Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Wastewater Treatment Plant Upgrade Project

Lead Agency: Sewerage Commission-Oroville Region
Contact Person: Glen Sturdevant, General Manager
Mailing Address: P.O. Box 1350
Phone: (530) 534-0353
City: Oroville, CA
Zip: 95965
County: Butte

Project Location: County: Butte
City/Nearest Community: City of Oroville
Cross Streets: near the intersection of Fifth Avenue and Simpco Lane
Zip Code: 95965
Longitude/Latitude (degrees, minutes and seconds): 39 ° 486 ' 302 " N / -121 ° 656 ' 154 " W Total Acres: 54
Assessor's Parcel No.: 035-390-013-000, 350-390-008
Section: 19
Twp.: 19N
Range: 4E
Base: MDMB
Within 2 Miles: State Hwy #: SR 70
Waterways: Feather River
Airports: NA
Railways: Union Pacific
Schools: Oakdale Heights Elementary School

Document Type:

CEQA: ☐ NOP ☐ Draft EIR
☐ Early Cons ☐ Supplement/Subsequent EIR
☐ Neg Dec (Prior SCH No.) _____
☒ Mit Neg Dec Other: _____

NEPA: ☐ NOI ☐ EA ☐ Draft EIS ☐ FONSI

Other: ☐ Joint Document ☐ Final Document ☐ Other: _____

Local Action Type:

☐ General Plan Update ☐ Specific Plan ☐ Rezone ☐ Annexation
☐ General Plan Amendment ☐ Master Plan ☐ Prezone ☐ Redevelopment
☐ General Plan Element ☐ Planned Unit Development ☐ Use Permit ☐ Coastal Permit
☐ Community Plan ☐ Site Plan ☐ Land Division (Subdivision, etc.) ☐ Other: _____

Development Type:

☐ Residential: Units _____ Acres _____
☐ Office: Sq.ft. _____ Acres _____ Employees _____
☐ Commercial: Sq.ft. _____ Acres _____ Employees _____
☐ Industrial: Sq.ft. _____ Acres _____ Employees _____
☐ Educational: _____
☐ Recreational: _____
☐ Water Facilities: Type _____ MGD _____

☐ Transportation: Type _____
☐ Mining: Mineral _____
☐ Power: Type _____ MW _____
☒ Waste Treatment: Type Upgrade WWTP MGD 13.3
☐ Hazardous Waste: Type _____
☐ Other: _____

Project Issues Discussed in Document:

☐ Aesthetic/Visual
☐ Agricultural Land
☐ Air Quality
☒ Archeological/Historical
☒ Biological Resources
☐ Coastal Zone
☐ Drainage/Absorption
☐ Economic/Jobs
☐ Fiscal
☐ Flood Plain/Flooding
☐ Forest Land/Fire Hazard
☐ Geologic/Seismic
☐ Minerals
☐ Noise
☐ Population/Housing Balance
☐ Public Services/Facilities
☐ Recreation/Parks
☐ Schools/Universities
☐ Septic Systems
☐ Sewer Capacity
☐ Soil Erosion/Compaction/Grading
☐ Solid Waste
☒ Toxic/Hazardous
☐ Traffic/Circulation
☐ Vegetation
☒ Water Quality
☐ Water Supply/Groundwater
☐ Wetland/Riparian
☐ Growth Inducement
☐ Land Use
☐ Cumulative Effects
☒ Other: TCR

Present Land Use/Zoning/General Plan Designation:

PQ-Public and Quasi-Public Facilities" () and "M-2-Intensive Industrial

Project Description: *(please use a separate page if necessary)*

See attached Project Description

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "X".
If you have already sent your document to the agency please denote that with an "S".

