

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. 94-152

WASTE DISCHARGE REQUIREMENTS

FOR
CITY OF SUTTER CREEK
WASTEWATER TREATMENT PLANT
AMADOR COUNTY

The California Regional Water Quality Control Board, Central Valley Region, (hereafter Board) finds that:

1. City of Sutter Creek (hereafter Discharger) submitted a Report of Waste Discharge, dated 5 April 1994 for revised requirements for treatment of domestic wastewater.
2. Waste Discharge Requirements Order No. 88-086, adopted by the Board on 20 May 1988, prescribes requirements for a discharge of treated wastewater to the Amador Regional Sanitation Authority (ARSA) outfall.
3. Order No. 88-086 is not consistent with current plans and policies of the Board.
4. ARSA is a special district which operates the Amador County Regional Outfall System. Effluent from the City of Sutter Creek wastewater treatment plant is conveyed by ARSA to a series of storage/regulatory reservoirs. In accordance with wastewater Reclamation Requirements Order No. 93-240, ARSA provides water to Castle Oaks Golf Course (City of Ione), to the Preston School of Industry (Order No. 83-023) in Ione, and to a farmer adjacent to the outfall. ARSA also augments this reclaimed water supply with fresh water diverted from Sutter Creek.
5. Wastewater from the Martell and Amador City areas is also treated at the City of Sutter Creek Treatment Plant. Wastewater from these communities is stored in aerated equalization basins, and discharged to the Sutter Creek plant during the nighttime off-peak hours. The Martell basin is operated by the County Water Resources Department and the Amador City basin is operated by Amador City.
6. Wastewater receives treatment in a high rate trickling filter plant. The facility process includes a automatic bar screen, primary sedimentation in roto-strainers, a trickling filter and secondary clarification in two combination clarifier/anaerobic digester, followed by disinfection by sodium hypochlorite prior to discharge to ARSA outfall. The plant has a storage pond available for emergency use, and several covered sludge drying beds.

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7. The Discharger discharges 0.35 million gallons per day domestic wastewater to ARSA outfall with a design capacity of 0.48 mgd.
8. The Sutter Creek Treatment Plant is in Section 7, T6N, R11E, MDB&M, with surface water drainage to Sutter Creek, as shown in Attachment A, which is attached hereto and part of the Order by reference.
9. The Board adopted a Water Quality Control Plan, Second Edition, for the Sacramento-San Joaquin Delta Basin (hereafter Basin Plan), which contains water quality objectives for all waters of the Basin. These requirements implement the Basin Plan.
10. The beneficial uses of Sutter Creek are industrial, and agricultural supply; recreation; esthetic enjoyment; ground water recharge; fresh water replenishment; and preservation and enhancement of fish, wildlife, and other aquatic resources.
11. The beneficial uses of underlying ground water are domestic, industrial, and agricultural supply.
12. The action to adopt waste discharge requirements for this facility is exempt from the provisions of the California Environmental Quality Act (CEQA), in accordance with Title 14, California Code of Regulations (CCR), Section 15301.
13. This discharge is exempt from the requirements of Title 23, CCR, Section 2510, et seq. (hereafter Chapter 15). The exemption, pursuant to Section 2511(b), is based on the following:
 - a. The Board is issuing waste discharge requirements, and
 - b. The discharge complies with the Basin Plan, and
 - c. The wastewater does not need to be managed according to 22 CCR, Division 4, Chapter 30, as a hazardous waste.
14. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
15. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

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IT IS HEREBY ORDERED that Order No. 88-086 is rescinded and the City of Sutter Creek, its agents, successors, and assigns, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Discharge Prohibitions:

1. Discharge of wastes to surface waters or surface water drainage courses is prohibited.
2. Bypass or overflow of untreated or partially treated waste is prohibited.
3. Discharge of waste classified as 'hazardous' or 'designated', as defined in Sections 2521(a) and 2522(a) of Chapter 15, is prohibited.

B. Discharge Specifications:

1. The monthly average dry weather discharge flow shall not exceed 0.48 million gallons/day.
2. Objectionable odors originating at this facility shall not be perceivable beyond the limits of the wastewater treatment.
3. The treatment facilities shall be designed, constructed, operated, and maintained to prevent inundation or washout due to floods with a 100-year return frequency.
4. The effluent from the treatment facility to ARSA outfall shall not exceed the following limits:

<u>Constituent</u>	<u>Units</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>
BOD ₅ ¹	mg/l	30	60
Settleable Matter	ml/l	0.1	0.5
Suspended Solids	mg/l	30	60
Total Coliform Organisms	MPN	23	500

¹ Five-day, 20° Celsius biochemical oxygen demand.

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5. Public contact with wastewater shall be precluded through such means as fences, signs, and other acceptable alternatives.

C. Sludge Disposal:

1. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of in a manner that is consistent with Chapter 15, Division 3, Title 23, of the California Code of Regulations and approved by the Executive Officer.
2. Any proposed change in sludge use or disposal practice from a previously approved practice shall be reported to the Executive Officer and U.S. Environmental Protection Agency (EPA) Regional Administrator at least 90 days in advance of the change.
3. Use and Disposal of sewage sludge shall comply with existing Federal and State laws and regulations, including permitting requirements and technical standards included in 40 CFR 503.

