

DESERT WATER



(760) 323-4971

POST OFFICE BOX 1710
PALM SPRINGS, CALIFORNIA 92263

1200 SOUTH GENE AUTRY TRAIL
PALM SPRINGS, CALIFORNIA 92264

**DESERT WATER AGENCY
INITIAL STUDY AND
DRAFT MITIGATED NEGATIVE DECLARATION
FOR THE
SNOW CREEK VILLAGE SURFACE WATER FILTRATION PLANT**

MARCH 2019

Prepared by



KRIEGER & STEWART
Engineering Consultants
3602 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
(951) 684-6900

SIGNATURE _____

DATE _____

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3/11/19



101-48.10
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TABLE OF CONTENTS

TABLE OF CONTENTS

	<u>PAGE</u>
PART 1 - PROJECT INFORMATION	
A. INTRODUCTION	1
B. PROJECT DESCRIPTION	2
C. ENVIRONMENTAL SETTING	3
D. COMPLIANCE WITH CEQA	5
E. LEAD AGENCY	5
F. PUBLIC INFORMATION DOCUMENT	6
PART 2 – ENVIRONMENTAL EFFECTS AND CHECKLIST	
A. PROJECT INFORMATION	7
B. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED	9
C. DETERMINATION	10
D. EVALUATION OF ENVIRONMENTAL IMPACTS	11
E. ENVIRONMENTAL CHECKLIST	13
PART 3 - REFERENCES AND SOURCES	50
FIGURES	
FIGURE 1 PROJECT VICINITY	
FIGURE 2 PROJECT LOCATION	
APPENDICES	
A. DRAFT MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING AND REPORTING PROGRAM	
B. BIOLOGICAL RESOURCES ASSESSMENTS	
• LETTER REPORT RE: RESULTS OF UPDATED BIOLOGICAL SURVEYS ON APN 522-100-018, BY CIRCLE MOUNTAIN BIOLOGICAL CONSULTANTS, INC., DATED NOVEMBER 14, 2018	
• FOCUSED SURVEY FOR AGASSIZ'S LAND TORTOISE, HABITAT EVALUATION FOR BURROWING OWL, AND GENERAL BIOLOGICAL RESOURCE ASSESSMENT FOR A 1-ACRE± SITE (APN 522-100-018) NEAR THE COMMUNITY OF SNOW CREEK, RIVERSIDE COUNTY, CALIFORNIA; CIRCLE MOUNTAIN BIOLOGICAL CONSULTANTS, INC.; DECEMBER 2013	
C. CALIFORNIA EMISSIONS ESTIMATOR MODEL (CALEEMOD Version 2016.3.2) PRINTOUTS OF MODEL OUTPUTS FOR THE PROJECT	

PART 1
PROJECT INFORMATION

PART 1 - PROJECT INFORMATION

A. INTRODUCTION

1. Desert Water Agency

Desert Water Agency (DWA or the Agency) was formed in 1961 for the purposes of securing water supplies for, and providing water service to, residents of its service area. DWA's service area is generally bounded on the north (from west to east) by the intersection of Interstate 10 and Highway 111 to Chino Canyon and the Whitewater River, on the east by the Whitewater River and the Coachella Valley Water District, on the south by the rugged Santa Rosa Mountains, and on the west by the rugged San Jacinto Mountains.

DWA currently provides municipal water service to a total population of approximately 63,600 residents within its service area, which includes the City of Palm Springs (CPS), the southwest portion of the City of Cathedral City, and some unincorporated areas within Riverside County.

2. Snow Creek Village

Snow Creek Village is located in Snow Creek Canyon on the northerly slopes of Mount San Jacinto (see **Figures 1 and 2**). The Snow Creek Village community comprises approximately 40 potable water services, with a maximum seasonal population of approximately 132 persons (3.3 persons per connection x 40 connections = 132 persons).

Snow Creek Village is served by surface water from the Snow Creek and Falls Creek Surface Water Diversions located in Section 33, Township 3 South, Range 3 East, San Bernardino Meridian (SBM). The Surface Water Diversions discharge water into the 20-inch diameter Snow Creek Penstock and Pipeline (Penstock), which runs northerly down-slope through Sections 28 and 31 (Township 3 South, Range 3 East, SBM) to the 300-kW Snow Creek Hydroelectric Power Plant (SCPP). In Section 28, approximately 1/4 mile southerly of Snow Creek Village, an 8-inch reservoir supply line conveys water from the Penstock westerly to the 150,000-gallon Snow Creek Village Reservoir (Reservoir No. 18), which supplies Snow Creek Village.

B. PROJECT DESCRIPTION

1. Proposed Project

The Agency's Snow Creek Village Surface Water Filtration Plant Project (herein also referred to as the Project) consists of the construction and operation of a surface water filtration plant (the filtration plant) on DWA's existing SCPP property, as depicted on **Figure 2** herein.

The filtration plant will receive pressurized water from the existing 20-inch penstock via a pressure reducing station that will be located at the existing penstock. The filtration plant's disinfected product water will be conveyed to the existing 150,000-gallon Snow Creek Village Reservoir via an 8-inch diameter pipeline, using residual pressure from the penstock.

Construction of the Project will include the following:

- Construction of a raw water pressure reducing station at the existing penstock;
- Construction of two filter banks with two EPD 13.5 square-foot (SF) filter units per bank (for a total of four filter units and 135 gallons per minute (gpm) capacity with one bank out of service);
- Construction of a backwash supply pressure reducing station;
- Installation of a backwash waste clarifier with attached clearwell;
- Installation of two backwash recycle pumps;
- Installation of onsite valves, piping, and appurtenances;
- Construction of a masonry block building housing:
 - Filter units
 - Coagulant feed system
 - Chlorination system
 - Separate, air-conditioned electrical room
- Painting of aboveground facilities; and
- Filtration plant start-up and testing.

2. Purpose

Following its review of DWA's water system and source records, the California Department of Public Health Drinking Water Program (now the State Water Resources Control Board Division of Drinking Water) approved Snow Creek, Falls Creek, and other surface water sources for filtration avoidance under the Surface Water Filtration Avoidance criteria set forth in 40 CFR 141.71.

As described in the *Surface Water Filtration Avoidance 2017 Annual Inspection* report for DWA, dated September 2018, water quality data for calendar year 2017 demonstrates that Snow Creek is no longer in compliance with Filtration Avoidance Criteria as set forth in California Code of Regulations (CCR) Title 22, Section 64652.5. Specifically, Snow Creek did not meet the fecal coliform requirements of 22 CCR 64652.5(C)(1).

Because Snow Creek no longer meets the criteria for filtration avoidance, filtration must be provided for water sourced from Snow Creek. The Project consists of construction and operation of facilities to provide the required filtration for the water sourced from Snow Creek.

C. ENVIRONMENTAL SETTING

1. Location

The Project is located in an unincorporated area of the County of Riverside, within Snow Creek Canyon, on the northerly slopes of the San Jacinto Mountains. Refer to **Figures 1 and 2** herein.

The filtration plant will be located on the site of the existing Snow Creek Hydroelectric Power Plant (Snow Creek Power Plant or SCPP), which is located along Snow Creek Road on property identified as Assessor's Parcel Number (APN) 522-100-018, approximately 2,500 feet northerly of the small residential community of Snow Creek Village.

2. Climate

Climate in DWA's service area is characterized by low humidity, high summer temperatures, and mild dry winters. The area normally receives an average annual precipitation of approximately 5.5 inches, most of which occurs during December through February (except for summer thundershowers).

Prevailing winds in the area are usually gentle but occasionally increase to velocities as high as 50 to 60 miles per hour or more. Midsummer temperatures commonly exceed 100 degrees Fahrenheit (°F), frequently reach 110°F, and periodically reach 120°F. The average winter temperature is approximately 60°F.

3. Land Use

DWA's existing SCPP site, on which the water filtration plant is proposed, contains the existing SCPP, which is operated by DWA. Besides the SCPP facilities, the ground surface at the SCPP site is covered with gravel and is maintained by DWA. The site is located within unincorporated Riverside County, is zoned Rural Residential (R-R), and has a current land use designation of Open Space-Conservation Habitat (OS-CH). The SCPP site is surrounded by open space.

4. Soils and Geology

Based on the report, *Geotechnical Engineering Report Proposed Snow Creek Water Filtration Plant Improvement Project Snow Creek Road Snow Creek Village Area, Riverside County, California* by Earth Systems Pacific, dated January 15, 2019 (also referred to herein as the Earth Systems Report), the Project site has remained relatively unchanged since 1996, according to a review of historical aerial photographs.

According to the Earth Systems Report, soils at the Project site generally consist of fine to coarse grained sand with varying amounts of silt and gravel. The site is covered with shallow fill overlying naturally deposited soils. The native soils consist of alluvial deposits, while fill soils appear to be comprised of native soils.

D. COMPLIANCE WITH CEQA

This document has been prepared in compliance with the provisions of the California Environmental Quality Act, codified in California Public Resources Code, Division 13, Section 21000 *et seq* (CEQA) and the State CEQA Guidelines (California Code of Regulations, Title 14, Section 15000 *et seq*). Pursuant to CEQA and the State CEQA Guidelines, this Initial Study has been prepared to determine whether the Project may have a significant effect on the environment.

This Initial Study for DWA's Snow Creek Village Surface Water Filtration Plant has been prepared by Krieger & Stewart, Incorporated under contract with the Agency to comply with the provisions of CEQA.

E. LEAD AGENCY

Desert Water Agency is lead agency for the Project, as it is the public agency with the primary responsibility for preparing CEQA documents and for carrying out and approving the Project. Since DWA is responsible for the Project, it must comply with its own CEQA procedures, which conform to the requirements of CEQA and the State CEQA Guidelines issued by the State of California. DWA's CEQA procedures are included in the document, Desert Water Agency Local Guidelines for Implementing the California Environmental Quality Act (2018), which is on file at DWA's office in Palm Springs, California.

DWA, through the "Desert Water Agency Law", an act which created DWA and which prescribes its powers, can construct, operate, maintain, repair, and replace water, wastewater, and recycled water system facilities as needed to provide safe and reliable service. DWA routinely constructs new facilities, maintains them, and replaces them as necessary to maintain adequate, reliable, and safe domestic water service, wastewater service, and recycled water service to its customers. The Project is a continuation of the authority that DWA has exercised in the past.



F. PUBLIC INFORMATION DOCUMENT

This is a public information document prepared in accordance with CEQA, the State CEQA Guidelines, and DWA's local CEQA guidelines. The purposes of this Initial Study are to provide DWA with information to use as a basis for identifying the potential environmental impacts of the Project, for determining the appropriate CEQA document to prepare for the Project, to facilitate environmental assessment of the Project, and to provide documentation of the factual basis for the finding in the Project's Mitigated Negative Declaration. Additionally, this document identifies mitigation intended to avoid or reduce to levels less than significant any adverse environmental impacts of the Project.

PART 2
ENVIRONMENTAL EFFECTS AND CHECKLIST



PART 2 - ENVIRONMENTAL EFFECTS AND CHECKLIST

A. PROJECT INFORMATION

1. Project Title:

Snow Creek Village Surface Water Filtration Plant

2. Lead Agency Name and Address:

Desert Water Agency
1200 South Gene Autry Trail
Palm Springs, California 92264

3. Contact Person and Phone Number:

Mark S. Krause, General Manager
(760) 323-4971

4. Project Location:

The proposed surface water filtration plant will be constructed on DWA's existing Snow Creek Power Plant (SCPP) site (Assessor's Parcel Number [APN] 522-100-018), within Section 21, Township 3 South, Range 3 East, San Bernardino Meridian (SBM) within the County of Riverside.

See **Figures 1 and 2** herein.

5. Project Sponsor's Name and Address:

Desert Water Agency
1200 South Gene Autry Trail
Palm Springs, California 92264

6. General Plan Designation:

Open Space-Conservation Habitat (OS-CH)

7. Zoning:

Rural Residential (R-R)

8. Description of Project:

See Page 2.

9. Surrounding Land Uses and Setting:

See Pages 3 to 4.

10. Other public agencies whose approval may be required (e.g., permits, financing approval, or participation agreement):

- State Water Resources Control Board Division of Drinking Water



11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, has consultation begun?

Desert Water Agency (DWA) requested a list of tribes in the Project area from the Native American Heritage Commission (NAHC). After receiving the list from the NAHC, DWA mailed out formal notification of the Project on February 7, 2019 to all tribes on the list.

On February 28, 2019, DWA received a response letter via email from a representative of the Agua Caliente Band of Cahuilla Indians (Agua Caliente). In said letter, Agua Caliente requested several documents as well as the presence of an Agua Caliente Native American Cultural Resource Monitor during ground disturbing activities at the Project site. Available documents have been provided to Agua Caliente, and DWA will cooperate with Agua Caliente's request for a tribal monitor. Agua Caliente subsequently requested consultation on this Project via email on March 6, 2019, and consultation has since commenced via continued email communications between DWA staff and Agua Caliente.

On March 4, 2019, DWA received a response letter via email from a representative of the Morongo Band of Mission Indians (Morongo). In said letter, Morongo requested to consult on the Project with DWA. As part of its request, Morongo has additionally asked for a records search of the project site and tribal participation during site surveys and testing. DWA will contract with CRM TECH to perform a cultural resources records search and inventory at Morongo's request. DWA has responded to Morongo via email, initiating formal consultation, on March 5, 2019.

Tribal Cultural Resources are discussed further in **Issue XVII** herein.



B. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | |
|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture/Forestry Resources |
| <input type="checkbox"/> Air Quality | <input type="checkbox"/> Biological Resources |
| <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials |
| <input type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Land Use/Planning |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population/Housing | <input type="checkbox"/> Public Services |
| <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Tribal Cultural Resources | <input type="checkbox"/> Utilities/Service Systems |
| <input type="checkbox"/> Mandatory Findings of Significance | |

C. DETERMINATION (To be completed by the Lead Agency):

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ I find that although the proposed 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 proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a "potentially significant" 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 proposed 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 proposed project, nothing further is required.



David F. Scriven
KRIEGER & STEWART, INCORPORATED
Agency Consulting Engineer
DESERT WATER AGENCY

3/11/19

Date

D. EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g. the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on 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).
2. All answers must 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.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate 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 is significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Negative Declaration: 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 (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
 - a. Earlier Analyses Used. Identify and state where they are available for review.



- b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7. Supporting Information Sources. A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9. The explanation of each issue should identify:
 - a. The significance criteria or threshold, if any, used to evaluate each question; and
 - b. The mitigation measure identified, if any, to reduce the impact to less than significant.

E. ENVIRONMENTAL CHECKLIST

Issue I. Aesthetics

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project and its associated features and appurtenances will be located on the Agency's existing Snow Creek Power Plant (SCPP) site, as described in **Part I.C** of this Initial Study. The proposed water filtration plant consists of belowground facilities, one 15-foot high building, and other low-lying structures, that will be installed on flat areas that have been previously disturbed. The nearest residences are located approximately 2,500 feet away from the site. For these reasons, the Project will not have a substantial adverse effect on a scenic vista.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*There are no "Officially Designated State Scenic Highways" within visual range of the Project Site, according to the California Department of Transportation California Scenic Highway Mapping System, accessed on November 13, 2018. State Highway 111 is listed as an "Eligible State Scenic Highway – Not Officially Designated". The Project site is located approximately 6,500 feet southerly from State Highway 111. The Project consists of low-lying structures and belowground facilities, and is located a sufficient distance from State Highway 111 to avoid any visual impact from said highway. The Project will not substantially damage any scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway. Refer also to **Issue I.a** herein.*



Issue I. Aesthetics (continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project will be constructed within DWA's existing SCPP site, and is consistent with the SCPP site's public utility uses. The Project will not substantially degrade the existing visual character or quality of the Project Site or its surroundings. Refer also to **Issue I.a** herein.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project may include additional new sources of light at the filtration plant (on the SCPP site), consisting of light fixtures on the facilities. These new sources of light would not adversely impact day or nighttime views because the nearest residences are located approximately 2,500 feet away from the SCPP site. The lighting would be designed to avoid glare or other impacts to the nearby roadway.

Issue II. Agriculture and Forest Resources

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in forest protocols adopted by the California Air Resources Board.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project 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 non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project site and adjacent parcels do not contain any Farmland and are designated as "Other Land" pursuant to the map entitled, Riverside County Important Farmland 2016, Sheet 1 of 3,

published July 2017 by the State of California Department of Conservation, Division of Land Resources Protection, Farmland Mapping and Monitoring Program.

According to the Farmland Mapping and Monitoring Program, "Other Land is land not included in any other mapping category. Common examples include low density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry, or aquaculture facilities; and strip mines, borrow pits, and water bodies smaller than 40 acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land."

Based on the above, the Project will not result in the conversion of Farmland to non-agricultural use.

Issue II. Agriculture and Forest Resources (continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

According to the Riverside County "Map My County" online information system (accessed on November 2, 2018), the SCPP site is zoned Rural Residential (R-R). The Project site is not located on or adjacent to land zoned for agricultural use or land that is subject to the provisions of a Williamson Act contract. For these reasons, the Project does not have the potential to conflict with existing zoning for agricultural use or with a Williamson Act contract.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project site does not contain forest land and is not zoned as forest land, timberland, or Timberland Production. The Project would not conflict with existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned as Timberland Production.

Issue II. Agriculture and Forest Resources (continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

There is no forest land present on or adjacent to the Project site; therefore, the Project would not result in the loss of forest land or the conversion of forest land to non-forest use.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project does not involve changes in the environment that would result in the conversion of Farmland to non-agricultural use or the conversion of forest land to non-forest use. Refer also to Issues II.a through II.d herein.

Issue III. 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.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project site is located within the Salton Sea Air Basin (SSAB), which encompasses all of Imperial County and the central part of Riverside County, extending from the San Jacinto Mountains on the west to the Little San Bernardino Mountains on the east. The Riverside County portion of the SSAB is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD).

A project is considered to conflict with or obstruct implementation of the applicable air quality plan if it results in population or employment growth that would exceed the estimates for such growth that are set forth in the applicable air quality plan. The Project includes construction and operation of a surface water filtration plant. While the Project will result in a temporary increase in workers in the area during construction, these workers are expected to commute to the area from nearby cities, such



as Palm Springs. Project operation and maintenance will be implemented by DWA staff. The Project does not provide any additional source or supply of potable water, nor does it provide any additional features that could directly or indirectly result in an increase in population or permanent employment in the community of Snow Creek or the surrounding areas. For these reasons, the Project would not conflict with or obstruct implementation of any applicable air quality plan.

Impacts related to greenhouse gases are discussed in **Issue VII** herein.

Issue III. Air Quality (continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project is located within the Salton Sea Air Basin (SSAB). State and federal designations based on the California Ambient Air Quality Standards (CAAQS) and the National Ambient Air Quality Standards (NAAQS) for the SSAB are listed below. "Attainment" is the category given to an area that has had no CAAQS or NAAQS violations in the past 3 years. "Non-Attainment" is the category given to an area that has had one or more such violations in the past 3 years. An area is considered "Unclassified" when there is insufficient data.

Under the CAAQS, the SSAB is classified as Non-Attainment for ozone (O_3) and for particulate matter measuring 10 microns or less in diameter (PM_{10}). SSAB is classified as Attainment for carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), sulfates (SO_4), particulate matter measuring 2.5 microns or less in diameter ($PM_{2.5}$), and lead (Pb). SSAB is Unclassified for hydrogen sulfide (H_2S) and visibility reducing particles. Additional information about each of these pollutants and the CAAQS is available at the California Air Resources Board website at www.arb.ca.gov. Under the NAAQS, the SSAB is classified as Non-Attainment for O_3 and PM_{10} and as Attainment/Unclassifiable for CO, NO_2 , SO_2 , and $PM_{2.5}$, and lead. Additional information about these pollutants and the NAAQS is available on the United States Environmental Protection Agency's website at www.epa.gov/criteria-air-pollutants.

Project construction would result in a temporary increase in quantities of air pollutants in the area, including airborne dust, that are expected to result from construction vehicles and equipment. Dust will be mitigated to the extent possible using dust palliatives (such as water) and best management practices (BMPs) specified in the construction contract documents for the Project. Quantities of construction air pollutant emissions would not exceed the daily construction thresholds set forth by



SCAQMD (as listed in **Table 1**) and would not result in a cumulatively considerable net increase in O_3 or PM_{10} emissions for which the Project region is designated non-attainment under the CAAQS and NAAQS.

Project construction air pollutant emissions were determined using the California Emissions Estimator Model (CalEEMod, Version 2016.3.2). These emissions are summarized in **Table 1** below, and additional details are included in the printouts of the CalEEMod output reports included in **Appendix C** herein. As shown in **Table 1**, short-term air pollutant emissions expected to be generated during Project construction would not exceed the peak daily construction thresholds set forth by SCAQMD and are considered less than significant.

Table 1 Estimated Peak Day Construction Equipment Exhaust Emissions for Construction of Snow Creek Village Water Filtration Plant						
	Pollutants (pounds/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
SCAQMD Threshold ⁽¹⁾	75	100	550	150	150	55
Filtration Plant Construction	6.2414	58.5477	42.2186	0.0999	3.3136	2.7201
Exceeds Threshold? (Yes/No)	No	No	No	No	No	No

(1) SCAQMD, March 2015

Ongoing operation of the Project is expected to generate negligible air pollutant emissions resulting from vehicle trips to the filtration plant site and operation of a portable standby generator that will be used to power the filtration plant during any power outages. Except for the short-term use of a portable standby generator during a power outage, the electricity used to power the filtration plant is expected to be hydroelectric, the production of which does not result in the emission of air pollutant emissions.

Ongoing operation of the Project will be implemented in conjunction with operation of the existing SCPP; however, for the purposes of this analysis, we have estimated one daily vehicle trip at 60 miles per day. Because power outages are infrequent and short-term, the occasional use of a diesel-powered portable standby generator was not included in the calculations. Estimated peak daily operation emissions were also estimated using CalEEMod, and are shown in the printouts included in **Appendix C**.

For the Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds (SCAQMD, March 2015), and operation emissions below these levels are considered less than significant. Operation of the Project is estimated to result in approximately 0.6631 pounds/day



ROG, 6.3227 pounds/day NO_x, 3.8101 pounds per day CO, 0.0132 pounds per day SO₂, 0.2304 pounds/day PM₁₀, and 0.2119 pounds/day PM_{2.5}.

As described above, construction and operation emissions generated by the Project do not exceed the significance thresholds set forth by SCAQMD, and therefore would be less than significant.

For the reasons stated above, the Project would not violate any air quality standard or contribute substantially to an existing or projected air quality violation.

Issue III. Air Quality (continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*The Project would not result in a cumulatively considerable net increase in O₃ or PM₁₀, for which the region is non-attainment under the CAAQS and NAAQS. Refer also to **Issues III.a** and **III.b** herein.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project would not result in substantial air pollutant concentrations during construction or operation. The nearest residence is located approximately 2,500 feet south of the proposed filtration plant site in Snow Creek Village. There are no schools within five miles of the Project site.

*Quantities of air pollutant emissions would temporarily increase during Project construction; however, as described in **Issue III.b** herein, said increase would not exceed the daily construction emissions thresholds established by the SCAQMD, would be less than significant, and would be short-term.*



Issue III. Air Quality (continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Would the project create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Construction and operation of the Project would not create objectionable odors.

Issue IV. Biological Resources

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project 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 or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*A biological resources survey was performed at the SCPP site by Circle Mountain Biological Consultants, Inc. (CMBC) in November 2013, and the findings, conclusions, and recommendations of CMBC are set forth in the report titled Focused Survey for Agassiz's Land Tortoise, Habitat Evaluation for Burrowing Owl, and General Biological Resource Assessment for a 1-acre± Site (APN 522-100-018) near the Community of Snow Creek, Riverside County, California (CMBC 2013 Report). CMBC revisited the SCPP site in November 2018 to resurvey the site, and the findings and recommendations of the resurvey are set forth in the letter report, Results of Updated Biological Surveys on APN 522-100-018, dated November 14, 2018 (CMBC 2018 Letter Report). Copies of the CMBC 2013 Report and the CMBC 2018 Letter Report are included in **Appendix B** herein.*

As stated in the CMBC 2013 Report, CMBC concluded that the burrowing owl (Athene cunicularia) and Agassiz's land tortoise (Gopherus agassizii) are absent from the project area and adjacent survey areas, and did not recommend any mitigation measures for said species. CMBC also concluded that none of the following special status species reported from the region will be adversely affected by site development: Coachella Valley Jerusalem cricket, the red-diamond rattlesnake, golden eagle, prairie falcon, LeConte's thrasher, long-eared owl, loggerhead shrike, Coachella Valley roundtailed ground squirrel, pallid San Diego pocket mouse, Palm Springs pocket mouse, San Diego desert woodrat, Townsend's big-eared bat, western mastiff bat, pocketed free-tail bat, Peninsular bighorn sheep, Little San Bernardino Mountains linanthus, and whitebracted spineflower. In 2013, no potential adverse impacts were identified and CMBC did not recommend any mitigation measures for protection of any



sensitive species. In 2018, CMBC found that habitat conditions were essentially unchanged since its 2013 survey, and no additional recommendations were given.

For the reasons described above, the Project would not have a substantial adverse effect on any candidate, sensitive, or special status species.

Issue IV. Biological Resources (continued)

b) Would the project 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?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project will not adversely affect any riparian habitat or other areas identified as sensitive natural communities, as there are no such areas located on or adjacent to DWA's existing SCPP site. Refer also to **Issue IV.c** herein.*

c) Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

There are no wetlands located on or directly adjacent to the SCPP site; therefore, the Project will not have a substantial adverse effect on federally protected wetlands.

d) Would the project 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?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project will not interfere with the movement of any native resident or migratory fish or wildlife species, with any wildlife corridors, or with the use of native wildlife nursery sites. Refer also to **Issues IV.a through IV.c** herein.*

Issue IV. Biological Resources (continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project will not conflict with any local policies or ordinances protecting biological resources.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project site is located within the plan area of the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP). The Project is located partly within the Snow Creek/Windy Point Conservation Area as designated in the CVMSHCP. DWA is not a signatory to the CVMSHCP, and is not bound by its provisions. Nevertheless, since the Project is not expected to adversely impact any biological resources, the Project would not conflict with the provisions of the CVMSHCP, and no impact would occur.

Issue V. Cultural Resources

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

A cultural resources assessment was prepared for the Snow Creek Hydro-Electric Project in September, 1981 by James D. Swenson of the Archeological Research Unit at the University of California at Riverside (hereinafter referred to as the Swenson Report). A copy of the Swenson Report is available for review at DWA's office during normal business hours.

