

Notice of Preparation

Date March 15, 2004

To: Responsible and Trustee Agencies and Interested Parties

Subject Notice of Preparation (NOP) of a Subsequent Environmental Impact Report for Secondary Treatment and Plant Improvement Project (Job No. J-40-10)

The Orange County Sanitation District (District) is the lead agency under the California Environmental Quality Act (CEQA) for the preparation of a Subsequent Environmental Impact Report (SEIR) for the upgrade of Reclamation Plant No. 1 and Treatment Plant No. 2 (Plants No. 1 and No. 2) in the Cities of Fountain Valley and Huntington Beach, California. The SEIR supplements the District's Strategic Plan Program Environmental Impact Report (PEIR) certified in October 1999. In July 2002, the District committed to upgrading the level of wastewater treatment at both of its treatment plants to achieve secondary treatment standards. Numerous construction projects within the boundaries of the treatment plants have been identified to meet this goal. As a group, the projects constitute the Secondary Treatment and Plant Improvement Project (Project).

The 1999 PEIR evaluated six alternatives at an equal level of detail, including a full-secondary treatment alternative. Many of the individual facilities identified in the Project were evaluated in the 1999 PEIR under Scenarios 3 and 4, however, some of these previously identified projects have since changed. In addition, some facilities were not previously identified in the 1999 PEIR. As such, the District determined that substantial changes to the secondary treatment facilities identified in the 1999 PEIR have occurred that require revisions to the 1999 PEIR. This SEIR will evaluate these changes and disclose any new impacts that were not identified or adequately addressed in the 1999 PEIR.

The District is soliciting the views of interested persons and agencies as to the scope and content of the environmental information to be evaluated in the SEIR. In accordance with CEQA, agencies are requested to review the project description provided in this NOP and provide comments on environmental issues related to the statutory responsibilities of the agency. The SEIR will address written comments submitted during this initial review period and these will be addressed in the preparation of the SEIR. In accordance with the time limits mandated by CEQA, responses to the NOP must be received by the District no later than 30 days after receipt of this notice. We request that comments to this NOP be received no later than April 23, 2004. Please use the NOP Response Form provided in Attachment A and send your comments to Jim Herberg at the address shown below. Please include a return address and contact name with your comments.

Project Title: Secondary Treatment and Plant Improvement Project

Signature: _____

Title: _____

Address: Orange County Sanitation District Telephone: (714) 593-7310
10844 Ellis Avenue
Fountain Valley, CA 92708
Attn: Jim Herberg

INTRODUCTION

The Orange County Sanitation District (District) is proposing to upgrade the level of wastewater treatment at both of its treatment plants to meet secondary treatment standards for the projected 2020 effluent flow of 240 to 320 million gallons per day (mgd). The District currently discharges a blend of advanced primary and secondary treated effluent. Disinfection facilities were installed in 2002. The District is proposing numerous projects to refurbish existing facilities or construct new facilities to meet the secondary treatment standards for all effluent discharged through the ocean outfall. The projects also incorporate routine repairs, replacement, and minor modifications to the facilities that are ordinarily performed on an ongoing basis. This group of projects constitutes the Secondary Treatment and Plant Improvement Project. This Notice of Preparation (NOP) has been prepared to notify interested parties pursuant to California Environmental Quality Act (CEQA) requirements that the District, as the lead agency, is beginning preparation of a Subsequent Environmental Impact Report (SEIR) to assess the Secondary Treatment and Plant Improvement Project.

In October of 1999, the District certified a Program Environmental Impact Report (1999 PEIR) assessing the District's 20-year Strategic Plan. The 1999 PEIR evaluated six alternative treatment scenarios, including two scenarios that would have achieved full secondary treatment for all effluent discharged through the ocean outfall. The 1999 PEIR provided a program-level analysis of long-term planning strategies and project-level analysis of near-term (up to year 2005) capital improvement projects. In October 1999, the District approved the partial secondary alternative (Scenario 2).

In July 2002, the District Board of Directors directed the District staff to immediately proceed with the planning, design, and implementation of treatment methods that will allow the District to meet Federal Clean Water Act secondary treatment standards (Resolution No. OCSD 02-14, July 17, 2002). The Interim Strategic Plan Update (Update), completed in 2002, and the Full Secondary Treatment Summary Report, prepared in July 2003, identified the proposed improvements and rehabilitation projects required to provide secondary treatment at the existing plants through the year 2020. Many of the facilities needed to upgrade to full secondary were identified and analyzed in the 1999 PEIR under Scenarios 3 and 4.¹ However, since the PEIR was certified, some projects have been modified and new projects have been added that were not included in the 1999 Strategic Plan and consequently not analyzed in the 1999 PEIR. Therefore, the District is preparing a SEIR pursuant to the CEQA Guidelines, Section 15162 to address changes to the previously identified secondary treatment facilities.

PROJECT BACKGROUND

The District provides wastewater services to approximately 2.3 million people within a 450-square mile area of northern and central Orange County. The District operates the third largest wastewater system on the West Coast, consisting of over 650 miles of trunk and subtrunk sewers, two regional

¹ Facilities for secondary treatment under Scenarios 3 and 4 are described on p. 3-15 (Plant 1) and 3-23 (Plant 2) and Tables 3-7 and 3-8.

wastewater treatment plants, and an ocean disposal system. **Figure 1** shows the District's service area.

