e-003**	**0.0547**	**0.0688**	**1.1000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**9.7306**	**9.7306**	**3.1500e-003**	**0.0000**	**9.8092**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.2400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3188	0.3188	1.0000e-005	1.0000e-005	0.3218
Total	**1.4000e-004**	**1.0000e-004**	**1.2400e-003**	**0.0000**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3188**	**0.3188**	**1.0000e-005**	**1.0000e-005**	**0.3218**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	2.1100e-003	0.0143	0.0199	3.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	2.8086	2.8086	1.7000e-004	0.0000	2.8128
Total	**0.0601**	**0.0143**	**0.0199**	**3.0000e-005**		**7.8000e-004**	**7.8000e-004**		**7.8000e-004**	**7.8000e-004**	**0.0000**	**2.8086**	**2.8086**	**1.7000e-004**	**0.0000**	**2.8128**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1403	0.1403	0.0000	0.0000	0.1416
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1403**	**0.1403**	**0.0000**	**0.0000**	**0.1416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	6.5000e-004	0.0149	0.0202	3.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	2.8086	2.8086	1.7000e-004	0.0000	2.8128
Total	**0.0586**	**0.0149**	**0.0202**	**3.0000e-005**		**1.0500e-003**	**1.0500e-003**		**1.0500e-003**	**1.0500e-003**	**0.0000**	**2.8086**	**2.8086**	**1.7000e-004**	**0.0000**	**2.8128**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1403	0.1403	0.0000	0.0000	0.1416
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1403**	**0.1403**	**0.0000**	**0.0000**	**0.1416**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.0798	31.0798	2.6200e-003	3.2000e-004	31.2401
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.0798	31.0798	2.6200e-003	3.2000e-004	31.2401
NaturalGas Mitigated	1.1700e-003	0.0107	8.9500e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	11.5933	11.5933	2.2000e-004	2.1000e-004	11.6622
NaturalGas Unmitigated	1.1700e-003	0.0107	8.9500e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	11.5933	11.5933	2.2000e-004	2.1000e-004	11.6622

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	217250	1.1700e-003	0.0107	8.9500e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	11.5933	11.5933	2.2000e-004	2.1000e-004	11.6622
Total		**1.1700e-003**	**0.0107**	**8.9500e-003**	**6.0000e-005**		**8.1000e-004**	**8.1000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**11.5933**	**11.5933**	**2.2000e-004**	**2.1000e-004**	**11.6622**

Mitigated

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	217250	1.1700e-003	0.0107	8.9500e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	11.5933	11.5933	2.2000e-004	2.1000e-004	11.6622
Total		**1.1700e-003**	**0.0107**	**8.9500e-003**	**6.0000e-005**		**8.1000e-004**	**8.1000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**11.5933**	**11.5933**	**2.2000e-004**	**2.1000e-004**	**11.6622**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	175250	31.0798	2.6200e-003	3.2000e-004	31.2401
Total		**31.0798**	**2.6200e-003**	**3.2000e-004**	**31.2401**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	175250	31.0798	2.6200e-003	3.2000e-004	31.2401

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		**31.0798**	**2.6200e-003**	**3.2000e-004**	**31.2401**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1035	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Unmitigated	0.1266	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Total	**0.1266**	**0.0000**	**2.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**4.5000e-004**	**4.5000e-004**	**0.0000**	**0.0000**	**4.8000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Total	**0.1035**	**0.0000**	**2.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**4.5000e-004**	**4.5000e-004**	**0.0000**	**0.0000**	**4.8000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.9659	0.0171	4.4000e-004	4.5237
Unmitigated	3.9659	0.0171	4.4000e-004	4.5237

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	0.515525 / 1.32564	3.9659	0.0171	4.4000e-004	4.5237
Total		**3.9659**	**0.0171**	**4.4000e-004**	**4.5237**

Mitigated

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	0.515525 / 1.32564	3.9659	0.0171	4.4000e-004	4.5237
Total		**3.9659**	**0.0171**	**4.4000e-004**	**4.5237**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.5972	0.3899	0.0000	16.3443
Unmitigated	6.5972	0.3899	0.0000	16.3443

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	tons	MT/yr			
Junior High School	32.5	6.5972	0.3899	0.0000	16.3443
Total		**6.5972**	**0.3899**	**0.0000**	**16.3443**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	32.5	6.5972	0.3899	0.0000	16.3443
Total		**6.5972**	**0.3899**	**0.0000**	**16.3443**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

JWMS Construction (Phase 1) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 2-4)

Riverside-Salton Sea County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	78.19	1000sqft	1.40	78,188.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Renovation of 78,188 sf.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Building renovation equipment per applicant.

Off-road Equipment - Demolition equipment per applicant.

Trips and VMT -

Demolition - Demolition of portable buildings 901-911 and restrooms.

Vehicle Trips - Construction only.

Area Coating -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Table Name	Column Name	Default Value	New Value

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	200.00	242.00
tblConstructionPhase	NumDays	20.00	22.00
tblLandUse	LandUseSquareFeet	78,190.00	78,188.00
tblLandUse	LotAcreage	1.79	1.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0444	0.3248	0.3855	9.2000e-004	0.0281	0.0146	0.0426	6.9400e-003	0.0140	0.0210	0.0000	81.6786	81.6786	0.0110	2.2500e-003	82.6224

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2024	0.0196	0.1199	0.1942	4.6000e-004	0.0195	4.9500e-003	0.0244	5.2600e-003	4.9400e-003	0.0102	0.0000	41.7031	41.7031	1.5400e-003	1.8100e-003	42.2799
Maximum	**0.0444**	**0.3248**	**0.3855**	**9.2000e-004**	**0.0281**	**0.0146**	**0.0426**	**6.9400e-003**	**0.0140**	**0.0210**	**0.0000**	**81.6786**	**81.6786**	**0.0110**	**2.2500e-003**	**82.6224**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0210	0.3317	0.4463	9.2000e-004	0.0245	0.0177	0.0422	6.4100e-003	0.0177	0.0241	0.0000	81.6785	81.6785	0.0110	2.2500e-003	82.6224
2024	0.0103	0.1306	0.1959	4.6000e-004	0.0195	7.6000e-003	0.0271	5.2600e-003	7.5800e-003	0.0128	0.0000	41.7030	41.7030	1.5400e-003	1.8100e-003	42.2798
Maximum	**0.0210**	**0.3317**	**0.4463**	**9.2000e-004**	**0.0245**	**0.0177**	**0.0422**	**6.4100e-003**	**0.0177**	**0.0241**	**0.0000**	**81.6785**	**81.6785**	**0.0110**	**2.2500e-003**	**82.6224**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**51.16**	**-3.96**	**-10.78**	**0.00**	**7.47**	**-29.76**	**-3.36**	**4.34**	**-33.39**	**-18.58**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-7-2023**	**9-6-2023**	0.2596	0.2476
2	**9-7-2023**	**12-6-2023**	0.0828	0.0794
3	**12-7-2023**	**3-6-2024**	0.0796	0.0792
4	**3-7-2024**	**6-6-2024**	0.0789	0.0796
5	**6-7-2024**	**9-6-2024**	0.0034	0.0035
		Highest	0.2596	0.2476

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3960	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-003	1.4000e-003	0.0000	0.0000	1.4900e-003
Energy	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	133.4610	133.4610	8.9000e-003	1.6600e-003	134.1779
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	20.6340	0.0000	20.6340	1.2194	0.0000	51.1199
Water						0.0000	0.0000		0.0000	0.0000	0.5115	11.8923	12.4038	0.0535	1.3600e-003	14.1483
Total	**0.3997**	**0.0333**	**0.0287**	**2.0000e-004**	**0.0000**	**2.5300e-003**	**2.5300e-003**	**0.0000**	**2.5300e-003**	**2.5300e-003**	**21.1456**	**145.3547**	**166.5002**	**1.2819**	**3.0200e-003**	**199.4476**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3960	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-003	1.4000e-003	0.0000	0.0000	1.4900e-003
Energy	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	133.4610	133.4610	8.9000e-003	1.6600e-003	134.1779
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Waste						0.0000	0.0000		0.0000	0.0000	20.6340	0.0000	20.6340	1.2194	0.0000	51.1199
Water						0.0000	0.0000		0.0000	0.0000	0.5115	11.8923	12.4038	0.0535	1.3600e-003	14.1483
Total	**0.3997**	**0.0333**	**0.0287**	**2.0000e-004**	**0.0000**	**2.5300e-003**	**2.5300e-003**	**0.0000**	**2.5300e-003**	**2.5300e-003**	**21.1456**	**145.3547**	**166.5002**	**1.2819**	**3.0200e-003**	**199.4476**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/7/2023	7/6/2023	5	22	
2	Building Renovation	Building Construction	7/7/2023	6/10/2024	5	242	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Renovation	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	49.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Renovation	1	33.00	13.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	8.0000e-004	0.0000	8.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0214	0.1843	0.1670	3.9000e-004		8.3200e-003	8.3200e-003		7.7900e-003	7.7900e-003	0.0000	33.6750	33.6750	9.1400e-003	0.0000	33.9036
Total	**0.0214**	**0.1843**	**0.1670**	**3.9000e-004**	**5.3000e-003**	**8.3200e-003**	**0.0136**	**8.0000e-004**	**7.7900e-003**	**8.5900e-003**	**0.0000**	**33.6750**	**33.6750**	**9.1400e-003**	**0.0000**	**33.9036**

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JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.5800e-003	6.8000e-004	1.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.2000e-004	3.0000e-005	1.4000e-004	0.0000	1.3051	1.3051	2.0000e-005	2.1000e-004	1.3668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.7000e-004	3.5400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9119	0.9119	3.0000e-005	3.0000e-005	0.9202
Total	**4.4000e-004**	**2.8500e-003**	**4.2200e-003**	**2.0000e-005**	**1.6000e-003**	**4.0000e-005**	**1.6300e-003**	**4.3000e-004**	**4.0000e-005**	**4.6000e-004**	**0.0000**	**2.2170**	**2.2170**	**5.0000e-005**	**2.4000e-004**	**2.2870**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7600e-003	0.0000	1.7600e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.1866	0.2260	3.9000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003	0.0000	33.6749	33.6749	9.1400e-003	0.0000	33.9035
Total	**9.0700e-003**	**0.1866**	**0.2260**	**3.9000e-004**	**1.7600e-003**	**9.4400e-003**	**0.0112**	**2.7000e-004**	**9.4400e-003**	**9.7100e-003**	**0.0000**	**33.6749**	**33.6749**	**9.1400e-003**	**0.0000**	**33.9035**

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.5800e-003	6.8000e-004	1.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.2000e-004	3.0000e-005	1.4000e-004	0.0000	1.3051	1.3051	2.0000e-005	2.1000e-004	1.3668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.7000e-004	3.5400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9119	0.9119	3.0000e-005	3.0000e-005	0.9202
Total	**4.4000e-004**	**2.8500e-003**	**4.2200e-003**	**2.0000e-005**	**1.6000e-003**	**4.0000e-005**	**1.6300e-003**	**4.3000e-004**	**4.0000e-005**	**4.6000e-004**	**0.0000**	**2.2170**	**2.2170**	**5.0000e-005**	**2.4000e-004**	**2.2870**

3.3 Building Renovation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1095	0.1521	2.5000e-004		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	21.4473	21.4473	1.2800e-003	0.0000	21.4794
Total	**0.0161**	**0.1095**	**0.1521**	**2.5000e-004**		**5.9500e-003**	**5.9500e-003**		**5.9500e-003**	**5.9500e-003**	**0.0000**	**21.4473**	**21.4473**	**1.2800e-003**	**0.0000**	**21.4794**

Unmitigated Construction Off-Site

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	0.0243	0.0107	1.2000e-004	4.0500e-003	1.8000e-004	4.2400e-003	1.1700e-003	1.8000e-004	1.3500e-003	0.0000	11.0818	11.0818	1.2000e-004	1.6400e-003	11.5740
Worker	5.7100e-003	3.9900e-003	0.0515	1.4000e-004	0.0171	8.0000e-005	0.0172	4.5400e-003	8.0000e-005	4.6200e-003	0.0000	13.2575	13.2575	3.8000e-004	3.7000e-004	13.3785
Total	**6.5300e-003**	**0.0283**	**0.0622**	**2.6000e-004**	**0.0212**	**2.6000e-004**	**0.0214**	**5.7100e-003**	**2.6000e-004**	**5.9700e-003**	**0.0000**	**24.3393**	**24.3393**	**5.0000e-004**	**2.0100e-003**	**24.9525**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9900e-003	0.1140	0.1539	2.5000e-004		7.9900e-003	7.9900e-003		7.9900e-003	7.9900e-003	0.0000	21.4473	21.4473	1.2800e-003	0.0000	21.4794
Total	**4.9900e-003**	**0.1140**	**0.1539**	**2.5000e-004**		**7.9900e-003**	**7.9900e-003**		**7.9900e-003**	**7.9900e-003**	**0.0000**	**21.4473**	**21.4473**	**1.2800e-003**	**0.0000**	**21.4794**

Mitigated Construction Off-Site

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	0.0243	0.0107	1.2000e-004	4.0500e-003	1.8000e-004	4.2400e-003	1.1700e-003	1.8000e-004	1.3500e-003	0.0000	11.0818	11.0818	1.2000e-004	1.6400e-003	11.5740
Worker	5.7100e-003	3.9900e-003	0.0515	1.4000e-004	0.0171	8.0000e-005	0.0172	4.5400e-003	8.0000e-005	4.6200e-003	0.0000	13.2575	13.2575	3.8000e-004	3.7000e-004	13.3785
Total	**6.5300e-003**	**0.0283**	**0.0622**	**2.6000e-004**	**0.0212**	**2.6000e-004**	**0.0214**	**5.7100e-003**	**2.6000e-004**	**5.9700e-003**	**0.0000**	**24.3393**	**24.3393**	**5.0000e-004**	**2.0100e-003**	**24.9525**

3.3 Building Renovation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0140	0.0943	0.1400	2.3000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	19.7452	19.7452	1.1100e-003	0.0000	19.7730
Total	**0.0140**	**0.0943**	**0.1400**	**2.3000e-004**		**4.7100e-003**	**4.7100e-003**		**4.7100e-003**	**4.7100e-003**	**0.0000**	**19.7452**	**19.7452**	**1.1100e-003**	**0.0000**	**19.7730**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5000e-004	0.0223	9.7200e-003	1.0000e-004	3.7300e-003	1.7000e-004	3.9000e-003	1.0800e-003	1.6000e-004	1.2400e-003	0.0000	10.0450	10.0450	1.1000e-004	1.4900e-003	10.4906
Worker	4.9000e-003	3.2800e-003	0.0445	1.3000e-004	0.0158	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2500e-003	0.0000	11.9129	11.9129	3.2000e-004	3.2000e-004	12.0163
Total	**5.6500e-003**	**0.0256**	**0.0542**	**2.3000e-004**	**0.0195**	**2.4000e-004**	**0.0197**	**5.2600e-003**	**2.3000e-004**	**5.4900e-003**	**0.0000**	**21.9579**	**21.9579**	**4.3000e-004**	**1.8100e-003**	**22.5069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.6000e-003	0.1049	0.1417	2.3000e-004		7.3500e-003	7.3500e-003		7.3500e-003	7.3500e-003	0.0000	19.7451	19.7451	1.1100e-003	0.0000	19.7729
Total	**4.6000e-003**	**0.1049**	**0.1417**	**2.3000e-004**		**7.3500e-003**	**7.3500e-003**		**7.3500e-003**	**7.3500e-003**	**0.0000**	**19.7451**	**19.7451**	**1.1100e-003**	**0.0000**	**19.7729**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5000e-004	0.0223	9.7200e-003	1.0000e-004	3.7300e-003	1.7000e-004	3.9000e-003	1.0800e-003	1.6000e-004	1.2400e-003	0.0000	10.0450	10.0450	1.1000e-004	1.4900e-003	10.4906
Worker	4.9000e-003	3.2800e-003	0.0445	1.3000e-004	0.0158	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2500e-003	0.0000	11.9129	11.9129	3.2000e-004	3.2000e-004	12.0163
Total	**5.6500e-003**	**0.0256**	**0.0542**	**2.3000e-004**	**0.0195**	**2.4000e-004**	**0.0197**	**5.2600e-003**	**2.3000e-004**	**5.4900e-003**	**0.0000**	**21.9579**	**21.9579**	**4.3000e-004**	**1.8100e-003**	**22.5069**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	97.2027	97.2027	8.2000e-003	9.9000e-004	97.7042
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	97.2027	97.2027	8.2000e-003	9.9000e-004	97.7042
NaturalGas Mitigated	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	36.2582	36.2582	6.9000e-004	6.6000e-004	36.4737
NaturalGas Unmitigated	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	36.2582	36.2582	6.9000e-004	6.6000e-004	36.4737

5.2 Energy by Land Use - NaturalGas

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	679454	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	36.2582	36.2582	6.9000e-004	6.6000e-004	36.4737
Total		**3.6600e-003**	**0.0333**	**0.0280**	**2.0000e-004**		**2.5300e-003**	**2.5300e-003**		**2.5300e-003**	**2.5300e-003**	**0.0000**	**36.2582**	**36.2582**	**6.9000e-004**	**6.6000e-004**	**36.4737**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	679454	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	36.2582	36.2582	6.9000e-004	6.6000e-004	36.4737
Total		**3.6600e-003**	**0.0333**	**0.0280**	**2.0000e-004**		**2.5300e-003**	**2.5300e-003**		**2.5300e-003**	**2.5300e-003**	**0.0000**	**36.2582**	**36.2582**	**6.9000e-004**	**6.6000e-004**	**36.4737**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	kWh/yr	MT/yr			
Junior High School	548098	97.2027	8.2000e-003	9.9000e-004	97.7042
Total		**97.2027**	**8.2000e-003**	**9.9000e-004**	**97.7042**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	548098	97.2027	8.2000e-003	9.9000e-004	97.7042
Total		**97.2027**	**8.2000e-003**	**9.9000e-004**	**97.7042**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated	0.3960	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-003	1.4000e-003	0.0000	0.0000	1.4900e-003
Unmitigated	0.3960	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-003	1.4000e-003	0.0000	0.0000	1.4900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0906					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3054					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-003	1.4000e-003	0.0000	0.0000	1.4900e-003
Total	**0.3960**	**1.0000e-005**	**7.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4000e-003**	**1.4000e-003**	**0.0000**	**0.0000**	**1.4900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0906					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Consumer Products	0.3054					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-003	1.4000e-003	0.0000	0.0000	1.4900e-003
Total	**0.3960**	**1.0000e-005**	**7.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4000e-003**	**1.4000e-003**	**0.0000**	**0.0000**	**1.4900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.4038	0.0535	1.3600e-003	14.1483
Unmitigated	12.4038	0.0535	1.3600e-003	14.1483

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Junior High School	1.61236 / 4.14606	12.4038	0.0535	1.3600e-003	14.1483
Total		**12.4038**	**0.0535**	**1.3600e-003**	**14.1483**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	1.61236 / 4.14606	12.4038	0.0535	1.3600e-003	14.1483
Total		**12.4038**	**0.0535**	**1.3600e-003**	**14.1483**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.6340	1.2194	0.0000	51.1199

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated	20.6340	1.2194	0.0000	51.1199

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	101.65	20.6340	1.2194	0.0000	51.1199
Total		**20.6340**	**1.2194**	**0.0000**	**51.1199**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	101.65	20.6340	1.2194	0.0000	51.1199
Total		**20.6340**	**1.2194**	**0.0000**	**51.1199**

9.0 Operational Offroad

JWMS Construction (Phase 2-4) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Construction (Phase 5-6)

Riverside-Salton Sea County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	5.13	1000sqft	0.80	5,133.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Renovation of 5,133 sf.