The Swenson Report found no evidence of historic resources in the vicinity of the SCPP site and the Penstock alignment. Therefore, the Project would not impact historical resources.



Issue V. Cultural Resources (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*The Swenson Report assessed the SCPP site and the Penstock alignment, along with other areas, and concluded that construction of the SCPP project would have no impact on archaeological resources. Since the time of the Swenson Report, the SCPP has been constructed and continuously operated. However, it is possible that buried archaeological resources may be encountered during ground-disturbing activities associated with construction of the Project. Therefore, contract documents will contain protective stipulations for any archaeological resources uncovered during construction activities to ensure that the Project will not result in any significant adverse impacts upon archaeological resources. Specifically, Mitigation Measure CUL-1, as described below and as set forth in the Project's Mitigation Monitoring and Reporting Program attached to the Mitigated Negative Declaration in **Appendix A** herein, will be implemented for the Project. With incorporation of Mitigation Measure CUL-1, the Project would not result in a substantial adverse change in the significance of an archaeological resource.*

Mitigation Measure CUL-1: Archaeological Resources

In the event that any archaeological resources are uncovered during Project construction, all work in the area will be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the find. If an archaeological resource uncovered during Project construction is determined to be significant, then the resource will be treated in an appropriate manner as determined by a qualified archaeologist and Desert Water Agency.

*Tribal Cultural Resources are addressed in **Issue XVII** herein.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

According to the Riverside County "Map My County" online information system (accessed on November 2, 2018), the Project site is located in an area of "low potential" for paleontological sensitivity. No paleontological resources are expected to be present on the Project site; however, contract documents will contain protective stipulations for any paleontological resources uncovered



during construction activities to ensure that the Project will not result in any significant adverse impacts upon paleontological resources. Examples of such stipulations are:

- If any potential paleontological resources are uncovered during Project construction, all work in the vicinity of the discovery shall be halted until a qualified paleontologist can evaluate the nature and significance of the finds.
- If a qualified paleontologist determines that a specimen uncovered during Project construction is potentially significant, then all future ground-disturbing actions associated with the Project will be monitored by a qualified paleontological monitor.
- Specimens recovered from the Project site by the qualified paleontological monitor will be identified and curated at a repository with permanent retrievable storage that will allow for additional research in the future.

Issue V. Cultural Resources (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*There are no known cemeteries or burial grounds located on or adjacent to the Project site. In the event that any human remains are encountered during Project construction, the County Coroner will be notified immediately, and all work in the area will be halted or diverted until a qualified archaeologist or historian evaluates the significance of the find. The Project will comply with the provisions of Section 15064.5 of the State CEQA Guidelines. Refer also to **Issue XVII(a)** herein.*



Issue VI. Geology and Soils

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project 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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- i) *Based on the document Fault Rupture Hazard Zones in California, Special Publication 42, Interim Revision 2007, issued by the Department of Conservation California Geological Society, and on State of California Special Studies Zones Whitewater Quadrangle Revised Official Map (Effective June 1, 1995, issued by the State Geologist) the Project site is not located within or adjacent to an Alquist-Priolo Earthquake Fault Zone. Based on said map, the nearest Special Studies Zone is approximately 2 miles northerly of the Project site. Based on the report titled Geotechnical Engineering Report Proposed Snow Creek Water Filtration Plant Improvement Project Snow Creek Road Snow Creek Village Area, Riverside County, California, prepared by Earth Systems Pacific and dated January 15, 2019 (also referred to herein as the Earth Systems Report), the Project site is located in the vicinity of the San Andreas fault zone. The Banning, Mission Creek, and Garnet Hill faults are part of the San Andreas fault system, and the Project site is located approximately two miles south of the Garnet Hill fault. Further, the Project does not include any structures or facilities intended for human occupation beyond occasional maintenance, and facilities will be designed in accordance with the seismic recommendations of the Earth Systems Report. For these reasons, the Project is not expected to expose people or critical structures to potential substantial adverse effects involving rupture of a known active fault.*
- ii) *Because of its location in a seismically active area, the Project site is subject to potentially strong seismic ground shaking. However, the Project does not include any structures intended for human occupation beyond occasional maintenance, and facilities will be designed in accordance with the seismic recommendations of the Earth Systems Report;*



therefore, the Project will not expose people or structures to potential substantial adverse effects (including the risk of loss, injury, or death) involving strong seismic ground shaking.

- iii) The Earth Systems Report states, "Since the groundwater table is deeper than 50 feet bgs [below ground surface], the potential for liquefaction is negligible."

Because of the negligible potential for liquefaction at the Project site, and because the Project does not include facilities intended for human occupation besides short-term occupation for occasional facility maintenance, the Project will not expose people or structures to potential substantial adverse effects, including seismic-related ground failure, such as liquefaction.

- iv) Based on the Earth Systems Report, "The site is relatively flat and slopes are anticipated to be less than 5 feet high. Therefore, potential hazards from slope instability, landslides, or debris flow are considered very low." Therefore, the Project will not expose people or structures to potential substantial adverse effects, including loss, injury, or death, involving landslides.

Issue VI. Geology and Soils (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The filtration plant site is located on DWA's existing SSCP site, which is relatively flat. Additionally, the ground surface at the Project site is covered with gravel and is maintained by DWA. The Project is not expected to result in substantial soil erosion or the loss of topsoil.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

According to the Riverside County "Map My County" online information system (accessed on November 2, 2018), the entire Project area is susceptible to subsidence, and has a moderate potential for liquefaction. However, the Earth Systems Report states that liquefaction potential is negligible at the Project site and that current subsidence potential is very low. Further, as stated previously, the Earth Systems Report states that, "The site is relatively flat and slopes are anticipated to be less than 5 feet high. Therefore, potential hazards from slope instability, landslides, or debris flow are considered very low."



The Project does not include facilities whose construction and operation are capable of causing on- or off-site landslide, lateral spreading, liquefaction, or collapse.

*For the reasons described above, the Project will not expose people or critical structures to potential substantial adverse effects, including the risk of loss, injury, or death, involving unstable geologic units or soils. Refer also to **Issue VI.a** herein.*

Issue VI. Geology and Soils (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Soils at the Project site are fine to coarse sands and gravels. These sandy types of soils are not considered expansive.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project does not include septic tanks or alternative wastewater disposal systems.

Issue VII. Greenhouse Gas Emissions

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Gases that trap heat in the Earth's atmosphere are referred to as greenhouse gases (GHGs). GHGs that are emitted due to human activities, primarily from the combustion of fossil fuels (e.g. gasoline in motor vehicles), are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The most common GHG that results from human activities is CO₂, followed by CH₄ and N₂O, respectively.

To quantify and combine these three GHGs into a single figure, each gas is converted to "carbon dioxide equivalent" (CO₂EQ) units. CO₂EQ is defined by the United States Environmental Protection Agency (USEPA) as, "A metric measure used to compare the emissions from various greenhouse gases



based upon their global warming potential (GWP)...The carbon dioxide equivalent for a gas is derived by multiplying the tons of the gas by the associated GWP." The GWPs for carbon dioxide, methane, and nitrous oxide are 1, 21, and 310, respectively.

The Project will generate greenhouse gas emissions during construction and operation. Estimated quantities of greenhouse gases that will be generated during construction and operation of the Project were determined using the California Emissions Estimator Model (CalEEMod, Version 2016.3.2), and copies of the model outputs for the Project are included in **Appendix C** herein. Greenhouse gases generated by project construction total approximately 409.2 metric tons of CO₂EQ. These GHG emissions are temporary and short-term and are considered less than significant.

Project operation is anticipated to generate approximately one utility vehicle trip to the Project site daily, which is estimated to emit approximately 152 metric tons of CO₂EQ annually (based on a vehicle travelling 60 miles daily). Electricity used to power the filtration plant would be hydroelectric, which does not result in air pollutant emissions during production.

The estimated annual greenhouse gas emissions of approximately 152 metric tons of CO₂EQ is substantially less than the California Air Resources Board's (CARB's) mandatory reporting threshold of 25,000 metric tons of CO₂EQ per year for an individual facility and SCAQMD's threshold of 10,000 metric tons of CO₂EQ per year for an industrial facility.

For the reasons stated above, the Project will not generate greenhouse gas emissions that would have a significant impact on the environment.

Issue VII. Greenhouse Gas Emissions (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

As discussed in **Issue VII.a**, estimated Project greenhouse gas emissions of 152 metric tons of CO₂EQ per year are minimal when compared to both the mandatory reporting threshold of 25,000 metric tons of CO₂EQ per year set forth by CARB and SCAQMD's annual threshold of 10,000 metric tons of CO₂EQ per year for an industrial facility. The Project will not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.



Issue VIII. Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Small quantities of paint, lubricants, fuel, and adhesives will be used during Project construction. Said use will be short-term and strictly controlled, and waste materials will be properly disposed of. Such materials will not be allowed to enter any drainage. Further, Project operation does not involve the generation, transport, use, storage, or disposal of any hazardous materials. Therefore, the Project will not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project includes constructing and operating a surface water filtration plant for use in filtering an existing surface water source that serves the Snow Creek Village portion of DWA's service area. The Project does not have the potential to 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. Refer also to **Issue VIII.a** above.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project will not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste. Additionally, the Project site is not located within one-quarter mile of an existing or proposed school. There are no schools within five miles of the Project site.

Issue VIII. Hazards and Hazardous Materials (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project site is not included on the list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, and there are no such sites within at least a 10,000-foot radius from the Project Site. The nearest hazardous materials site is located in Banning, approximately 9.6 miles westerly of the Project site, as shown on maps provided by the California Department of Toxic Substances Control (DTSC), available on DTSC's publicly-accessible database, EnviroStor, online at <http://www.envirostor.dtsc.ca.gov/public>.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project site is located approximately ten miles northwesterly of the Palm Springs International Airport and approximately ten miles southeasterly of the Banning Municipal Airport. According to the Riverside County Airport Land Use Compatibility Plan Policy Document (adopted March 2005 by the Riverside County Airport Land Use Commission and referred to herein as the Compatibility Plan), the Project site does not lie within a compatibility zone of the Palm Springs International Airport or the Banning Municipal Airport. The filtration plant building will extend approximately 15 feet above the ground surface.

Therefore, the Project does not include any facilities or activities that could pose a safety hazard for people residing or working in the Project area associated with operation near an airport.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project site is not located within the vicinity of a private airstrip.

Issue VIII. Hazards and Hazardous Materials (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project consists of construction and operation of a water filtration plant located within DWA's existing SCPP site.

Because Snow Creek Road is the primary access to the community of Snow Creek Village, contract documents would require the construction contractor to develop and implement a safe and effective traffic control plan to maintain access to and from the community during Project construction. Based on the nature and location of the proposed facilities, Project operation would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
h) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

According to the Riverside County's "Map My County" online information system (accessed on November 2, 2018), the Project site is not located within a fire hazard zone. There is a slight risk of fire occurring during construction of Project facilities; however, the risk will be less than significant and short-term. Additionally, construction contract documents for the Project will require construction contractors to comply with safety standards specified in Title 8 of the California Code of Regulations and that any equipment or machinery that poses a risk of emitting sparks or flame be equipped with an arrestor, thereby further limiting potential impacts.



Issue IX. Hydrology and Water Quality

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project will comply with all applicable water quality standards, waste discharge requirements, and all other requirements of the California Regional Water Quality Control Board, Colorado River Basin Region (Regional Board), as applicable. The Project will not have a liquid waste stream.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project provides facilities for surface water filtration and does not include the extraction or use of groundwater. The surface water that will be filtered is an existing water source for the community of Snow Creek Village, and the Project does not include any features that would impact water use in the community.

Therefore, the Project will not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level to the extent that the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project will not result in the alteration of existing drainage patterns on or off the Project site, and the Project will not result in substantial erosion or siltation onsite or offsite. After construction, with the exception of the aboveground features of the filtration plant, ground surfaces will be returned to preconstruction conditions.

Issue IX. Hydrology and Water Quality (Continued)

d) 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 substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project consists of constructing and operating a water filtration plant and associated appurtenances within DWA's existing SSCP site. The Project will not result in the alteration of existing drainage patterns on the site or in the area. The aboveground portions of the Project facilities will contribute relatively small areas of impervious surfaces, which will not substantially increase the rate or quantities of surface runoff. Refer also to **Issue IX.c** herein.*

e) Would the project create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The aboveground portions of the Project facilities will contribute relatively small areas of impervious surfaces on the Project site, which will not substantially increase the rate or quantities of surface runoff. The Project does not include features that would create or contribute substantial sources of runoff or polluted runoff.

f) Would the project otherwise substantially degrade water quality?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project consists of facilities to provide filtration of surface water used as a potable water source. Sediment and other debris filtered out of the water does not have the potential to substantially degrade water quality. Refer also to **Issues IX.a through IX.e** herein.*



Issue IX. Hydrology and Water Quality (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Would the project place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project does not include construction of housing or other structures intended for human occupation.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
h) Would the project place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for Riverside County, California and Incorporated Areas, Map Number 06065C0870G, Effective August 28, 2008, the Project Site is located in Zone X – Other Areas, defined as "areas determined to be outside the 0.2% annual chance floodplain".

Further, the Project consists of low-lying and belowground facilities; therefore, the Project would not place within a 100-year flood hazard area structures which would impede or redirect flood flows.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
i) Would the project expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project does not include structures intended for human occupation (besides occasional maintenance) and is not located within a floodway or a 100-year floodplain. Therefore, the Project does not include the construction of any facilities that would expose people or structures to loss, injury, or death involving flooding.

