

# Notice of Determination

## Appendix D

**To:**

Office of Planning and Research  
 U.S. Mail: Street Address:  
 P.O. Box 3044 1400 Tenth St., Rm 113  
 Sacramento, CA 95812-3044 Sacramento, CA 95814

County Clerk  
 County of: Los Angeles  
 Address: 12400 Imperial Highway  
Norwalk, CA 90650

**From:**

Public Agency: Water Replenishment District  
 Address: 4040 Paramount Blvd.  
Lakewood, CA 90712

Contact: Ken Ortega, Assistant General Mgr.  
 Phone: 562-921-5521

THIS NOTICE WAS POSTED

Lead Agency (if diffe ON February 07 2017

Address: \_\_\_\_\_ UNTIL March 09 2017

Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_ REGISTRAR - RECORDER/COUNTY CLERK

**SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.**

State Clearinghouse Number (if submitted to State Clearinghouse): \_\_\_\_\_

Project Title: Construction of Wellhead Treatment Unit for Lynwood Well 11

Project Applicant: Water Replenishment District

Project Location (include county): City of Lynwood, 11646 Bellinger Street, Los Angeles County

Project Description:

The Lynwood wellhead treatment facility will utilize a Liquid Phase Granular Activated Carbon (GAC) system. The system will have the capacity to treat the full flow of the Lynwood Well 11.

**2017 031511**  
  
**FILED**  
 Feb 07 2017  
 Dean C. Logan, Registrar - Recorder/County Clerk  
 Electronically signed by LILIA MURGUIA

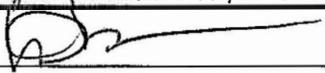
This is to advise that the Water Replenishment District has approved the above  
 ( Lead Agency or  Responsible Agency)

described project on February 2, 2017 and has made the following determinations regarding the above  
 (date)  
 described project.

1. The project [ will  will not] have a significant effect on the environment.
2.  An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.  
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [ were  were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [ was  was not] adopted for this project.
5. A statement of Overriding Considerations [ was  was not] adopted for this project.
6. Findings [ were  were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval, or the negative Declaration, is available to the General Public at:

Water Replenishment District, 4040 Paramount Blvd., Lakewood, CA 90712

Signature (Public Agency):  Title: Assistant General Manager

Date: 2/6/17 Date Received for filing at OPR: \_\_\_\_\_

**NEGATIVE DECLARATION****WATER REPLENISHMENT DISTRICT  
OF SOUTHERN CALIFORNIA  
SAFE DRINKING WATER PROGRAM AT LYNWOOD WELL 11****PROJECT NAME**

Construction of Wellhead Treatment Unit for Lynwood Well 11

**ENTITY UNDERTAKING PROJECT**

Water Replenishment District of Southern California.

**LOCATION**

The Lynwood well site is located in the City of Lynwood at 11646 Bellinger Street, Los Angeles County.

**PROJECT DESCRIPTION**

As part of its Clean Water Programs, WRD has developed a Safe Drinking Water Program designed to provide wellhead treatment to pumpers with affected wells. This enables the pumper to keep an affected well on-line or to bring an otherwise shut down well back on-line and assists in WRD's effort to clean up existing groundwater contamination by pumping and treating at that particular site.

The City of Lynwood owns and operates Well 11. The well is currently affected by Volatile Organic Compound (VOC) contamination and has surpassed the Maximum Contaminant Level (MCL) of 5 parts per billion (ppb) for Tetrachloroethylene (PCE) and nearly exceeds the MCL of 5 ppb for Trichloroethylene (TCE). The Lynwood wellhead treatment facility will utilize a Liquid Phase Granular Activated Carbon (GAC) system. A permit to operate the treatment system will be obtained from the California State Water Resources Control Board (SWRCB) and a discharge permit (if needed) will be obtained from the LA Regional Water Quality Control Board prior to construction of the facility. This facility will be built within the boundaries of the well site owned by the City of Lynwood. The system will have the capacity to treat the full flow of the Lynwood Well 11. The treated water will be disinfected with a chlorination system prior to entering the distribution system. The City of Lynwood personnel will perform the routine operation and maintenance associated with this wellhead treatment unit.

**FINDING**

The Water Replenishment District of Southern California (WRD) Board of Directors having heard, at a public meeting of the District, the comments of any and all concerned persons or entities, including the recommendations of the District staff, does hereby find that the proposed project will not have a significant adverse effect on the environment.