Construction Phase - Construction schedule per applicant.

Off-road Equipment - Building renovation equipment per applicant.

Off-road Equipment - Paving equipment per applicant.

Trips and VMT - Vedor trips for paving.

Vehicle Trips - Construction only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	88.00
tblConstructionPhase	NumDays	5.00	88.00
tblLandUse	LandUseSquareFeet	5,130.00	5,133.00
tblLandUse	LotAcreage	0.12	0.80
tblOnRoadDust	PhaseName	Building Construction	Building Renovation
tblTripsAndVMT	PhaseName	Building Construction	Building Renovation
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblVehicleTrips	WD_TR	20.17	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0522	0.4043	0.5319	1.2100e-003	5.0000e-003	0.0177	0.0227	1.3400e-003	0.0166	0.0179	0.0000	106.4440	106.4440	0.0289	3.5000e-004	107.2704

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Maximum	**0.0522**	**0.4043**	**0.5319**	**1.2100e-003**	**5.0000e-003**	**0.0177**	**0.0227**	**1.3400e-003**	**0.0166**	**0.0179**	**0.0000**	**106.4440**	**106.4440**	**0.0289**	**3.5000e-004**	**107.2704**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0291	0.5688	0.7334	1.2100e-003	5.0000e-003	0.0289	0.0339	1.3400e-003	0.0289	0.0302	0.0000	106.4439	106.4439	0.0289	3.5000e-004	107.2702
Maximum	**0.0291**	**0.5688**	**0.7334**	**1.2100e-003**	**5.0000e-003**	**0.0289**	**0.0339**	**1.3400e-003**	**0.0289**	**0.0302**	**0.0000**	**106.4439**	**106.4439**	**0.0289**	**3.5000e-004**	**107.2702**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**44.33**	**-40.71**	**-37.90**	**0.00**	**0.00**	**-63.14**	**-49.18**	**0.00**	**-74.21**	**-68.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-11-2024**	**9-10-2024**	0.3408	0.4464
2	**9-11-2024**	**9-30-2024**	0.0741	0.0970
		Highest	0.3408	0.4464

2.2 Overall Operational

Unmitigated Operational

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0260	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Energy	2.4000e-004	2.1900e-003	1.8400e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	8.7616	8.7616	5.8000e-004	1.1000e-004	8.8087
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	1.3540	0.0000	1.3540	0.0800	0.0000	3.3544
Water						0.0000	0.0000		0.0000	0.0000	0.0336	0.7803	0.8138	3.5100e-003	9.0000e-005	0.9283
Total	**0.0262**	**2.1900e-003**	**1.8900e-003**	**1.0000e-005**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**1.3875**	**9.5420**	**10.9295**	**0.0841**	**2.0000e-004**	**13.0914**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0260	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Energy	2.4000e-004	2.1900e-003	1.8400e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	8.7616	8.7616	5.8000e-004	1.1000e-004	8.8087
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	1.3540	0.0000	1.3540	0.0800	0.0000	3.3544
Water						0.0000	0.0000		0.0000	0.0000	0.0336	0.7803	0.8138	3.5100e-003	9.0000e-005	0.9283
Total	**0.0262**	**2.1900e-003**	**1.8900e-003**	**1.0000e-005**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**1.3875**	**9.5420**	**10.9295**	**0.0841**	**2.0000e-004**	**13.0914**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Renovation	Building Construction	6/11/2024	10/10/2024	5	88	
2	Paving	Paving	6/11/2024	10/10/2024	5	88	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Renovation	Air Compressors	1	8.00	78	0.48
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Renovation	1	2.00	1.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	2.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Renovation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0106	0.0715	0.1062	1.7000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	14.9791	14.9791	8.4000e-004	0.0000	15.0002
Total	**0.0106**	**0.0715**	**0.1062**	**1.7000e-004**		**3.5700e-003**	**3.5700e-003**		**3.5700e-003**	**3.5700e-003**	**0.0000**	**14.9791**	**14.9791**	**8.4000e-004**	**0.0000**	**15.0002**

Unmitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.3000e-003	5.7000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.5862	0.5862	1.0000e-005	9.0000e-005	0.6122
Worker	2.3000e-004	1.5000e-004	2.0400e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5477	0.5477	1.0000e-005	1.0000e-005	0.5525
Total	**2.7000e-004**	**1.4500e-003**	**2.6100e-003**	**2.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.6000e-004**	**2.5000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**1.1339**	**1.1339**	**2.0000e-005**	**1.0000e-004**	**1.1647**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4900e-003	0.0796	0.1075	1.7000e-004		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003	0.0000	14.9791	14.9791	8.4000e-004	0.0000	15.0002
Total	**3.4900e-003**	**0.0796**	**0.1075**	**1.7000e-004**		**5.5800e-003**	**5.5800e-003**		**5.5800e-003**	**5.5800e-003**	**0.0000**	**14.9791**	**14.9791**	**8.4000e-004**	**0.0000**	**15.0002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.3000e-003	5.7000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.5862	0.5862	1.0000e-005	9.0000e-005	0.6122
Worker	2.3000e-004	1.5000e-004	2.0400e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5477	0.5477	1.0000e-005	1.0000e-005	0.5525
Total	**2.7000e-004**	**1.4500e-003**	**2.6100e-003**	**2.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.6000e-004**	**2.5000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**1.1339**	**1.1339**	**2.0000e-005**	**1.0000e-004**	**1.1647**

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0401	0.3279	0.4117	9.8000e-004		0.0141	0.0141		0.0129	0.0129	0.0000	86.4200	86.4200	0.0280	0.0000	87.1188
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0401**	**0.3279**	**0.4117**	**9.8000e-004**		**0.0141**	**0.0141**		**0.0129**	**0.0129**	**0.0000**	**86.4200**	**86.4200**	**0.0280**	**0.0000**	**87.1188**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.6100e-003	1.1300e-003	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.4000e-004	0.0000	1.1724	1.1724	1.0000e-005	1.7000e-004	1.2244
Worker	1.1300e-003	7.5000e-004	0.0102	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7386	2.7386	7.0000e-005	7.0000e-005	2.7624
Total	**1.2200e-003**	**3.3600e-003**	**0.0114**	**4.0000e-005**	**4.0600e-003**	**4.0000e-005**	**4.1000e-003**	**1.0900e-003**	**4.0000e-005**	**1.1200e-003**	**0.0000**	**3.9110**	**3.9110**	**8.0000e-005**	**2.4000e-004**	**3.9867**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0241	0.4844	0.6119	9.8000e-004		0.0232	0.0232		0.0232	0.0232	0.0000	86.4199	86.4199	0.0280	0.0000	87.1187
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0241**	**0.4844**	**0.6119**	**9.8000e-004**		**0.0232**	**0.0232**		**0.0232**	**0.0232**	**0.0000**	**86.4199**	**86.4199**	**0.0280**	**0.0000**	**87.1187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.6100e-003	1.1300e-003	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.4000e-004	0.0000	1.1724	1.1724	1.0000e-005	1.7000e-004	1.2244
Worker	1.1300e-003	7.5000e-004	0.0102	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7386	2.7386	7.0000e-005	7.0000e-005	2.7624
Total	**1.2200e-003**	**3.3600e-003**	**0.0114**	**4.0000e-005**	**4.0600e-003**	**4.0000e-005**	**4.1000e-003**	**1.0900e-003**	**4.0000e-005**	**1.1200e-003**	**0.0000**	**3.9110**	**3.9110**	**8.0000e-005**	**2.4000e-004**	**3.9867**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	0.00	0.00	0.00		

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Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.3813	6.3813	5.4000e-004	7.0000e-005	6.4142
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.3813	6.3813	5.4000e-004	7.0000e-005	6.4142
NaturalGas Mitigated	2.4000e-004	2.1900e-003	1.8400e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.3803	2.3803	5.0000e-005	4.0000e-005	2.3945
NaturalGas Unmitigated	2.4000e-004	2.1900e-003	1.8400e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.3803	2.3803	5.0000e-005	4.0000e-005	2.3945

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	44605.8	2.4000e-004	2.1900e-003	1.8400e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.3803	2.3803	5.0000e-005	4.0000e-005	2.3945
Total		**2.4000e-004**	**2.1900e-003**	**1.8400e-003**	**1.0000e-005**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**2.3803**	**2.3803**	**5.0000e-005**	**4.0000e-005**	**2.3945**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	44605.8	2.4000e-004	2.1900e-003	1.8400e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.3803	2.3803	5.0000e-005	4.0000e-005	2.3945
Total		**2.4000e-004**	**2.1900e-003**	**1.8400e-003**	**1.0000e-005**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**2.3803**	**2.3803**	**5.0000e-005**	**4.0000e-005**	**2.3945**

5.3 Energy by Land Use - Electricity

Unmitigated

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	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	35982.3	6.3813	5.4000e-004	7.0000e-005	6.4142
Total		**6.3813**	**5.4000e-004**	**7.0000e-005**	**6.4142**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	35982.3	6.3813	5.4000e-004	7.0000e-005	6.4142
Total		**6.3813**	**5.4000e-004**	**7.0000e-005**	**6.4142**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

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Category	tons/yr										MT/yr					
Mitigated	0.0260	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Unmitigated	0.0260	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Total	**0.0260**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**9.0000e-005**	**9.0000e-005**	**0.0000**	**0.0000**	**1.0000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					

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Architectural Coating	5.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	0.0201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004	
Total	**0.0260**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**9.0000e-005**	**9.0000e-005**	**0.0000**	**0.0000**	**1.0000e-004**	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.8138	3.5100e-003	9.0000e-005	0.9283
Unmitigated	0.8138	3.5100e-003	9.0000e-005	0.9283

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	Mgal	MT/yr			
Junior High School	0.105786 / 0.272021	0.8138	3.5100e-003	9.0000e-005	0.9283
Total		**0.8138**	**3.5100e-003**	**9.0000e-005**	**0.9283**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	0.105786 / 0.272021	0.8138	3.5100e-003	9.0000e-005	0.9283
Total		**0.8138**	**3.5100e-003**	**9.0000e-005**	**0.9283**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated	1.3540	0.0800	0.0000	3.3544
Unmitigated	1.3540	0.0800	0.0000	3.3544

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	6.67	1.3540	0.0800	0.0000	3.3544
Total		**1.3540**	**0.0800**	**0.0000**	**3.3544**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	6.67	1.3540	0.0800	0.0000	3.3544
Total		**1.3540**	**0.0800**	**0.0000**	**3.3544**

JWMS Construction (Phase 5-6) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

JWMS Operation (Existing)

Riverside-Salton Sea County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	1,695.00	Student	20.00	108,640.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing operational emissions.

Land Use - Project site is approximately 20 acres.

Construction Phase - Operation only.

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Use -

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/26/2021
tblLandUse	LandUseSquareFeet	199,267.05	108,640.00
tblLandUse	LotAcreage	4.57	20.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4509	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Energy	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	242.9717	242.9717	0.0168	2.9500e-003	244.2698
Mobile	1.3152	2.3196	12.4566	0.0266	2.5391	0.0332	2.5722	0.6786	0.0313	0.7099	0.0000	2,460.0056	2,460.0056	0.1473	0.1350	2,503.9205
Waste						0.0000	0.0000		0.0000	0.0000	62.7932	0.0000	62.7932	3.7110	0.0000	155.5676
Water						0.0000	0.0000		0.0000	0.0000	1.3036	30.3075	31.6111	0.1365	3.4700e-003	36.0570
Total	**1.7719**	**2.3722**	**12.5163**	**0.0269**	**2.5391**	**0.0372**	**2.5762**	**0.6786**	**0.0353**	**0.7139**	**64.0968**	**2,733.3150**	**2,797.4119**	**4.0116**	**0.1414**	**2,939.8471**

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4192	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Energy	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	242.9717	242.9717	0.0168	2.9500e-003	244.2698
Mobile	1.3152	2.3196	12.4566	0.0266	2.5391	0.0332	2.5722	0.6786	0.0313	0.7099	0.0000	2,460.0056	2,460.0056	0.1473	0.1350	2,503.9205
Waste						0.0000	0.0000		0.0000	0.0000	62.7932	0.0000	62.7932	3.7110	0.0000	155.5676
Water						0.0000	0.0000		0.0000	0.0000	1.3036	30.3075	31.6111	0.1365	3.4700e-003	36.0570
Total	**1.7402**	**2.3722**	**12.5163**	**0.0269**	**2.5391**	**0.0372**	**2.5762**	**0.6786**	**0.0353**	**0.7139**	**64.0968**	**2,733.3150**	**2,797.4119**	**4.0116**	**0.1414**	**2,939.8471**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.79**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/27/2021	7/26/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Date: 7/27/2021 3:00 PM

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Date: 7/27/2021 3:00 PM

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3152	2.3196	12.4566	0.0266	2.5391	0.0332	2.5722	0.6786	0.0313	0.7099	0.0000	2,460.0056	2,460.0056	0.1473	0.1350	2,503.9205
Unmitigated	1.3152	2.3196	12.4566	0.0266	2.5391	0.0332	2.5722	0.6786	0.0313	0.7099	0.0000	2,460.0056	2,460.0056	0.1473	0.1350	2,503.9205

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	3,610.35	0.00	0.00	6,708,273	6,708,273
Total	3,610.35	0.00	0.00	6,708,273	6,708,273

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.526952	0.055595	0.171420	0.146684	0.028082	0.007534	0.012170	0.018914	0.000644	0.000327	0.024492	0.001104	0.006082

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	185.9248	185.9248	0.0157	1.9000e-003	186.8840
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	185.9248	185.9248	0.0157	1.9000e-003	186.8840

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

NaturalGas Mitigated	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	57.0469	57.0469	1.0900e-003	1.0500e-003	57.3859
NaturalGas Unmitigated	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	57.0469	57.0469	1.0900e-003	1.0500e-003	57.3859

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	1.06902e+006	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	57.0469	57.0469	1.0900e-003	1.0500e-003	57.3859
Total		**5.7600e-003**	**0.0524**	**0.0440**	**3.1000e-004**		**3.9800e-003**	**3.9800e-003**		**3.9800e-003**	**3.9800e-003**	**0.0000**	**57.0469**	**57.0469**	**1.0900e-003**	**1.0500e-003**	**57.3859**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	1.06902e+006	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	57.0469	57.0469	1.0900e-003	1.0500e-003	57.3859
Total		**5.7600e-003**	**0.0524**	**0.0440**	**3.1000e-004**		**3.9800e-003**	**3.9800e-003**		**3.9800e-003**	**3.9800e-003**	**0.0000**	**57.0469**	**57.0469**	**1.0900e-003**	**1.0500e-003**	**57.3859**

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	1.04838e+006	185.9248	0.0157	1.9000e-003	186.8840
Total		**185.9248**	**0.0157**	**1.9000e-003**	**186.8840**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	1.04838e+006	185.9248	0.0157	1.9000e-003	186.8840
Total		**185.9248**	**0.0157**	**1.9000e-003**	**186.8840**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4192	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Unmitigated	0.4509	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0252					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4243					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Total	**0.4509**	**1.4000e-004**	**0.0156**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0303**	**0.0303**	**8.0000e-005**	**0.0000**	**0.0323**

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0252					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3926					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Total	**0.4192**	**1.4000e-004**	**0.0156**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0303**	**0.0303**	**8.0000e-005**	**0.0000**	**0.0323**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	31.6111	0.1365	3.4700e-003	36.0570

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated	31.6111	0.1365	3.4700e-003	36.0570

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	4.10909 / 10.5662	31.6111	0.1365	3.4700e-003	36.0570
Total		**31.6111**	**0.1365**	**3.4700e-003**	**36.0570**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	4.10909 / 10.5662	31.6111	0.1365	3.4700e-003	36.0570
Total		**31.6111**	**0.1365**	**3.4700e-003**	**36.0570**

8.0 Waste Detail

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	62.7932	3.7110	0.0000	155.5676
Unmitigated	62.7932	3.7110	0.0000	155.5676

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	309.34	62.7932	3.7110	0.0000	155.5676
Total		**62.7932**	**3.7110**	**0.0000**	**155.5676**

Mitigated

JWMS Operation (Existing) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	309.34	62.7932	3.7110	0.0000	155.5676
Total		**62.7932**	**3.7110**	**0.0000**	**155.5676**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JWMS Operation (Project)

Riverside-Salton Sea County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	1,695.00	Student	20.00	114,152.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project operational emissions.

Land Use - Project site is approximately 20 acres.

Construction Phase - Operation only.