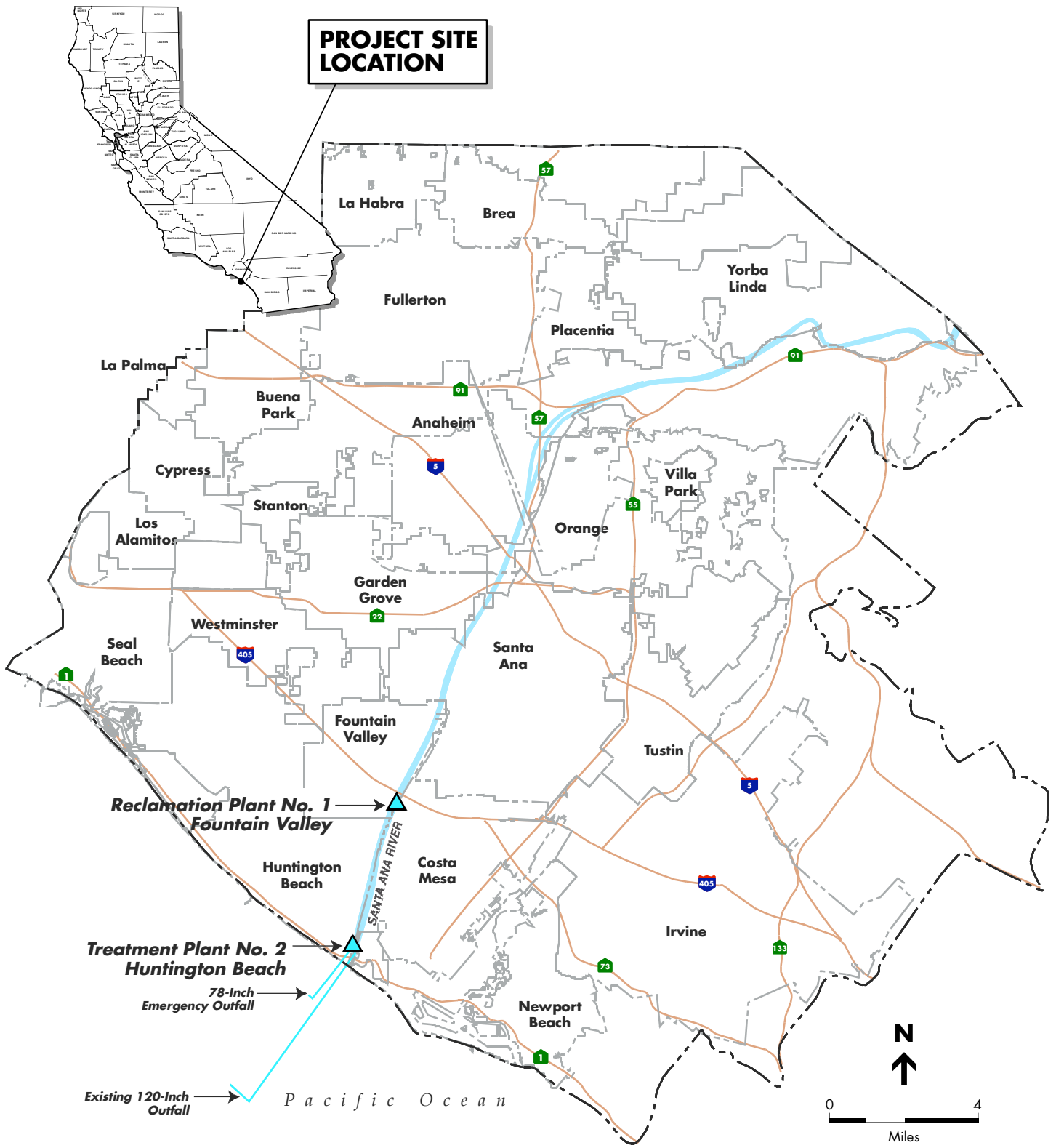
The District was formed in 1946 under the County Sanitation District Act of 1923 as a single purpose entity, providing wastewater treatment for northern and central Orange County. The District began full operation in 1954 with a network of trunk sewers, two treatment plants, and a 7,200-foot long, 78-inch diameter ocean outfall with a design rated capacity of 240 mgd. A new 120-inch diameter ocean outfall with a design rated capacity of 480 mgd was installed in 1971. This outfall, currently in service, extends approximately four miles into the ocean where it connects with a diffuser extending another 6,000 feet northward. The effluent discharged to the ocean is a blend of advanced primary and secondary treated wastewater as specified in the District's National Pollutant Discharge Elimination System (NPDES) permit issued jointly by the Santa Ana Regional Water Quality Control Board (RWQCB) and the U.S. Environmental Protection Agency (U.S. EPA).

Plant No. 1 is located in the City of Fountain Valley about four miles northeast of the ocean and adjacent to the Santa Ana River. The plant is located on approximately 108 acres bounded on the north by Ellis Avenue, Orange County Water District (OCWD) and Ward Street on the west, Garfield Avenue on the south, and the Santa Ana River (SAR) on the east. The District's administrative offices are located at the northern end of the plant, while the treatment facilities cover the eastern portion of the plant. The southwestern portion of the site is either undeveloped or leased for other uses (i.e., auto parts/wrecking yard). The plant receives wastewater from six major sewer pipes and provides advanced primary and secondary treatment. Secondary effluent is either blended with advanced primary effluent and routed to the ocean disposal system, or is sent to OCWD for further treatment and distribution for reclaimed water uses.

Plant No. 2 is located in the City of Huntington Beach adjacent to the SAR about 1,500 feet from the Pacific Ocean. The plant is located on approximately 110 acres bounded by Brookhurst Street on the northwest, Pacific Coast Highway on the southwest, and the SAR on the east. The existing treatment facilities occupy the southern two-thirds of the site, with the area to the northeast remaining undeveloped. The plant receives wastewater from five major sewers and provides a mix of advanced primary and secondary treatment. All of the effluent from the plant is discharged to the ocean outfall disposal system.

PROJECT DESCRIPTION

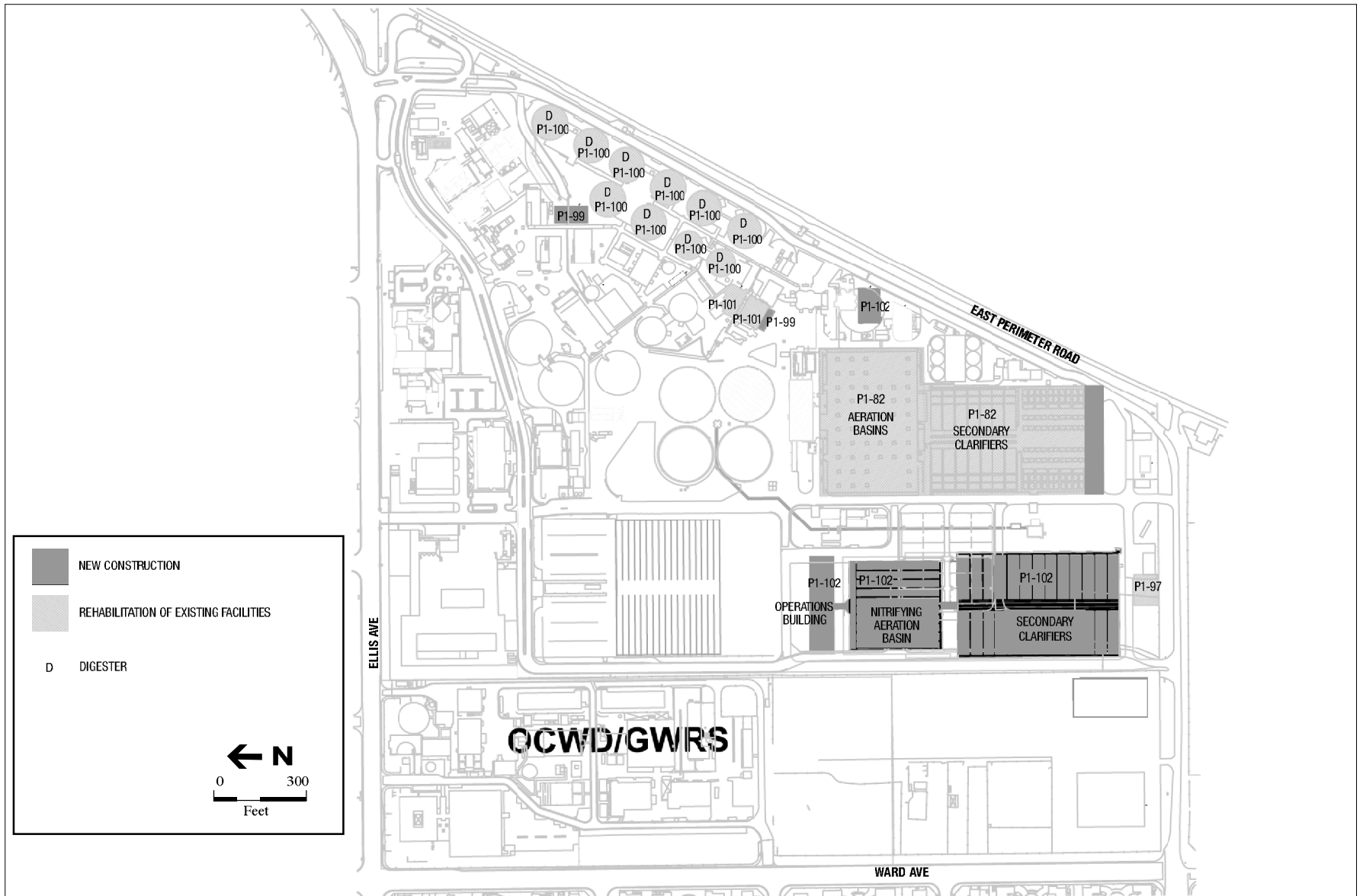
The Secondary Treatment and Plant Improvement Project consists of the projects listed in **Table 1**. All of the projects would take place within the existing treatment plant boundaries. Most of the projects involve rehabilitating existing facilities. Projects P1-102 and P2-90 are large construction projects that would add substantial new facilities. These two projects were included conceptually in the 1999 PEIR. Each of the proposed projects is described below. **Figures 2** and **3** identify the construction areas for new facilities on each plant site.