___	Air Resources Board	X	Office of Historic Preservation
___	Boating & Waterways, Department of	___	Office of Public School Construction
___	California Emergency Management Agency	___	Parks & Recreation, Department of
___	California Highway Patrol	___	Pesticide Regulation, Department of
X	Caltrans District # 3	___	Public Utilities Commission
___	Caltrans Division of Aeronautics	X	Regional WQCB # 5
___	Caltrans Planning	___	Resources Agency
___	Central Valley Flood Protection Board	___	Resources Recycling and Recovery, Department of
___	Coachella Valley Mtns. Conservancy	___	S.F. Bay Conservation & Development Comm.
___	Coastal Commission	___	San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
___	Colorado River Board	___	San Joaquin River Conservancy
___	Conservation, Department of	___	Santa Monica Mtns. Conservancy
___	Corrections, Department of	___	State Lands Commission
___	Delta Protection Commission	___	SWRCB: Clean Water Grants
___	Education, Department of	X	SWRCB: Water Quality
___	Energy Commission	___	SWRCB: Water Rights
X	Fish & Game Region # 2	___	Tahoe Regional Planning Agency
___	Food & Agriculture, Department of	___	Toxic Substances Control, Department of
___	Forestry and Fire Protection, Department of	___	Water Resources, Department of
___	General Services, Department of		
___	Health Services, Department of	X	Other: Air Pollution Control District
___	Housing & Community Development	___	Other:
X	Native American Heritage Commission		

Local Public Review Period (to be filled in by lead agency)

Starting Date July 8, 2022 Ending Date August 8, 2022

Lead Agency (Complete if applicable):

Consulting Firm: Provost & Pritchard Consulting Grp
Address: 455 W. Fir Ave
City/State/Zip: Clovis, CA 93611
Contact: Briza Sholars
Phone: (559) 449-2700

Applicant: Sewerage Commission-Oroville Region
Address: P.O. Box 1350
City/State/Zip: Oroville, CA 95965
Phone: (530) 534-0353

Signature of Lead Agency Representative: _____ **Date:** 6-29-22

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

Project Components

Numerous facilities at the existing WWTP will be affected by the proposed Project updates. The Project includes construction of a variety of structures, devices and plumbing to upgrade the existing wastewater treatment plant located in the City of Oroville.

The proposed improvements at each affected process facility are summarized below:

The current plant has an operational capacity of 10.6 million gallons per day (MGD). Although the Project is not a capacity expansion project but rather an upgrade project to improve the quality of water discharged to the Feather River and handle existing peak flows (estimated at ±25 MGD), the component upgrades will result in a minor residual additional average flow capacity increase of about 9%. The upgrades to the plant will add 1,852 Equivalent Dwelling Units (EDUs) to the current 20,703 EDUs, for total new capacity of 13.3 MGD. The Project will not create a new discharge location into the Feather River nor relocate the existing discharge location.

Several components of the long-planned upgrade, (a new influent pump/lift station, replacement of existing rag removal screens with multi-rake screens, installation of new baffles in the existing grit washing system, and replacement of the obsolete and leaking grit pump) were evaluated in a separate approved environmental document and have been or are under construction/installation. These components will likely be completed and existing when the proposed Project consisting of the below listed components are constructed. The influent pump station replaces aged equipment and expands pumping capacity to handle peak wet weather flows up to 23 MGD.

Aeration Basins

The existing aerobic digesters will be converted to aeration basins, effectively doubling the aeration basin capacity. Along with the elimination of the primary clarifiers, this will provide better secondary treatment. The converted basins will utilize fine-bubble diffusers.

The existing surface aerators will be replaced with fine-bubble diffusers supplied by turbo blowers housed in a new blower building. The layout will be modified by splitting each aeration basin into four zones, three aerobic and one anoxic, to create a Modified Ludzack-Ettinger process specifically targeting nitrogen removal. A hyperbolic mixer will be installed in each anoxic zone for mixing and nitrified recycle pumps to recycle flow from the third aerobic zone back to the anoxic zone.

An aeration basin splitter box will be constructed to divide flow between the two basins. The project will include construction in the pond area for additional electrical and mooring posts for new aerators in the ponds. A mixed liquor distribution box will be constructed to divide mix liquor flow between the basins and discharge waste activated sludge to the thickening building.

The majority of this work will be inside the existing aeration basins. The blower building will be a slab on grade with shallow foundations. Splitter and distribution boxes will be installed.