The facts supporting this finding are presented in the attached Initial Environmental Study (IES) prepared for this project and in the reference material cited in the IES. When considering the record as a whole, there is no evidence before the agency that the proposed project will have potential for an adverse effect on wildlife resources or the habitat upon which the wildlife depends. The analysis and findings contained in the IES and this Declaration represent the independent judgment of the District.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Water Replenishment District of Southern California held on February 2, 2017.



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Rob Katherman, President

ATTEST:



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Sergio Calderon, Secretary

2017 031511  
  
FILED  
Feb 07 2017

Dean C. Logan, Registrar - Recorder/County Clerk  
Electronically signed by LILIA MURGUIA



WATER REPLENISHMENT DISTRICT  
OF SOUTHERN CALIFORNIA

**ENVIRONMENTAL  
DOCUMENTATION  
FOR**

**INSTALLATION OF GRANULAR  
ACTIVATED CARBON FILTERS  
FOR TREATMENT OF VOLATILE  
ORGANIC COMPOUNDS**

**FOR  
LYNWOOD WELL 11  
Located in  
LYNWOOD, CALIFORNIA**

*A WRD Safe Drinking Water Program  
Project*

**September 2016**

Interested Agencies, Organizations and Individuals

NOTICE OF COMPLETION AND AVAILABILITY OF THE INITIAL STUDY/PROPOSED  
NEGATIVE DECLARATION FOR THE WELLHEAD TREATMENT CONSTRUCTION  
PROJECT

The Water Replenishment District of Southern California (WRD) has prepared a negative declaration for the Wellhead Treatment Construction for Lynwood Well No. 11 for review and comment by the public and local agencies.

The Water Replenishment District of Southern California (WRD) encompasses the urban coastal plain of Los Angeles County. WRD is a special district vested with the responsibility to manage and protect the groundwater supplies of the Central and West Coast Basins.

As part of its Clean Water Programs, WRD has developed a Safe Drinking Water Program designed to provide wellhead treatment to pumpers with affected wells. This enables the pumper to keep an affected well on-line or to bring an otherwise shut down well back on-line and assists in WRD's effort to clean up existing groundwater contamination at that particular site.

The wellhead treatment system will consist of one complete granular activated carbon unit. A permit to construct and operate will be obtained from the California State Water Resources Control Board and a discharge permit (if needed) will be obtained from the LA Regional Water Quality Control Board prior to the construction of the facility.

The facility will be built within the boundaries of the well site own and operated by the City of Lynwood. City of Lynwood personnel will perform the routine operation and maintenance associated with this wellhead treatment unit. The system will have the capacity to treat the full flow of the well. The treated water will be disinfected with a chlorination system prior to entering the distribution system.

Written comments must be received by December 16, 2016. All written responses to this notice should be sent to:

Charlene King  
Associate Engineer  
Water Replenishment District of Southern California  
4040 Paramount Boulevard  
Lakewood, CA 90712

Copies of the document will be available for review at the Water Replenishment District of Southern California.

## **PROPOSED NEGATIVE DECLARATION**

### **WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA SAFE DRINKING WATER PROGRAM AT LYNWOOD WELL 11**

#### **PROJECT NAME**

Construction of Wellhead Treatment Unit for Lynwood Well 11

#### **ENTITY UNDERTAKING PROJECT**

Water Replenishment District of Southern California.

#### **LOCATION**

The Lynwood well site is located in the City of Lynwood at 11646 Bellinger Street, Los Angeles County.

#### **PROJECT DESCRIPTION**

As part of its Clean Water Programs, WRD has developed a Safe Drinking Water Program designed to provide wellhead treatment to pumpers with affected wells. This enables the pumper to keep an affected well on-line or to bring an otherwise shut down well back on-line and assists in WRD's effort to clean up existing groundwater contamination by pumping and treating at that particular site.

The City of Lynwood owns and operates Well 11. The well is currently affected by Volatile Organic Compound (VOC) contamination and has surpassed the Maximum Contaminant Level (MCL) of 5 parts per billion (ppb) for Tetrachloroethylene (PCE) and nearly exceeds the MCL of 5 ppb for Trichloroethylene (TCE). The Lynwood wellhead treatment facility will utilize a Liquid Phase Granular Activated Carbon (GAC) system. A permit to operate the treatment system will be obtained from the California State Water Resources Control Board (SWRCB) and a discharge permit (if needed) will be obtained from the LA Regional Water Quality Control Board prior to construction of the facility. This facility will be built within the boundaries of the well site owned by the City of Lynwood. The system will have the capacity to treat the full flow of the Lynwood Well 11. The treated water will be disinfected with a chlorination system prior to entering the distribution system. The City of Lynwood personnel will perform the routine operation and maintenance associated with this wellhead treatment unit.