SOURCE: Environmental Science Associates

Secondary Treatment and Plant Improvement Project / 203472 ■

Figure 1
OCSD Service Area

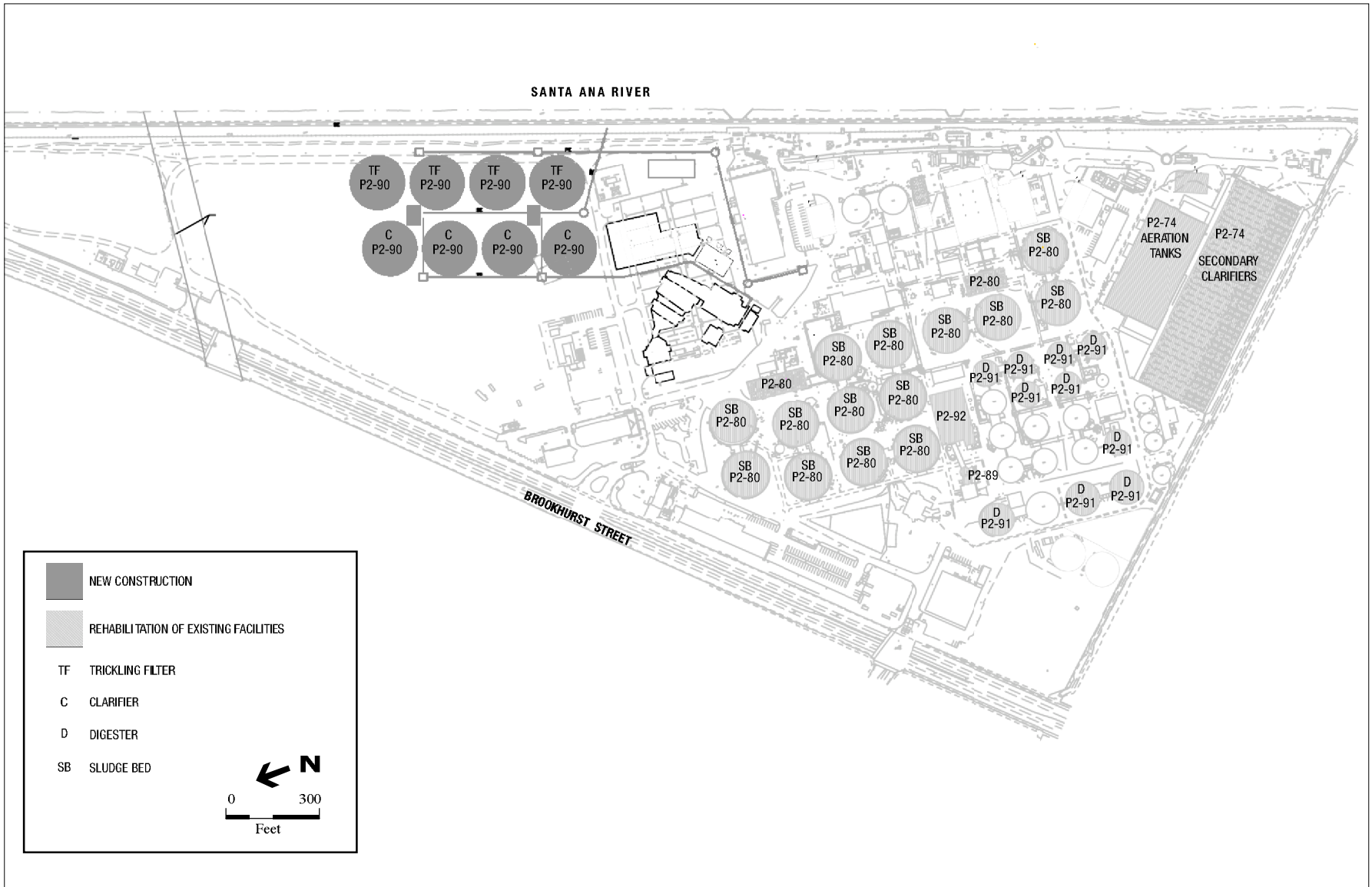


SOURCE: IPMC 2003

Secondary Treatment and Plant Improvement Project / 203472 ■

Figure 2

Proposed Site Plan For Treatment Plant No. 1



SOURCE: IPMC 2003

Secondary Treatment and Plant Improvement Project / 203472 ■

Figure 3
Proposed Site Plan For Treatment Plant No. 2

Table 1
Proposed Improvements Required for Full Secondary Treatment at Plant Nos. 1 and 2

LOCATION	PROJECT	ADDRESSED IN PEIR? (YES/NO)	TITLE	CONSTRUCTION SCHEDULE
Plant No. 1	P1-82	N	Activated Sludge Rehabilitation	2005-2006
	P1-97	N	Plant No. 1 66KV Substation	2005-2006
	P1-99	Y	Digesters, Centrifuge/Press & Cake Storage Hopper or Primary Sludge Thickening	2007-2009
	P1-100	Y	Sludge Digester Rehabilitation at Plant No. 1	2006-2009
	P1-101	N	Sludge Dewatering and Odor Control at Plant No. 1	2007-2009
	P1-102	Y	Secondary Activated Sludge Facility 2 at Plant No. 1	2007-2012
Plant No. 2	P2-74	Y	Rehabilitation of the Activated Sludge Plant	2005-2008
	P2-80	N	Primary Treatment Rehab/Refurbish	2006-2009
	P2-89	Y	Rehabilitation of Solids Storage Silos A & B	2007-2010
	P2-90	Y	Trickling Filters	2007-2011
	P2-91	Y	Digester Rehabilitation at Plant No. 2	2007-2010
	P2-92	N	Sludge Dewatering and Odor Control at Plant No. 2	2008-2010

In addition to the rehabilitation and construction projects listed above, the District performs repairs, replacements and minor modifications at both plants on an ongoing basis.