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/26/2021
tblLandUse	LandUseSquareFeet	199,267.05	114,152.00
tblLandUse	LotAcreage	4.57	20.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4737	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Energy	5.3500e-003	0.0486	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	194.8488	194.8488	0.0130	2.4200e-003	195.8954
Mobile	1.0674	1.5518	10.1177	0.0233	2.5367	0.0190	2.5557	0.6776	0.0178	0.6954	0.0000	2,203.0968	2,203.0968	0.1198	0.1116	2,239.3412
Waste						0.0000	0.0000		0.0000	0.0000	62.7932	0.0000	62.7932	3.7110	0.0000	155.5676
Water						0.0000	0.0000		0.0000	0.0000	1.3036	30.3075	31.6111	0.1365	3.4700e-003	36.0570
Total	**1.5464**	**1.6006**	**10.1741**	**0.0236**	**2.5367**	**0.0228**	**2.5595**	**0.6776**	**0.0216**	**0.6992**	**64.0968**	**2,428.2834**	**2,492.3802**	**3.9803**	**0.1175**	**2,626.8934**

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4404	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Energy	5.3500e-003	0.0486	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	193.6645	193.6645	0.0129	2.4100e-003	194.7050
Mobile	1.0674	1.5518	10.1177	0.0233	2.5367	0.0190	2.5557	0.6776	0.0178	0.6954	0.0000	2,203.0968	2,203.0968	0.1198	0.1116	2,239.3412
Waste						0.0000	0.0000		0.0000	0.0000	62.7932	0.0000	62.7932	3.7110	0.0000	155.5676
Water						0.0000	0.0000		0.0000	0.0000	1.0429	27.1398	28.1827	0.1094	2.8100e-003	31.7543
Total	**1.5131**	**1.6006**	**10.1741**	**0.0236**	**2.5367**	**0.0228**	**2.5595**	**0.6776**	**0.0216**	**0.6992**	**63.8361**	**2,423.9314**	**2,487.7675**	**3.9531**	**0.1168**	**2,621.4003**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**2.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.41**	**0.18**	**0.19**	**0.68**	**0.57**	**0.21**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/27/2021	7/26/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Date: 7/27/2021 3:11 PM

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0674	1.5518	10.1177	0.0233	2.5367	0.0190	2.5557	0.6776	0.0178	0.6954	0.0000	2,203.0968	2,203.0968	0.1198	0.1116	2,239.3412
Unmitigated	1.0674	1.5518	10.1177	0.0233	2.5367	0.0190	2.5557	0.6776	0.0178	0.6954	0.0000	2,203.0968	2,203.0968	0.1198	0.1116	2,239.3412

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	3,610.35	0.00	0.00	6,708,273	6,708,273
Total	3,610.35	0.00	0.00	6,708,273	6,708,273

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	12.50	4.20	5.40	72.80	22.20	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	140.7286	140.7286	0.0119	1.4400e-003	141.4546

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	141.9129	141.9129	0.0120	1.4500e-003	142.6450
NaturalGas Mitigated	5.3500e-003	0.0486	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	52.9359	52.9359	1.0100e-003	9.7000e-004	53.2505
NaturalGas Unmitigated	5.3500e-003	0.0486	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	52.9359	52.9359	1.0100e-003	9.7000e-004	53.2505

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	991981	5.3500e-003	0.0486	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	52.9359	52.9359	1.0100e-003	9.7000e-004	53.2505
Total		**5.3500e-003**	**0.0486**	**0.0409**	**2.9000e-004**		**3.7000e-003**	**3.7000e-003**		**3.7000e-003**	**3.7000e-003**	**0.0000**	**52.9359**	**52.9359**	**1.0100e-003**	**9.7000e-004**	**53.2505**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	991981	5.3500e-003	0.0486	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	52.9359	52.9359	1.0100e-003	9.7000e-004	53.2505
Total		**5.3500e-003**	**0.0486**	**0.0409**	**2.9000e-004**		**3.7000e-003**	**3.7000e-003**		**3.7000e-003**	**3.7000e-003**	**0.0000**	**52.9359**	**52.9359**	**1.0100e-003**	**9.7000e-004**	**53.2505**

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	800206	141.9129	0.0120	1.4500e-003	142.6450
Total		**141.9129**	**0.0120**	**1.4500e-003**	**142.6450**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	793528	140.7286	0.0119	1.4400e-003	141.4546
Total		**140.7286**	**0.0119**	**1.4400e-003**	**141.4546**

6.0 Area Detail

6.1 Mitigation Measures Area

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4404	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Unmitigated	0.4737	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4458					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4300e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	**0.4737**	**1.4000e-004**	**0.0155**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0303**	**0.0303**	**8.0000e-005**	**0.0000**	**0.0323**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4300e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0323
Total	**0.4404**	**1.4000e-004**	**0.0155**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0303**	**0.0303**	**8.0000e-005**	**0.0000**	**0.0323**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	28.1827	0.1094	2.8100e-003	31.7543
Unmitigated	31.6111	0.1365	3.4700e-003	36.0570

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	4.10909 / 10.5662	31.6111	0.1365	3.4700e-003	36.0570
Total		**31.6111**	**0.1365**	**3.4700e-003**	**36.0570**

Mitigated

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	3.28727 / 9.92168	28.1827	0.1094	2.8100e-003	31.7543
Total		**28.1827**	**0.1094**	**2.8100e-003**	**31.7543**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	62.7932	3.7110	0.0000	155.5676
Unmitigated	62.7932	3.7110	0.0000	155.5676

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	tons	MT/yr			
Junior High School	309.34	62.7932	3.7110	0.0000	155.5676
Total		**62.7932**	**3.7110**	**0.0000**	**155.5676**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	309.34	62.7932	3.7110	0.0000	155.5676
Total		**62.7932**	**3.7110**	**0.0000**	**155.5676**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

JWMS Operation (Project) - Riverside-Salton Sea County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX F

EDR Report

James Workman Middle School
69300 30th Ave.
Cathedral City, CA 92234

Inquiry Number: 6347086.2s
January 27, 2021

The EDR Radius Map™ Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

69300 30TH AVE.
CATHEDRAL CITY, CA 92234

COORDINATES

Latitude (North):	33.8305260 - 33° 49' 49.89''
Longitude (West):	116.4450560 - 116° 26' 42.20''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	551350.9
UTM Y (Meters):	3743309.8
Elevation:	340 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5639316 CATHEDRAL CITY, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140521
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
69300 30TH AVE.
CATHEDRAL CITY, CA 92234

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	AGUA CALIENTE INDIAN		INDIAN RESERV	Same	5278, 1.000, South
Reg	AGUA CALIENTE INDIAN		INDIAN RESERV	Same	1312, 0.248, East
Reg	AGUA CALIENTE INDIAN		INDIAN RESERV	Same	32, 0.006, North
1	ALLOTMENT 41E		IHS OPEN DUMPS	Lower	562, 0.106, East
2	CATHEDRAL CITY	DEVALL DR. AND 30TH	SWF/LF, CERS	Lower	1231, 0.233, East
3	DAVALL & 39TH AVE		IHS OPEN DUMPS	Lower	1447, 0.274, East
4	ALLOTMENT 20EC		IHS OPEN DUMPS	Higher	2496, 0.473, NW
5	REGIONAL LEARNING CE	DATE PALM DRIVE	ENVIROSTOR, SCH	Higher	3829, 0.725, WSW
6	PROPOSED HIGH SCHOOL	NW AREA OF RAMOND &	ENVIROSTOR, SCH	Lower	3887, 0.736, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State and tribal leaking storage tank lists

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
UST ..... Active UST Facilities
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
CDL ..... Clandestine Drug Labs

CERS HAZ WASTE ..... CERS HAZ WASTE
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register
PFAS ..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST ..... SWEEPS UST Listing
HIST UST ..... Hazardous Substance Storage Container Database
CERS TANKS ..... California Environmental Reporting System (CERS) Tanks
CA FID UST ..... Facility Inventory Database

Local Land Records

LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CHMIRS ..... California Hazardous Material Incident Report System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR ..... RCRA - Non Generators / No Longer Regulated
FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
FUSRAP ..... Formerly Utilized Sites Remedial Action Program

UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
FINDS ---- Facility Index System/Facility Registry System
ECHO ---- Enforcement & Compliance History Information
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
Cortese ---- "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings ---- CUPA Resources List
DRYCLEANERS ---- Cleaner Facilities
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
HAZNET ---- Facility and Manifest Data
ICE ---- ICE
HIST CORTESE ---- Hazardous Waste & Substance Site List
HWP ---- EnviroStor Permitted Facilities Listing
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
UIC ---- UIC Listing
UIC GEO ---- UIC GEO (GEOTRACKER)
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WDR ---- Waste Discharge Requirements Listing
CIWQS ---- California Integrated Water Quality System
CERS ---- CERS
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---- Mineral Resources Data System
HWTS ---- Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---- Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/26/2020 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REGIONAL LEARNING CE Facility Id: 33650016 Status: No Action Required	***DATE PALM DRIVE***	***WSW 1/2 - 1 (0.725 mi.)***	***5***	***14***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED HIGH SCHOOL Facility Id: 60000176 Status: No Action Required	***NW AREA OF RAMOND &***	***SE 1/2 - 1 (0.736 mi.)***	***6***	***16***

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within

approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CATHEDRAL CITY	***DEVALL DR. AND 30TH***	***E 1/8 - 1/4 (0.233 mi.)***	***2***	***10***

Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020
Facility ID: 33-CR-0031
Operational Status: Closed
Regulation Status: Unpermitted

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

IHS OPEN DUMPS: A listing of all open dumps located on Indian Land in the United States.

A review of the IHS OPEN DUMPS list, as provided by EDR, and dated 04/01/2014 has revealed that there are 3 IHS OPEN DUMPS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLOTMENT 20EC		NW 1/4 - 1/2 (0.473 mi.)	4	13

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALLOTMENT 41E		E 0 - 1/8 (0.106 mi.)	1	9
DAVALL & 39TH AVE		E 1/4 - 1/2 (0.274 mi.)	3	13

Other Ascertainable Records

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

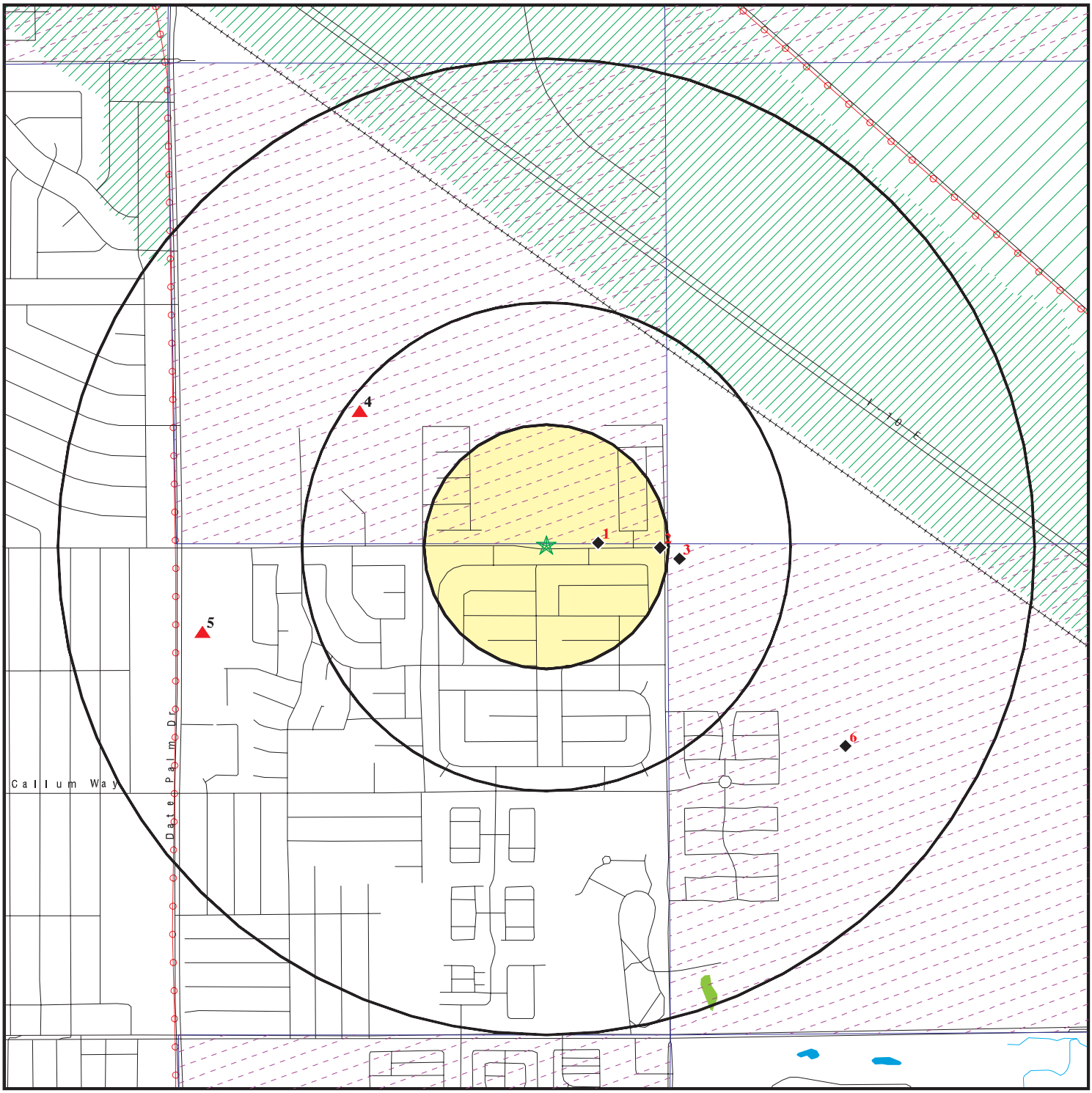
A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2014 has revealed that there are 3 INDIAN RESERV sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AGUA CALIENTE INDIAN		S 1/2 - 1 (1.000 mi.)	0	9
AGUA CALIENTE INDIAN		E 1/8 - 1/4 (0.248 mi.)	0	9
AGUA CALIENTE INDIAN		N 0 - 1/8 (0.006 mi.)	0	9

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6347086.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: James Workman Middle School ADDRESS: 69300 30th Ave. Cathedral City CA 92234 LAT/LONG: 33.830526 / 116.445056	CLIENT: Meridian Consultants LLC CONTACT: Zulema Renteria INQUIRY #: 6347086.2s DATE: January 27, 2021 7:21 pm

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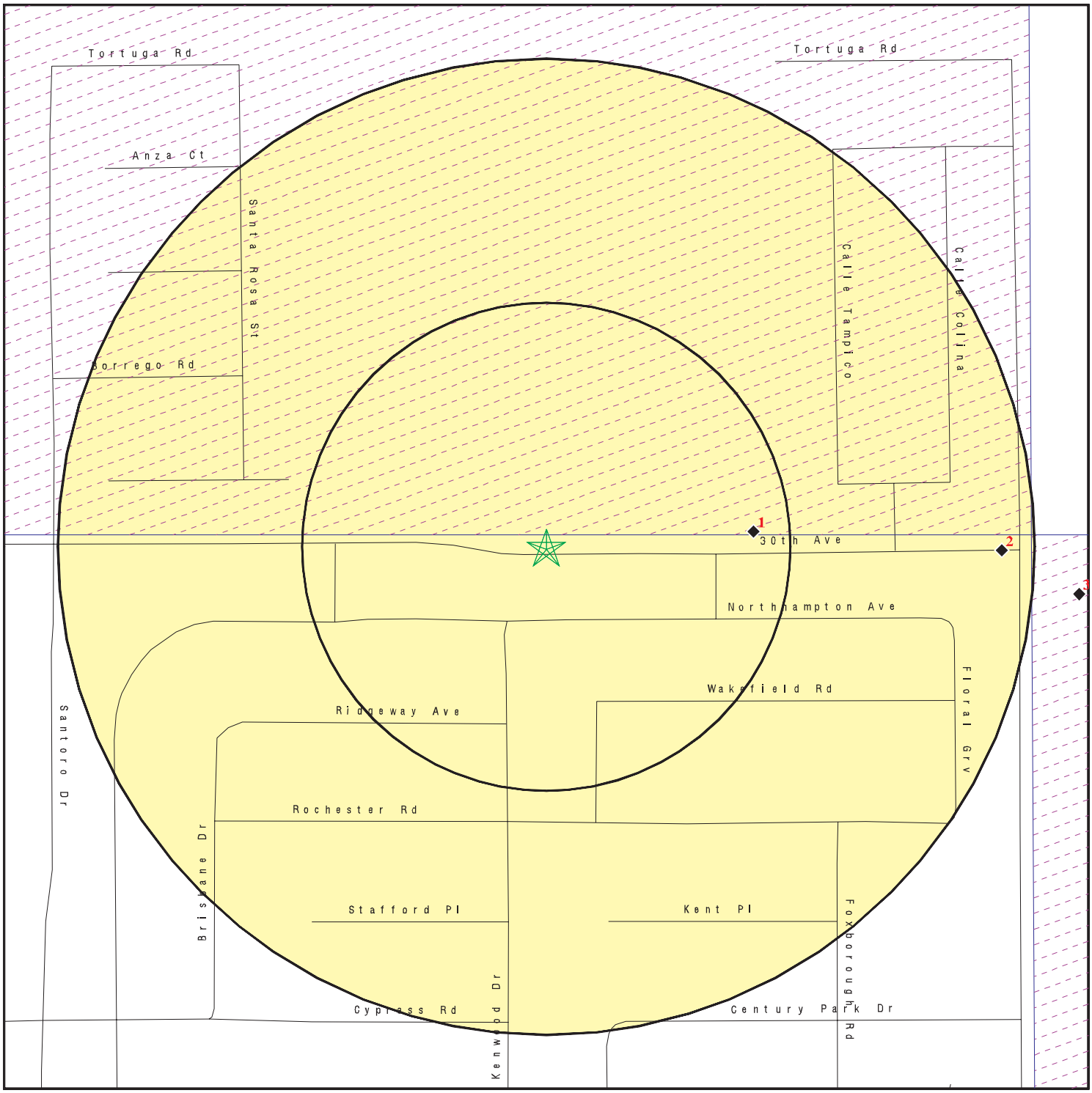
DETAIL MAP - 6347086.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: James Workman Middle School ADDRESS: 69300 30th Ave. Cathedral City CA 92234 LAT/LONG: 33.830526 / 116.445056	CLIENT: Meridian Consultants LLC CONTACT: Zulema Renteria INQUIRY #: 6347086.2s DATE: January 27, 2021 7:22 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	2	NR	2
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	1	0	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		1	0	2	NR	NR	3
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		1	1	0	1	NR	3
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	2	2	2	3	0	9

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

IND RES **AGUA CALIENTE INDIAN RESERVATION** **INDIAN RESERV** **CIND200697**
Region **N/A**
South **, CA**
1/2-1
5278 ft.

INDIAN RESERV:
Feature: Indian Reservation
Name: Agua Caliente Indian Reservation
Agency: BIA

IND RES **AGUA CALIENTE INDIAN RESERVATION** **INDIAN RESERV** **CIND200688**
Region **N/A**
East **, CA**
1/8-1/4
1312 ft.

INDIAN RESERV:
Feature: Indian Reservation
Name: Agua Caliente Indian Reservation
Agency: BIA

IND RES **AGUA CALIENTE INDIAN RESERVATION** **INDIAN RESERV** **CIND200685**
Region **N/A**
North **, CA**
< 1/8
32 ft.

INDIAN RESERV:
Feature: Indian Reservation
Name: Agua Caliente Indian Reservation
Agency: BIA

---

1 **ALLOTMENT 41E** **IHS OPEN DUMPS** **1016944257**
East **N/A**
< 1/8 **, CA**
0.106 mi.
562 ft.

Relative:
Lower

Actual:
337 ft.

IHS OPEN DUMPS:
EPA Region: 9
IHS Area: CA
Tribe: AGUA- CALIENTE BAND OF CAHUILLA IND. OF THE AGUA-CALIENTE IND. RESERVATION
edr_fname: Allotment 41E
edr_fadd1: Not reported
City,State,Zip: CA
System Type: Solid Waste Disposal Site
Status: Inactive
Condition: Open Dump - Closed
Condition Date: 2006-01-31 00:00:00
Health Threat: 1-Low
Health Threat Score: 0
Contents: D
Surface Area (acres): 100
N Latitude: 33.830640000000002
W Longitude: 116.44320999999999

2
East
1/8-1/4
0.233 mi.
1231 ft.

CATHEDRAL CITY
DEVALL DR. AND 30TH AVENUE
CATHEDRAL CITY, CA 92334

SWF/LF **S102361777**
CERS **N/A**

Relative:
Lower

Actual:
330 ft.