#### **FINDING**

The Water Replenishment District of Southern California (WRD) Board of Directors having heard, at a public meeting of the District, the comments of any and all concerned persons or entities, including the recommendations of the District staff, does hereby find that the proposed project will not have a significant adverse effect on the environment. The facts supporting this finding are presented in the attached Initial Environmental Study (IES) prepared for this project and in the

reference material cited in the IES. When considering the record as a whole, there is no evidence before the agency that the proposed project will have potential for an adverse effect on wildlife resources or the habitat upon which the wildlife depends. The analysis and findings contained in the IES and this Declaration represent the independent judgment of the District.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Water Replenishment District of Southern California held on December , 2016.

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Willard H. Murray, President

ATTEST:

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John D.S. Allen, Secretary

## INITIAL STUDY

### BACKGROUND

1. Name of Proponent(s):  
Water Replenishment District of Southern California  
City of Lynwood
2. Name of Lead Agency:  
Water Replenishment District of Southern California
3. Address and phone number of Lead Agency:  
4040 Paramount Boulevard  
Lakewood, California 90712  
(562) 921-5521
4. Date of Initial Study:  
September 7, 2016

### PROJECT INFORMATION

1. Description of the project:  

The Water Replenishment District of Southern California (WRD) encompasses the urban coastal plain of Los Angeles County. WRD is a special district vested with the responsibility to manage and protect the groundwater supplies of the Central and West Coast Basins.

Currently, some water wells in the WRD service area are affected by groundwater contamination. The City of Lynwood owns and operates Lynwood Well No. 11, which is currently affected by Volatile Organic Compound (VOC) contamination. In the last five years, the well has begun producing water with excessive levels of Tetrachloroethylene (PCE) and Trichloroethylene (TCE). The PCE and TCE concentrations nearly exceed and have often surpassed the Maximum Contaminant Level (MCL) of 5 parts per billion.

As part of its Clean Water Programs, WRD has developed a Safe Drinking Water Program designed to provide wellhead treatment to pumpers with affected wells. This enables the pumper to keep an affected well on-line or to bring an otherwise shut down well back on-line and assists in WRD's effort to clean up existing groundwater contamination by pumping and treating at that particular site.

Lynwood Well No. 11 is located at 1646 Bellinger Street. The well site is in located in an industrial/residential area.

The Lynwood wellhead treatment unit will consist of a Liquid Phase Granular Activated Carbon (GAC) system. Liquid Phase GAC treatment is a technology used to remove organic contaminants from the groundwater. Groundwater is pumped through one or more vessels containing GAC. Thermal processing of carbon creates small porous particles with a large internal surface area. This attribute makes it activated. The activated carbon attracts and absorbs the contaminant molecules, allowing water to pass through the vessels relatively quickly. When the carbon is exhausted from the vessel, the carbon must be replaced. The spent carbon is replaced with newly activated carbon. A permit to operate the treatment system will be obtained from the California State Water Resources Control Board.

This facility will be built within the boundaries of the well sites owned and operated by the City of Lynwood. The system will have the capacity to treat the full flow of the well. The treated water will be disinfected with a chlorination system prior to entering the distribution system.

City of Lynwood personnel will perform the routine operation and maintenance associated with this wellhead treatment unit.

2. Identification of the environmental setting:

The well site is located on a 0.24 acre lot at 11646 Bellinger Street. The well site is bordered by residential property on the north, east, and south. An industrial facility is located to the west of the well site property. See attached site map.

3. Identification of environmental effects:

See attached Environmental Checklist.

4. Discussion of ways to mitigate any significant effects identified:

No significant effects were identified in the Initial Study.

5. Examination of whether or not the project is compatible with existing zoning, plans, and other land use controls:

Appropriate use, construction and operating permit applications will be filed with the appropriate agencies.