PLANT NO. 1 – FOUNTAIN VALLEY

P1-82 Activated Sludge Rehabilitation. The project would rehabilitate the activated sludge facility to improve reliability and operational efficiency of the existing 80 million gallon a day of secondary treatment at Plant No. 1. This project was included in the 1999 PEIR. The project would not increase treatment capacity. Construction would last approximately 15 months, beginning in September 2005 and ending in December 2006. Approximately 7,500 cubic yards (cy) of soil would be removed from the site. Demolition of a pipeline and one concrete connecting wall of the existing clarifiers would be required. Approximately 200 piles will be driven for approximately one month during the construction period. Main elements of the project include:

- Rehabilitation and/or replacement of the aeration basin splitter box, feed gates, associated pipes, valves, control strategies, and equipment to link mechanisms to the secondary clarifiers;
- Addition of a nitrification process to remove ammonia and reduce toxicity;
- Construction of two new clarifiers that will serve as storage basins while the existing clarifiers are being serviced or repaired;

- Removal of two 15,000 gallon underground fuel tanks to be replaced with one 10,000 gallon above ground diesel tank that will be connected to two new standby generators that will replace the existing generators;
- Upgrade of the electrical equipment.

P1-97 Plant No. 1 66KV Substation. This project involves the construction of a new substation just west of the existing Plant No. 1 Electric Service Center Building that will allow OCS&D to take power from Southern California Edison (SCE) at 66,000 Volts rather than the present 12,000 Volts. The substation will provide approximately twice the amount of power that is presently available from the existing incoming service.

The substation will be constructed on a concrete foundation with a footprint of approximately 150 feet by 100 feet. Pile driving will be required. There will be some minor excavation (4 feet deep) for the underground electrical conduits. Approximately 20 cy of soil would be removed. No dewatering would be required. Construction will last approximately two years, starting in 2005 and ending in 2006.

P1-99 Digesters, Centrifuge/Press & Cake Storage Hopper or Primary Sludge Thickening. The project would provide additional sludge treatment and modify the Headworks facilities at Plant No. 1. The project was identified in the 1999 PEIR. As originally scoped, the project would include demolition of Headworks No. 1, upgrade of Headworks No. 2, two new digesters, an additional centrifuge or two new belt presses and two sludge hoppers. Currently, a project for primary sludge thickening is being considered as an alternative to the original project. This alternative project would include of demolition of Headworks No. 1, upgrade of Headworks No.2, centrifuges or gravity belt thickeners for primary sludge thickening, new buildings, new odor control systems and new polymer systems. The construction phase is expected to last 2 years from late 2007 to late 2009.

P1-100 Sludge Digester Rehabilitation at Plant No. 1. Project P1-100 would rehabilitate Digesters 5 through 16, including rehabilitation of associated sludge pumping, heating and miscellaneous other structural, mechanical, electrical and control systems. This project was included in the 1999 PEIR. No new structures would be built. No excavation or demolition would be necessary. Construction schedule would require approximately three years, beginning in 2006 and ending in 2009. Main elements of the project include:

- Cleaning and rehabilitation of Digesters 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16;
- Re-lining of Digesters 5, 6, 7, 8, 9 and 10;
- Replacement of sludge pumps and heat exchangers;
- Replacement of miscellaneous piping;
- Upgrade of electrical and control systems to current District standards.

P1-101 Sludge Dewatering and Odor Control at Plant No. 1. Project No. P1-101 would replace the existing sludge dewatering belt presses with centrifuges. This project was not included in the 1999 PEIR. Existing solids area odor control systems would be replaced as well as associated sludge pumping, cake conveyance, chemical feed, ventilation and miscellaneous other structural,

mechanical, electrical and control systems. The project would include the demolition of existing structures and construction of new facilities. Some excavation would be required. The construction would last approximately two years, beginning in 2007 and ending in 2009. Main elements of the project include:

- Replacement of belt filter presses with dewatering centrifuges;
- Upgrade, expansion, or replacement of existing structures;
- Upgrade or replacement of sludge pumping systems;
- Upgrade or replacement of cake conveyance and pumping systems;
- Upgrade or replacement of sludge dewatering chemical feed systems;
- Replacement of dewatering/solids area odor scrubbers located adjacent to Digester 7;
- Replacement of odor scrubbers;
- Upgrade or replacement of foul air ventilation systems;
- Expansion of the cake loadout building for odor containment;
- Upgrade of electrical and control systems to current District standards;

Additional elements of the project may include:

- Installation of new sludge thickening centrifuges;
- Additional sludge pumping systems;
- Additional chemical feed systems and other appurtenant systems to support sludge thickening process.

P1-102 Secondary Activated Sludge Facility 2 at Plant No. 1. Project P1-102 is a new, 80 mgd activated sludge system at Plant No. 1. This project was included in the 1999 PEIR. The proposed system would have a design similar to the existing activated sludge system. The system would include nitrification. The project would involve substantial excavation, dewatering, construction, including reinforced concrete piles, and demolition. Approximately 200,000 cubic yards of soil would be removed. Project construction would last approximately 4-1/2 years, beginning in June 2007 and ending in January 2012. Startup, testing, and commissioning would continue until November 2012. The major project elements include the following:

- One Primary Effluent Pump Station. The pump station would be equipped with four 300 horse power (hp) pumps (40 mgd each).
- Ten aeration basins similar to existing basins. Each basin would be 8,800 sf (275 feet x 32 feet) and 25 feet deep. Each basin would be designed for nitrification including concrete covers similar to existing activated sludge system.
- Twenty six secondary clarifier basins. Each basin would be 6,000 sf (150 feet x 40 feet) and 15 feet deep, similar to existing clarifiers.
- Two Return Activated Sludge Stations. Each station would consist of four pumps (20 mgd each) 150 hp each with variable frequency drives.
- Two Waste Activated Sludge Stations. Each station would consist of three pumps (2 mgd each) 50 hp each with variable frequency drives.
- Three blowers. Each blower would have a capacity of 35,000 cubic feet per minute.

- Operations building. The structure would consist of the blower room, control room and power distribution room.
- Utility Tunnels. The tunnel system would enclose piping and electrical conduits and connect the operations building basement, aeration basin galleries, activated sludge galleries and secondary clarifier galleries. The tunnel would be sized to accommodate process piping, electrical and instrumentation conduit, as well as personnel access and maintenance carts.
- Chlorination System (bleach). The system would be used for activated sludge and effluent disinfection.
- Waste Activated Sludge Dewatering Facility. The facility would consist of a minimum of two Gravity Belt Thickeners, pumping to digesters, polymer storage and feed system, and a building with ventilation and odor control.
- Demolish Information Technology trailers.
- Demolish Power Building No. 1.
- Modifications to Power Building No. 2 and No. 5. Modifications would include replacement of switchgear, circuit breakers, and installation of resistance grounding, etc.