Secondary Clarification

One new secondary clarifier will be constructed to accommodate anticipated 15MGD peak wet weather flows through the plant and acceptable hydraulic loading rates. Volumes of wet-weather flows exceeding 15MGD will be sent to the equalization ponds. The mixed-liquor distribution box will be modified to ensure even flow split among the four secondary clarifiers.

Filtration

Four new filter supply pumps and two new No. 2 Water (2W) supply pumps will be installed adjacent to the existing chlorine contact basin. Two new filters will be installed next to the existing filters. The flow path will

be modified so that secondary effluent is the new filter influent, following the discontinuation of the chlorine disinfection system. The backwash system will be modified to be supplied from a new backwash water supply tank (using the existing chlorine contact basin), including two new backwash water supply pumps, located adjacent to the existing chlorine contact basin. This tank will be supplied with final effluent and a chlorine dose. Structures associated with this component will be slabs on grade with shallow foundations.

Disinfection

A new, open-channel ultraviolet (UV) disinfection system will be installed inside the existing chlorine contact basins. A sodium hypochlorite system to provide chlorination for return-activated sludge (RAS) bulking, 2W, and backwash water will also be installed. These structures will be slabs-on-grade with shallow foundations.

Solids Handling

A rotary drum thickener (RDT) to thicken waste activated sludge from the aeration basins will be installed. The RDT will pre-thicken waste-activated sludge (WAS) or recuperatively thicken digested sludge. An RDT building will be constructed to the south west of the current aerobic digesters (to be converted to aeration basins). A polymer system with the RDT to maximize thickening will be installed. Structures associated with this component will be slabs on grade with shallow foundations.

Return Sludge Pump Station

The existing RAS and WAS pumps will be replaced with four new RAS pumps and a flow control valve to maintain the appropriate RAS/WAS flow split. WAS will have the option of flowing to the RDT or directly to the sludge ponds. [These pumps will be in an existing building.]

Flow Equalization

Two new flow equalization pumps will be installed to transfer equalized flow or digested sludge between ponds. One pump will be located between the flow equalization pond and the North Sludge Pond and the other between the Middle and South Sludge Ponds. Each pump will be capable of drawing suction from two ponds and discharging to all four ponds. Structures associated with this component be slabs on grade with shallow foundations.

Septage Receiving Station

A septage receiving station will be installed adjacent to humus ponds No. 1 and No. 2 to remove unwanted material prior to introduction into the ponds. The septage receiving station will will be slabs on grade with shallow foundations.

Additional project components:

- One of the uses of the main building will change from Chlorine and Sulfur Dioxide feed room to Plant operations office.
- SC-OR will use the space south of the plant for the Construction Contractor's Yard and temporary storage of sheds and materials during construction.
- 4 walls on Blower and RDT buildings will be constructed
- Woman's locker room inside the main plant building will be constructed
- The WWTP recycled water irrigation system will be upgraded and relocated due to the construction of the new access road on the north side of the administration building. Changes include upgrading the pumps, pressure tanks and piping

Additional Access Road

The proposed access road will be paved and traverse around the plant (north side of existing main plant building.)

Structures to be demolished (materials will be disposed of off-site at an approved disposal or recycling facility):

- The existing pressurized water tank on the front lawn will be demolished. This tank is currently used for potable water supply for the main office.
- The Primary Sludge pumps and building will be removed.
- Two existing anerobic digesters, no longer in use, will be demolished. The anerobic digester tanks are no longer used as digesters, and the west tank was converted into a backwash storage tank, which will no longer be needed.
- The two existing primary clarifiers will be taken out of service and demolished.
- Chemical feed equipment and piping inside CL_2/SO_2 room
- The existing Chlorine and Sulfur Dioxide distribution system will be demolished, therefore eliminating the use of Chlorine and Sulfur Dioxide gas.

Structures to be relocated:

- Five metal sheds, outbuildings, and equipment will be temporarily relocated during construction to an area south of the digesters, however they will be moved back after the project.
- Water tank (mentioned above) that is within proposed road access way.