6. Name(s) of person(s) who prepared or participated in the Initial Study:

Ken Ortega, PE  
Assistant General Manager  
Water Replenishment District of Southern California  
4040 Paramount Boulevard  
Lakewood, California 90712  
(562) 921-5521

Charlene King  
Associate Engineer  
Water Replenishment District of Southern California  
4040 Paramount Boulevard  
Lakewood, California 90712  
(562) 921-5521

Jose Molina  
Utility Services Manager  
City of Lynwood  
11330 Bullis Road  
Lynwood, California 90262  
(310) 603-0220

Lorry Hempe  
Public Works Special Projects Manager  
City of Lynwood  
11330 Bullis Road  
Lynwood, California 90262  
(310) 603-0220

Ryan Gallagher, P.E.  
Managing Engineer  
KEH & Associates, Inc.  
570 Rancheros Drive, Suite 200  
San Marcos, California 92069  
(760) 891-4180

Frank Dodge  
Associate Engineer  
KEH & Associates, Inc.  
2901 North Ventura, Suite 180  
Oxnard, California 93036  
(805) 981-1000

## Environmental Checklist Form

**1. Project title:** Lynwood Well 11 Wellhead Treatment Facility Project

**2. Lead agency name and address:**

Water Replenishment District of Southern California  
4040 Paramount Boulevard, Lakewood, CA 90712

**3. Contact person and phone number:** Ms. Charlene King (562) 921-5521

**4. Project location:** 11646 Bellinger Street, Lynwood, CA, LA County

**5. Project sponsor's name and address:**

Water Replenishment District of Southern California  
4040 Paramount Boulevard, Lakewood, CA 90712

**6. General plan designation:** Utility Site

**7. Zoning:** Residential

**8. Description of project:** (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)

This site is an existing water supply utility site owned and operated by the City of Lynwood. See Initial Study—Section 2 (Project Information)

The proposed activities include the following items:

1. Modify the existing piping
2. Installation of one complete granular activated carbon filtration system, backwash tank & associated piping

**9. Surrounding land uses and setting:** (Briefly describe the project's surroundings)

This existing site is in a residential area on Bellinger Street between Bellinger Street and Esther Street.

**10. Other public agencies whose approval is required** (e.g., permits, financing, approval, or participation agreement.)

**California State Water Resources Control Board  
Los Angeles County Sanitation District**

**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"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |

**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 impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the 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.



Signature

11/14/2016

Date

Ken Ortega, Assistant General Manager  
Printed name

For: Water Replenishment District of Southern California

**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 may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an 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 Section XVII, "Earlier Analyses," 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 Analysis 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 significance

**SAMPLE QUESTIONS**

Issues:

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>I. AESTHETICS—Would the project:</b>				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) 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"/>
c) 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"/>
d) 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"/>
<b>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. Would the project:</b>				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) 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"/>
c) 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 Resource 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"/>
d) 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"/>

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
e) 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"/>

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. Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) 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"/>
c) 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"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IV. BIOLOGICAL RESOURCES—Would the project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) 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"/> |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

V. CULTURAL RESOURCES -- Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) 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"/> |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) 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"/> |
| d) Disturb any human remains, including those interred outside of formal cemeteries?                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

VI. GEOLOGY AND SOILS -- Would the project:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:   |                          |                          |                          |                                     |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <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"/> |
| b) Result in substantial soil erosion or the loss of topsoil?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

VII. GREENHOUSE GAS EMISSIONS –

Would the project:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have significant impact on the environment?        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

VIII. HAZARDS AND HAZARDOUS

MATERIALS—Would the project:

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) 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 checked="" type="checkbox"/> | <input type="checkbox"/> |

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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"/>
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"/>
g) 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"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>IX. HYDROLOGY AND WATER QUALITY—Would the project:</b>				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) 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 checked="" type="checkbox"/>	<input type="checkbox"/>

- |   |                          |                          |                                     |                                     |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| c) 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 checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d) 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| f) Otherwise substantially degrade water quality?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| g) 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"/> |
| h) 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"/> |
| i) 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"/> |
| j) Inundation by seiche, tsunami, or mudflow?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

X. LAND USE AND PLANNING—Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Physically divide an established community?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) 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"/> |

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
c) 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"/>

XI. MINERAL RESOURCES—Would the project:

a) 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"/>
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"/>

XI. NOISE—Would the project result in:

a) 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"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) 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"/>
d) 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"/>
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"/>
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"/>

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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XIII. POPULATION AND HOUSING—Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) 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"/> |
| c) 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"/> |

XIV. PUBLIC SERVICES

- 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:

- |                          |                          |                          |                          |                                     |
|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Fire protection?         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Police protection?       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Schools?                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Parks?                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Other public facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XV. RECREATION—

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

XVI. TRANSPORTATION/TRAFFIC—Would the project:

- |   |                          |                          |                                     |                                     |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and 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 type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b) 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?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) Result in inadequate emergency access?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| f) Result in inadequate parking capacity?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f) 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"/> |

XVII. UTILITIES AND SERVICE SYSTEMS—Would the project:

- |   |                          |                          |                                     |                                     |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) 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"/> |
| b) 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 checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) 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 checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) 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"/> |
| f) 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"/>            |
| g) Comply with federal, state, and local statutes and regulations related to solid waste?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

		Less Than Significant		
Potentially Significant Impact	With Mitigation Incorporation	Less Than Significant Impact	No Impact	

**XVII. MANDATORY FINDINGS OF SIGNIFICANCE:**

- |  |                          |                          |                                     |                                     |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

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

### ENVIRONMENTAL CONSEQUENCES OF THE PROPOSED PROJECT

This section considers impacts of the proposed project, including short- and long-term impacts of project actions (construction and operation), and indirect (secondary) impacts from projects actions. The analysis presented in this section evaluates whether or not there is potential for significant environmental impacts to occur as a result of the proposed project. This section, as with all sections in this document, is structured to conform to environmental documentation requirements.

For each issue area, a description of thresholds of significance is provided. These thresholds provide guidance in the Lead Agency’s determination as to whether there is potential for significant effects on the environment. One of the following four responses is provided for each issue with regard to the significance of any identified environmental effects:

- g) *No Impact.* The proposed project will not have any measurable impact on the environmental factor being analyzed (e.g., the project will not discharge into a municipal drinking water supply, therefore there will be no impacts on drinking water quality).
- h) *Less Than Significant Impact.* The proposed project will have the potential for impacting the environmental factor under consideration, although this impact will be below established thresholds (e.g. the project will result in discharge to surface waters, but it is not expected that such discharge will result in exceedance of established water quality standards).
- i) *Potentially Significant Impact Unless Mitigation Incorporated.* The proposed project will have the potential to generate impacts that result in exceedance of the threshold significance criteria, but measures such as a change in project design will mitigate such impacts to levels that are less than significant.
- j) *Potentially Significant Impact.* The proposed project will have impacts that are considered significant. Additional analysis is required to identify mitigation measures that could reduce these impacts to less than significant levels.

Generally, the above responses are considered only in relation to adverse impacts of a project. It is possible that a project may have one or more beneficial impacts on the resource in question, and discussion of mitigation is not meaningful. In such cases, beneficial impacts are identified in the analysis but are evaluated to be less than significant for purposes of the Environmental Checklist. An explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites 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).

### **CEQA Supplemental Information – Impact Analysis**

The following sections provide explanation of responses to the referenced Checklist questions.

#### **I. Aesthetics**

##### **A, B, C, and D.**

No Impact. The project will be built within an enclosed existing well site and will not impact aesthetic resources or affect the existing visual character of the area.

#### **II. Agriculture and Forest Resources**

##### **A, B, C, D, and E.**

No Impact. The project site is not located in an agricultural or forest use area, therefore this issue is not applicable. The project will be built within an existing well site and will not conflict with existing zoning.

#### **III. Air Quality**

##### *Significance Criteria*

Project actions are evaluated in reference to the following:

- A. Conflict with or obstruction of implementation of an applicable air quality plan;
- B. Violation of any ambient air quality standard, or contribute to an existing or projected air quality violation;
- C. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard;
- D. Exposure of sensitive receptors to pollutants;
- E. Create objectionable odors affecting a substantial number of people.

In addition, the South Coast Air Quality Management District (SCAQMD) has established emissions thresholds for a number of criteria pollutants. These thresholds apply to both short-term (construction-related) emissions and long-term (operational emissions).

**A, B, C, and D.**

Less Than Significant Impact. Construction of the project would generate short-term exhaust emissions from construction equipment and motor vehicles. Excavation and compaction of soil for the laying of pipe and the installation of concrete base pads will be required, and based on *AQMD Rule 403 FUGITIVE DUST*, this as well as other site preparation activities would generate fugitive dust of a short-term, temporary nature. However, the short-term emissions from vehicles and fugitive dust are not expected to violate South Coast Air Quality Management District's existing or projected air quality standards, nor affect a potentially sensitive receptor (dwellings) located adjacent to the project site.