SWF/LF (SWIS):

Name:	CATHEDRAL CITY
Address:	DEVALL DR. AND 30TH AVENUE
City,State,Zip:	CATHEDRAL CITY, CA 92334
Region:	STATE
Facility ID:	33-CR-0031
SWIS Number:	33-CR-0031
Point of Contact:	Angela Gomez
Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C2
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Colorado River
Local Government:	Cathedral City
Reporting Agency Legal Name:	County of Riverside
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of Riverside
Enforcing Agency Department:	Department of Environmental Health
Regulation Status:	Unpermitted

Activity:

SWIS Number:	33-CR-0031
Site Name:	Cathedral City
Activity:	Solid Waste Landfill
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Facility
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	12/31/1989
Cease Operation Type:	Estimated
Inspection Frequency:	Quarterly
Throughput:	Not reported
Throughput Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	Not reported
Capacity Units:	Not reported
Total Acreage:	0
Disposal Acreage:	0
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Angela Gomez
Site Operational Status:	Closed
Site Regulatory Status:	Unpermitted
Site Is Archived:	No

CATHEDRAL CITY (Continued) **S102361777**

Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C2
EPA Federal Registry ID:	Not reported
County:	Riverside
ARB District:	South Coast
SWRCB Region:	Colorado River
Local Government:	Cathedral City
Street Address:	Devall Dr. and 30th Avenue
City:	Cathedral City
State:	CA
ZIP Code:	92334
Reporting Agency Legal Name:	County of Riverside
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of Riverside
Enforcing Agency Department:	Department of Environmental Health

Operator:

SWIS Number:	33-CR-0031
Site Name:	Cathedral City
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Unpermitted
Latitude:	33.83053
Longitude:	-116.44055
Is Archived:	No
Operator:	Land Improvement Cathedral City
Started On:	1/19/2005
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(760) 564-6693
Street Address:	71847 Sahara Rd.
Operator City:	Rancho Mirage
Operator State:	CA
Operator Zip:	92270

Owner:

SWIS Number:	33-CR-0031
Owner:	Land Improvement Cathedral City
Owner Address:	71847 Sahara Rd
Owner City:	Rancho Mirage
Owner State:	CA
Owner Zip:	92270
Site Name:	Cathedral City
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Unpermitted
Latitude:	33.83053
Longitude:	-116.44055
Is Archived:	No
Started On:	1/19/2005
Contact Name:	Not reported

CATHEDRAL CITY (Continued) **S102361777**

Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(760) 564-6693
SWIS Number:	33-CR-0031
Owner:	City of Cathedral City
Owner Address:	68-700 Avenida Lalo Gerrero
Owner City:	Catedral City
Owner State:	CA
Owner Zip:	92234
Site Name:	Cathedral City
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Unpermitted
Latitude:	33.83053
Longitude:	-116.44055
Is Archived:	No
Started On:	1/19/2005
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(760) 770-0340

CERS:

Name:	CATHEDRAL CITY
Address:	DEVALL DR. AND 30TH AVENUE
City,State,Zip:	CATHEDRAL CITY, CA
Site ID:	507579
CERS ID:	33-CR-0031
CERS Description:	Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	City of Cathedral City
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Catedral City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92234
Affiliation Phone:	7607700340
Affiliation Type Desc:	Legal Operator
Entity Name:	Land Improvement Cathedral City
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Rancho Mirage
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92270
Affiliation Phone:	7605646693
Affiliation Type Desc:	Legal Owner
Entity Name:	Land Improvement Cathedral City
Entity Title:	Not reported
Affiliation Address:	Not reported

CATHEDRAL CITY (Continued) **S102361777**

Affiliation City:	Rancho Mirage
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92270
Affiliation Phone:	7605646693

---

3 **DAVALL & 39TH AVE** **IHS OPEN DUMPS** **1016944255**
East **N/A**
1/4-1/2 **, CA**
0.274 mi.
1447 ft.

Relative: **Lower**
Actual: **330 ft.**

IHS OPEN DUMPS:

EPA Region:	9
IHS Area:	CA
Tribe:	AGUA- CALIENTE BAND OF CAHUILLA IND. OF THE AGUA-CALIENTE IND. RESERVATION
edr_fname:	DaVall & 39th Ave
edr_fadd1:	Not reported
City,State,Zip:	CA
System Type:	Solid Waste Disposal Site
Status:	Inactive
Condition:	Open Dump - Closed
Condition Date:	2012-08-01 00:00:00
Health Threat:	Not reported
Health Threat Score:	No score
Contents:	???
Surface Area (acres):	Not reported
N Latitude:	33.830174999999997
W Longitude:	116.44031099999999

---

4 **ALLOTMENT 20EC** **IHS OPEN DUMPS** **1016944261**
NW **N/A**
1/4-1/2 **, CA**
0.473 mi.
2496 ft.

Relative: **Higher**
Actual: **359 ft.**

IHS OPEN DUMPS:

EPA Region:	9
IHS Area:	CA
Tribe:	AGUA- CALIENTE BAND OF CAHUILLA IND. OF THE AGUA-CALIENTE IND. RESERVATION
edr_fname:	Allotment 20EC
edr_fadd1:	Not reported
City,State,Zip:	CA
System Type:	Solid Waste Disposal Site
Status:	Active
Condition:	Open Dump - Surface
Condition Date:	Not reported
Health Threat:	1-Low
Health Threat Score:	0
Contents:	F
Surface Area (acres):	40
N Latitude:	33.834569999999999
W Longitude:	116.4517

5
WSW
1/2-1
0.725 mi.
3829 ft.

REGIONAL LEARNING CENTER - CATHEDRAL
DATE PALM DRIVE
CATHEDRAL CITY, CA 92234

ENVIROSTOR SCH

S118756739
N/A

Relative:
Higher

Actual:
373 ft.

ENVIROSTOR:

Name:	REGIONAL LEARNING CENTER - CATHEDRAL
Address:	DATE PALM DRIVE
City,State,Zip:	CATHEDRAL CITY, CA 92234
Facility ID:	33650016
Status:	No Action Required
Status Date:	12/08/2003
Site Code:	404497
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	10
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Angela Garcia
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	56
Senate:	28
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.82800
Longitude:	-116.4573
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	REGIONAL LEARNING CENTER - CATHEDRAL
Alias Type:	Alternate Name
Alias Name:	RIVERSIDE CO. OFFICE OF EDUCATION
Alias Type:	Alternate Name
Alias Name:	RIVERSIDE COE-REGIONAL LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	404497
Alias Type:	Project Code (Site Code)
Alias Name:	33650016
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	12/08/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	11/21/2003
Comments:	Not reported

REGIONAL LEARNING CENTER - CATHEDRAL (Continued) **S118756739**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	02/11/2004
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	REGIONAL LEARNING CENTER - CATHEDRAL
Address:	DATE PALM DRIVE
City,State,Zip:	CATHEDRAL CITY, CA 92234
Facility ID:	33650016
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Angela Garcia
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404497
Assembly:	56
Senate:	28
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	12/08/2003
Restricted Use:	NO
Funding:	School District
Latitude:	33.82800
Longitude:	-116.4573
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	REGIONAL LEARNING CENTER - CATHEDRAL
Alias Type:	Alternate Name
Alias Name:	RIVERSIDE CO. OFFICE OF EDUCATION
Alias Type:	Alternate Name
Alias Name:	RIVERSIDE COE-REGIONAL LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	404497
Alias Type:	Project Code (Site Code)
Alias Name:	33650016

REGIONAL LEARNING CENTER - CATHEDRAL (Continued) **S118756739**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/11/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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6 **PROPOSED HIGH SCHOOL #4 / ELEMENTARY SCHOOL #19** **ENVIROSTOR** **S118757075**
SE **NW AREA OF RAMOND & DA VALL ROAD** **SCH** **N/A**
1/2-1 **RANCHO MIRAGE, CA 92270**
0.736 mi.
3887 ft.

Relative: **Lower**
Actual: **317 ft.**

ENVIROSTOR:
Name: PROPOSED HIGH SCHOOL #4 / ELEMENTARY SCHOOL #19
Address: NW AREA OF RAMOND & DA VALL ROAD
City,State,Zip: RANCHO MIRAGE, CA 92270
Facility ID: 60000176
Status: No Action Required
Status Date: 05/30/2006
Site Code: 404683
Site Type: School Investigation
Site Type Detailed: School
Acres: 80
NPL: NO
Regulatory Agencies: SMBRP, RIVERSIDE COUNTY
Lead Agency: NONE SPECIFIED
Program Manager: Angela Garcia
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 56
Senate: 28
Special Program: Not reported
Restricted Use: NO

PROPOSED HIGH SCHOOL #4 / ELEMENTARY SCHOOL #19 (Continued) **S118757075**

Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.82459
Longitude: -116.4344
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: Arsenic DDD DDE DDT
Confirmed COC: 30001-NO 30006-NO 30007-NO 30008-NO
Potential Description: NMA
Alias Name: 404683
Alias Type: Project Code (Site Code)
Alias Name: 60000176
Alias Type: Envirostor ID Number
Alias Name: 60000177
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/26/2006
Comments: The Phase One did recommended no further action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/26/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: PROPOSED HIGH SCHOOL #4 / ELEMENTARY SCHOOL #19
Address: NW AREA OF RAMOND & DA VALL ROAD
City,State,Zip: RANCHO MIRAGE, CA 92270
Facility ID: 60000176
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 80
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RIVERSIDE COUNTY
Lead Agency: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: Angela Garcia
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404683

PROPOSED HIGH SCHOOL #4 / ELEMENTARY SCHOOL #19 (Continued) **S118757075**

Assembly:	56
Senate:	28
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	05/30/2006
Restricted Use:	NO
Funding:	School District
Latitude:	33.82459
Longitude:	-116.4344
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	Arsenic, DDD, DDE, DDT
Confirmed COC:	30001-NO, 30006-NO, 30007-NO, 30008-NO
Potential Description:	NMA
Alias Name:	404683
Alias Type:	Project Code (Site Code)
Alias Name:	60000176
Alias Type:	Envirostor ID Number
Alias Name:	60000177
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	05/26/2006
Comments:	The Phase One did recommended no further action.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	05/26/2006
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/11/2020
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/14/2021
Number of Days to Update: 65

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/10/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/03/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/03/2020
Number of Days to Update: 86
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/11/2020
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/14/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/26/2020
Date Data Arrived at EDR: 08/28/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 81

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 81
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/20/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/29/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/21/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2020
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/30/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/06/2021
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/20/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/16/2020
Date Data Arrived at EDR: 09/17/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 73
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 74
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/28/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 81
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 11/13/2020
Number of Days to Update: 79
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/19/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 14
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/16/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 82
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 79
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/04/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/05/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 81

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/29/2020
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 81

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/07/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/22/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/14/2020
Number of Days to Update: 76

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 71

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 84

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 1

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 08/20/2020
Date Data Arrived at EDR: 08/24/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 77

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/15/2020
Next Scheduled EDR Contact: 03/08/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/28/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 79

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/21/2021
Number of Days to Update: 79
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 1
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/04/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/23/2020
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/20/2020
Date Data Arrived at EDR: 08/20/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 09/16/2020
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 09/18/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 83

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 08/11/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/02/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/26/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/20/2020
Next Scheduled EDR Contact: 04/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/07/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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APPENDIX G

Noise Calculations Output Sheets

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descı Demolition

---- Receptor #1 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	63.5	63.5	63.5

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		110	0
Dozer	No	40		81.7	110	0
Flat Bed Truck	No	40		74.3	110	0
Front End Loader	No	40		79.1	110	0
Jackhammer	Yes	20		88.9	110	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	77.2	73.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	74.8	70.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	67.4	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jackhammer	82	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	82	78.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	51.3	51.3	51.3

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		645	0
Dozer	No	40		81.7	645	0
Flat Bed Truck	No	40		74.3	645	0
Front End Loader	No	40		79.1	645	0
Jackhammer	Yes	20		88.9	645	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	61.8	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	59.5	55.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	52	48.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	56.9	52.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jackhammer	66.7	59.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	66.7	63.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	61.6	61.6	61.6

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		620	0
Dozer	No	40		81.7	620	0
Flat Bed Truck	No	40		74.3	620	0
Front End Loader	No	40		79.1	620	0
Jackhammer	Yes	20		88.9	620	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	62.1	58.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	59.8	55.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	52.4	48.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	57.2	53.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jackhammer	67	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	67	63.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
25 ft Refer	Residentia	47.9	47.9	47.9

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		25	0
Dozer	No	40		81.7	25	0
Flat Bed Truck	No	40		74.3	25	0
Front End Loader	No	40		79.1	25	0
Jackhammer	Yes	20		88.9	25	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		0		0		0		0		0		0		0
Dozer		0		0		0		0		0		0		0
Flat Bed Truck		0		0		0		0		0		0		0
Front End Loader		0		0		0		0		0		0		0
Jackhammer		0		0		0		0		0		0		0
Total	0	0		0		0		0		0		0		0

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descı Grading

---- Receptor #1 ----

Descriptio	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	63.5	63.5	63.5

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	110	0
Compactor (ground)	No	20		83.2	110	0
Front End Loader	No	40		79.1	110	0
Flat Bed Truck	No	40		74.3	110	0
Roller	No	20		80	110	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	73.9	69.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compactor (ground)	76.4	69.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	67.4	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	73.2	66.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	76.4	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Descriptio	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	51.3	51.3	51.3

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	645	0
Compactor (ground)	No	20		83.2	645	0
Front End Loader	No	40		79.1	645	0
Flat Bed Truck	No	40		74.3	645	0
Roller	No	20		80	645	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	58.5	54.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compactor (ground)	61	54	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	56.9	52.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	52	48.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	57.8	50.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	61	59.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Descriptio	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	61.6	61.6	61.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	620	0
Compactor (ground)	No	20		83.2	620	0
Front End Loader	No	40		79.1	620	0
Flat Bed Truck	No	40		74.3	620	0
Roller	No	20		80	620	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	58.8	54.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compactor (ground)	61.4	54.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	57.2	53.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	52.4	48.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	58.1	51.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	61.4	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
25 ft Refer	Residentia	47.9	47.9	47.9

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	25	0
Compactor (ground)	No	20		83.2	25	0
Front End Loader	No	40		79.1	25	0
Flat Bed Truck	No	40		74.3	25	0
Roller	No	20		80	25	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	86.7	82.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compactor (ground)	89.3	82.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	85.1	81.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	80.3	76.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	86	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.3	87.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descı Building Construction

---- Receptor #1 ----

Descriptio	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	63.5	63.5	63.5

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	110	0
Crane	No	16		80.6	110	0
Auger Drill Rig	No	20		84.4	110	0
Pumps	No	50		80.9	110	0
Gradall	No	40		83.4	110	0
Auger Drill Rig	No	20		84.4	110	0
Forklift	No	40		85	110	0
Tractor	No	40	84		110	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	72	68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	73.7	65.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	77.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	74.1	71.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gradall	76.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	77.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	78.2	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	77.2	73.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	78.2	80.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Descriptio	Land Use	Baselines (dBA) Daytime	Evening	Night
Residentia	Residentia	51.3	51.3	51.3

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	645	0
Crane	No	16		80.6	645	0
Auger Drill Rig	No	20		84.4	645	0
Pumps	No	50		80.9	645	0
Gradall	No	40		83.4	645	0
Auger Drill Rig	No	20		84.4	645	0
Forklift	No	40		85	645	0
Tractor	No	40	84		645	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	56.6	52.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	58.3	50.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	62.1	55.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	58.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gradall	61.2	57.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	62.1	55.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	62.8	58.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	61.8	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.8	65.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	61.6	61.6	61.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	620	0
Crane	No	16		80.6	620	0
Auger Drill Rig	No	20		84.4	620	0
Pumps	No	50		80.9	620	0
Gradall	No	40		83.4	620	0
Auger Drill Rig	No	20		84.4	620	0
Forklift	No	40		85	620	0
Tractor	No	40	84		620	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	56.9	53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	58.7	50.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	62.5	55.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	59.1	56.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gradall	61.5	57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	62.5	55.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	63.1	59.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	63.1	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Descriptio	Land Use	Daytime	Evening	Night
25 ft Refer	Residentia	47.9	47.9	47.9

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	25	0
Crane	No	16		80.6	25	0
Auger Drill Rig	No	20		84.4	25	0
Pumps	No	50		80.9	25	0
Gradall	No	40		83.4	25	0
Auger Drill Rig	No	20		84.4	25	0
Forklift	No	40		85	25	0
Tractor	No	40	84		25	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	84.8	80.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	86.6	78.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	90.4	83.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	87	84	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gradall	89.4	85.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	90.4	83.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	91	87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	90	86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	91	93.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descı Building Interiors

---- Receptor #1 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	63.5	63.5	63.5

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	110	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	51.3	51.3	51.3

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	645	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	55.5	51.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	55.5	51.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	61.6	61.6	61.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	620	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	55.8	51.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	55.8	51.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
25 ft Refer	Residentia	47.9	47.9	47.9

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	25	0

	Results													
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	83.7	79.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.7	79.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descı Paving

---- Receptor #1 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	63.5	63.5	63.5

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	110	0
Roller	No	20		80	110	0
Paver	No	50		77.2	110	0
Flat Bed Truck	No	40		74.3	110	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	73.2	66.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	70.4	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	67.4	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	73.2	72.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	51.3	51.3	51.3

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	645	0
Roller	No	20		80	645	0
Paver	No	50		77.2	645	0
Flat Bed Truck	No	40		74.3	546	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	56.9	52.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	57.8	50.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	55	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	53.5	49.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	57.8	57.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
Residentia	Residentia	61.6	61.6	61.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	620	0
Roller	No	20		80	620	0
Paver	No	50		77.2	620	0
Flat Bed Truck	No	40		74.3	620	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq

Front End Loader	57.2	53.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	58.1	51.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	55.4	52.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	52.4	48.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	58.1	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Descriptio	Land Use	Daytime	Evening	Night
25 ft Refer	Residentia	47.9	47.9	47.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	25	0
Roller	No	20		80	25	0
Paver	No	50		77.2	25	0
Flat Bed Truck	No	40		74.3	25	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	85.1	81.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	86	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	83.2	80.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	80.3	76.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	86	85.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Monitoring Location: Site 1
Monitoring Date: 01/26/2021

Monitoring Period

Time	LAeq	LASmax	LASmin
10:49:06	63.4	72.2	43.3
10:50:06	69.5	81.6	49.6
10:51:06	57.9	65.8	46.8
10:52:06	59.2	69.3	42.6
10:53:06	65.9	75.0	42.3
10:54:06	63.6	72.1	43.0
10:55:06	66.4	76.8	42.9
10:56:06	61.3	69.8	51.0
10:57:06	60.0	67.2	50.3
10:58:06	64.6	75.5	52.0
10:59:06	62.0	69.8	53.5
11:00:06	63.4	71.6	50.7
11:01:06	60.3	70.0	49.1
11:02:06	62.2	68.9	48.5
11:03:06	58.3	67.9	48.7
11:04:06	53.2	55.4	53.8

15-minute LAeq **63.5**

Monitoring Location: Site 2
Monitoring Date: 01/26/2021

Monitoring Period

Time	LAeq	LASmax	LASmin
11:07:09	49.3	55.9	42.4
11:08:09	45.1	49.0	42.8
11:09:09	50.9	57.3	41.1
11:10:09	44.7	50.8	39.7
11:11:09	50.3	56.6	43.0
11:12:09	50.1	57.8	42.2
11:13:09	45.6	52.0	40.0
11:14:09	58.2	69.8	40.1
11:15:09	47.6	55.0	41.4
11:16:09	46.4	56.8	40.2
11:17:09	50.0	58.6	40.1
11:18:09	51.1	57.3	41.8
11:19:09	57.5	66.2	45.9
11:20:09	46.4	55.6	40.1
11:21:09	41.5	50.8	38.1
11:22:09	44.2	44.6	42.5

15-minute LAeq **51.3**

Monitoring Location: Site 3
Monitoring Date: 01/26/2021

Monitoring Period

Time	LAeq	LASmax	LASmin
11:25:46	61.6	72.6	47.6
11:26:46	55.1	64.6	42.3
11:27:46	64.6	75.6	42.4
11:28:46	54.6	63.0	44.7
11:29:46	61.7	67.2	45.1
11:30:46	57.1	66.9	40.5
11:31:46	59.9	66.9	40.4
11:32:46	59.4	69.4	42.0
11:33:46	65.4	75.7	47.5
11:34:46	60.6	69.2	44.1
11:35:46	56.3	63.5	44.9
11:36:46	58.3	66.6	43.2
11:37:46	63.4	73.1	45.6
11:38:46	66.6	76.3	41.3
11:39:46	62.8	71.3	52.9
11:40:46	50.9	52.9	51.4