Issue IX. Hydrology and Water Quality (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
j) Would the project expose people or structures to inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project does not include construction of any facilities that would create an increased risk of seiches, tsunamis, or mudflow. The filtration plant will be constructed on DWA's existing SCPP site, which is on relatively flat land with slopes of approximately 1%. Therefore, the Project does not have the potential to expose people or structures to inundation by mudflow. Further, the Project area is not located near any bodies of water of a size sufficient to result in seiches or tsunamis. Therefore, the Project would not expose people or structures to inundation by seiche, tsunami, or mudflow.

Issue X. Land Use and Planning

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The filtration plant is located within DWA's existing SCPP site; therefore, the Project does not have the potential to physically divide an established community.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project conflict with any 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project consists of constructing and operating a water filtration plant on DWA's existing SCPP site. The Project is consistent with the existing land use of the site and would not conflict with any applicable land use plan, policy, or regulation.

Issue X. Land Use and Planning (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project site is located within the plan area of the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP). The Agency is not a signatory to the CVMSHCP, and the Project would not conflict with the operation or goals of the CVMSHCP. Further, the Project would be located within an existing developed site that is not within a CVMSHCP Conservation Area. Therefore, the Project would not conflict with the CVMSHCP.

Issue XI. Mineral Resources

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Project facilities would be located within DWA's existing SCPP site. This area is not known to contain any mineral resources that would be of value to the region or to the residents of the state. The Project would not impact the availability of any known mineral resources or mineral resource recovery sites.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project would not 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. Refer also to **Issue XI.a** herein.*



Issue XII. Noise

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project would generate noise during construction and operation of Project facilities. Noise generated during construction would be that resulting from construction equipment operating on the Project site and from workers' vehicles commuting to and from the Project site. Construction noise would comply with the Noise Element of the County of Riverside General Plan (2015) and any other applicable noise ordinances. Further, DWA's standard contract documents require contractors to equip all machinery and equipment with appropriate noise control devices (e.g. mufflers), thereby further limiting potential impacts. Project construction noise is anticipated to be less than significant and short-term.

An incremental increase in noise resulting from operation of Project facilities is anticipated to include noise generated by operation of the filtration plant and by one maintenance vehicle on the site daily, which is expected to be indistinguishable from noise currently generated during ongoing operation of the SCPP and existing road traffic. Therefore, noise generated by operation of the Project is expected to be negligible and would comply with the standards established in the Noise Element of the County of Riverside General Plan. Further, the residence nearest the Project site is located approximately 2,500 feet to the south, and any noise generated by Project construction and operation is not expected to be perceptible at that distance.

For the reasons described above, noise generated by construction and operation of the Project would be less than significant.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project is not expected to result in excessive groundborne vibration or groundborne noise during construction or operation. The nearest occupied residence is located in Snow Creek Village and is approximately 2,500 feet southerly of the Project site. Any groundborne vibration and groundborne noise generated during Project construction are not expected to be perceptible at any residences.

*Ongoing Project operation would not generate groundborne vibration or groundborne noise. Refer also to **Issue XII.a** herein.*

Issue XII. Noise (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*The Project would not result in a substantial permanent increase in ambient noise levels in the Project vicinity. Any permanent increase in ambient noise levels is expected to be indistinguishable from noise levels generated by existing SCPP operation activities and existing road traffic. Refer also to **Issue XII.a** above.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*The Project is expected to temporarily generate increased noise levels during construction activities. Noise resulting from construction of the Project facilities is anticipated to be less than significant and short-term. Noise generated during Project operation would be periodic (resulting from one daily vehicle trip to the SCPP site and operation of the filtration plant) and is expected to be indistinguishable from noise generated by existing SCPP operation and existing road traffic. Refer also to **Issue XII.a** herein.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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 expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The nearest public airports are the Palm Springs International Airport, which is located approximately ten miles southeasterly of the Project site, and the Banning Municipal Airport, located approximately ten miles northwesterly of the Project site. According to "Exhibit PS-4, Existing Noise Impacts" and "Exhibit PS-5, Future Noise Impacts", included in the document Riverside County ALUCP—East County Airports Background Data (March 2005), the Project is located outside all noise contours mapped for the Palm Springs International Airport. According to "Exhibit BN-4,

*Existing Noise Impacts" and "Exhibit BN-5, Future Noise Impacts", included in the same document, the Project is located outside all noise contours mapped for the Banning Municipal Airport. Because the Project would not generate substantial noise levels, the Project would not expose people residing or working in the Project area to excessive noise levels. Refer also to **Issue XII.a** herein.*

Issue XII. Noise (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project is not located within the vicinity of a private airstrip.

Issue XIII. Population and Housing

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of road or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*As described in **Part I.B.2**, herein, the Project includes a surface water filtration plant to filter the existing water supply from Snow Creek in order to meet the surface water filtration requirements of the State Water Resources Control Board Division of Drinking Water.*

The Project does not create an additional potable water supply for residential or commercial use, and therefore would not induce population growth in the area, either directly or indirectly.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project is located within DWA's existing SCPP site and does not include any features that will require the destruction or relocation of existing housing.



Issue XIII. Population and Housing (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Since the Project is located on the site of existing DWA facilities, it would not displace any people and does not include the destruction or construction of any housing.

Issue XIV. Public Services

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) 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:				
i) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
v) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

i) The Project does not include any features or facilities that would require additional or unusual fire protection resources.

ii) The Project does not include any features or facilities that would be occupied or that would otherwise require enhanced levels of police protection.

iii) The Project does not have the potential to increase or decrease the Project area's population, and would therefore not result in a greater or lesser demand for schools.

iv) The Project does not have the potential to increase or decrease the Project area's population, and would therefore not result in a greater or lesser demand for parks.

v) The Project will have no effect upon other public facilities.



Issue XV. Recreation

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project does not have the potential to increase or decrease the Project area's population, and would therefore not result in increased or decreased use of parks or other recreational facilities. Refer also to **Issue XIII.a** herein.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project does not include recreational facilities and would not require the construction or expansion of any recreational facilities. Refer also to **Issue XV.a** herein.*

Issue XVI. Transportation / Traffic

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project 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 non-motorized 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project would result in an increase in traffic during construction as a result of workers' vehicles and construction vehicles and equipment; however, said increase would be less than significant and short-term. The construction contractor will be required to implement safe and effective traffic controls in order to keep Snow Creek Road open and accessible during construction, since it is the only paved road that allows access to the Snow Creek Village community. Operation of the Project facilities is expected to generate approximately one daily vehicle trip to the SCPP site. For these reasons, the Project would not result in an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system. Traffic impacts would be less than significant.

Issue XVI. Transportation / Traffic (Continued)

b) Would the project conflict with an applicable congestion management program, including, but not limited to, level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*There would be a temporary increase in traffic during construction activities due to workers' vehicles and construction vehicles and equipment; however, said increase would be less than significant and short-term. The construction contractor will be required to implement safe and effective traffic controls in order to keep Snow Creek Road open and accessible during construction, since it is the only paved road that allows access to the Snow Creek Village community. Project operation activities are not expected to result in more than one daily vehicle trip to the site. For these reasons, the Project would not conflict with a congestion management program and would not exceed level of service standards designated for the Project area. Refer also to **Issue XVI.a** herein.*

c) Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that result in substantial safety risks?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project is located within the existing SSCP site and includes low-lying and belowground structures that do not exceed 15 feet above the ground surface. Therefore, the Project would have no impact upon air traffic patterns.

d) Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project is located within DWA's existing SSCP site. The Project would have no impact upon street design, and would not substantially increase hazards due to design features or incompatible uses.



Issue XVI. Transportation / Traffic (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Would the project result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Project is located within DWA's existing SCPP site. The construction contractor will be required to maintain safe and effective access along Snow Creek Road at all times during construction. Project operation would have no impact on emergency access. Project construction would not result in inadequate emergency access.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Would the project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project is located within DWA's existing SCPP site. The Project would not conflict with or decrease the performance or safety of any public transit, bicycle, or pedestrian facilities. Refer also to Issue XVI(e) above.

Issue XVII. Tribal Cultural Resources

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code 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:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Listed or eligible for listing in the California Register of Historic Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

There are no known resources on the Project site that are listed or eligible for listing in the California Register of Historical Resources or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k). DWA has notified local Native American tribes about the Project, as described in Issue XVII(b) below.

In addition to working directly with concerned tribes, as described in Issue XVII(b) below, DWA has incorporated mitigation measures setting forth actions that will be taken in the event that



potential tribal cultural resources are uncovered during ground-disturbing activities associated with the Project. Specifically, Mitigation Measures TCR-1 through TCR-3, as described below and as set forth in the Project's Mitigation Monitoring and Reporting Program attached to the Mitigated Negative Declaration in **Appendix A** herein, will be implemented for the Project. With incorporation of these mitigation measures, the Project would not result in a substantial adverse change in the significance of a tribal cultural resource that is listed or eligible for listing in the California Register of Historic Resources or in a local register of historical resources.

TCR-1: Human Remains or Funerary Objects

If human remains or funerary objects are encountered during any activities associated with the Project, all work in the immediate vicinity of the find (within a 100-foot buffer of the find) will cease and DWA will contact the Riverside County Coroner, pursuant to California Health and Safety Code Section 7050.5. The Project will fully comply with California Health and Safety Code Section 7050.5.

TCR-2: Cultural Resources

In the event that Native American cultural resources are discovered during Project activities, all work in the immediate vicinity of the find (within a 60-foot radius of the find) will cease, and a qualified archaeologist, meeting Secretary of the Interior (SOI) standards, will be hired to assess the find. Work on the other portions of the Project, outside the specified buffer area, may continue while the assessment is taking place. Additionally, DWA will contact the Tribes if any such find occurs, will provide the Tribes with information, and will permit the Tribes to perform a site visit to provide Tribal input while the archaeologist is making his or her assessment.

TCR-3: Treatment and Disposition of Remains

If significant Native American historical resources, as defined by CEQA, are discovered and avoidance cannot be assured, an SOI-qualified archaeologist will be retained to develop a cultural resources treatment plan, as well as a discovery and monitoring plan, the drafts of which will be provided to the Tribes for review and comment.

All in-field investigations, assessments, and/or data recovery enacted pursuant to the finalized treatment plan will be monitored by a qualified archaeologist, and DWA will permit the Tribes to have representatives present during such investigations, assessments, and data recovery taking place on the Project site.

DWA will consult in good faith with the Tribes on the disposition and treatment of any artifacts or other cultural materials encountered during the Project.

Issue XVII. Tribal Cultural Resources (Continued)

b) 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 Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

DWA requested a list of tribes in the Project area from the Native American Heritage Commission (NAHC). After receiving the list from the NAHC, DWA mailed out formal notification of the Project on February 7, 2019 to all tribes on the list.

On February 28, 2019, DWA received a response letter via email from a representative of the Agua Caliente Band of Cahuilla Indians (Agua Caliente). In said letter, Agua Caliente requested several documents as well as the presence of an Agua Caliente Native American Cultural Resource Monitor during ground disturbing activities at the Project site. Available documents have been provided to Agua Caliente, and DWA will cooperate with Agua Caliente's request for a tribal monitor. Agua Caliente subsequently requested consultation on this Project via email on March 6, 2019, and consultation has since commenced via continued email communications between DWA staff and Agua Caliente.

On March 4, 2019, DWA received a response letter via email from a representative of the Morongo Band of Mission Indians (Morongo). In said letter, Morongo requested to consult on the Project with DWA. As part of its request, Morongo has additionally asked for a records search of the project site and tribal participation during site surveys and testing. DWA will contract with CRM TECH to perform a cultural resources records search and inventory at Morongo's request. DWA has responded to Morongo via email, initiating formal consultation, on March 5, 2019.

*Refer also to **Issue XVII(a)** above.*



Issue XVIII. Utilities and Service Systems

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project will not generate sanitary wastewater.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project consists of a water filtration plant. The Project will not require or result in the construction of other new or expanded water or wastewater treatment facilities. Refer also to **Issue XVIII.a** herein.*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project would not require or result in the construction or expansion of any storm water drainage facilities.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? In making this determination, the Lead Agency shall consider whether the project is subject to the water supply assessment requirements of Water Code Section 10910 <i>et seq</i> (SB 610), and the requirements of Government Code Section 66473.7 (SB 221).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project does not meet the definition of a "project" as set forth in Section 10912 of the Water Code, and is therefore not subject to the water supply assessment requirements of Water Code Section 10910 *et seq* (SB 610). Further, the Project is not a "subdivision" pursuant to Government Code Section 66473.7 (SB 221) and is therefore not subject to the provisions of Government Code Section 66473 *et seq*.*



Water needed during Project construction is available from DWA's existing supplies and facilities. Operation of the Project involves filtration of the existing water supply sourced from Snow Creek prior to the water entering the potable distribution system.