The GAC facility is a closed treatment system, therefore, there will be no impact to air emissions during normal operations.

**E.**

No Impact. The GAC facility is a closed treatment system and it is not possible for objectionable odors to be released. No impact will occur.

**IV. Biological Resources**

**A, B, C, D, E, and F.**

No Impact. The project site is located in an urban area on an existing well site that has been previously cleared and leveled, and is not located in a conservation plan area. No impacts to biological resources will occur.

**V. Cultural Resources**

**A, B, C, and D.**

No Impact. The project site is located on an existing water facility and will not impact historical, paleontological, or archaeological resources.

**VI. Geology and Soils**

**A, C, and D.**

No Impact. The project site is located on an existing water facility site, upon which a well and related facilities have already been constructed. The site is not located within a fault zone, landslide area, or area of expansive soils, therefore no exposure of people or structures to these hazards will occur.

**B.**

Less Than Significant Impact. If construction is delayed into the winter season, site preparation would potentially result in some soil erosion due to runoff. In this case, standard erosion control procedures will be in place and erosion impacts will be less than significant.

**E.**

No Impact. The project will not affect the ability of the soil to adequately support the use of septic tanks or alternative wastewater disposal systems, therefore this issue is not applicable.

## **VII. Greenhouse Gas Emissions**

**A and B.**

No Impact. The project site is located on an existing water facility site, upon which a well and related facilities have already been constructed. The GAC facility is a closed treatment system, therefore, there will be no impact to greenhouse gas emissions during normal operations.

## **VIII. Hazards and Hazardous Materials**

**A, B, and C.**

Less Than Significant Impact.

Chlorine has been, and will continue to be used for disinfection of treated drinking water. The solution is classified as a corrosive liquid. Accidental release of chlorine has been evaluated and is addressed in the "Hazardous Materials Business Plan" on file with Los Angeles County Fire Department. The storage tank of the Chlorine solution has a secondary container as required by the Uniform Fire Code, which is designed to prevent the release of the solution into the environment. Transport and handling of the solution will follow specified handling procedures and OSHA requirements. Therefore no significant hazard to the public or personnel is expected.

On a periodic basis, spent carbon from the GAC facility will need to be replaced with newly activated carbon. Due to the fact that the carbon filter will be used to remove Tetrachloroethylene (PCE) and Trichloroethylene (TCE) from groundwater, it is anticipated that the spent carbon will have these contaminants. Handling, transportation, and disposal of the spent carbon will comply with all federal, state, and local statutes with regard to the contaminants, therefore no significant hazard to the public or personnel is expected.

**D, E, F, and H.**

No Impact. The site is not located on a hazardous materials site, nor is it located within two miles of an airport, nor in the vicinity of a private airstrip or wildland area, therefore these issues are not applicable.

**G.**

Less Than Significant Impact. Site preparation and construction may temporarily result in an increase in traffic in the immediate vicinity of the project site, due to entry/exit of construction vehicles. However it is not expected that this temporary condition will impair or physically interfere with emergency response or evacuation plans of any nearby schools or businesses of the area.

## **IX. Hydrology and Water Quality**

### **A, G, H, I, and J.**

No Impact. A discharge permit will be obtained from the LA Regional Water Quality Control Board prior to the construction of the facility. The project is not located in a flood hazard area or area subject to seiche, tsunami, or mudflow. No impacts to water quality standards, waste discharge requirements, or exposure of people or structures to floods and related hazards will occur.

### **B.**

Less Than Significant Impact. The project will enable a groundwater extraction well that is currently off-line to go on-line; therefore groundwater extraction from the water table will be incrementally increased. However, this incremental increase is not expected to exceed that which existed prior to the well contamination when the well was on-line.

### **C, D, E, and F.**

Less Than Significant Impact. If construction is delayed into the winter season, site preparation would potentially result in some soil erosion due to runoff. Excavation and compaction of soil for the laying of pipe and the installation of concrete base pads will also be required. In this case, standard erosion control procedures will be in place and impacts on water quality will be less than significant. The facility, after construction, will result in no increase in the amount of impervious surface on the site and therefore in surface runoff. The facility will connect to an existing stormwater system; however, impacts to drainage, stormwater systems, and water quality are not expected to be significant.