15-minute LAeq **61.6**

Monitoring Location: Site 4
Monitoring Date: 01/26/2021

Monitoring Period

Time	LAeq	LASmax	LASmin
11:45:39	50.2	66.9	40.8
11:46:39	42.9	45.5	41.2
11:47:39	43.4	45.6	42.1
11:48:39	54.5	60.8	42.8
11:49:39	44.9	48.9	42.8
11:50:39	43.7	44.7	42.9
11:51:39	43.8	46.0	42.9
11:52:39	45.0	49.4	41.4
11:53:39	42.6	44.3	41.3
11:54:39	44.0	50.5	41.6
11:55:39	49.2	55.0	42.7
11:56:39	51.3	54.1	49.3
11:57:39	46.7	50.3	43.9
11:58:39	44.3	47.6	42.2
11:59:39	44.3	47.1	42.5
12:00:39	49.8	50.0	42.6

15-minute LAeq **47.9**

Monitoring Location: Site 5
Monitoring Date: 01/26/2021

Monitoring Period

Time	LAeq	LASmax	LASmin
12:07:08	45.3	47.6	43.8
12:08:08	50.4	60.4	42.4
12:09:08	50.9	58.5	42.8
12:10:08	46.5	52.8	39.9
12:11:08	46.0	50.4	41.3
12:12:08	46.6	50.1	44.4
12:13:08	45.8	51.4	42.0
12:14:08	46.2	53.2	40.4
12:15:08	45.0	50.1	39.3
12:16:08	41.5	45.2	38.1
12:17:08	50.3	56.5	44.4
12:18:08	48.2	53.9	42.2
12:19:08	51.3	56.2	43.0
12:20:08	45.8	53.3	39.4
12:21:08	42.3	45.6	39.8
12:22:08	45.7	46.8	42.7

15-minute LAeq **47.6**

Meridian Consultants LLC

JWMS Modernization Project
Construction Vibration Model
(110 feet)

Rev: 11-12-2012

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance[a]	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	110	0.010	0.002	68
Jackhammer		1	0.035	110	0.004	0.001	60
Large bulldozer		1	0.089	110	0.010	0.002	68
Loaded trucks		1	0.076	110	0.008	0.002	66
Pile Drive (impact)		1	0.644	110	0.070	0.017	85
Vibratory Roller		1	0.210	110	0.023	0.006	75
Small bulldozer		1	0.003	110	0.000	0.000	38

*** Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**

-Fragile Buildings- 0.20 in/sec

Meridian Consultants LLC

JWMS Modernization Project
Construction Vibration Model
(645 feet)

Rev: 11/12/2012

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance[a]	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	645	0.001	0.000	45
Jackhammer		1	0.035	645	0.000	0.000	36
Large bulldozer		1	0.089	645	0.001	0.000	45
Loaded trucks		1	0.076	645	0.001	0.000	43
Pile Drive (impact)		1	0.644	645	0.005	0.001	62
Vibratory Roller		1	0.210	645	0.002	0.000	52
Small bulldozer		1	0.003	645	0.000	0.000	15

*** Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**

-Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance[a]	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	620	0.001	0.000	45
Jackhammer		1	0.035	620	0.000	0.000	37
Large bulldozer		1	0.089	620	0.001	0.000	45
Loaded trucks		1	0.076	620	0.001	0.000	44
Pile Drive (impact)		1	0.644	620	0.005	0.001	62
Vibratory Roller		1	0.210	620	0.002	0.000	53
Small bulldozer		1	0.003	620	0.000	0.000	16

*** Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**

-Fragile Buildings- 0.20 in/sec

APPENDIX H

Tribal Cultural Resources

H.1

AB 52 Tribal Consultation Letters

PSUSD
PALM SPRINGS
UNIFIED
SCHOOL DISTRICT

150 District Center Drive | Palm Springs, CA 92264
Phone 760-883-2710, ext. 4806142 | www.PSUSD.us

Julie Arthur, *Executive Director*

Facilities
Planning &
Development

August 3, 2021

Ms. Amanda Vance, Chairperson
Augustine Band of Cahuilla Mission Indians
P.O. Box 846
Coachella, CA, 92236

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Ms. Amanda Vance,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Augustine Band of Cahuilla Mission Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its academic mission. As a result of the draft report, James Workman Middle School was identified as one of

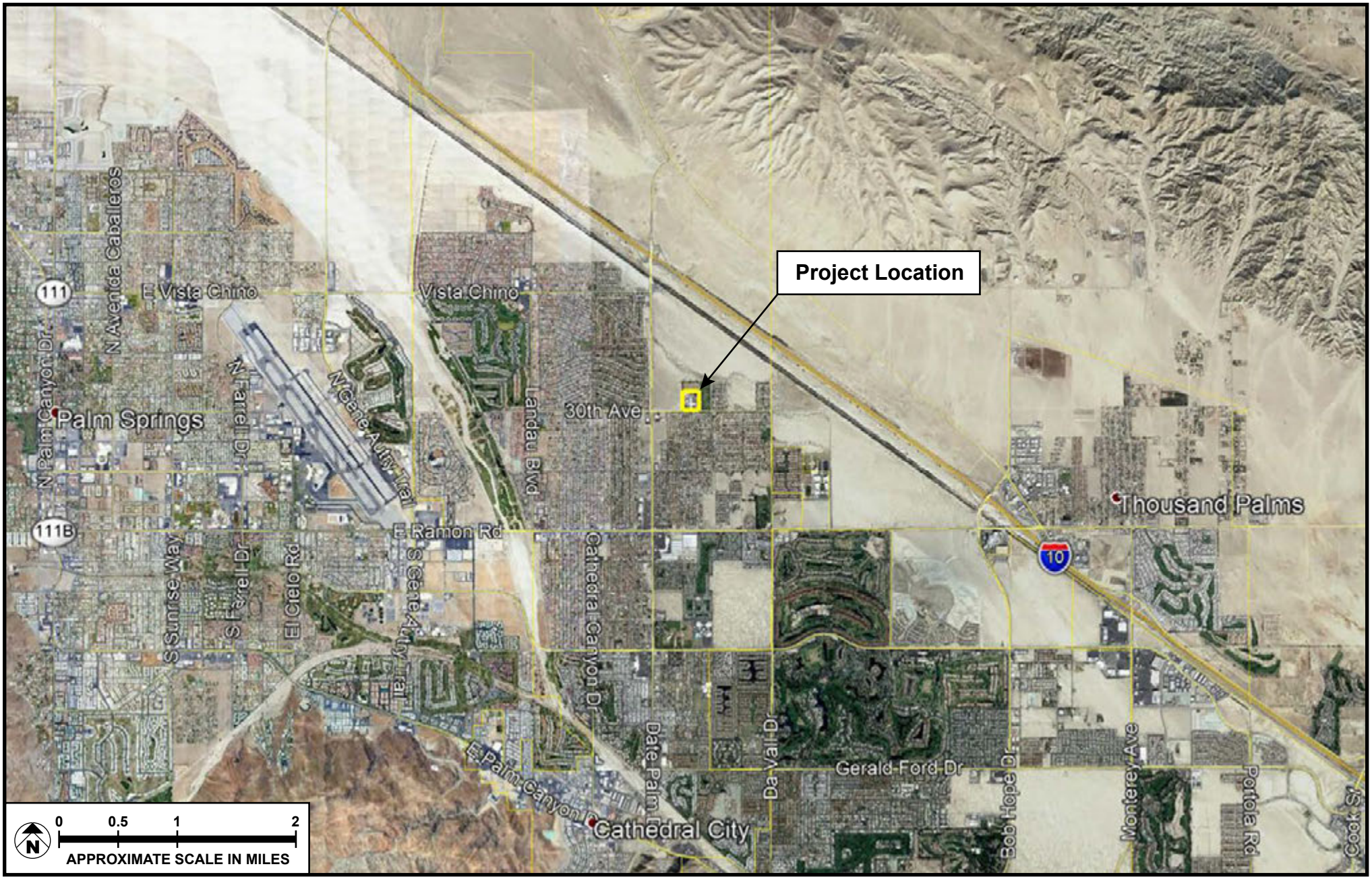
the schools requiring comprehensive modernization upgrades. All permanent structures conditions on campus are rated as 3-fair, requiring modernizations, upgrades, and/or replacements as major systems start to fail. The campus also retains 20 portable classrooms and 2 portable restrooms, which would be replaced with a permanent classroom building with associated circulation, restrooms, utility rooms, and student collaboration spaces. The Project would involve demolition, new construction, building improvements and renovation, and hardscape improvements. Demolition of the portable facilities would take place at the school site to remove all portable structures. New construction of the permanent classroom building would take place towards the northeastern edge of the school campus. Modernization of permanent structures would take place at the existing classroom buildings and the administrative building near the center of campus, in addition to the locker rooms, kitchen, and multipurpose rooms towards the western edge of the campus. Hardscape improvement of the outdoor spaces will take place near the main entrance to the school campus.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

049-019-20

SOURCE: Google Earth—2021; Meridian Consultants—2021

FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

PSUSD
PALM SPRINGS
UNIFIED
SCHOOL DISTRICT

150 District Center Drive | Palm Springs, CA 92264
Phone 760-883-2710, ext. 4806142 | www.PSUSD.us

Julie Arthur, *Executive Director*

Facilities
Planning &
Development

August 3, 2021

Ms. Patricia Garcia-Plotkin, Director
Agua Caliente Band of Cahuilla Indians
5401 Dinah Shore Drive
Palm Springs, CA, 92264

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Ms. Patricia Garcia-Plotkin,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Agua Caliente Band of Cahuilla Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its

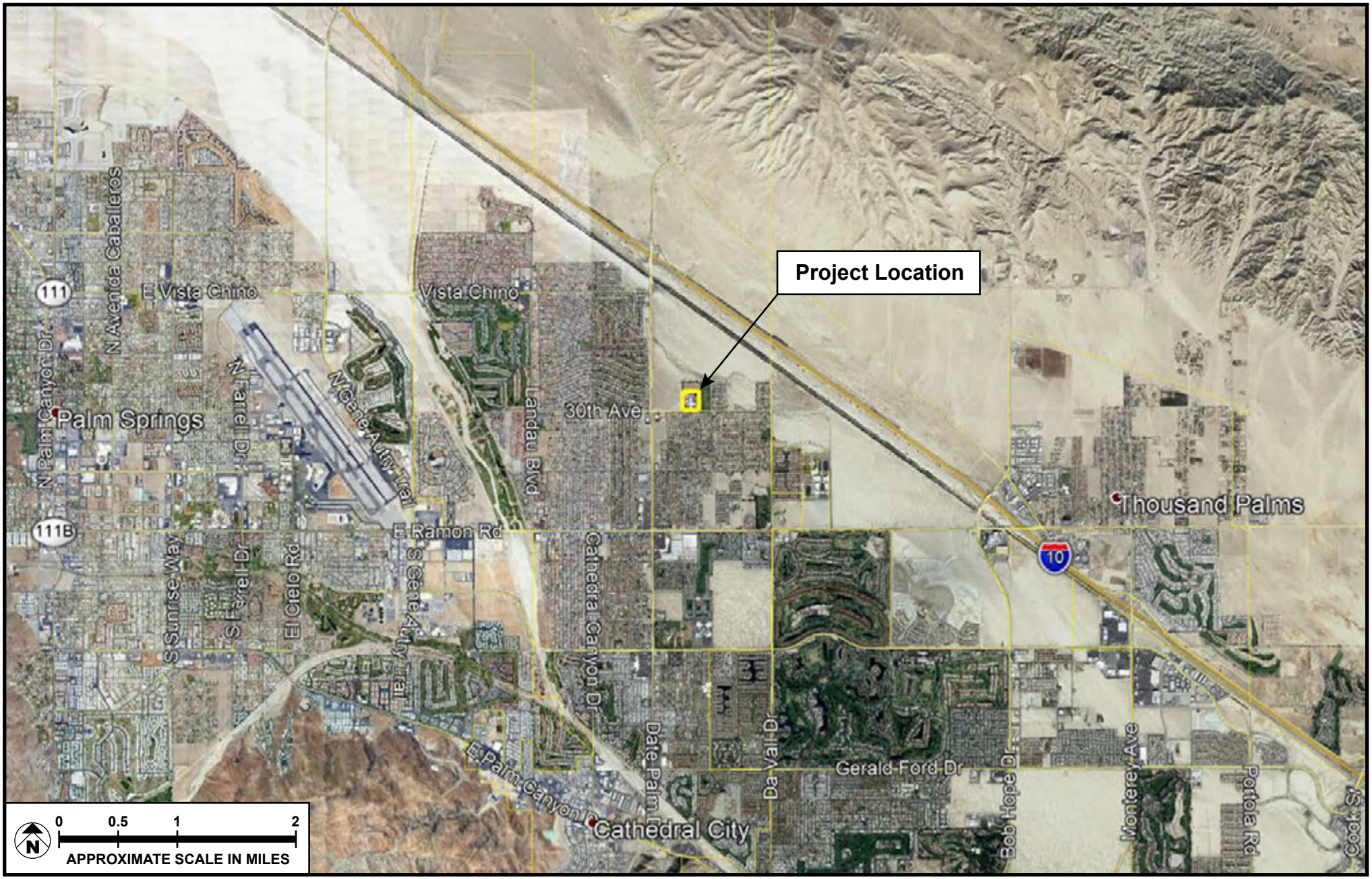
academic mission. As a result of the draft report, James Workman Middle School was identified as one of the schools requiring comprehensive modernization upgrades. All permanent structures conditions on campus are rated as 3-fair, requiring modernizations, upgrades, and/or replacements as major systems start to fail. The campus also retains 20 portable classrooms and 2 portable restrooms, which would be replaced with a permanent classroom building with associated circulation, restrooms, utility rooms, and student collaboration spaces. The Project would involve demolition, new construction, building improvements and renovation, and hardscape improvements. Demolition of the portable facilities would take place at the school site to remove all portable structures. New construction of the permanent classroom building would take place towards the northeastern edge of the school campus. Modernization of permanent structures would take place at the existing classroom buildings and the administrative building near the center of campus, in addition to the locker rooms, kitchen, and multipurpose rooms towards the western edge of the campus. Hardscape improvement of the outdoor spaces will take place near the main entrance to the school campus.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

049-019-20

SOURCE: Google Earth—2021; Meridian Consultants—2021

FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

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Julie Arthur, *Executive Director*

Facilities
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August 3, 2021

Mr. Jeff Grubbe, Chairperson
Agua Caliente Band of Cahuilla Indians
5401 Dinah Shore Drive
Palm Springs, CA, 92264

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Jeff Grubbe,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Agua Caliente Band of Cahuilla Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its

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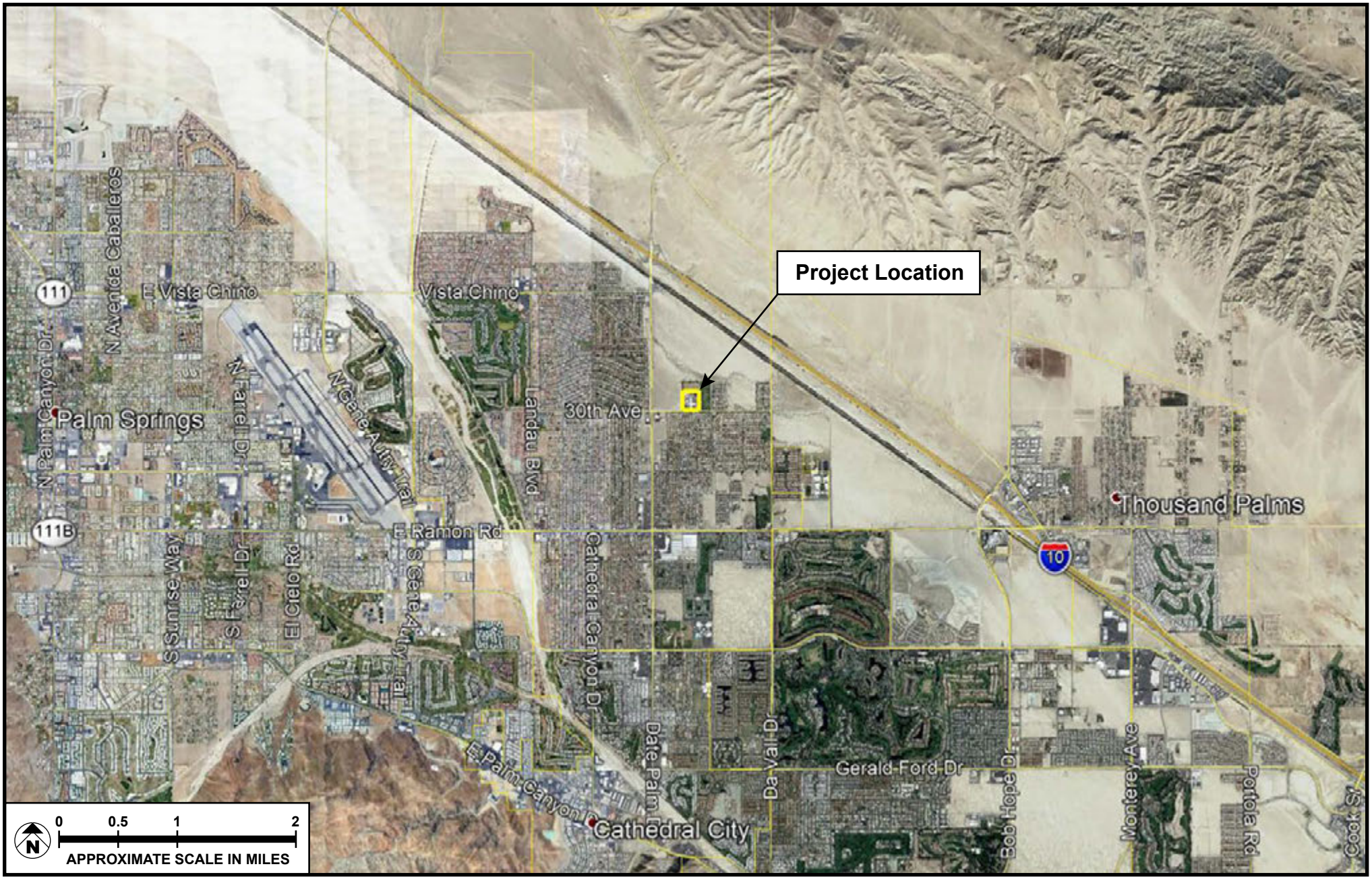
Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



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Regional Location Map

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FIGURE **2**

Meridian Consultants

Project Location Map

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Julie Arthur, *Executive Director*

August 3, 2021

Mr. Doug Welmas, Chairperson
Cabazon Band of Mission Indians
84-245 Indio Springs Parkway
Indio, CA, 92203

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Doug Welmas,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Cabazon Band of Mission Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its