PLANT NO. 2 – HUNTINGTON BEACH

P2-74 Rehabilitation of the Activated Sludge Plant. Project P2-74 would rehabilitate the secondary treatment system at Plant No. 2. No new structures would be built and no excavation is anticipated. The project was not included in the 1999 PEIR. Construction is expected to start in November 2005 and be completed in May 2008. The major project elements include the following:

- Change Pump No. 1 in the Primary Effluent Pump Station from a constant speed to a variable speed drive and rehabilitate the pump discharge header.
- Replace aeration basin splitter box gates and covers. Add odor control.
- Modify aeration basins to handle diurnal peak flows.
- Connect the east and west Return Activated Sludge (RAS) lines and install chlorine injection to the RAS lines.
- Miscellaneous improvements to the east and west RAS pump stations.
- Rehabilitation of the channel air blower system.
- Improve the flow split to the secondary clarifiers. Install sludge blanket level indicators, rehabilitate gate, and other miscellaneous improvements.
- Automate the secondary system.

P2-80 Primary Treatment Rehabilitation/ Refurbishment. Project P2-80 would rehabilitate the primary treatment system at Plant No.2. The project was not included in the 1999 PEIR. Only minor excavation work would be required for piping below the clarifier slab. Approximately 25 cubic yards of soil would be excavated. Demolition work would consist of removal of the aluminum domes over each of the clarifiers. No new structures would be built and treatment capacity would not increase. Construction would last approximately three years, beginning in March 2006 and ending in April 2009. The major project elements include the following:

- Modify odor control systems at the north and south scrubber complexes from the current single stage chemical scrubbers to two stage systems that include a biotower followed by chemical scrubbing.
- Rehabilitate the 14 circular primary clarifiers. Replace domed covers over the circular clarifiers with flat covers.

P2-89 Rehabilitation of Solids Storage Silos A & B. Project P2-89 would rehabilitate the solids storage and transfer facilities at Plant No. 2. The project was included in the 1999 PEIR. Construction would last approximately four years, beginning in February 2007 and ending in November 2010. The major project elements include the following:

- Rehabilitation of two existing silos.
- Replacement of the sludge conveyors, transfer equipment and truck delivery system.
- Rehabilitate the polymer system at the Dissolved Air Flotation Thickeners.

P2-90 Trickling Filters. Project P2-90 would construct new 60 mgd capacity trickling filters at Plant No. 2. This project was included in the 1999 PEIR. The new facility would be constructed in the open space in the northeast of current control building. The approximate size of footprint for the current project would be 500 feet by 730 feet (365,000 square feet). Construction would last approximately four years, beginning in January 2007 and ending in February 2011. The project would require extensive excavation and minimal demolition work. Major components include the following:

- Four 175-foot diameter 30-foot high trickling filter towers and trickling filter clarifiers (24,000 sf each);
- Six 160-foot diameter and 20-foot high trickling filter clarifiers (20,000 sf each);
- One trickling filter pump station with five 250 horsepower variable speed recirculation pumps to feed primary effluent to the trickling filter tower.

P2-91 Digester Rehabilitation at Plant No. 2. Project P2-91 consists of rehabilitation of the existing digesters and ancillary equipment at Plant No. 2. This project was included in the 1999 PEIR. Ten digesters (P, R, S, T, C, D, E, F, G and H) would be rehabilitated. The digester rehabilitation includes cleaning accumulated grit from the tanks, digester re-lining, replacing axial mixing pumps with chopper pumps, hot water system rehabilitation, heat exchanger rehabilitation, sludge feed piping rehabilitation, installation of in-line grinders for sludge, rehabilitation of acid piping and automation of the digester sludge feed system. There would be no change in the existing foot print. No excavation or dewatering would be necessary and no new structures would be built. The existing capacity would not change. Demolition would include existing pipes and pumps. Construction would begin in 2007 and be completed in 2010.

P2-92 Sludge Dewatering and Odor Control at Plant No. 2. The project would provide solids dewatering, storage facilities, and odor control. The project was not analyzed in the 1999 PEIR. As originally scoped, the project would include 10 new belt filter presses and odor control for thickening and dewatering. Currently an alternative project is being considered. The alternative project would include 6 new centrifuges, a new odor control system, retrofits to the existing

dewatering building, a new polymer system and other ancillary equipment. The construction phase is expected to last 2 years from mid 2008 to mid 2010.

DISCUSSION OF POTENTIAL IMPACTS

The SEIR will focus on potential impacts associated with changes to the secondary treatment facilities previously identified and evaluated in the 1999 PEIR. The following discussions highlight potentially significant impacts of the project to be addressed in the SEIR. Other environmental resource areas (i.e., agricultural, cultural, land use, mineral resources, population and housing, public services, recreation, utilities and services) discussed in the 1999 PEIR will not be addressed in the SEIR because the project would not alter the analysis or conclusions of the PEIR. The SEIR will focus on any new impacts that may result from changes to the secondary treatment facilities evaluated in the 1999 PEIR and will recommend adoption of feasible mitigation measures to avoid or lessen any new impacts. The Initial Study Checklist is included as Attachment B.

AESTHETICS

The proposed Project would involve constructing new structures at both plants. The character of the proposed structures would be similar to the existing facilities on the plant. The SEIR will identify proposed heights and layouts for each new facility and evaluate potential visual impacts to surrounding communities.

AIR QUALITY

Construction activities would be generally consistent with activities described in the 1999 PEIR. However, because the number of projects required to achieve secondary treatment standards has increased, construction related air emissions may increase. The installation and rehabilitation of the facilities would consist of excavation, trenching, construction, pipeline installation, and demolition. Construction exhaust emissions would be generated from construction equipment, earth movement and demolition activities, construction workers' commute, and material hauling for the entire construction period. Construction-related activities would occur eight hours per day, five days per week. During this period, daily pollutant emissions could exceed thresholds of significance established by the SCAQMD. The SEIR will estimate daily exhaust emissions based on specific assumptions about Project construction activities to assess the potential short-term air quality impact.

Operation of the new facilities would require air emissions permits from the South Coast Air Quality Management District (SCAQMD). The SEIR will identify and evaluate necessary air emissions permits and performance standards for odor control. The SEIR will also address whether mobile source emissions will increase as a result of the new facilities, which may require additional employees and a corresponding increase in traffic trips.

GEOLOGY AND SOILS

Plant No. 2 is located near the Newport-Inglewood Fault, an active and potentially hazardous fault zone. Multiple fault splays run through the treatment plant site. Other major faults in the region include the Whittier Fault Zone and the Palos Verdes Fault. Seismic activity on any of these known faults within the region could cause considerable ground shaking at the treatment plants. Since earthquake-related hazards can not be avoided in the Southern California region, the project site may be subjected to ground motion which could affect structures. In addition, the potential for soil liquefaction in the project area is considered high due to the unconsolidated soils and high water table.

The Project would replace and rehabilitate existing facilities, providing more protection from seismic impacts than currently exists because of the more stringent design and construction standards that are presently required. The SEIR will summarize geotechnical information and evaluate potential geologic hazards and recommend measures to minimize such hazards.

HAZARDS AND HAZARDOUS MATERIALS

The Project would involve refurbishing and constructing new storage facilities for chemicals used in wastewater treatment. The chemicals would be routinely delivered to the treatment plant by tank truck. The SEIR will evaluate the impacts of any increase in quantities of chemicals stored on site to be used for the new facilities and the potential hazard of the chemicals.

HYDROLOGY AND WATER QUALITY

The Project would require substantial excavation. Since groundwater is shallow, the excavations would likely encounter groundwater, requiring dewatering during the construction activities. In addition, large excavations could collect rainwater during a storm. Collected groundwater and storm water would be discharged through the treatment plant in compliance with the District's dewatering permit and standard best management practices.

The rehabilitation of existing facilities and installation of new treatment facilities will improve the quality of the effluent discharged through the ocean outfall. The SEIR will summarize the projected effluent quality and evaluate how the improvements would affect the marine environment.

MARINE ENVIRONMENT

The Project would improve effluent quality. The SEIR will compare the projected effluent quality with the secondary treatment scenarios evaluated in the 1999 PEIR. The SEIR will assess potential effects of the project to the marine environment.

NOISE

Construction activities associated with the projects, particularly pile driving, would generate noise that could exceed fence-line noise thresholds. The SEIR will evaluate measures to reduce the nuisance where possible. The SEIR will also analyze potential increases in ambient noise levels from the expanded facilities and measures to reduce impacts.

TRAFFIC AND TRANSPORTATION

Construction activities would increase traffic to both plants as workers access the construction sites, building materials are delivered, and excavated soils are removed. Each construction project would require workers parking areas and staging areas. The SEIR will evaluate the increase in truck traffic to local surface streets and key intersections during construction and also the long term increases in vehicle traffic from the additional employees that may be hired to operate the expanded facilities.

ATTACHMENT A

NOTICE OF PREPARATION RESPONSE FORM

This form is provided to assist in responding to the Notice of Preparation. If more space is required or if you prefer a different format, please feel free to deviate from this form as necessary. If you have input, please complete the form and return; otherwise, it will be assumed that you do not wish to be retained on this distribution list to receive the Draft EIR.

Date of Response _____

Agency _____

Mailing Address _____

City _____ State _____ Zip _____

Telephone _____

Contact Person _____

LEVEL OF INTEREST IN THE PROPOSED FACILITIES.

- No interest (delete from distribution list)
- Minor interest (retain name on distribution list)
- Major interest (state key areas of your concern):

Permit/ Review Requirements

Do you or your agency have statutory permit authority or advisory review authority over actions within the PROJECT AREA? If so, please list.

Area of Concern

Authority

Applicability Within Project Area

ENVIRONMENTAL ISSUE CATEGORIES

Please indicate your interests and items that should be addressed in the proposed EIR.

AESTHETICS

AIR QUALITY

GEOLOGY / SOILS

HAZARDS AND HAZARDOUS MATERIALS

HYDROLOGY / WATER QUALITY

MARINE ENVIRONMENT

NOISE

TRANSPORTATION / CIRCULATION

ATTACHMENT B

INITIAL STUDY CHECKLIST

The following Environmental Checklist and discussion of potential environmental effects were completed in accordance with Section 15063(d)(3) of the CEQA Guidelines to determine if the project may have any significant effect on the environment.

A brief explanation is provided for all determinations. A "No Impact" or "Less than Significant Impact" determination is made when the project will not have any impact or will not have a significant effect on the environment for that issue area based on a project-specific analysis.

CEQA ENVIRONMENTAL CHECKLIST FORM AND INITIAL STUDY

- | | |
|---|--|
| 1. Project Title: | Secondary Treatment and Plant Improvement Project |
| 2. Lead Agency Name and Address: | Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708 |
| 3. Contact Person and Phone Number: | Jim Herberg
714-593-7310 |
| 4. Project Location: | Fountain Valley, CA (Plant No. 1)
Huntington Beach, CA (Plant No. 2) |
| 5. Project Sponsor's Name and Address: | Orange County Sanitation District |
| 6. General Plan Designation: | treatment plant |
| 7. Zoning: | public facility |
| 8. Description of Project: | Construction of new treatment facilities and rehabilitation of existing facilities. |
| 9. Surrounding Land Uses and Setting: | Residential and commercial property and the Santa Ana River. |
| 10. Other agencies whose approval is required: | |
| City of Huntington Beach | coastal development permit |
| SCAQMD | air emissions permit |
| RWQCB | NPDES permit |

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

DETERMINATION: (To be completed by 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

Date

Printed Name

For

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
--	---	--	---	----------------------

I. AESTHETICS -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/> |

II. AGRICULTURE 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 prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland.

Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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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:

Issues (and Supporting Information Sources):

- | | | | | |
|--|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Conflict with or obstruct implementation of the applicable Air Quality Attainment Plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Violate any air quality standard or contribute to an existing or projected air quality violation? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d) Expose sensitive receptors to substantial pollutant concentrations? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e) Create objectionable odors affecting a substantial number of people? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

III. BIOLOGICAL RESOURCES -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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 U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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IV. BIOLOGICAL RESOURCES (Continued) -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Interfere substantially with the movement of any native resident or migratory fish or 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 Conservation Community Plan, or other approved local, regional, or state habitat conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

IV. CULTURAL RESOURCES -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|---|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 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 a unique archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d) Disturb any human remains, including those interred outside of formal cemeteries? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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V. GEOLOGY AND SOILS -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| ii) Strong seismic ground shaking? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| iii) Seismic-related ground failure, including liquefaction? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| iv) Landslides? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Result in substantial soil erosion or the loss of topsoil? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) Be located on strata 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code, creating substantial risks to life or property? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input 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"/> |

**VI. HAZARDS AND HAZARDOUS MATERIALS --
Would the project:**

Issues (and Supporting Information Sources):

- | | | | | |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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**VII. HAZARDS AND HAZARDOUS MATERIALS
(Continued) -- Would the project:**

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 checked="" type="checkbox"/> | <input 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 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 type="checkbox"/> | <input checked="" 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"/> |

**VII. HYDROLOGY AND WATER QUALITY --
Would the project:**

Issues (and Supporting Information Sources):

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Violate any water quality standards or waste discharge requirements? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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**VIII. HYDROLOGY AND WATER QUALITY (Continued) -
Would the project:**

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there should 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"/> |
| 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Otherwise substantially degrade water quality? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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 housing 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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| j) Inundation of seiche, tsunami, or mudflow? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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IX. LAND USE AND PLANNING -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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"/> |
| c) Conflict with any applicable habitat conservation plan or natural communities' conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

X. MINERAL RESOURCES -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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:

Issues (and Supporting Information Sources):

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

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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XI. NOISE (Continued)-- Would the project result in:

Issues (and Supporting Information Sources):

- | | | | | |
|---|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input 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 of 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"/> |

XII. POPULATION AND HOUSING -- Would the project:

Issues (and Supporting Information Sources):

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

XIII. PUBLIC SERVICES –

Issues (and Supporting Information Sources):

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

XIII. PUBLIC SERVICES (Continued) –

Issues (and Supporting Information Sources):

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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"/>

XIV. RECREATION –

Issues (and Supporting Information Sources):

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

XV. TRANSPORTATION / TRAFFIC -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|---|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Cause an increase in traffic, which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input 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 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"/> |

	<i>Potentially Significant Impact</i>	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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XV. TRANSPORTATION / TRAFFIC (Continued) -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) Result in inadequate emergency access? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Result in inadequate parking capacity? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Conflict with adopted policies supporting alternative transportation (e.g., bus turnouts, bicycle racks)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XVI. UTILITIES AND SERVICE SYSTEMS -- Would the project:

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) 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"/> |

	<i>Less Than Significant With Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
<i>Potentially Significant Impact</i>	<u> </u>	<u> </u>	<u> </u>

XVII. MANDATORY FINDINGS OF SIGNIFICANCE

Issues (and Supporting Information Sources):

- | | | | | |
|--|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 considerable? (“Cumulative 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)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

SECTION 3.0 DISCUSSION OF IMPACTS AND MITIGATION MEASURES

I. AESTHETICS

- A. **Have a substantial adverse effect on a scenic vista?**
- B. **Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?**

No Impact

No scenic vistas as designated by the California Department of Transportation (Caltrans) under the California Scenic Highways Program¹ or state designated scenic highways² exist in Fountain Valley or Huntington Beach. No impacts are anticipated and no mitigation measures are required.

- C. **Substantially degrade the existing visual character or quality of the site and its surroundings?**

Potentially Significant Impact

The project would include the construction of large above-ground structures. The majority of structures would not be located near the fenceline bordering residential areas. However, some of the structures could be visible from nearby residences and could modify the existing view from the surrounding area. Architectural designs and landscape plans may be required to mitigate the potential impact. The SEIR will analyze potential impacts to residences and recommend mitigation measures if necessary.

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

Less than Significant Impact

The project would be constructed within an industrial setting that is currently operating 24 hours per day. The mature landscaping and visual obstructions currently block nighttime lighting from neighboring residential areas. The majority of new structures would not be located near the fenceline bordering residential areas. Although nighttime lighting at each plant would be modified, the new projects would be subject to existing constraints concerning neighboring land uses. The impact would not be considered a significant impact of the project.

II. AGRICULTURAL RESOURCES

- 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?**

¹ Southern California Association of Governments, *Regional Transportation Plan*, 2001.

² *Ibid.*

- B. Conflict with existing zoning for agricultural use, or a Williamson Act contract?**
- C. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?**

No Impact

The project would take place within the boundaries of Plant No. 1 and No. 2. There are no agricultural lands within the plant boundaries. Therefore, the project would not affect any farmland or agricultural activities. No impact would result from the project.

III. AIR QUALITY

- A. Conflict with or obstruct implementation of the applicable Air Quality Attainment Plan?**

No Impact

The proposed project would be consistent with the Air Quality Management Plan (AQMP) prepared by the South Coast Air Quality Management District (SCAQMD). No impacts to the AQMP are anticipated.

- B. Violate any 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 non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?**
- D. Expose sensitive receptors to substantial pollutant concentrations?**

Potentially Significant Impact

Construction-related activities would add air pollutants to the regional air basin which is already in violation of state and federal air quality standards. Construction emissions could exceed thresholds of significance. In addition, operation of new equipment such as odor control facilities and back up generators would emit air pollutants and require air emissions permits from the SCAQMD. The SEIR will estimate potential emissions and impacts and recommend mitigation measures if necessary.

- E. Create objectionable odors affecting a substantial number of people?**

Potentially Significant Impact

The project would replace existing sewage treatment facilities. The new facilities include substantially upgraded odor control equipment. Nonetheless, odors could be generated during construction and tie in of facilities. Permits from SCAQMD would be required to operate the new odor control facilities.

IV. BIOLOGICAL RESOURCES

- 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?**
- B. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?**
- C. 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?**
- D. Interfere substantially with the movement of any native resident or migratory fish or wildlife corridors, or impede the use of native wildlife nursery sites?**
- E. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**
- F. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?**

No Impact

The proposed project would be located within the treatment plant boundaries, which are developed areas that do not support sensitive habitat or species. The proposed project would not conflict with conservation plans and no biological resources would be affected by the project.

V. CULTURAL RESOURCES

- A. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?**

No Impact

The project would not remove historic structures. No impact to historic resources would result.

- B. Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to §15064.5?**
- C. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**
- D. Disturb any human remains, including those interred outside of formal cemeteries?**

Less than Significant with Mitigation Incorporation

Excavation activities could unearth previously unknown cultural artifacts. Implementation of mitigation measures identified in the PEIR would reduce this impact to a less than significant level.

VI. GEOLOGY AND SOILS

- 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.**
 - ii) **Strong seismic ground shaking?**
 - iii) **Seismic-related ground failure, including liquefaction?**
 - iv) **Landslides?**
- B. **Result in substantial soil erosion or the loss of topsoil?**

Potentially Significant Impact

The treatment plant sites are not be located within an Alquist-Priolo Earthquake Fault Zone³. Seismic activity on any faults within the region could cause considerable ground shaking in the project area. Both plant sites are located within liquefaction hazard zones. The project would be designed to comply with building codes for the region. Site specific geotechnical information would be necessary to ensure compliance with applicable building codes. Impacts from seismic hazards would be considered potentially significant and will be further evaluated in the SEIR.

- C. **Be located on strata or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?**
- D. **Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code, creating substantial risks to life or property?**

Potentially Significant Impact

The proposed project sites could be underlain by unstable or expansive soils. Implementation of mitigation measures identified in site-specific geotechnical evaluations would be necessary to reduce this impact to less than significant levels.

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

No Impact

The proposed project would not involve the use of septic tanks. The nature of the proposed project does not necessitate the need for septic tanks. Therefore, no impacts are anticipated.

VII. HAZARDS AND HAZARDOUS MATERIALS

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

³ California Division of Mines and Geology, Special Publication 42, 1997.

- B. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?**
- C. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**
- D. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

Less than Significant with Mitigation Incorporation

The proposed project would increase the volume of chemicals stored at both treatment plants. Compliance with District hazardous materials handling and storage procedures would reduce the potential for spills. Excavation could encounter contaminated soils. Implementation of mitigation measures identified in the PEIR would avoid these potential hazards.

- E. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?**
- F. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?**
- G. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**
- H. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?**

No Impact

The project site is not located within the immediate vicinity of a private airstrip or within two miles of any public airport. The nearest airport to the project site, John Wayne International Airport, is located approximately four miles east of Plant No. 1. The proposed project would not result in a safety hazard for the people working in the project area or visiting the project site.

The proposed project is not located adjacent to wildlands or near a substantial amount of dry brush that could expose people to wildfire risks. No impacts are anticipated.

VIII. HYDROLOGY AND WATER QUALITY

- A. Violate any water quality standards or waste discharge requirements?**

No Impact

The project would result in higher quality effluent being discharged to the ocean. The discharge would be subject to interim and final permit limitations. The new treatment facilities would have a beneficial impact on water quality.

- B. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there should 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)?
- 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?**
 - 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?**
 - E. **Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems?**
 - F. **Otherwise substantially degrade water quality?**

No Impact

The project would not require groundwater supplies or reduce groundwater recharge in a manner that would deplete groundwater resources. Excavation for construction of some facilities would require dewatering, however no dewatering would be required once construction is completed. The proposed project would not deplete or interfere with potable water sources. No impacts to groundwater are anticipated.

The project would not substantially alter the drainage patterns in the area. The treatment plants are located on relatively flat land. The project would not substantially increase runoff. Runoff from each plant's process areas is presently collected and sent through the treatment system at each plant and ultimately discharged to the ocean. No impact is expected.

- 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?**
- H. **Place housing within a 100-year flood hazard area structures which would impede or redirect flood flows?**

No Impact

The project site is not located within an area designated as 100-year or 500-year flood plain and no housing would be constructed.⁴ No impact would occur.

- 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?**
- J. **Inundation of seiche, tsunami, or mudflow?**

Less than Significant Impact

Plants No. 1 and 2 are located within the Prado Dam Flood Inundation Area.⁵ Due to the close proximity of Plant No. 2 to the coast and its low elevation, this area has been classified as a

⁴ U.S. Federal Emergency Management Agency, *Federal Emergency Management Agency National Flood Insurance Program Map No. 06059C0054F*. Revised January 3, 1997. Washington D.C.: U.S. Federal Emergency Management Agency.

⁵ U.S. Army Corps of Engineers website, <http://www.spl.usace.army.mil/resreg/htdocs/prdofim.html>, accessed February 26, 2004.

Moderate Tsunami Run-Up Area by the City of Huntington Beach.⁶ Construction and operation activities associated with the proposed project would not increase risks to people or structures from flooding, dam failure, tsunami, mudflow, or seiche wave impacts. The SEIR will examine potential risks in more detail. However, impacts are anticipated to be less than significant.

IX. LAND USE AND PLANNING

A. Physically divide an established community?

No Impact

The proposed project would be constructed entirely within the District's treatment plant property and would not physically divide an established community.

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?

No Impact

The project would be upgrading and expanding an existing facility. No changes to land use designations would be necessary.

C. Conflict with any applicable habitat conservation plan or natural communities' conservation plan?

No Impact

The proposed project takes place within the treatment plant boundaries and would not conflict with any habitat conservation plan or natural communities' conservation plan.

X. MINERAL RESOURCES

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?

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

No Impact

No known mineral resources are located within the boundaries of the treatment plants.⁷ Therefore, the proposed project would not result in the loss of availability of any mineral resources and no impacts would occur.

⁶ City of Huntington Beach General Plan, Environmental Hazards Element. 1996.

⁷ Orange County General Plan, Resources Element, 1995.

XI. NOISE

- 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?**
- B. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?**
- D. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?**

Potentially Significant Impact

Construction activities associated with the project, particularly pile driving activities, would generate noise. Local sensitive receptors could be affected by the construction noise. The significance of the impact would depend on construction methods, duration, and proximity of sensitive receptors. Noise and vibration impacts will be further assessed in the SEIR.

- C. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?**

Less than Significant Impact

The expanded facilities could increase ambient noise levels in the project vicinity above levels existing without the project. However, given the existing noise levels at the treatment plants and surrounding roadways, potential impacts are not expected to be significant.

- 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 of public use airport, would the project expose people residing or working in the project area to excessive noise levels?**
- 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?**

No Impact

The project is not located within two miles of a public airport or private airstrip and would not expose people to excessive noise levels. No impact is anticipated.

XII. POPULATION AND HOUSING

- A. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**
- B. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?**
- C. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?**

No Impact

The proposed project would expand the treatment plant as evaluated in the 1999 PEIR. The project would not result in additional population and housing impacts not already evaluated in the 1999 PEIR.

XIII. 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?

Police protection?

Schools?

Parks?

Other public facilities?

No Impact

The project would replace and rehabilitate existing facilities entirely within OCSD's treatment plant property. No impacts to fire or police services, schools or other public facilities are anticipated.

XIV. 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?**
- 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?**

No Impact

The proposed project takes place within the treatment plant boundaries and does not include any recreational facilities. The project would not increase demand for neighborhood or regional parks. No negative impacts to recreation are anticipated.

XV. TRANSPORTATION / TRAFFIC

- A. Cause an increase in traffic, which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)?**
- B. Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?**

Potentially Significant Impact

Both construction and operation of the project could result in an increase in traffic trips that could alter the level of service at local intersections. Traffic would include worker commute, delivery trucks, and soil haul trucks. Potential traffic impacts will be analyzed in the SEIR.

- 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?**
- D. Substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**
- E. Result in inadequate emergency access?**
- F. Result in inadequate parking capacity?**
- G. Conflict with adopted policies supporting alternative transportation (e.g., bus turnouts, bicycle racks)?**

No Impact

The project would not alter air traffic patterns. The project would not alter the current roadway designs or affect emergency access. The project would increase the need for worker parking during the construction period, but parking would be made available on the project site. The project would not conflict with adopted City policies supporting alternative transportation. No impact would be anticipated.

XVI. UTILITIES AND SERVICE SYSTEMS

- A. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?**
- 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?**
- 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?**
- D. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?**
- 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?**
- F. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?**
- G. Comply with federal, state, and local statutes and regulations related to solid waste?**

No Impact

The project would not require new water supplies, drainage facilities, increased capacity at the treatment plant, or increase solid waste capacity needs. Therefore, the project would not adversely impact regional utilities.

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?**

No Impact

The project would upgrade and expand existing treatment plants. The sites do not support wildlife. No significant cultural resources are known to exist at the plant locations. No impact is expected.

- B. Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulative considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?**

Less than Significant with Mitigation Incorporation

Many of the individual facilities identified in the Project were evaluated in the 1999 PEIR under Scenarios 3 and 4, however, some of these previously identified facilities projects have since changed. The SEIR will evaluate these changes and other current and future projects to identify potential cumulative impacts not addressed in the PEIR and mitigation measures to reduce impacts.

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

Less than Significant Impact

The project enhances the reliability of existing infrastructure and level of wastewater treatment. Temporary construction impacts to noise, air quality and traffic could affect nearby residents.