## **X. Land Use and Planning**

### **A, B, and C.**

No Impact. The project is located on an existing well site that will not conflict with general plan designation or zoning. The project site will be compatible with existing land use and have no impact on the physical arrangement of an established community. There is no habitat or natural community conservation plan that is applicable to the site location.

## **XI. Mineral Resources**

No Impact. There are no valuable or locally important mineral resources on the site and therefore the project will not impact these resources.

## **XII. Noise**

### **A, C, D.**

Less Than Significant Impact. The noise generated from construction and operation of this facility will be common noise for pipeline and water facility construction and operation. Construction noises will be short-term and will occur only during normal working hours. The temporary additional noise from the construction associated with this project, and periodic noise associated with personnel vehicles and other activities required for maintenance and operation of the facility, are not expected to be significant compared to existing noise levels from the current site use.

### **B, E, F.**

No Impact. The project will not generate groundborne noise, nor is it located within two miles of an airport or in the vicinity of an airstrip, therefore these issues are not applicable.

## **XIII. Population and Housing**

No Impact. Project personnel will not reside on the project site, nor will construction of the facility displace people or housing.

## **XIV. Public Services**

### **A.**

No Impact. The project will not require personnel to reside on site, or result in potential for fire or public safety hazard. Therefore the project will not alter existing services, or require new facilities, for fire protection, police protection, schools, parks, or other public facilities. No impacts to these services will occur.

## **XV. Recreation**

### **A, B.**

No Impact. The project will not require personnel to reside on site or otherwise create conditions under which existing parks and other recreational facilities would be utilized. No impacts to these resources will occur.

## **XVI. Transportation/Traffic**

### **C and E.**

Less Than Significant Impact. Construction and site preparation will potentially generate a temporary increase in traffic on Bellinger Street or Esther Street due to entry/exit of construction vehicles to/from the project site. However, this temporary condition is not expected to significantly affect existing traffic loads and capacity of the street system, levels of service, or emergency access. The contractor will be required to adhere to all safety measures including but not limited to a special person designated to direct entry/exit traffic.

**A, B, D, and F.**

No Impact. The project will not affect air traffic patterns or increase hazards due to design features. All maintenance and operation personnel will park on site on a temporary basis as needed. The project will not require any increase in parking capacity of the area or result in inadequate parking capacity. The project will not conflict with alternative transportation policies, plans, or programs.

**XVII. Utilities and Service Systems**

**A, D, and E.**

No Impact. The project will not generate wastewater, or require new water supplies or entitlements, therefore impacts to these resources will not occur.

**B and C.**

Less Than Significant Impact. The project consists of construction of a new water treatment facility in order to address an existing problem of water contamination. The construction is therefore expected to have beneficial environmental effects. The facility will result in no increase in impervious surface and therefore runoff from the site. This facility will require connecting to the existing storm water drainage system. A discharge permit will be obtained from the LA Regional Water Quality Control Board prior to the construction of the facility.

**F and G.**

Less Than Significant Impact. On a periodic basis, spent carbon from the GAC facility will need to be replaced with newly activated carbon. Due to the fact that the carbon filter will be used to remove Tetrachloroethylene and Trichloroethylene from groundwater, it is anticipated that the spent carbon will have the contaminants. Disposal of the spent carbon will comply with all federal, state, and local statutes with regard to this contaminant, and is not expected to significantly affect the capacity of the disposal facility to which it is transported.

**XVII. Mandatory Findings of Significance**

**A.**

No Impact. The CEQA Guidelines require a discussion of potential cumulative impacts that could result from a proposed project in conjunction with others in the vicinity. The cumulative impact of several projects is the change in the environment that results from the incremental impact of the project when added to other closely related past, present, or reasonably foreseeable projects. (Guidelines Section 15355).

The vicinity is defined by the immediate areas surrounding the proposed project site. Based on past and current similar projects, this project should have no incremental effect and thus is not significant. The environmental conditions would essentially be the same whether or not the proposed project is implemented.

The project will have a beneficial impact on the environment by treating an existing water contamination problem, and therefore will not have the potential to degrade the quality of the environment.

**B and C.**

Less Than Significant. Project construction, operation, and maintenance has the potential to cause temporary and/or periodic effects on fugitive dust, soil erosion, and traffic, but these effects are expected to be negligible in comparison to the existing conditions of this urbanized environment. Adverse project impacts, whether direct or indirect, on the environment and on human beings will be less than significant.