Issue XVIII. Utilities and Service Systems (Continued)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project will not generate sanitary wastewater.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Project operation would not generate solid waste. Small quantities of solid waste may be generated during Project construction; however, said quantities of solid waste would be minimal and would be accommodated by a local landfill.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Would the project comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*The Project will comply with all federal, state, and local statutes and regulations related to solid waste. Refer also to **Issue XVIII.f** herein.*

Issue XIX. Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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, substantially 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Biological Resources

*As described in **Issue IV** herein, the Project is located on DWA's existing SCPP site, and the Project site is not located on or adjacent to any significant biological resources. Based on the 2013 and 2018 reports by CMBC, and for the reasons described in **Issue IV** herein, the Project does not 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, or substantially reduce the number or restrict the range of a rare or endangered plant or animal.*

Archaeological and Historical Resources

*The Project will be located on DWA's existing SCPP site. Previous archaeological/historical assessments conducted in the Project area, as described in **Issues V.a and V.b** herein, concluded that there are no historical or archaeological resources located on the Project site. Because it is possible that buried archaeological resources may be encountered during ground-disturbing activities associated with construction of the Project, contract documents will contain protective stipulations for any archaeological resources uncovered during construction activities to ensure that the Project will not result in any significant adverse impacts upon archaeological resources. Specifically, Mitigation Measure CUL-1, as described below and as set forth in the Project's Mitigation Monitoring and Reporting Program attached to the Mitigated Negative Declaration in **Appendix A** herein, will be implemented for the Project. With incorporation of Mitigation Measure CUL-1, the Project would not result in a substantial adverse change in the significance of an archaeological resource.*

Mitigation Measure CUL-1: In the event that any archaeological resources are uncovered during Project construction, all work in the area will be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the find. If an archaeological resource uncovered during Project construction is determined to be significant, then the resource will be treated in an appropriate manner as determined by a qualified archaeologist and DWA.



Paleontological Resources

As described in **Issue V.c** herein, the Project area is identified by the Riverside County "Map My County" online information system as an area having low paleontological sensitivity. No paleontological resources are expected to be present on the Project site; however, contract documents will contain protective stipulations for any paleontological resources uncovered during construction activities to ensure that the Project will not result in any significant adverse impacts upon paleontological resources. Examples of such stipulations are:

- If any potential paleontological resources are uncovered during Project construction, all work in the vicinity of the discovery shall be halted until a qualified paleontologist can evaluate the nature and significance of the finds.
- If a qualified paleontologist determines that a specimen uncovered during Project construction is potentially significant, then all future ground-disturbing actions associated with the Project will be monitored by a qualified paleontological monitor.
- Specimens recovered from the Project site by the qualified paleontological monitor will be identified and curated at a repository with permanent retrievable storage that will allow for additional research in the future.

Issue XIX. Mandatory Findings of Significance (Continued)

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.)	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The Project would not result in any impacts that are individually limited but cumulatively considerable.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

None of the environmental effects of the Project would cause substantial adverse effects on human beings.

PART 3
REFERENCES AND SOURCES



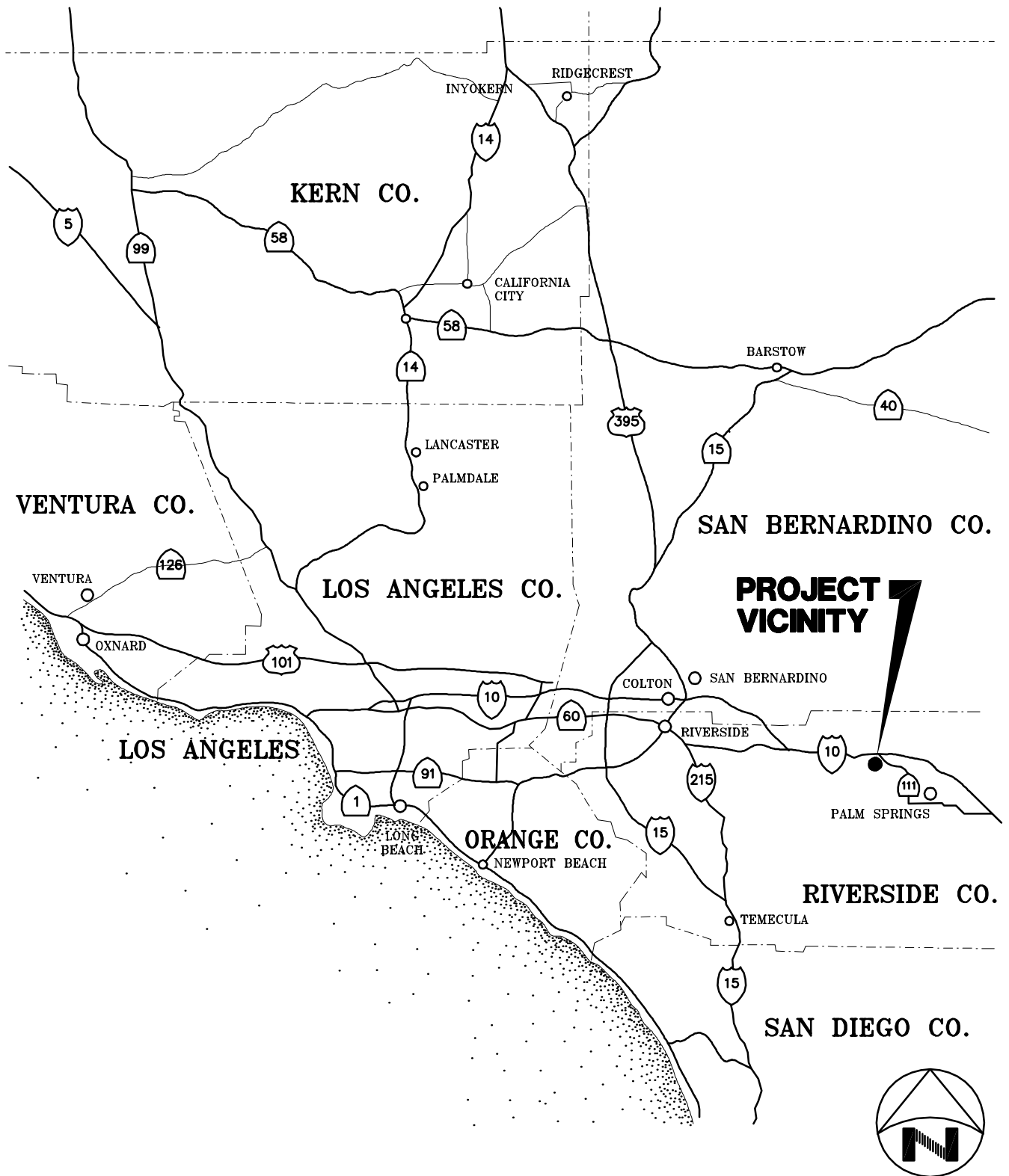
PART 3 - REFERENCES AND SOURCES

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- California Department of Toxic Substances Control Website, EnviroStor Database, www.envirostor.dtsc.ca.gov/public
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- United States Environmental Protection Agency Website for National Ambient Air Quality Standards, www.epa.gov/criteria-air-pollutants
- Western Regional Climate Center Website, www.wrcc.dri.edu

FIGURES



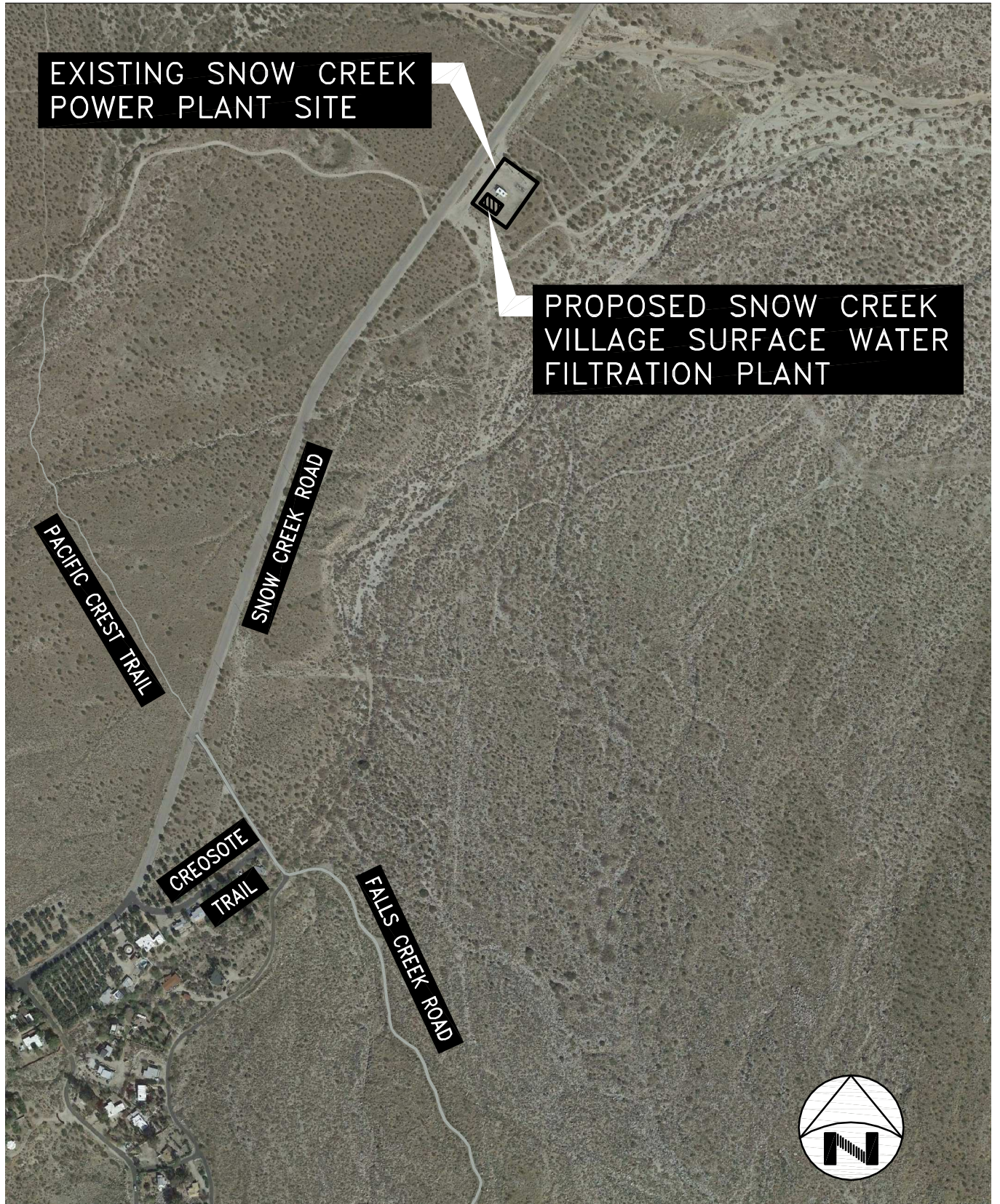
K&S KRIEGER & STEWART
Engineering Consultants
3602 University Avenue • Riverside, CA 92501
www.kriegerandstewart.com • 951 • 684 • 6900

DESERT WATER AGENCY
SNOW CREEK VILLAGE SURFACE WATER FILTRATION PLANT
PROJECT VICINITY

FIGURE
1
OF 2

SCALE: N.T.S. DATE: 02/07/19 DRAWN BY: MRN CHECKED BY: VEM W.O.: 101-48.10

101-48p10f1_is.dwg



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DESERT WATER AGENCY

SNOW CREEK VILLAGE SURFACE WATER FILTRATION PLANT

PROJECT LOCATION

FIGURE

2

OF 2

SCALE: 1"=500'±

DATE: 02/07/19

DRAWN BY: MRN

CHECKED BY: VEM

W.O.: 101-48.10

101-48p10f2_is.dwg

APPENDIX A

**DRAFT MITIGATED NEGATIVE DECLARATION
AND
MITIGATION MONITORING AND REPORTING PROGRAM**

MITIGATED NEGATIVE DECLARATION

1. Name or description of project:	The Snow Creek Village Surface Water Filtration Plant Project (the Project) consists of the construction and operation of a surface water filtration plant that will filter water sourced from Snow Creek.
2. Project Location – Identify street address and cross streets or attach a map showing project site (preferably a USGS 15' or 7 1/2' topographical map identified by quadrangle name):	The Project is located on the existing Snow Creek Hydroelectric Power Plant site, which is on Snow Creek Road on Assessor's Parcel Number 522-100-018, in Snow Creek Canyon on the northerly slopes of the San Jacinto Mountains, in Riverside County, California.
3. Entity or Person undertaking project:	Desert Water Agency
<p>The Lead Agency, having reviewed the Initial Study of this proposed project, having reviewed the written comments received prior to the public meeting of the Lead Agency, and having reviewed the recommendation of the Lead Agency's Staff, does hereby find and declare that the proposed project will not have a significant effect on the environment. A brief statement of the reasons supporting the Lead Agency's findings are as follows:</p> <p>Construction and operation of the Project will not result in significant adverse impacts upon any threatened or endangered species of plants or animals, nor will it result in damage to or destruction of any significant examples of California history or prehistory. Potential impacts to archaeological resources and tribal cultural resources will be prevented by adhering to the terms of a Mitigation Monitoring and Reporting Program (see Exhibit A, attached, which is incorporated herein by reference) during construction of the Project.</p>	
<p>The Lead Agency hereby finds that the Mitigated Negative Declaration reflects its independent judgment. A copy of the Initial Study is attached, may be viewed at the offices of Desert Water Agency at the address listed below, and is available for viewing online at www.dwa.org.</p>	
<p>The location and custodian of the documents and any other material which constitute the record of proceedings upon which the Lead Agency based its decision to adopt this Mitigated Negative Declaration are as follows:</p> <p>Desert Water Agency 1200 South Gene Autry Trail Palm Springs, CA 92264 (760) 323-4971</p>	

Date Received
for Filing: _____

Staff

MITIGATION MONITORING AND REPORTING PROGRAM
EXHIBIT A TO THE MITIGATED NEGATIVE DECLARATION

Section I – Introduction

Section 21081.6 of the California Environmental Quality Act (CEQA) requires that a mitigation monitoring program be prepared prior to the approval of any project which incorporates mitigation measures as a condition of approval. Mitigation measures are generally adopted to reduce the potentially significant adverse environmental impacts of a project to a level that is less than significant. The mitigation monitoring program must ensure compliance with mitigation measures during project construction (and, if applicable, during project operation). Since the project considered by the Initial Study for Desert Water Agency's Snow Creek Village Surface Water Filtration Plant (the Project) incorporates mitigation measures as a condition of approval, this mitigation monitoring and reporting program has been prepared and incorporated into the Mitigated Negative Declaration for the Project.