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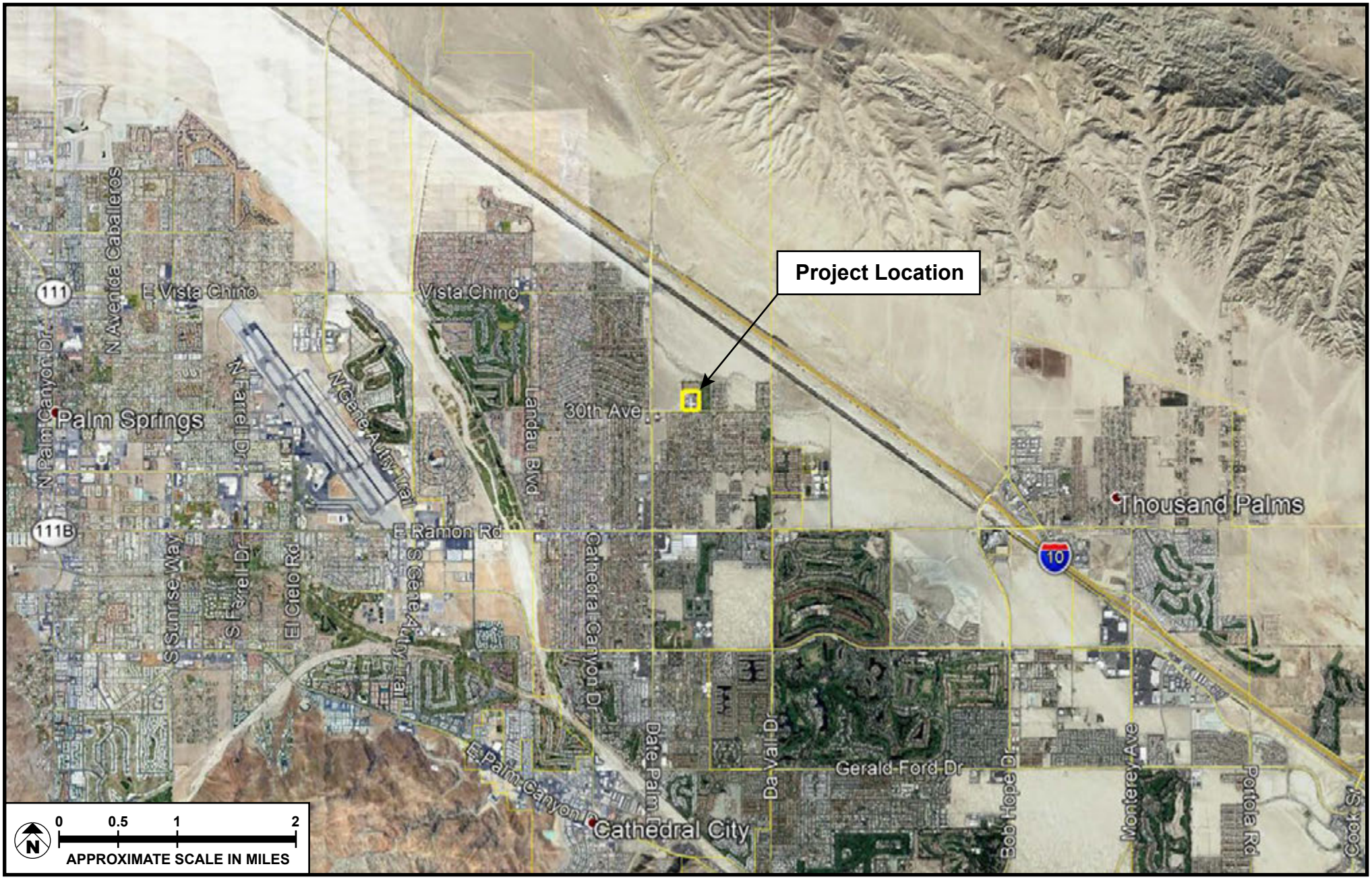
Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

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FIGURE **2**

Meridian Consultants

Project Location Map

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Julie Arthur, *Executive Director*

August 3, 2021

Mr. Daniel Salgado, Chairperson
Cahuilla Band of Indians
52701 U.S. Highway 371
Anza, CA, 92539

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Daniel Salgado,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Cahuilla Band of Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its

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Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development

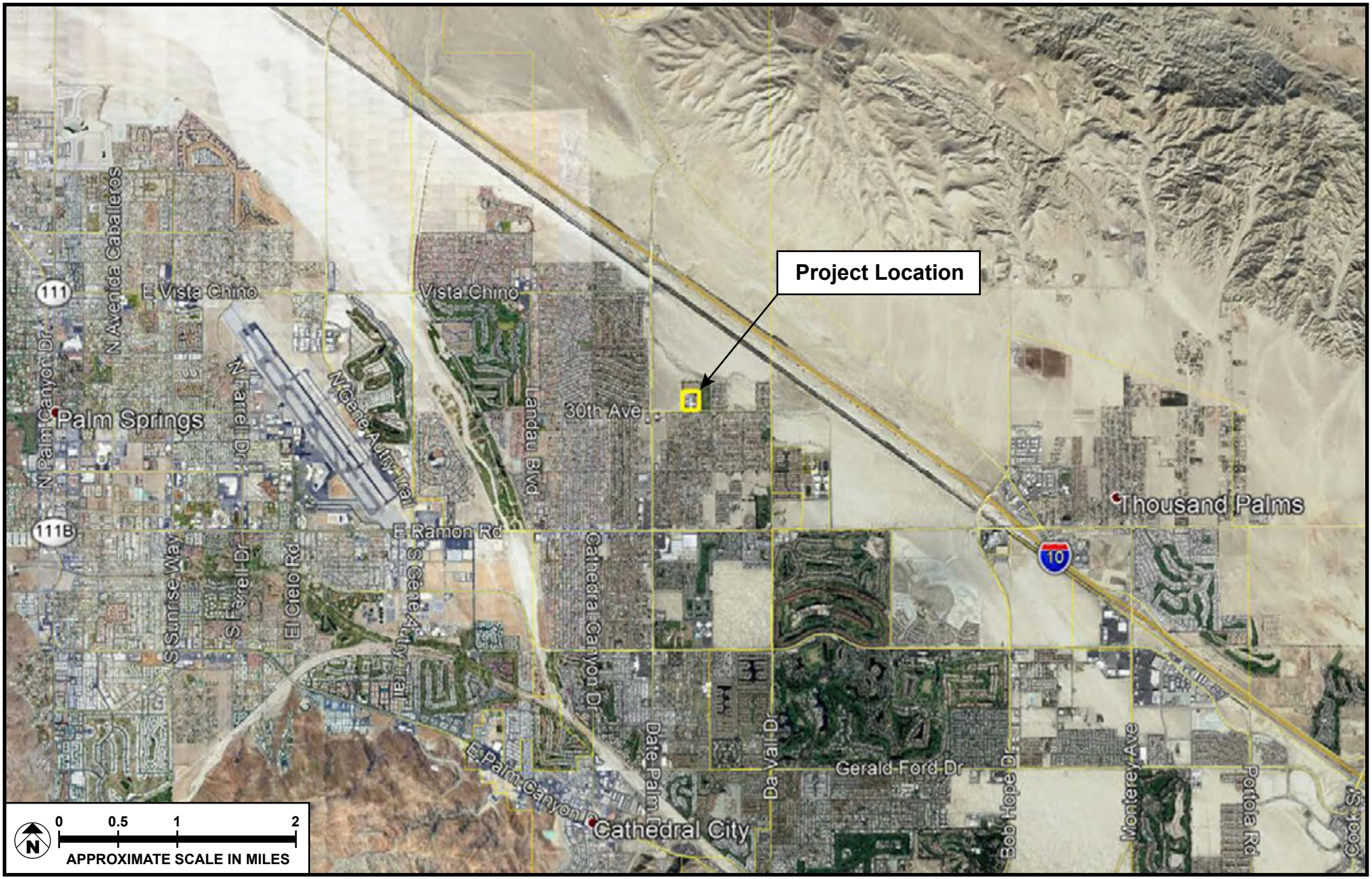

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FIGURE **1**

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Regional Location Map

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FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

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Julie Arthur, *Executive Director*

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August 3, 2021

Mr. Shane Chapparosa, Chairperson
Los Coyotes Band of Cahuilla and Cupeño Indians
P.O. Box 189
Warner Springs, CA, 92086-0189

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Shane Chapparosa,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Los Coyotes Band of Cahuilla and Cupeño Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

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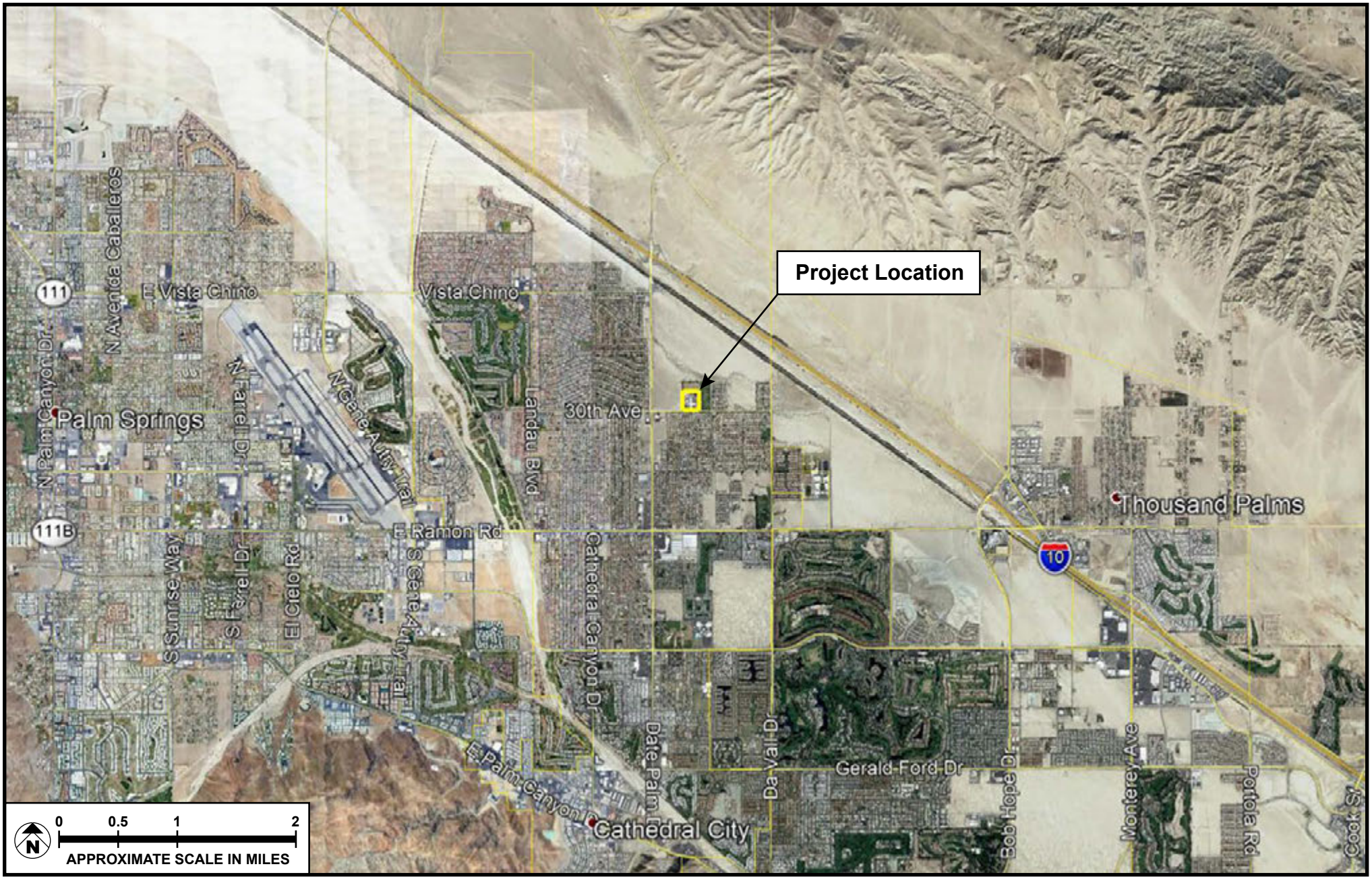
Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

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FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

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Julie Arthur, *Executive Director*

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August 3, 2021

Mr. Robert Martin, Chairperson
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, CA, 92220

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Robert Martin,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Morongo Band of Mission Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

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If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development

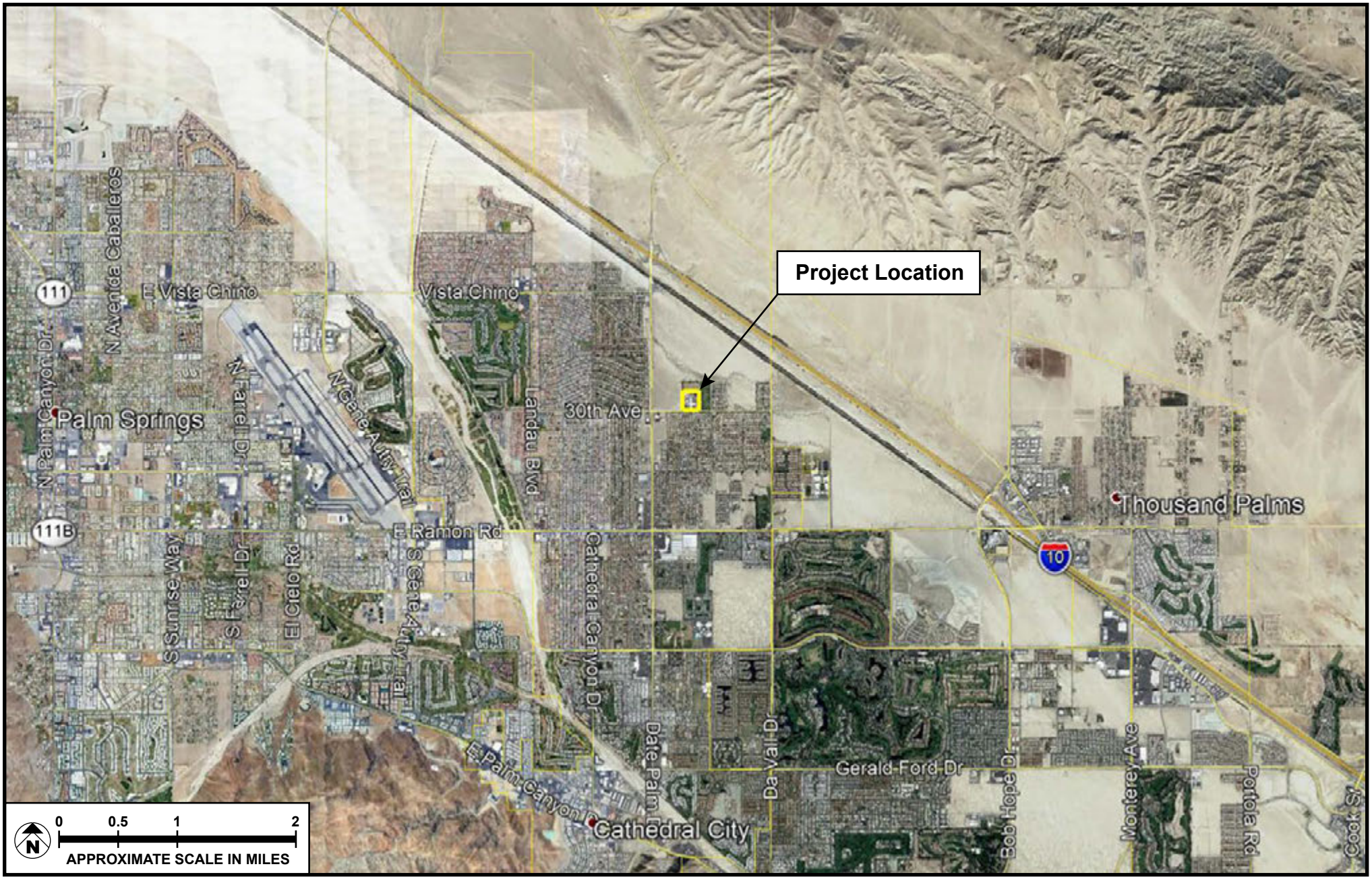

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FIGURE **2**

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Project Location Map

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Julie Arthur, *Executive Director*

August 3, 2021

Ms. Denisa Torres, Cultural Resources Manager
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, CA, 92220

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Ms. Denisa Torres,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Morongo Band of Mission Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

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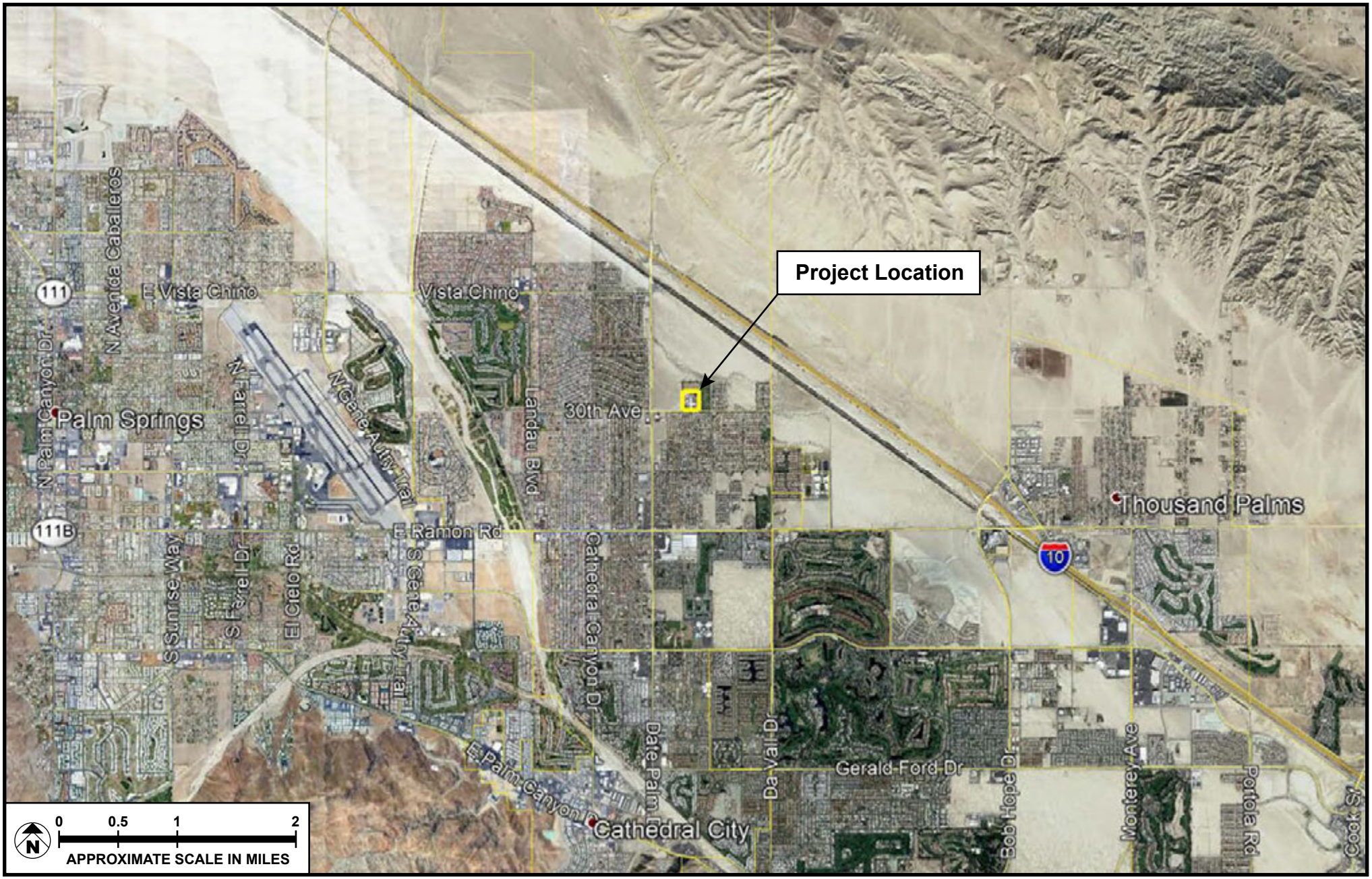
If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



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Project Location Map

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Julie Arthur, *Executive Director*

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August 3, 2021

Ms. Jill McCormick, Historic Preservation Officer
Quechan Tribe of the Fort Yuma Reservation
P.O. Box 1899
Yuma, AZ, 85366