If the State Water Resources Control Board and the Regional Water Quality Control Boards are given the authority to implement regulations contained in 40 CFR 503, this Order may be reopened to incorporate appropriate time schedules and technical standards. The Discharger must comply with the standards and time schedules contained in 40 CFR 503 whether or not they have been incorporated into this Order.

4. The Discharger is encouraged to comply with the State Guidance Manual issued by the Department of Health Services titled *Manual of Good Practice for Landspreading of Sewage Sludge*.
5. By **1 October 1994**, the Discharger shall submit a sludge disposal plan describing the annual volume of sludge generated by the plant and specifying the disposal practices.

D. Provisions:

1. The Discharger shall comply with the Monitoring and Reporting Program No. 94-152, which is part of this Order, and any revisions thereto as ordered by the Executive Officer.

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2. The emergency storage pond shall be managed to prevent breeding of mosquitos. In particular,
 - a. An erosion control program should assure that small coves and irregularities are not created around the perimeter of the water surface.
 - b. Weeds shall be minimized through control of water depth, harvesting, or herbicides.
 - c. Dead algae, vegetation, and debris shall not accumulate on the water surface.
3. The Discharger shall comply with the "Standard Provisions and Reporting Requirements for Waste Discharge Requirements", dated 1 March 1991, which are attached hereto and by reference a part of this Order. This attachment and its individual paragraphs are commonly referenced as "Standard Provision(s)."
4. In the event of any change in control or ownership of land or waste discharge facilities described herein, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be immediately forwarded to this office.
5. At least **90 days** prior to termination or expiration of any lease, contract, or agreement involving disposal or reclamation areas or off-site reuse of effluent, used to justify the capacity authorized herein and assure compliance with this Order, the Discharger shall notify the Board in writing of the situation and of what measures have been taken or are being taken to assure full compliance with this Order.
6. The Discharger shall use the best practicable cost-effective control technique currently available to comply with salinity limits specified in this order.
7. The Discharger must comply with all conditions of this Order, including timely submittal of technical and monitoring reports as directed by the Executive Officer. Violations may result in enforcement action, including Regional Board or court orders requiring corrective action or imposing civil monetary liability, or in revision or rescission of this Order.
8. A copy of this Order shall be kept at the discharge facility for reference by operating personnel. Key operating personnel shall be familiar with its contents.

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9. If reclaimed water is used for construction purposes, it shall comply with the most current edition of "Guidelines for Use of Reclaimed Water for Construction Purposes". Other uses of reclaimed water not specifically authorized herein shall be subject to the approval of the Executive Officer and shall comply with 22 CCR, Division 4.
10. The Board will review this Order periodically and will revise requirements when necessary.

I, WILLIAM H. CROOKS, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on 20 May 1994.



WILLIAM H. CROOKS, Executive Officer

25 May 1994/JBM

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 94-152

FOR
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EFFLUENT MONITORING

Effluent samples shall be collected just prior to discharge to ARSA system. Effluent samples should be representative of the volume and nature of the discharge. Samples collected from the outlet structure of ponds will be considered adequately composited. Time of collection of a grab sample shall be recorded. The following shall constitute the effluent monitoring program:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	mgd	Cumulative	Daily
Total Coliform Organisms	MPN/100 ml	Grab	Weekly
Suspended Solids	mg/l	Grab	Every Two Weeks
20°C BOD ₅	mg/l	Grab	Every Two Weeks
Settleable Matter	ml/l	Grab	Every Two Weeks

REPORTING

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly the compliance with waste discharge requirements.

Quarterly monitoring reports shall be submitted to the Regional Board by the 20th day of the following month.

The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Board.

MONITORING AND REPORTING PROGRAM
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Upon written request of the Board, the Discharger shall submit a report to the Board by **30 January** of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by: William H. Crooks
WILLIAM H. CROOKS, Executive Officer