Section II – Archaeological Resources Mitigation Measures and Mitigation Monitoring and Reporting Program

As discussed in Issue IV of the Project Initial Study, there is a potential for buried archaeological resources to be present at the Project site. Without mitigation, the Project could potentially result in significant adverse impacts upon such resources, if present at the Project site. This Mitigation Monitoring and Reporting Program is intended to reduce potential impacts by the Project upon archaeological resources by specifying methods and procedures for avoiding or reducing such impacts.

The following mitigation measure (**CUL-1**) will be implemented in order to ensure that construction and operation of Project facilities do not result in a significant adverse impact upon archaeological resources. Each measure is attended by a notation of the party responsible for its implementation and of the period for which it will be in effect.

CUL-1: Archaeological Resources

In the event that any archaeological resources are uncovered during Project construction, all work in the area will be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the find. If an archaeological resource uncovered during Project construction is

determined to be significant, then the resource will be treated in an appropriate manner as determined by a qualified archaeologist and DWA.

Responsible Party: Project Manager

Implementation Period: Throughout Project Construction

Section III – Tribal Cultural Resources Mitigation Measures and Mitigation Monitoring and Reporting Program

As discussed in Issue XVII of the Project Initial Study, DWA is consulting with the Agua Caliente Band of Cahuilla Indians and with the Morongo Band of Mission Indians (Morongo), collectively referred to herein as the Tribes. This Mitigation Monitoring and Reporting Program is intended to reduce the potential for impacts by the Project upon tribal cultural resources by specifying methods and procedures for avoiding or reducing such impacts.

The following mitigation measures (**TCR-1** through **TCR-3**) will be implemented in order to ensure that construction of Project facilities does not result in significant adverse impacts upon tribal cultural resources. Each measure is attended by a notation of the party responsible for its implementation and of the period for which it will be in effect.

TCR-1: Human Remains or Funerary Objects

If human remains or funerary objects are encountered during any activities associated with the Project, all work in the immediate vicinity of the find (within a 100-foot buffer of the find) will cease and DWA will contact the Riverside County Coroner, pursuant to California Health and Safety Code Section 7050.5. The Project will fully comply with California Health and Safety Code Section 7050.5.

Responsible Party: Project Manager

Implementation Period: During and After Ground Disturbing Activities

TCR-2: Cultural Resources

In the event that Native American cultural resources are discovered during Project activities, all work in the immediate vicinity of the find (within a 60-foot radius of the find) will cease, and a

qualified archaeologist, meeting Secretary of the Interior (SOI) standards, will be hired to assess the find. Work on the other portions of the Project, outside the specified buffer area, may continue while the assessment is taking place. Additionally, DWA will contact the Tribes if any such find occurs, will provide the Tribes with information, and will permit the Tribes to perform a site visit to provide Tribal input while the archaeologist is making his or her assessment.

Responsible Party: Project Manager

Implementation Period: During and After Ground Disturbing Activities

TCR-3: Treatment and Disposition of Remains

If significant Native American historical resources, as defined by CEQA, are discovered and avoidance cannot be assured, an SOI-qualified archaeologist will be retained to develop a cultural resources treatment plan, as well as a discovery and monitoring plan, the drafts of which will be provided to the Tribes for review and comment.

All in-field investigations, assessments, and/or data recovery enacted pursuant to the finalized treatment plan will be monitored by a qualified archaeologist, and DWA will permit the Tribes to have representatives present during such investigations, assessments, and data recovery taking place on the Project site.

DWA will consult in good faith with the Tribes on the disposition and treatment of any artifacts or other cultural materials encountered during the Project.

Responsible Party: Project Manager

Implementation Period: During and After Ground Disturbing Activities

APPENDIX B

BIOLOGICAL RESOURCES ASSESSMENTS



CIRCLE MOUNTAIN BIOLOGICAL CONSULTANTS, INC.

P.O. BOX 3197, WRIGHTWOOD, CA 92397

PHONE/FAX: (760) 249-4948

Email: sharon_dougherty@circlemountainbiological.com
ed.larue@verizon.net

Website: <http://www.circlemountainbiological.com>

14 November 2018
(Revised 19 January 2019)

Mr. Steve Johnson
Desert Water Agency
1200 S Gene Autry Trail
Palm Springs, California 92264

RE: Results of Updated Biological Surveys on APN 522-100-018

Dear Mr. Johnson,

At the request of the Desert Water Agency, I revisited a 1-acre± property near the community of Snow Valley, Riverside County, California on 11 November 2018. The visit was a resurvey of the parcel and adjacent areas to update our “Focused Survey for Agassiz’s Land Tortoise, Habitat Evaluation for Burrowing Owl, and General Biological Resource Assessment for a 1-acre± Site (APN 522-100-018) near the Community of Snow Creek, Riverside County, California,” completed in December of 2013 (Circle Mountain Biological Consultants, Inc. 2013). This letter is intended to document the results of the current survey and provide a supplement to the original report.

Please note that the pipeline route, which is located within the Snow Creek roadway, was not surveyed during this effort. Since recent protocols (USFWS 2017) do not include zone-of-influence surveys, it was not considered necessary to repeat surveys of areas adjacent to the pipeline route. These areas will not be directly affected by the project.

For **Agassiz’s desert tortoise**, the presence-absence survey protocol first developed by the USFWS (1992) and recently revised (USFWS 2017) was followed, with modification. USFWS (2017) protocol recommends surveying transects at 10-meter intervals throughout all portions of a given parcel and its associated action area. Since the site is smaller than 500 acres, it may be surveyed year-round (USFWS 2017).

For **burrowing owl**, the CDFG (2012) survey protocol recommends transects be surveyed at 30-meter intervals throughout a given site, with five additional transects surveyed at 30-meter intervals out to 150 meters in adjacent areas in potential habitat (i.e., excluding areas substantially

developed for commercial, residential, and/or industrial purposes). With its narrower transect intervals, the tortoise survey is sufficient to cover the site for burrowing owl. The focus of the survey is to find and inspect all burrows sufficiently large to be used by burrowing owls. Importantly, this methodology is considered a formal *habitat assessment* for presence of burrowing owls, which can be conducted any time of the year.

The site itself is fenced, has been graded, cleared and graveled, and a small building is present. Due to this level of development, it is not considered appropriate habitat for Agassiz's desert tortoise or burrowing owl, and transects inside the fenced area were considered unnecessary and were not completed. (See photos, pages 4 and 5.) Instead, a series of five transects, as described above for burrowing owl, were completed between 1000 and 1245 on 11 November 2018. (See Figure 1, p. 3.)

No evidence of desert tortoise or burrowing owl was found during these surveys. No burrows of a size appropriate for burrowing owl were detected. No other special-status species were detected. No plant species not recorded in the original 2013 surveys were detected. A red-tailed hawk (*Buteo jamaicensis*) was observed, and two mountain lion (*Felis concolor*) scat, were additions to the animal species list generated from the 2013 surveys. The mountain lion scat may indicate that the area is used as a corridor between the San Jacinto Mountains and the nearby San Bernardino Mountain range.

Habitat conditions were essentially unchanged from the previous survey, and CMBC has no additional recommendations.

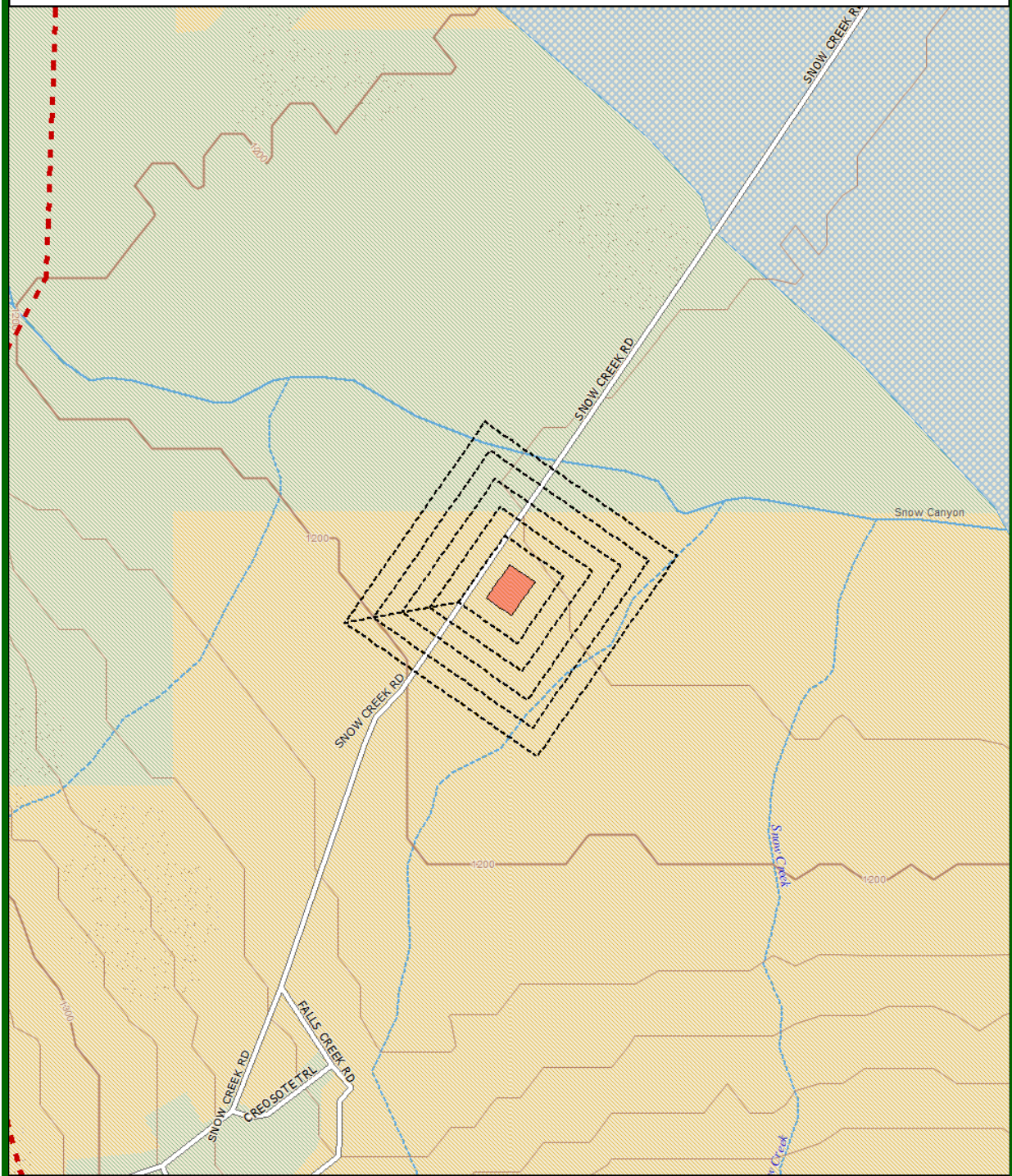
Please forward this letter along with a copy of the original report to appropriate agencies (i.e., US Fish and Wildlife Service, California Department of Fish and Wildlife) as needed. Please contact us if you have any questions.

Sincerely,



Sharon Dougherty
Circle Mountain Biological Consultants, Inc.

Figure 1. APN 522-100-018: Site Map with Transect Locations



Map Produced by Circle Mountain Biological Consultants, Inc. November 2018



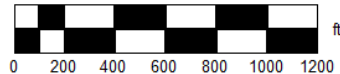
Data use subject to license.

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www.delorme.com



MN (11.5° E)



Data Zoom 14-6



Exhibit 1. NE corner of parcel, facing SW



Exhibit 2. NW corner of parcel, facing SE



Exhibit 3. SW corner of parcel, facing NE



Exhibit 4. SE corner of parcel, facing NW

APPENDIX C

CALIFORNIA EMISSIONS ESTIMATOR MODEL PRINTOUTS OF MODEL OUTPUTS FOR PROJECT (CALEEMOD Version 2016.3.2)

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

Filtration Plant - Snow Creek Village Water Filtration Plant
Riverside-Salton Sea County, Winter**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	1.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

Project Characteristics -

Land Use - Estimate one acre of disturbed site area for construction of filtration plant.

Construction Phase - Construction duration for the filtration plant is approximately nine months.

Off-road Equipment - Equipment type and amounts are based on the equipment needed for construction of the filtration plant.

Trips and VMT - Based on estimated worker, vendor, and hauling trips, and conservative assumption of mileage needed for round-trip travel from Palm Springs area.

On-road Fugitive Dust - Assumes that workers and vendors will drive on streets with the exception of parking on the unpaved SSCP site and along the side of Snow Creek Road.

Road Dust - Assume that 5% of total driving for ongoing operation and maintenance will be on unpaved surfaces.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - Assume one off-highway truck as a maintenance vehicle to visit the site during ongoing operation, conservatively assume 8 hours per day.