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Ms. Jill McCormick,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Quechan Tribe of the Fort Yuma Reservation Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

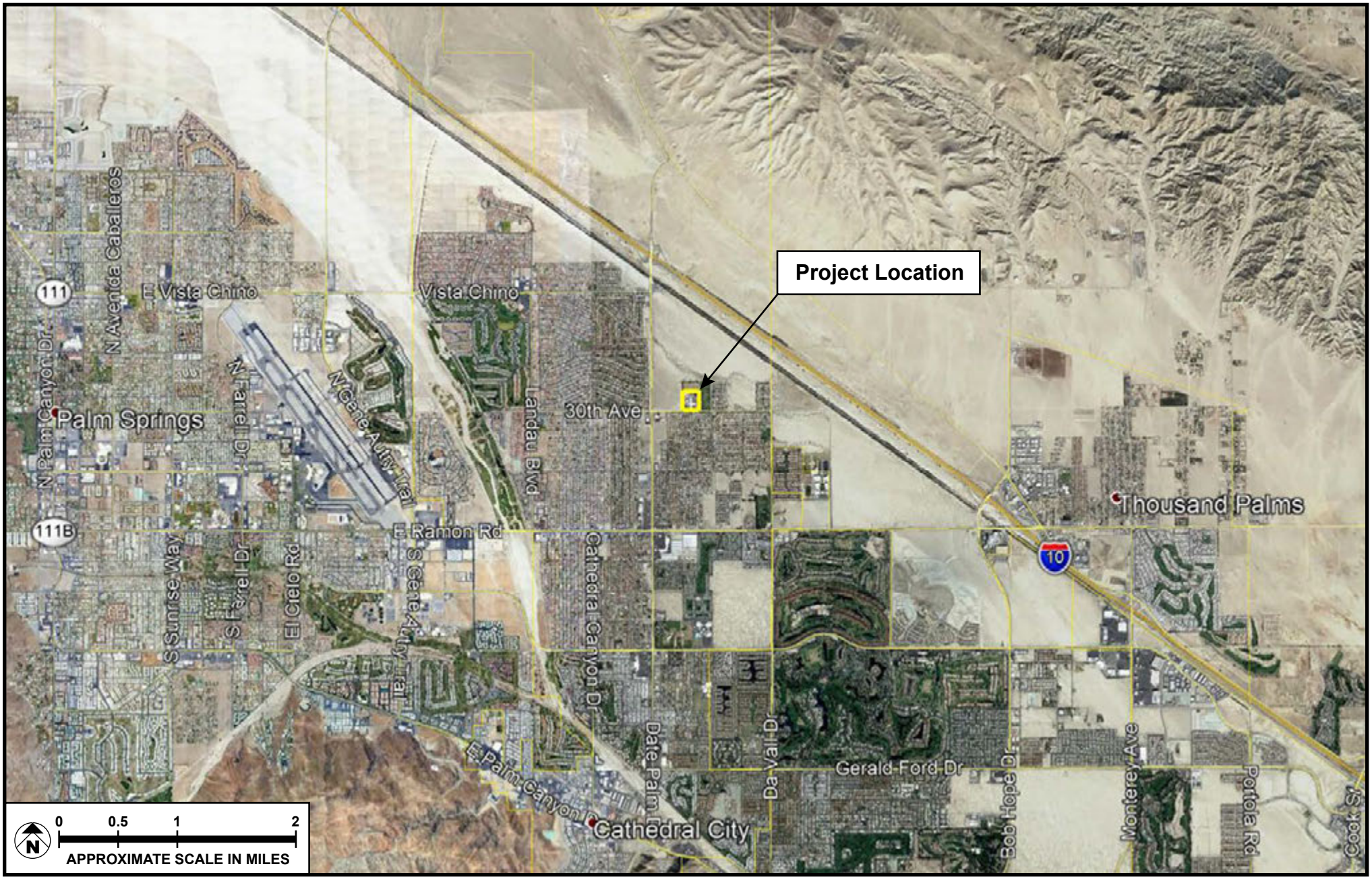
Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its academic mission. As a result of the draft report, James Workman Middle School was identified as one of the schools requiring comprehensive modernization upgrades. All permanent structures conditions on campus are rated as 3-fair, requiring modernizations, upgrades, and/or replacements as major systems start to fail. The campus also retains 20 portable classrooms and 2 portable restrooms, which would be replaced with a permanent classroom building with associated circulation, restrooms, utility rooms, and student collaboration spaces. The Project would involve demolition, new construction, building improvements and renovation, and hardscape improvements. Demolition of the portable facilities would take place at the school site to remove all portable structures. New construction of the permanent classroom building would take place towards the northeastern edge of the school campus. Modernization of permanent structures would take place at the existing classroom buildings and the administrative building near the center of campus, in addition to the locker rooms, kitchen, and multipurpose rooms towards the western edge of the campus. Hardscape improvement of the outdoor spaces will take place near the main entrance to the school campus.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

049-019-20

SOURCE: Google Earth—2021; Meridian Consultants—2021

FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

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Julie Arthur, *Executive Director*

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August 3, 2021

Mr. Manfred Scott, Acting Chairman Kw'ts'an Cultural Committee
Quechan Tribe of the Fort Yuma Reservation
P.O. Box 1899
Yuma, AZ, 85366

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Manfred Scott,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Quechan Tribe of the Fort Yuma Reservation Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its academic mission. As a result of the draft report, James Workman Middle School was identified as one of the schools requiring comprehensive modernization upgrades. All permanent structures conditions on campus are rated as 3-fair, requiring modernizations, upgrades, and/or replacements as major systems start to fail. The campus also retains 20 portable classrooms and 2 portable restrooms, which would be replaced with a permanent classroom building with associated circulation, restrooms, utility rooms, and student collaboration spaces. The Project would involve demolition, new construction, building improvements and renovation, and hardscape improvements. Demolition of the portable facilities would take place at the school site to remove all portable structures. New construction of the permanent classroom building would take place towards the northeastern edge of the school campus. Modernization of permanent structures would take place at the existing classroom buildings and the administrative building near the center of campus, in addition to the locker rooms, kitchen, and multipurpose rooms towards the western edge of the campus. Hardscape improvement of the outdoor spaces will take place near the main entrance to the school campus.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development

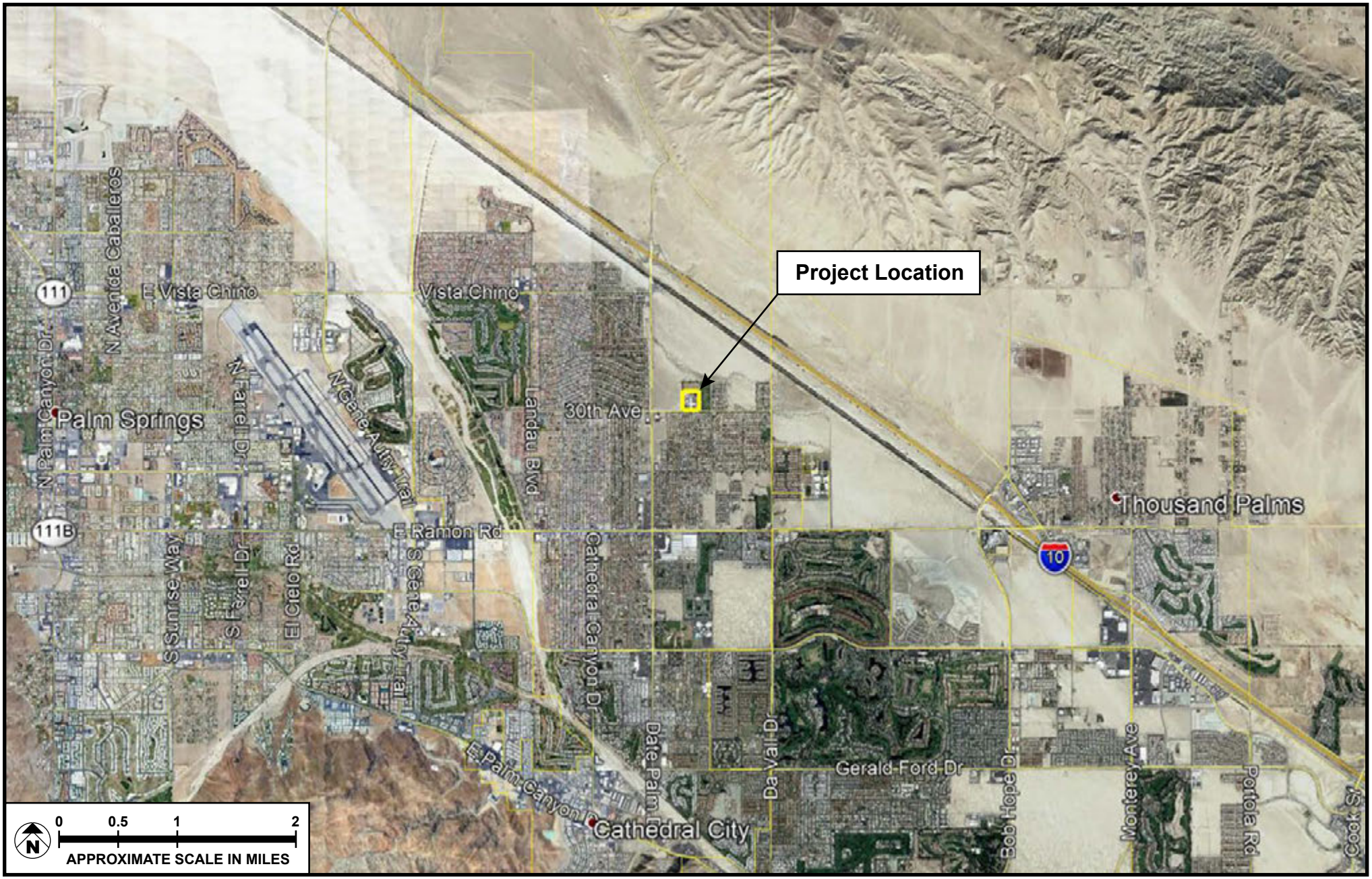

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FIGURE **1**

Meridian Consultants

Regional Location Map

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FIGURE **2**

Meridian Consultants

Project Location Map

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Julie Arthur, *Executive Director*

August 3, 2021

Mr. John Gomez, Environmental Coordinator
Ramona Band of Cahuilla
P. O. Box 391670
Anza, CA, 92539

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. John Gomez,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Ramona Band of Cahuilla Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its

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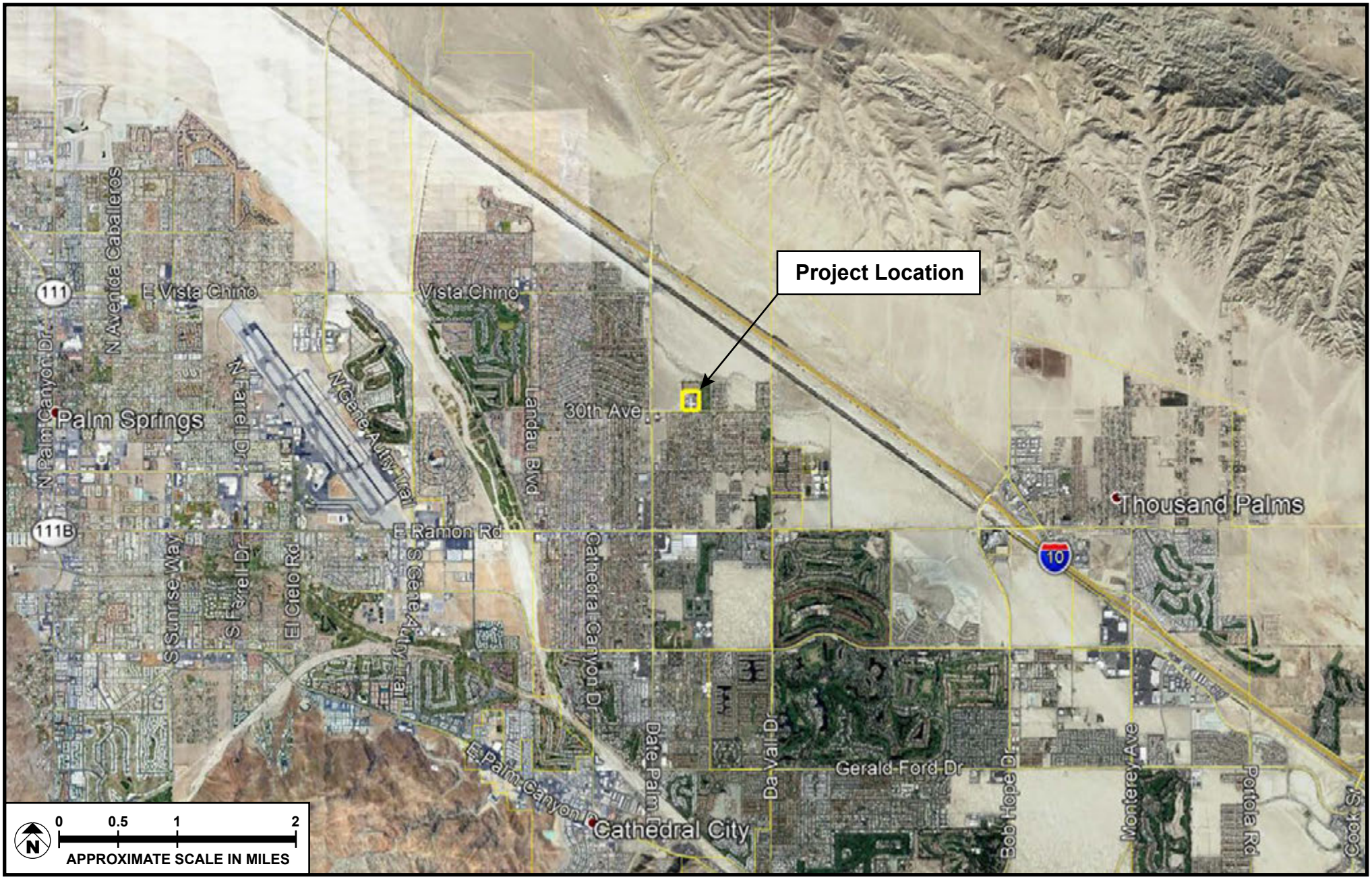
Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

049-019-20

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FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

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Julie Arthur, *Executive Director*

August 3, 2021

Mr. Joseph Hamilton, Chairperson
Ramona Band of Cahuilla
P.O. Box 391670
Anza, CA, 92539

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Joseph Hamilton,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Ramona Band of Cahuilla Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

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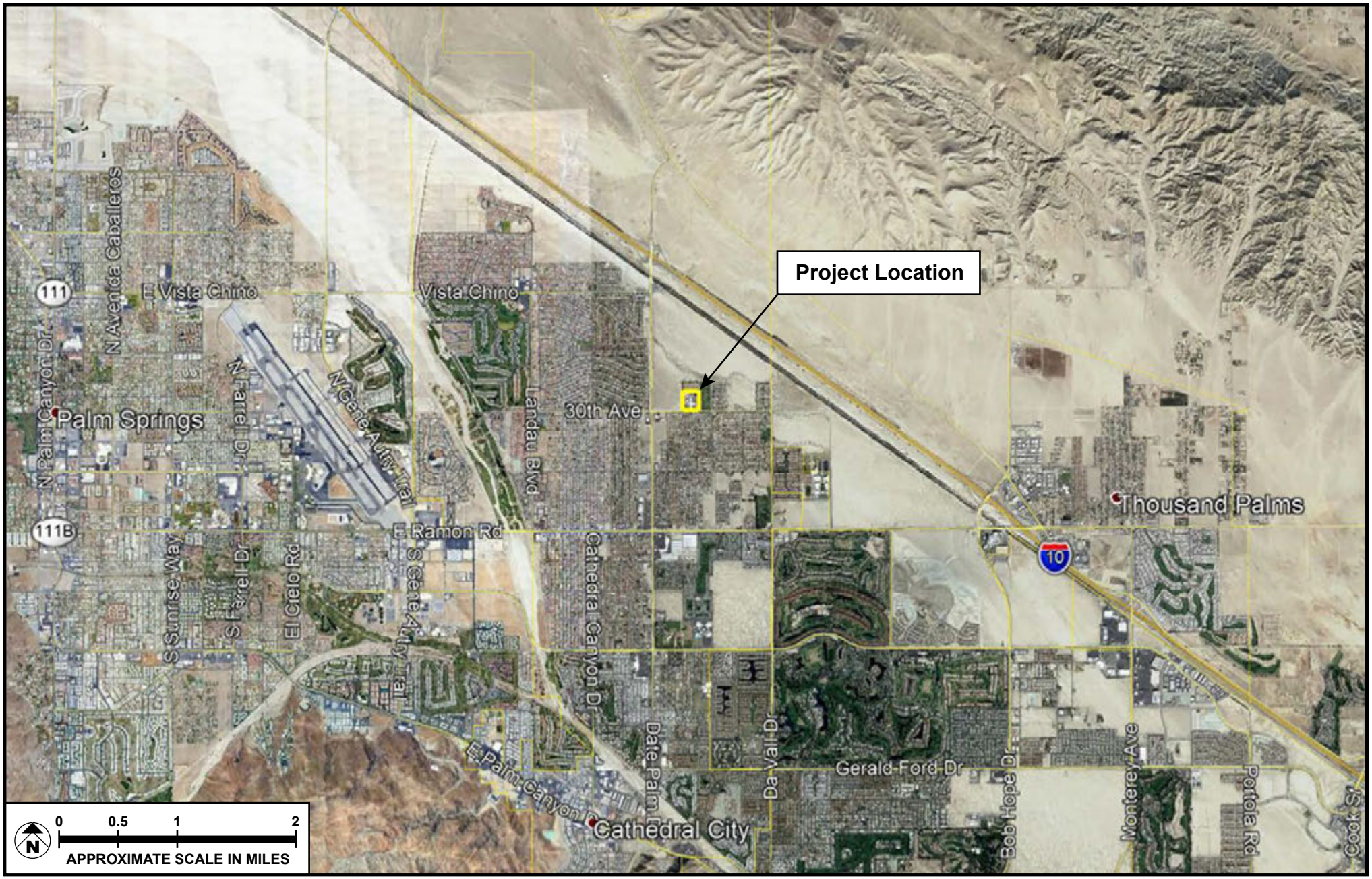
Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

049-019-20

SOURCE: Google Earth—2021; Meridian Consultants—2021

FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

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Julie Arthur, *Executive Director*

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August 3, 2021

Ms. Lovina Redner, Tribal Chair
Santa Rosa Band of Cahuilla Indians
P.O. Box 391820
Anza, CA, 92539

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Ms. Lovina Redner,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Santa Rosa Band of Cahuilla Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