20 May 1994
(Date)

JBM

INFORMATION SHEET

CITY OF SUTTER CREEK WASTEWATER TREATMENT PLANT AMADOR COUNTY

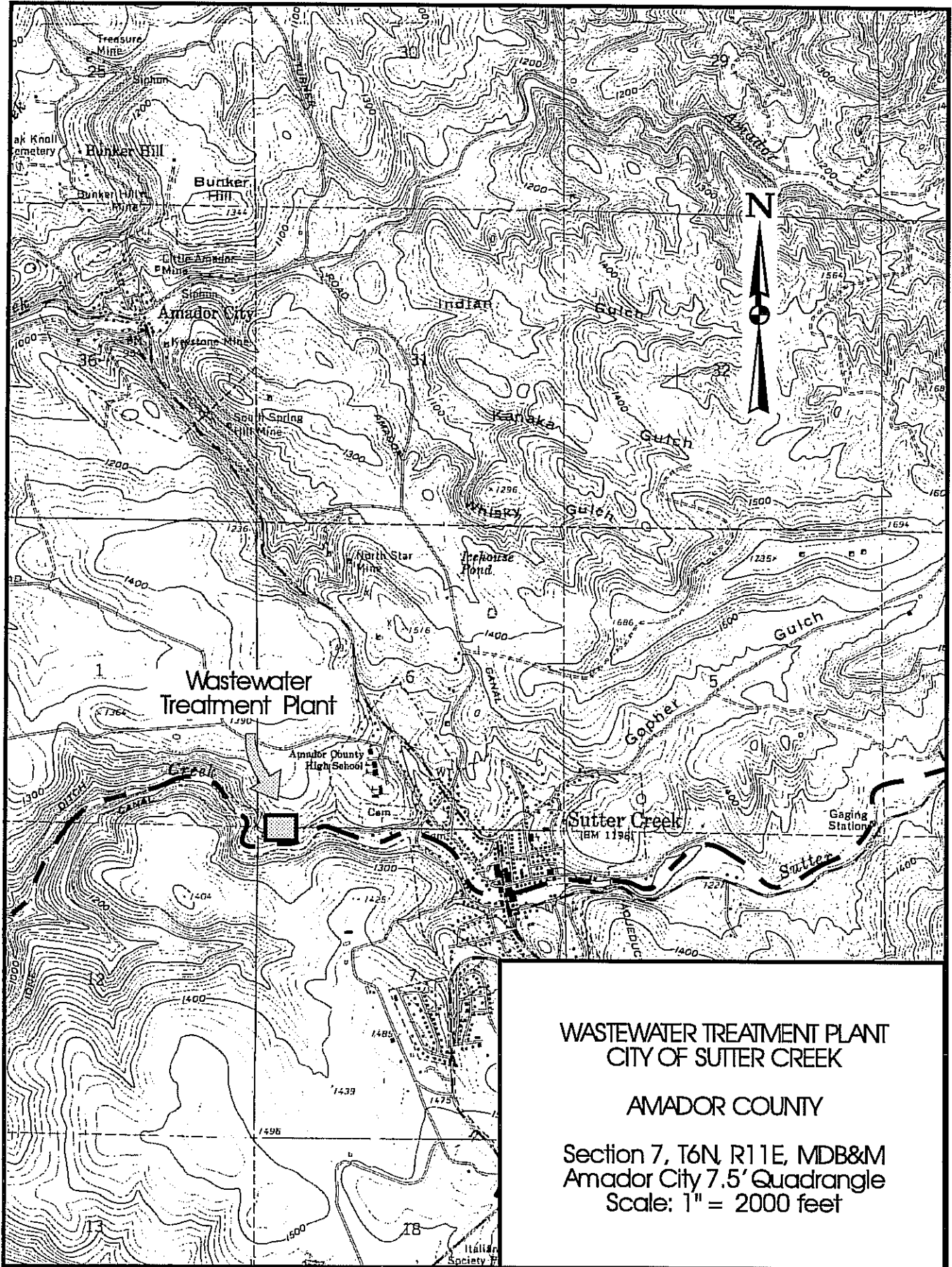
The Sutter Creek Wastewater Treatment Plant is about 1/2 mile west of the City of Sutter Creek. The plant serves the entire area from Amador City on the north, to Martell on the south. Wastewater receives treatment in a high rate trickling filter plant. The facility process includes a automatic bar screen, primary sedimentation in roto-strainers which removes the gross solids, a trickling filter and secondary clarification in two combination clarifier/anaerobic digesters, followed by disinfection by sodium hypochlorite prior to discharge to ARSA outfall. The plant has a storage pond available for emergency use, and several covered sludge drying beds.

ARSA is a special district which operates the Amador County Regional Outfall System. Secondary effluent produced by the City of Sutter Creek wastewater treatment plant, mixed with water diverted from Sutter Creek is stored in Henderson and Preston reservoirs. ARSA provides water to Castle Oaks Golf Course (City of Ione), to the Preston School of Industry in Ione and to a farmer. Preston filters and chlorinates the ARSA water and uses it for toilet flushing, landscaping irrigation, and fire protection. The City of Ione is working on completing a new tertiary treatment plant and will apply the effluent to the Golf Course for irrigation.

Surface water drainage is to Sutter Creek, tributary to Dry Creek, and tributary to the Mokelumne River.

The City has recently installed a new automatic bar screen and another roto-strainer to their treatment plant. They have converted from using chlorine gas for disinfection to using sodium hypochlorite. They have also covered their sludge drying beds and installed wedge tile drains.

The collection system continues to have capacity problems caused by hydraulic overloading and blockages which have resulted in overflows of raw sewage to Sutter Creek. The City has pursued several sources for money to correct this problem including SWRCB grant funding but, has not, as yet, received the funding. The City is now pursuing other funding sources.



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Section 7, T6N, R11E, MDB&M
Amador City 7.5' Quadrangle
Scale: 1" = 2000 feet