Vehicle Trips - Assume one maintenance vehicle trip to the filtration plant site daily for ongoing operation.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	100.00	180.00
tblConstructionPhase	PhaseEndDate	1/17/2020	5/8/2020
tblLandUse	LotAcreage	0.00	1.00
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	100	95
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.20	60.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripLength	14.60	60.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblVehicleTrips	CC_TL	6.20	60.00
tblVehicleTrips	WD_TR	0.00	1.00

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

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					
2019	6.2414	58.5477	42.2186	0.0999	0.5680	2.7456	3.3136	0.1531	2.5671	2.7201	0.0000	9,813.3088	9,813.3088	2.5999	0.0000	9,878.3070
2020	5.7640	52.6366	41.0154	0.0998	0.5679	2.4255	2.9934	0.1530	2.2671	2.4201	0.0000	9,625.2950	9,625.2950	2.5862	0.0000	9,689.9508
Maximum	6.2414	58.5477	42.2186	0.0999	0.5680	2.7456	3.3136	0.1531	2.5671	2.7201	0.0000	9,813.3088	9,813.3088	2.5999	0.0000	9,878.3070

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					
2019	6.2414	58.5477	42.2186	0.0999	0.5680	2.7456	3.3136	0.1531	2.5671	2.7201	0.0000	9,813.3088	9,813.3088	2.5999	0.0000	9,878.3070
2020	5.7640	52.6366	41.0154	0.0998	0.5679	2.4255	2.9934	0.1530	2.2671	2.4201	0.0000	9,625.2950	9,625.2950	2.5862	0.0000	9,689.9508
Maximum	6.2414	58.5477	42.2186	0.0999	0.5680	2.7456	3.3136	0.1531	2.5671	2.7201	0.0000	9,813.3088	9,813.3088	2.5999	0.0000	9,878.3070

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Offroad	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.622 0	1,278.622 0	0.4135		1,288.960 3
Total	0.6631	6.3227	3.8101	0.0132	0.0000	0.2304	0.2304	0.0000	0.2119	0.2119		1,278.622 0	1,278.622 0	0.4135	0.0000	1,288.960 3

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

2.2 Overall Operational**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Offroad	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.6220	1,278.6220	0.4135		1,288.9603
Total	0.6631	6.3227	3.8101	0.0132	0.0000	0.2304	0.2304	0.0000	0.2119	0.2119		1,278.6220	1,278.6220	0.4135	0.0000	1,288.9603

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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 Construction	Building Construction	9/2/2019	5/8/2020	5	180	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

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 Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	4	8.00	402	0.38
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50
Building Construction	Welders	1	8.00	46	0.45

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 Construction	16	10.00	2.00	2.00	60.00	60.00	60.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

3.2 Building Construction - 2019**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	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509		9,047.727 4	9,047.727 4	2.5796		9,112.218 1
Total	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509		9,047.727 4	9,047.727 4	2.5796		9,112.218 1

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	1.4000e-004	6.2000e-003	8.7000e-004	2.0000e-005	1.0500e-003	3.0000e-005	1.0800e-003	2.8000e-004	3.0000e-005	3.0000e-004		2.3483	2.3483	9.0000e-005		2.3507
Vendor	0.0322	0.9175	0.1804	3.3600e-003	0.1110	0.0144	0.1253	0.0319	0.0138	0.0457		353.6693	353.6693	9.7700e-003		353.9135
Worker	0.1822	0.1314	1.3068	4.1100e-003	0.4559	2.6200e-003	0.4585	0.1209	2.4100e-003	0.1233		409.5639	409.5639	0.0104		409.8248
Total	0.2146	1.0551	1.4880	7.4900e-003	0.5680	0.0170	0.5850	0.1531	0.0162	0.1692		765.5815	765.5815	0.0203		766.0890

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

3.2 Building Construction - 2019**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	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509	0.0000	9,047.727 4	9,047.727 4	2.5796		9,112.218 1
Total	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509	0.0000	9,047.727 4	9,047.727 4	2.5796		9,112.218 1

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	1.4000e-004	6.2000e-003	8.7000e-004	2.0000e-005	1.0500e-003	3.0000e-005	1.0800e-003	2.8000e-004	3.0000e-005	3.0000e-004		2.3483	2.3483	9.0000e-005		2.3507
Vendor	0.0322	0.9175	0.1804	3.3600e-003	0.1110	0.0144	0.1253	0.0319	0.0138	0.0457		353.6693	353.6693	9.7700e-003		353.9135
Worker	0.1822	0.1314	1.3068	4.1100e-003	0.4559	2.6200e-003	0.4585	0.1209	2.4100e-003	0.1233		409.5639	409.5639	0.0104		409.8248
Total	0.2146	1.0551	1.4880	7.4900e-003	0.5680	0.0170	0.5850	0.1531	0.0162	0.1692		765.5815	765.5815	0.0203		766.0890

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

3.2 Building Construction - 2020**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	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554		8,875.412 1	8,875.412 1	2.5678		8,939.605 8
Total	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554		8,875.412 1	8,875.412 1	2.5678		8,939.605 8

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	1.3000e-004	5.6400e-003	8.3000e-004	2.0000e-005	9.9000e-004	2.0000e-005	1.0200e-003	2.6000e-004	2.0000e-005	2.8000e-004		2.3226	2.3226	9.0000e-005		2.3249
Vendor	0.0252	0.7585	0.1527	3.3300e-003	0.1110	9.7400e-003	0.1207	0.0319	9.3100e-003	0.0412		350.9730	350.9730	9.1300e-003		351.2013
Worker	0.1694	0.1171	1.1858	3.9800e-003	0.4559	2.5700e-003	0.4585	0.1209	2.3600e-003	0.1232		396.5874	396.5874	9.2600e-003		396.8189
Total	0.1947	0.8813	1.3394	7.3300e-003	0.5679	0.0123	0.5802	0.1530	0.0117	0.1647		749.8830	749.8830	0.0185		750.3450

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

3.2 Building Construction - 2020**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	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554	0.0000	8,875.412 1	8,875.412 1	2.5678		8,939.605 8
Total	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554	0.0000	8,875.412 1	8,875.412 1	2.5678		8,939.605 8

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	1.3000e-004	5.6400e-003	8.3000e-004	2.0000e-005	9.9000e-004	2.0000e-005	1.0200e-003	2.6000e-004	2.0000e-005	2.8000e-004		2.3226	2.3226	9.0000e-005		2.3249
Vendor	0.0252	0.7585	0.1527	3.3300e-003	0.1110	9.7400e-003	0.1207	0.0319	9.3100e-003	0.0412		350.9730	350.9730	9.1300e-003		351.2013
Worker	0.1694	0.1171	1.1858	3.9800e-003	0.4559	2.5700e-003	0.4585	0.1209	2.3600e-003	0.1232		396.5874	396.5874	9.2600e-003		396.8189
Total	0.1947	0.8813	1.3394	7.3300e-003	0.5679	0.0123	0.5802	0.1530	0.0117	0.1647		749.8830	749.8830	0.0185		750.3450

4.0 Operational Detail - Mobile

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

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
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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
User Defined Industrial	13.80	60.00	6.20	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.538064	0.038449	0.184390	0.122109	0.017402	0.005339	0.017250	0.067711	0.001365	0.001213	0.004629	0.000959	0.001120

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas 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

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

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					
User Defined Industrial	0	0.0000	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

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					
User Defined Industrial	0	0.0000	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

6.0 Area Detail**6.1 Mitigation Measures Area**

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

	ROG	NOx	CO	SO2	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
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

6.2 Area by SubCategory**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

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
Off-Highway Trucks	1	8.00	260	402	0.38	Diesel

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Winter

UnMitigated/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
Equipment Type	lb/day										lb/day					
Off-Highway Trucks	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.6220	1,278.6220	0.4135		1,288.9603
Total	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.6220	1,278.6220	0.4135		1,288.9603

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

Filtration Plant - Snow Creek Village Water Filtration Plant
Riverside-Salton Sea County, Summer**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	1.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

Project Characteristics -

Land Use - Estimate one acre of disturbed site area for construction of filtration plant.

Construction Phase - Construction duration for the filtration plant is approximately nine months.

Off-road Equipment - Equipment type and amounts are based on the equipment needed for construction of the filtration plant.

Trips and VMT - Based on estimated worker, vendor, and hauling trips, and conservative assumption of mileage needed for round-trip travel from Palm Springs area.

On-road Fugitive Dust - Assumes that workers and vendors will drive on streets with the exception of parking on the unpaved SSCP site and along the side of Snow Creek Road.

Road Dust - Assume that 5% of total driving for ongoing operation and maintenance will be on unpaved surfaces.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - Assume one off-highway truck as a maintenance vehicle to visit the site during ongoing operation, conservatively assume 8 hours per day.

Vehicle Trips - Assume one maintenance vehicle trip to the filtration plant site daily for ongoing operation.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	100.00	180.00
tblConstructionPhase	PhaseEndDate	1/17/2020	5/8/2020
tblLandUse	LotAcreage	0.00	1.00
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	100	95
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.20	60.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripLength	14.60	60.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblVehicleTrips	CC_TL	6.20	60.00
tblVehicleTrips	WD_TR	0.00	1.00

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

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					
2019	6.2321	58.5093	42.5757	0.1004	0.5680	2.7456	3.3135	0.1531	2.5670	2.7201	0.0000	9,862.917 7	9,862.917 7	2.6013	0.0000	9,927.949 1
2020	5.7548	52.6059	41.3416	0.1002	0.5679	2.4255	2.9933	0.1530	2.2670	2.4201	0.0000	9,673.420 0	9,673.420 0	2.5874	0.0000	9,738.104 5
Maximum	6.2321	58.5093	42.5757	0.1004	0.5680	2.7456	3.3135	0.1531	2.5670	2.7201	0.0000	9,862.917 7	9,862.917 7	2.6013	0.0000	9,927.949 1

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					
2019	6.2321	58.5093	42.5757	0.1004	0.5680	2.7456	3.3135	0.1531	2.5670	2.7201	0.0000	9,862.917 7	9,862.917 7	2.6013	0.0000	9,927.949 1
2020	5.7548	52.6059	41.3416	0.1002	0.5679	2.4255	2.9933	0.1530	2.2670	2.4201	0.0000	9,673.420 0	9,673.420 0	2.5874	0.0000	9,738.104 5
Maximum	6.2321	58.5093	42.5757	0.1004	0.5680	2.7456	3.3135	0.1531	2.5670	2.7201	0.0000	9,862.917 7	9,862.917 7	2.6013	0.0000	9,927.949 1

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Offroad	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.622 0	1,278.622 0	0.4135		1,288.960 3
Total	0.6631	6.3227	3.8101	0.0132	0.0000	0.2304	0.2304	0.0000	0.2119	0.2119		1,278.622 0	1,278.622 0	0.4135	0.0000	1,288.960 3

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

2.2 Overall Operational**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Offroad	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.6220	1,278.6220	0.4135		1,288.9603
Total	0.6631	6.3227	3.8101	0.0132	0.0000	0.2304	0.2304	0.0000	0.2119	0.2119		1,278.6220	1,278.6220	0.4135	0.0000	1,288.9603

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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 Construction	Building Construction	9/2/2019	5/8/2020	5	180	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0**

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

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 Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	4	8.00	402	0.38
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50
Building Construction	Welders	1	8.00	46	0.45

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 Construction	16	10.00	2.00	2.00	60.00	60.00	60.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

3.2 Building Construction - 2019**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	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509		9,047.727 4	9,047.727 4	2.5796		9,112.218 1
Total	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509		9,047.727 4	9,047.727 4	2.5796		9,112.218 1

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	1.4000e-004	6.0000e-003	8.1000e-004	2.0000e-005	1.0500e-003	3.0000e-005	1.0800e-003	2.8000e-004	3.0000e-005	3.0000e-004		2.3708	2.3708	9.0000e-005		2.3730
Vendor	0.0318	0.8837	0.1747	3.3800e-003	0.1110	0.0144	0.1253	0.0319	0.0137	0.0456		355.7421	355.7421	9.3000e-003		355.9745
Worker	0.1733	0.1269	1.6696	4.5900e-003	0.4559	2.6200e-003	0.4585	0.1209	2.4100e-003	0.1233		457.0775	457.0775	0.0123		457.3836
Total	0.2053	1.0166	1.8451	7.9900e-003	0.5680	0.0170	0.5849	0.1531	0.0162	0.1692		815.1903	815.1903	0.0216		815.7311

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

3.2 Building Construction - 2019**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	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509	0.0000	9,047.727 4	9,047.727 4	2.5796		9,112.218 1
Total	6.0268	57.4927	40.7305	0.0925		2.7286	2.7286		2.5509	2.5509	0.0000	9,047.727 4	9,047.727 4	2.5796		9,112.218 1

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	1.4000e-004	6.0000e-003	8.1000e-004	2.0000e-005	1.0500e-003	3.0000e-005	1.0800e-003	2.8000e-004	3.0000e-005	3.0000e-004		2.3708	2.3708	9.0000e-005		2.3730
Vendor	0.0318	0.8837	0.1747	3.3800e-003	0.1110	0.0144	0.1253	0.0319	0.0137	0.0456		355.7421	355.7421	9.3000e-003		355.9745
Worker	0.1733	0.1269	1.6696	4.5900e-003	0.4559	2.6200e-003	0.4585	0.1209	2.4100e-003	0.1233		457.0775	457.0775	0.0123		457.3836
Total	0.2053	1.0166	1.8451	7.9900e-003	0.5680	0.0170	0.5849	0.1531	0.0162	0.1692		815.1903	815.1903	0.0216		815.7311