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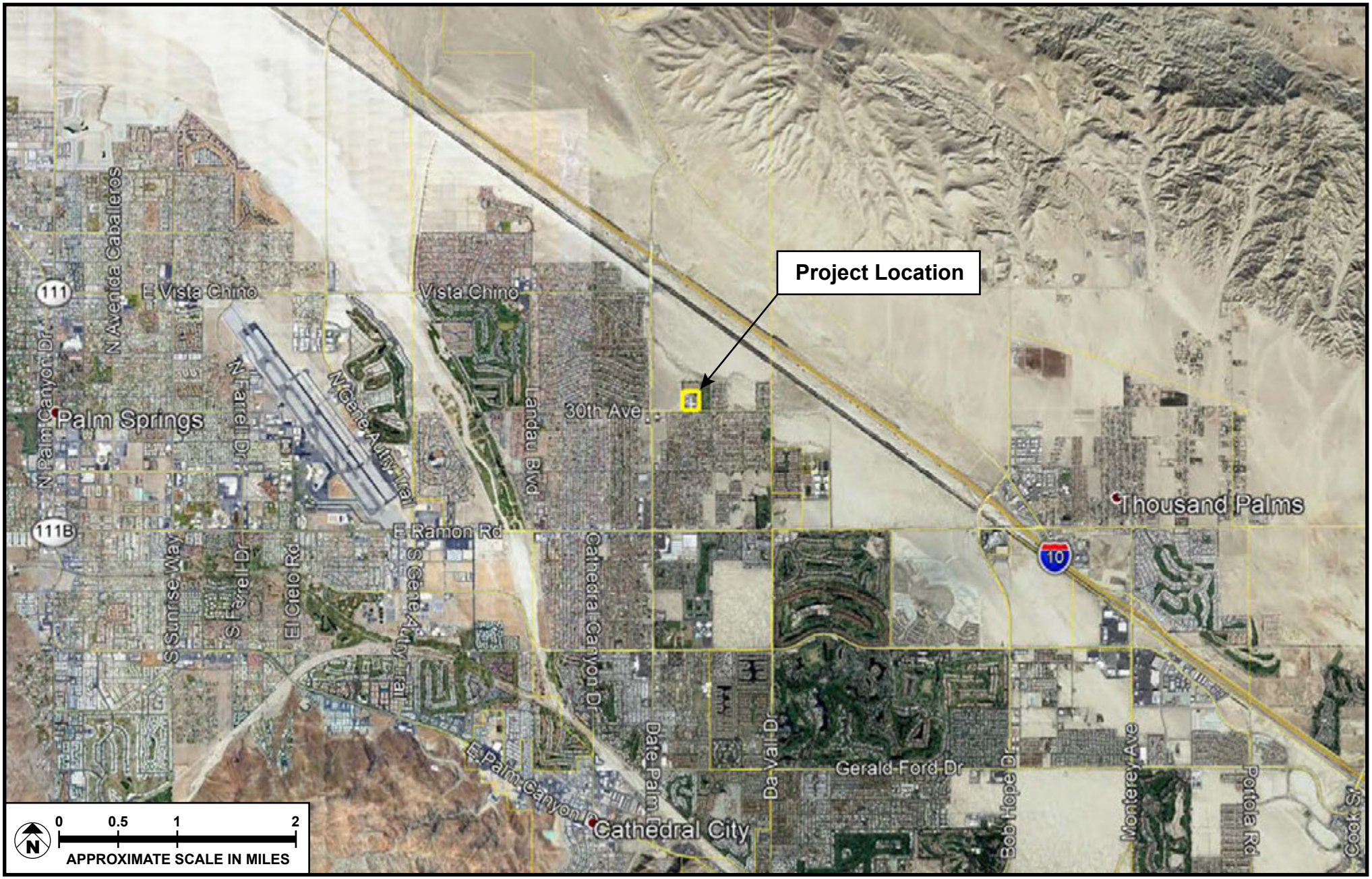
Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

049-019-20

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FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

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Julie Arthur, *Executive Director*

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August 3, 2021

Mr. Joseph Ontiveros, Cultural Resource Department
Soboba Band of Luiseno Indians
P.O. BOX 487
San Jacinto, CA, 92581

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Joseph Ontiveros,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Soboba Band of Luiseno Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

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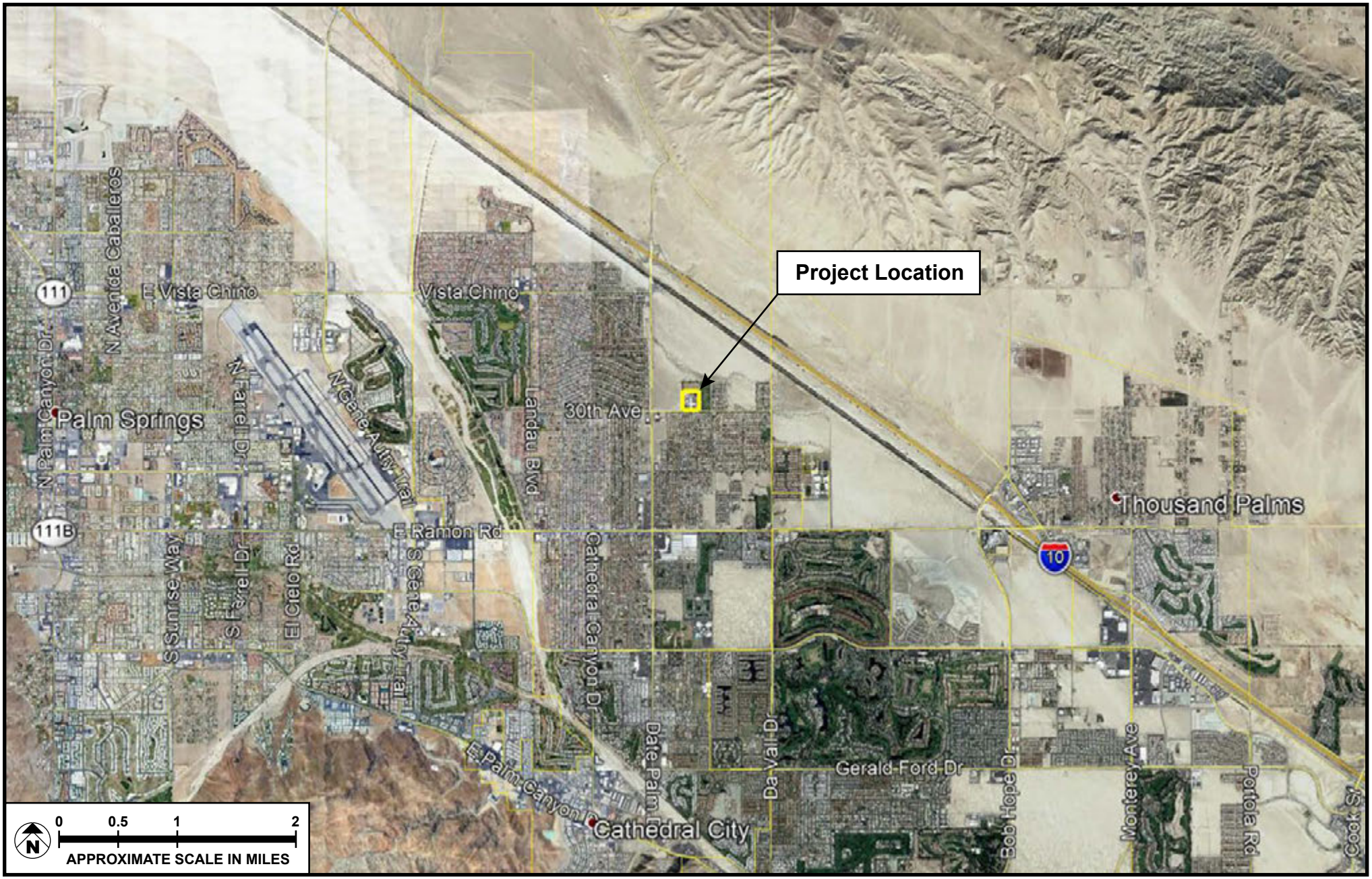
If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



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Regional Location Map

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Project Location Map

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Julie Arthur, *Executive Director*

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August 3, 2021

Mr. Scott Cozart, Chairperson
Soboba Band of Luiseno Indians
P. O. Box 487
San Jacinto, CA, 9258

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Scott Cozart,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Soboba Band of Luiseno Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

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If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development

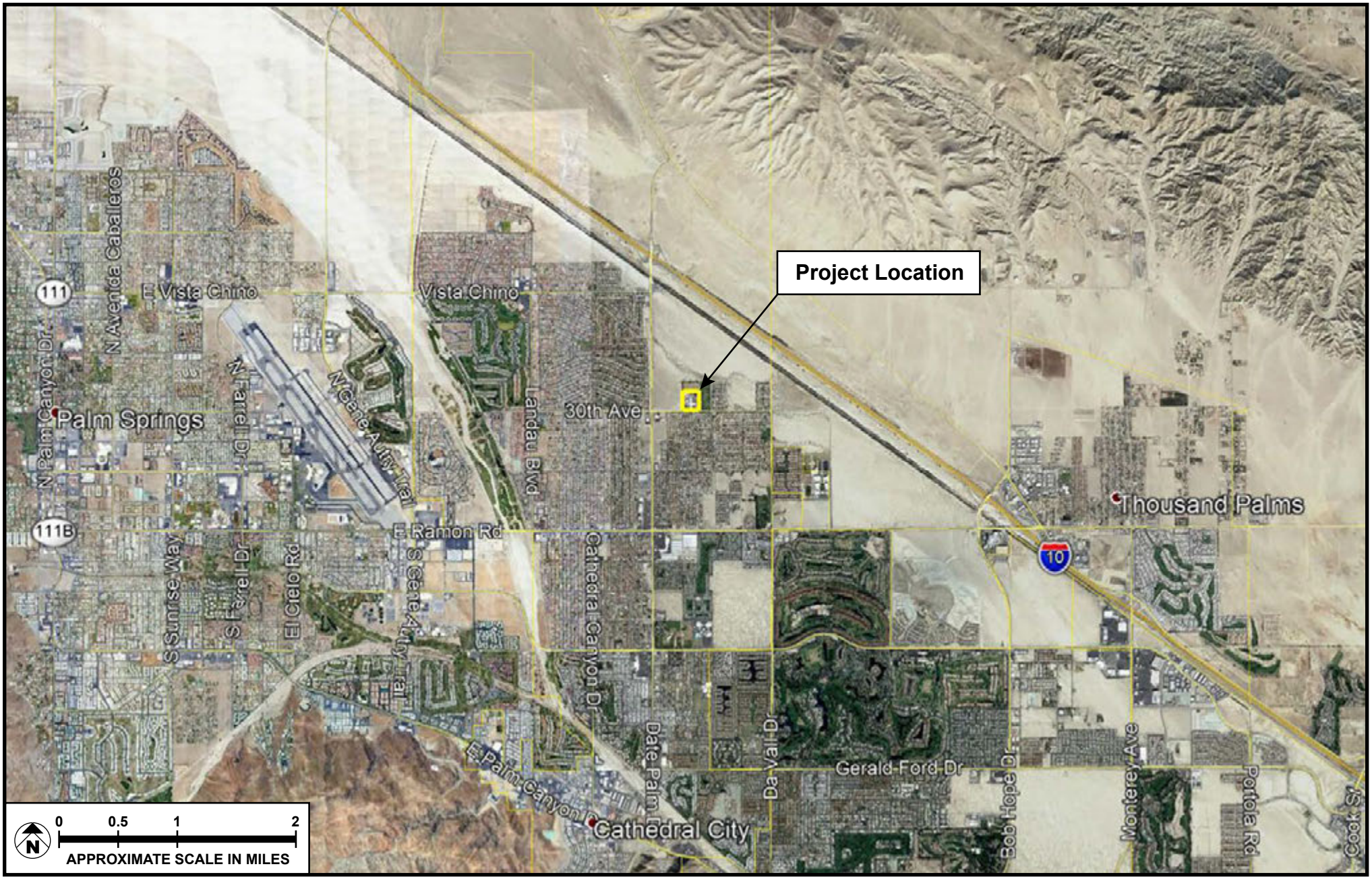

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FIGURE **2**

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Project Location Map

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Julie Arthur, *Executive Director*

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August 3, 2021

Mr. Michael Mirelez, Cultural Resource Coordinator
Torres-Martinez Desert Cahuilla Indians
P.O. Box 1160
Thermal, CA, 92274

SUBJECT: Formal Notification for the James Workman Middle School Modernization Project. Notification of Consultation Opportunity, pursuant to Public Resources Code §21080.3.1

PROJECT: James Workman Middle School Modernization

Dear Mr. Michael Mirelez,

The Palm Springs Unified School District (PSUSD) has proposed the James Workman Middle School Modernization Project (Project) and is providing written notice to the Torres-Martinez Desert Cahuilla Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 20-acre existing middle school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC §21080.3.1 (d).

Project Location: As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 69300 30th Avenue in the central portion of the City. The campus is bound by open fields in the north and west, Dennis Keat Soccer Park to the east, and San Eljay Avenue to the west. The southern portion of the campus is bound by 30th Avenue and single-family residential homes. 30th Avenue provides direct access to the campus from the south. The Project Site is situated towards the southern portion of the rectangular 20-acre lot. The Project Site is currently developed with an existing school campus.

Project Description: PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its

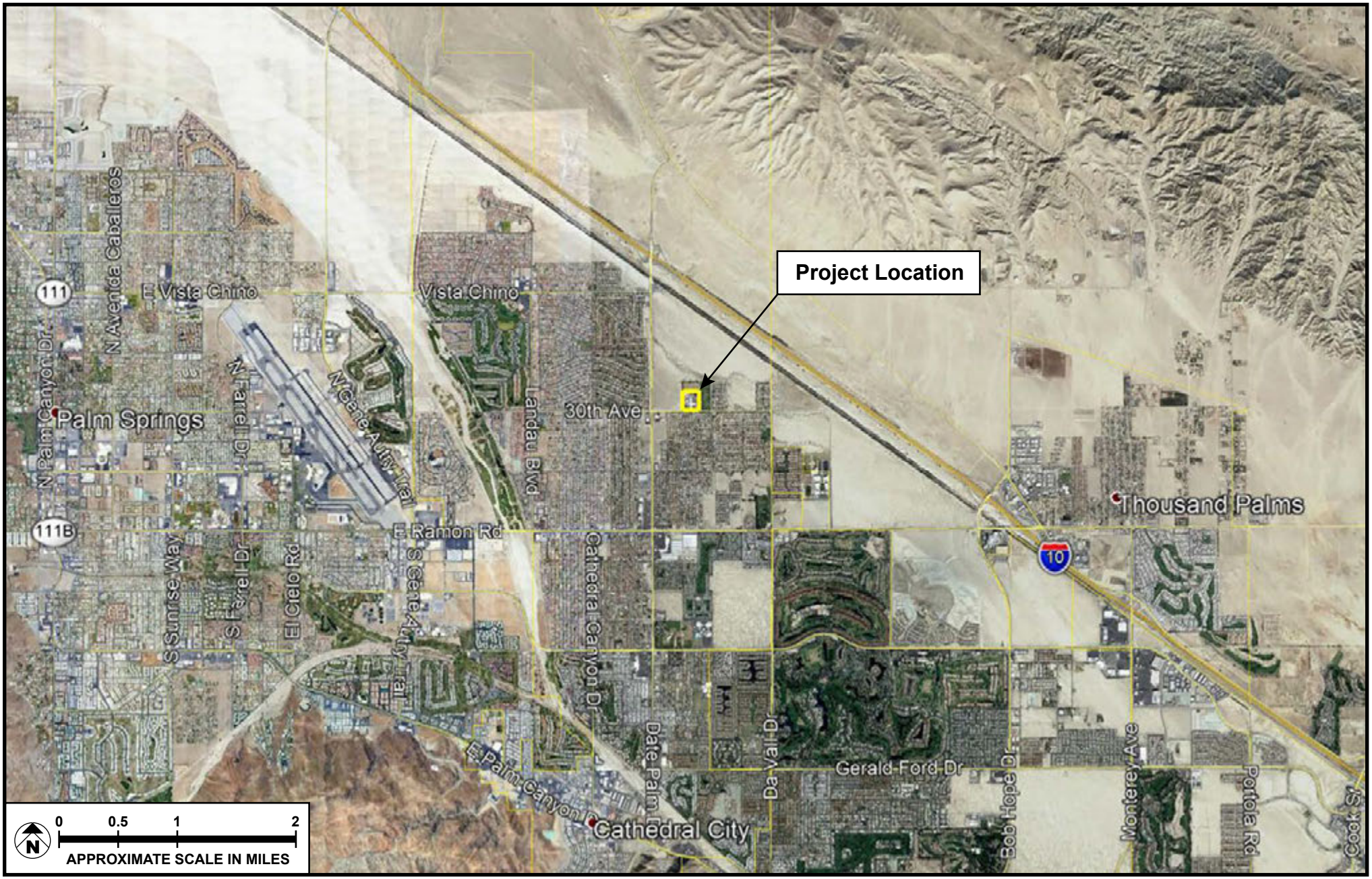
academic mission. As a result of the draft report, James Workman Middle School was identified as one of the schools requiring comprehensive modernization upgrades. All permanent structures conditions on campus are rated as 3-fair, requiring modernizations, upgrades, and/or replacements as major systems start to fail. The campus also retains 20 portable classrooms and 2 portable restrooms, which would be replaced with a permanent classroom building with associated circulation, restrooms, utility rooms, and student collaboration spaces. The Project would involve demolition, new construction, building improvements and renovation, and hardscape improvements. Demolition of the portable facilities would take place at the school site to remove all portable structures. New construction of the permanent classroom building would take place towards the northeastern edge of the school campus. Modernization of permanent structures would take place at the existing classroom buildings and the administrative building near the center of campus, in addition to the locker rooms, kitchen, and multipurpose rooms towards the western edge of the campus. Hardscape improvement of the outdoor spaces will take place near the main entrance to the school campus.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC §21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: jarthur@psusd.us

Regards,

Julie Arthur, Executive Director
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE **1**

Meridian Consultants

Regional Location Map

049-019-20

SOURCE: Google Earth—2021; Meridian Consultants—2021

FIGURE **2**

Meridian Consultants

Project Location Map

049-019-20

H.2

Tribal Letter Responses

From: Quechan Historic Preservation Officer <historicpreservation@quechantribe.com>
Sent: Thursday, August 12, 2021 9:36 AM
To: Arthur, Julie (jarthur@psusd.us) <jarthur@psusd.us>
Subject: James Workman Middle School Modernization Project

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

This email is to inform you that we have no comments on this project. We defer to the more local Tribes and support their decisions on the projects.

Thank you,
H. Jill McCormick, M.A.

Quechan Indian Tribe
Historic Preservation Officer
P.O. Box 1899
Yuma, AZ 85366-1899
Office: 760-572-2423
Cell: 928-261-0254
E-mail: historicpreservation@quechantribe.com

AGUA CALIENTE BAND OF CAHUILLA INDIANS

TRIBAL HISTORIC PRESERVATION

03-052-2021-001

September 14, 2021

[VIA EMAIL TO:jarthur@psusd.us]
Palm Springs Unified School District (PSUSD)
Ms. Julie Arthur
980 E Tahquitz Canyon Way, Suite 202
Rancho Mirage, CA 92262

Re: James Workman Middle School Modernization Project

Dear Ms. Julie Arthur,

The Agua Caliente Band of Cahuilla Indians (ACBCI) appreciates your efforts to include the Tribal Historic Preservation Office (THPO) in the James Workman Middle School Modernization project. A records check of the ACBCI cultural registry revealed that the project area is within the boundaries of the ACBCI Reservation. In consultation the ACBCI THPO requests the following:

> *At this time ACBCI has no comments, but please continue to provide our office with updates as the project progresses. Also, please inform our office if there are changes to the scope of this project.

Again, the Agua Caliente appreciates your interest in our cultural heritage. If you have questions or require additional information, please call me at (760)699-6956. You may also email me at ACBCI-THPO@aguacaliente.net.

Cordially,

Lacy Padilla
Archaeologist
Tribal Historic Preservation Office
AGUA CALIENTE BAND
OF CAHUILLA INDIANS