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

3.2 Building Construction - 2020**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	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554		8,875.4121	8,875.4121	2.5678		8,939.6058
Total	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554		8,875.4121	8,875.4121	2.5678		8,939.6058

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	1.3000e-004	5.4700e-003	7.8000e-004	2.0000e-005	9.9000e-004	2.0000e-005	1.0200e-003	2.6000e-004	2.0000e-005	2.8000e-004		2.3451	2.3451	9.0000e-005		2.3472
Vendor	0.0248	0.7319	0.1473	3.3500e-003	0.1110	9.7200e-003	0.1207	0.0319	9.3000e-003	0.0412		353.0426	353.0426	8.6800e-003		353.2596
Worker	0.1606	0.1132	1.5174	4.4400e-003	0.4559	2.5700e-003	0.4585	0.1209	2.3600e-003	0.1232		442.6202	442.6202	0.0109		442.8919
Total	0.1855	0.8506	1.6655	7.8100e-003	0.5679	0.0123	0.5802	0.1530	0.0117	0.1647		798.0079	798.0079	0.0196		798.4987

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

3.2 Building Construction - 2020**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	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554	0.0000	8,875.412 1	8,875.412 1	2.5678		8,939.605 8
Total	5.5693	51.7554	39.6761	0.0924		2.4131	2.4131		2.2554	2.2554	0.0000	8,875.412 1	8,875.412 1	2.5678		8,939.605 8

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	1.3000e-004	5.4700e-003	7.8000e-004	2.0000e-005	9.9000e-004	2.0000e-005	1.0200e-003	2.6000e-004	2.0000e-005	2.8000e-004		2.3451	2.3451	9.0000e-005		2.3472
Vendor	0.0248	0.7319	0.1473	3.3500e-003	0.1110	9.7200e-003	0.1207	0.0319	9.3000e-003	0.0412		353.0426	353.0426	8.6800e-003		353.2596
Worker	0.1606	0.1132	1.5174	4.4400e-003	0.4559	2.5700e-003	0.4585	0.1209	2.3600e-003	0.1232		442.6202	442.6202	0.0109		442.8919
Total	0.1855	0.8506	1.6655	7.8100e-003	0.5679	0.0123	0.5802	0.1530	0.0117	0.1647		798.0079	798.0079	0.0196		798.4987

4.0 Operational Detail - Mobile

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

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
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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
User Defined Industrial	13.80	60.00	6.20	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.538064	0.038449	0.184390	0.122109	0.017402	0.005339	0.017250	0.067711	0.001365	0.001213	0.004629	0.000959	0.001120

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas 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

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

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					
User Defined Industrial	0	0.0000	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

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					
User Defined Industrial	0	0.0000	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

6.0 Area Detail**6.1 Mitigation Measures Area**

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

	ROG	NOx	CO	SO2	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
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

6.2 Area by SubCategory**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

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
Off-Highway Trucks	1	8.00	260	402	0.38	Diesel

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Summer

UnMitigated/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
Equipment Type	lb/day										lb/day					
Off-Highway Trucks	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.6220	1,278.6220	0.4135		1,288.9603
Total	0.6631	6.3227	3.8101	0.0132		0.2304	0.2304		0.2119	0.2119		1,278.6220	1,278.6220	0.4135		1,288.9603

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

Filtration Plant - Snow Creek Village Water Filtration Plant

Riverside-Salton Sea County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	1.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

Project Characteristics -

Land Use - Estimate one acre of disturbed site area for construction of filtration plant.

Construction Phase - Construction duration for the filtration plant is approximately nine months.

Off-road Equipment - Equipment type and amounts are based on the equipment needed for construction of the filtration plant.

Trips and VMT - Based on estimated worker, vendor, and hauling trips, and conservative assumption of mileage needed for round-trip travel from Palm Springs area.

On-road Fugitive Dust - Assumes that workers and vendors will drive on streets with the exception of parking on the unpaved SSCP site and along the side of Snow Creek Road.

Road Dust - Assume that 5% of total driving for ongoing operation and maintenance will be on unpaved surfaces.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - Assume one off-highway truck as a maintenance vehicle to visit the site during ongoing operation, conservatively assume 8 hours per day.

Vehicle Trips - Assume one maintenance vehicle trip to the filtration plant site daily for ongoing operation.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	100.00	180.00
tblConstructionPhase	PhaseEndDate	1/17/2020	5/8/2020
tblLandUse	LotAcreage	0.00	1.00
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	100	95
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.20	60.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripLength	14.60	60.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblVehicleTrips	CC_TL	6.20	60.00
tblVehicleTrips	WD_TR	0.00	1.00

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

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					
2019	0.2707	2.5474	1.8399	4.3500e-003	0.0243	0.1194	0.1437	6.5600e-003	0.1117	0.1182	0.0000	387.7266	387.7266	0.1026	0.0000	390.2917
2020	0.2673	2.4482	1.9105	4.6400e-003	0.0260	0.1128	0.1388	7.0100e-003	0.1054	0.1124	0.0000	406.5213	406.5213	0.1091	0.0000	409.2489
Maximum	0.2707	2.5474	1.9105	4.6400e-003	0.0260	0.1194	0.1437	7.0100e-003	0.1117	0.1182	0.0000	406.5213	406.5213	0.1091	0.0000	409.2489

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					
2019	0.2707	2.5474	1.8399	4.3500e-003	0.0243	0.1194	0.1437	6.5600e-003	0.1117	0.1182	0.0000	387.7262	387.7262	0.1026	0.0000	390.2913
2020	0.2673	2.4482	1.9105	4.6400e-003	0.0260	0.1128	0.1388	7.0100e-003	0.1054	0.1124	0.0000	406.5209	406.5209	0.1091	0.0000	409.2484
Maximum	0.2707	2.5474	1.9105	4.6400e-003	0.0260	0.1194	0.1437	7.0100e-003	0.1117	0.1182	0.0000	406.5209	406.5209	0.1091	0.0000	409.2484

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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)
1	9-2-2019	12-1-2019	2.1052	2.1052
2	12-2-2019	3-1-2020	1.9665	1.9665
3	3-2-2020	6-1-2020	1.4178	1.4178
		Highest	2.1052	2.1052

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Offroad	0.0862	0.8220	0.4953	1.7200e-003		0.0300	0.0300		0.0276	0.0276	0.0000	150.7930	150.7930	0.0488	0.0000	152.0123
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0862	0.8220	0.4953	1.7200e-003	0.0000	0.0300	0.0300	0.0000	0.0276	0.0276	0.0000	150.7930	150.7930	0.0488	0.0000	152.0123

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

2.2 Overall Operational**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Offroad	0.0862	0.8220	0.4953	1.7200e-003		0.0300	0.0300		0.0276	0.0276	0.0000	150.7930	150.7930	0.0488	0.0000	152.0123
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0862	0.8220	0.4953	1.7200e-003	0.0000	0.0300	0.0300	0.0000	0.0276	0.0276	0.0000	150.7930	150.7930	0.0488	0.0000	152.0123

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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 Construction	Building Construction	9/2/2019	5/8/2020	5	180	

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

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 Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	4	8.00	402	0.38
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50
Building Construction	Welders	1	8.00	46	0.45

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 Construction	16	10.00	2.00	2.00	60.00	60.00	60.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

Water Exposed Area

3.2 Building Construction - 2019**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	0.2622	2.5009	1.7718	4.0200e-003		0.1187	0.1187		0.1110	0.1110	0.0000	357.0463	357.0463	0.1018	0.0000	359.5912
Total	0.2622	2.5009	1.7718	4.0200e-003		0.1187	0.1187		0.1110	0.1110	0.0000	357.0463	357.0463	0.1018	0.0000	359.5912

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	1.0000e-005	2.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0932	0.0932	0.0000	0.0000	0.0933
Vendor	1.3900e-003	0.0403	7.7100e-003	1.5000e-004	4.7600e-003	6.2000e-004	5.3900e-003	1.3700e-003	6.0000e-004	1.9700e-003	0.0000	14.0041	14.0041	3.7000e-004	0.0000	14.0135
Worker	7.1800e-003	5.9300e-003	0.0604	1.8000e-004	0.0195	1.1000e-004	0.0196	5.1800e-003	1.0000e-004	5.2800e-003	0.0000	16.5830	16.5830	4.3000e-004	0.0000	16.5937
Total	8.5800e-003	0.0465	0.0681	3.3000e-004	0.0243	7.3000e-004	0.0251	6.5600e-003	7.0000e-004	7.2600e-003	0.0000	30.6804	30.6804	8.0000e-004	0.0000	30.7005

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

3.2 Building Construction - 2019**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	0.2622	2.5009	1.7718	4.0200e-003		0.1187	0.1187		0.1110	0.1110	0.0000	357.0458	357.0458	0.1018	0.0000	359.5908
Total	0.2622	2.5009	1.7718	4.0200e-003		0.1187	0.1187		0.1110	0.1110	0.0000	357.0458	357.0458	0.1018	0.0000	359.5908

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	1.0000e-005	2.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0932	0.0932	0.0000	0.0000	0.0933
Vendor	1.3900e-003	0.0403	7.7100e-003	1.5000e-004	4.7600e-003	6.2000e-004	5.3900e-003	1.3700e-003	6.0000e-004	1.9700e-003	0.0000	14.0041	14.0041	3.7000e-004	0.0000	14.0135
Worker	7.1800e-003	5.9300e-003	0.0604	1.8000e-004	0.0195	1.1000e-004	0.0196	5.1800e-003	1.0000e-004	5.2800e-003	0.0000	16.5830	16.5830	4.3000e-004	0.0000	16.5937
Total	8.5800e-003	0.0465	0.0681	3.3000e-004	0.0243	7.3000e-004	0.0251	6.5600e-003	7.0000e-004	7.2600e-003	0.0000	30.6804	30.6804	8.0000e-004	0.0000	30.7005

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

3.2 Building Construction - 2020**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	0.2590	2.4066	1.8449	4.3000e-003		0.1122	0.1122		0.1049	0.1049	0.0000	374.4012	374.4012	0.1083	0.0000	377.1091
Total	0.2590	2.4066	1.8449	4.3000e-003		0.1122	0.1122		0.1049	0.1049	0.0000	374.4012	374.4012	0.1083	0.0000	377.1091

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	1.0000e-005	2.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0985	0.0985	0.0000	0.0000	0.0986
Vendor	1.1500e-003	0.0356	6.9600e-003	1.6000e-004	5.0900e-003	4.5000e-004	5.5400e-003	1.4700e-003	4.3000e-004	1.9000e-003	0.0000	14.8561	14.8561	3.7000e-004	0.0000	14.8655
Worker	7.1200e-003	5.6500e-003	0.0586	1.9000e-004	0.0209	1.2000e-004	0.0210	5.5300e-003	1.1000e-004	5.6400e-003	0.0000	17.1655	17.1655	4.1000e-004	0.0000	17.1756
Total	8.2800e-003	0.0415	0.0656	3.5000e-004	0.0260	5.7000e-004	0.0266	7.0100e-003	5.4000e-004	7.5500e-003	0.0000	32.1201	32.1201	7.8000e-004	0.0000	32.1397

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

3.2 Building Construction - 2020**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	0.2590	2.4066	1.8449	4.3000e-003		0.1122	0.1122		0.1049	0.1049	0.0000	374.4007	374.4007	0.1083	0.0000	377.1087
Total	0.2590	2.4066	1.8449	4.3000e-003		0.1122	0.1122		0.1049	0.1049	0.0000	374.4007	374.4007	0.1083	0.0000	377.1087

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	1.0000e-005	2.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0985	0.0985	0.0000	0.0000	0.0986
Vendor	1.1500e-003	0.0356	6.9600e-003	1.6000e-004	5.0900e-003	4.5000e-004	5.5400e-003	1.4700e-003	4.3000e-004	1.9000e-003	0.0000	14.8561	14.8561	3.7000e-004	0.0000	14.8655
Worker	7.1200e-003	5.6500e-003	0.0586	1.9000e-004	0.0209	1.2000e-004	0.0210	5.5300e-003	1.1000e-004	5.6400e-003	0.0000	17.1655	17.1655	4.1000e-004	0.0000	17.1756
Total	8.2800e-003	0.0415	0.0656	3.5000e-004	0.0260	5.7000e-004	0.0266	7.0100e-003	5.4000e-004	7.5500e-003	0.0000	32.1201	32.1201	7.8000e-004	0.0000	32.1397

4.0 Operational Detail - Mobile

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

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
User Defined Industrial	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
User Defined Industrial	13.80	60.00	6.20	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.538064	0.038449	0.184390	0.122109	0.017402	0.005339	0.017250	0.067711	0.001365	0.001213	0.004629	0.000959	0.001120

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

[illegible]

6.2 Area by SubCategory

Unmitigated

[illegible]

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

6.2 Area by SubCategory**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					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	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

7.0 Water Detail**7.1 Mitigation Measures Water**

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Filtration Plant - Snow Creek Village Water Filtration Plant - Riverside-Salton Sea County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Trucks	1	8.00	260	402	0.38	Diesel

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Off-Highway Trucks	0.0862	0.8220	0.4953	1.7200e-003		0.0300	0.0300		0.0276	0.0276	0.0000	150.7930	150.7930	0.0488	0.0000	152.0123
Total	0.0862	0.8220	0.4953	1.7200e-003		0.0300	0.0300		0.0276	0.0276	0.0000	150.7930	150.7930	0.0488	0.0000	152.0123

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation