

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 89-044
NPDES NO. CA0104426

WASTE DISCHARGE REQUIREMENTS
AND NPDES PERMIT
FOR
CITY OF EL CENTRO
El Centro - Imperial County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. City of El Centro (hereinafter referred to as the discharger), P. O. Box 4450, El Centro, California 92243, submitted a National Pollutant Discharge Elimination System Application for Permit to Discharge on February 21, 1989. Said application is assigned Application No. CA0104426.
2. The discharger presently discharges a yearly average flow of 4.8 million gallons-per-day of wastewater from an activated sludge type treatment plant, which is designed for an average daily flow of 5.0 million gallons-per-day, into Central Drain near the center of Section 25, T15S, R13E, SBB&M. The wastewater flows 8 miles and enters Alamo River 39 miles from Salton Sea. The discharger is currently constructing additional treatment works to refurbish some existing units.
3. The discharger reports that there are no known industrial wastes subject to regulation under the NPDES Pretreatment Program for the pretreatment of industrial wastewater being discharged to the wastewater treatment plant.
4. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.
5. The primary purpose of drains in the Imperial Valley is for conveyance of surface and subsurface drainage in support of agricultural production. The beneficial uses of water in the Imperial Valley drains are:
 - a. Freshwater replenishment for Salton Sea.
 - b. Warmwater habitat for fish and wildlife.
 - c. Recreation - non-water contact.
6. The discharge has been subject to waste discharge requirements adopted June 30, 1984 (NPDES No. CA0104426) which allows discharge to Central Drain.

*Superseded
by Board Order
94-052
6/29/94*

7. The discharge has also been subject to provisions of Board Order No. 85-061 which incorporated updated language for the NPDES pretreatment program for pretreatment of industrial wastewater.
8. In accordance with Water Code Section 13389 and Section 15263, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements is exempt from the California Environmental Quality Act requirements to prepare an Environmental Impact Report or Negative Declaration (Public Resources Code, Section 21100 et seq.).
9. The purpose of this Order is to renew waste discharge requirements contained in Board Order No. 84-024 and in those portions of Board Order No. 85-061 which pertain to the City of El Centro.
10. The Board has notified the discharger and interested agencies and persons of its intent to renew waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit their written views and recommendations, if any.
11. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
12. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Federal Clean Water Act, or amendments thereto, and shall take effect at the end of ten days from date of adoption provided the Regional Administrators of the U. S. Environmental Protection Agency (EPA) has no objections.

IT IS HEREBY ORDERED, that the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Act and the regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Representative samples of wastewater discharged to Central Drain shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate¹</u>	<u>7-Day Arithmetic Mean Discharge Rate²</u>
20°BOD ₅	mg/l	30	45
Suspended Solids	mg/l	30	45
Settleable Matter	ml/l	0.3	0.5

2. The 30-day average percent removal of the pollutant parameter BOD₅ and suspended solids shall not be less than 85 percent.
3. The effluent values for pH shall be maintained within the limits of 6.0 to 9.0.

B. Receiving Water Limitations

1. Wastewater discharged to Central Drain shall not:
 - a. Depress the dissolved oxygen content of said Drain below 5.0 mg/l.
 - b. Cause presence of oil, grease, scum, sludge or solids.
 - c. Contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish and other aquatic life.
2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Clean Water Act and regulations adopted thereunder.

C. Pretreatment Provisions

1. Pretreatment of Industrial Wastewaters
 - a. The permittee shall be responsible for the performance of all pretreatment requirements contained in 40 CFR Part 403 and shall be subject to enforcement actions, penalties, and other remedies by the EPA, or other appropriate parties, as provided in the Clean Water Act, as amended (33 USC 1351 et. seq.) (hereafter "Act"). The permittee shall implement and enforce its Approved

¹30-Day mean: The arithmetic mean of pollutant parameter values of samples collected in a period of 30 consecutive days.

²7-Day mean: The arithmetic mean of pollutant parameter values of samples collected in a period of 7 consecutive days.

POTW Pretreatment Program. The permittee's Approved POTW Pretreatment Program is hereby made an enforceable condition of this permit. EPA may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements as provided in the Act.

- b. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d) and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of a new industrial user, upon commencement of the discharge.
 - c. The permittee shall perform the pretreatment functions as required in 40 CFR Part 403 including, but not limited to:
 1. Implementation of the necessary legal authorities as provided in 40 CFR 403.8(f)(1);
 2. Enforcement of the pretreatment requirements under 40 CFR 403.5 and 403.6;
 3. Implementation of the programmatic functions as provided in 40 CFR 403.8(f)(2); and,
 4. Provision of the requisite funding and personnel to implement the pretreatment program as provided in 40 CFR 403.8(f)(3).
 - d. The permittee shall submit annually a report to EPA Region 9, the State, and Regional Board describing the permittee's pretreatment activities over the previous twelve months. In the event that the permittee is not in compliance with any conditions or requirements of this permit, the permittee shall also include the reasons for non-compliance and state how and when the permittee shall comply with such conditions and requirements. This annual report is due on January 31 of each year and shall contain, but not be limited to, the below appendix entitled "Requirements for Pretreatment Annual Report".
2. Appendix - Requirements for Pretreatment Annual Report
- a. A summary of analytical results from representative, flow-proportioned, 24-hour composite sampling of the POTW's influent and effluent for those pollutants EPA has identified under Section 307(a) of the Act which are known or suspected to be discharged by industrial users. The permittee is not required to sample and analyze for asbestos until EPA promulgates an applicable analytical technique under 40 CFR Part 136. Sludge shall be sampled during the same 24-hour period and analyzed for the same pollutants as the influent and effluent sampling and analysis. The sludge analyzed shall be a composite sample of

a minimum of twelve discrete samples taken at equal time intervals over the 24-hour period. Wastewater and sludge sampling and analysis shall be performed a minimum of annually. The permittee shall also provide any influent, effluent or sludge monitoring data for nonpriority pollutants which the permittee believes may be causing or contributing to Interference, Pass Through or adversely impacting sludge quality. Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto.

- b. A discussion of Upset, Interference, or Pass Through incidents, if any, at the POTW treatment plant which the permittee knows or suspects were caused by industrial users of the POTW system. The discussion shall include the reasons why the incidents occurred, the corrective actions taken, and if known, the name and address of the industrial user(s) responsible. The discussion shall also include a review of the applicable pollutant limitations to determine whether any additional limitations, or changes to existing requirements, may be necessary to prevent Pass Through, Interference or noncompliance with sludge disposal requirements.
- c. The cumulative number of industrial users that the permittee has notified regarding Baseline Monitoring Reports and the cumulative number of industrial user responses.
- d. An updated list of the permittee's industrial users including their names and addresses, or a list of deletions and additions keyed to a previously submitted list. The permittee shall provide a brief explanation for each deletion. The list shall identify the industrial users subject to Federal Categorical Standards by specifying which set(s) of standards are applicable. The list shall indicate which categorical industries, or specific pollutants from each industry, are subject to local limitations that are more stringent than the Federal Categorical Standards. The permittee shall also list the noncategorical industrial users that are subject only to local discharge limitations. The permittee shall characterize the compliance status of each industrial user by employing the following descriptions:
 1. In compliance with Baseline Monitoring Report requirements (where applicable);
 2. Consistently achieving compliance;
 3. Inconsistently achieving compliance;
 4. Significantly violated applicable pretreatment requirements as defined by 40 CFR 403.8(f)(2)(vii);

5. On a compliance schedule to achieve compliance (include the date final compliance is required);
6. Not achieving compliance and not on a compliance schedule;
7. The permittee does not know the industrial user's compliance status.

A report describing the compliance status of any industrial user characterized by the descriptions in items d(3) through (7) above shall be submitted quarterly from the annual report date to EPA Region 9, the State, and Regional Board. The report shall identify the specific compliance status of each such industrial user. This quarterly reporting requirement shall commence upon issuance of this permit.

- f. A summary of the inspection and sampling activities conducted by the permittee during the past year to gather information and data regarding industrial users. The summary shall include:
 1. The names and addresses of the industrial users subject to surveillance by the permittee and an explanation of whether they were inspected, sampled, or both and the frequency of these activities at each user; and
 2. The conclusions or results from the inspection or sampling of each industrial user.
- g. A summary of the compliance and enforcement activities during the past year. The summary shall include the names and addresses of the industrial users affected by the following actions:
 1. Warning letters or notices of violation regarding the industrial users' apparent noncompliance with Federal Categorical Standards or local discharge limitations. For each industrial user identify whether the apparent violation concerned the Federal Categorical Standards or local discharge limitations;
 2. Administrative Orders regarding the industrial users' compliance with Federal Categorical Standards or local discharge limitations. For each industrial user identify whether the violation concerned the Federal Categorical Standards or local discharge limitations;
 3. Civil actions regarding the industrial users' noncompliance with Federal Categorical Standards or local discharge limitations. For each industrial user identify whether the violation concerned the Federal Categorical Standards or local discharge limitations;

4. Criminal actions regarding the industrial users' noncompliance with Federal Categorical Standards or local discharge limitations. For each industrial user identify whether the violation concerned the Federal Categorical Standards or local discharge limitations;
 5. Assessment of monetary penalties. For each industrial user identify the amount of penalties;
 6. Restriction of flow of the POTW; or
 7. Disconnection from discharge to the POTW.
- h. A description of any significant changes in operating the pretreatment program which differ from the information in the permittee's Approved POTW Pretreatment Program including, but not limited to, changes concerning: the program's administrative structure; local industrial discharge limitations; monitoring program or monitoring frequencies; legal authority or enforcement policy; funding mechanisms; resource requirements; or staffing levels.
 - i. A summary of the annual pretreatment budget, including the cost of pretreatment program functions and equipment purchases.
 - j. A summary of public participation activities to involve and inform the public.
 - k. A description of any changes in sludge disposal methods and a discussion of any concerns not described elsewhere in the report.

Duplicate signed copies of these reports shall be submitted to the Regional Administrator and the State and Regional Boards at the following addresses:

Regional Administrator
U.S. Environmental Protection Agency
Region 9 Attn: W-3
215 Fremont Street
San Francisco, CA 94105

State Water Resources Control Board
P. O. Box 100
Sacramento, CA 95814
Attn: Archie Matthews, Chief of Regulatory Section

California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

3. An annual report stating that no industrial wastes subject to regulation under the NPDES pretreatment program are discharged to the wastewater treatment plant may be submitted to the Regional Board in lieu of the Pretreatment Annual Report described in Provision 1.d. above.

Copies of this report shall be submitted to the EPA Regional Administrator and the State Board (addresses above).

D. Other Provisions

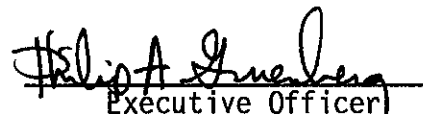
1. Neither the treatment nor the discharge of wastewater shall create pollution nor a nuisance as defined in Division 7 of the California Water Code.
2. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
3. Treated or untreated sludge, or similar solid waste materials shall be disposed only at locations approved by the Executive Officer.
4. Sewage sludge shall not be discharged to any natural or artificial channel.
5. This Order includes the attached "Monitoring and Reporting Program No. 89-044", and future revisions thereto, as specified by the Executive Officer, and Standard Provisions dated December 23, 1985.
6. Bioassays shall be performed quarterly to evaluate the toxicity of the discharged wastewater in accordance with the following procedures.
 - a. Within 4 months of the effective date of this Order, the discharger shall begin conducting bioassays on the fish species *Pimephales promelas* (fathead minnow) and *Ceriodaphnia*. Fish bioassays shall be performed according to the protocol given in EPA/600/4-85/014 - Short Term Methods for Estimating the Chronic Toxicity of Effluent and Receiving Waters to Freshwater Organisms.
 - b. The bioassay test specified above in 6.a. shall be performed quarterly for a period of at least one year (minimum of four tests per organism).
 - c. When the program described above in 6.a. and 6.b. has been completed, this permit will be reopened. At that time, effluent variability will be calculated and a numerical effluent limit established for toxicity. Compliance monitoring shall then be based on annual bioassays of the organism which showed greater

sensitivity during the effluent characterization program. Selection of the more sensitive species will be made by the Regional Board.

7. This Order expires (5) years from June 28, 1989 and the discharger shall file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, at least 180 days in advance of such date as an application for issuance of new waste discharge requirements.
8. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
9. The discharger's wastewater treatment plant (WWTP) shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Chapter 4, Subchapter 14, Title 23, California Code of Regulations.
10. The discharger shall implement acceptable operational and maintenance practices at the WWTP so that needed repairs and maintenance are performed in a timely manner.
11. The discharger shall exclude from the wastewater treatment plant any liquid or solid waste which could adversely effect the plant operation or effluent quality. The excluded liquid or solid waste shall be disposed of in accordance with applicable regulations.
12. When the discharger determines that the plant has 4 years of remaining capacity, it shall inform the Regional Board of its plans to remedy the capacity situation.
13. Treated or untreated sludge or similar solid waste materials shall be disposed only at locations approved by the Executive Officer.

IT IS FURTHER ORDERED that Board Order No. 84-024 and those portions of Board Order No. 85-061 which pertain to the City of El Centro be superseded by this Order.

I, Phil Gruenberg, 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, Colorado River Basin Region, on June 28, 1989.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 89-044
FOR
CITY OF EL CENTRO
El Centro - Imperial County

Location of Discharge: Central Drain near the center of Section 25, T15S, R13E,
SBB&M

EFFLUENT MONITORING

Wastewater discharged into Central Drain shall be monitored for the following constituents. A sampling station shall be established at the point of discharge and shall be located where representative samples of effluent can be obtained.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°BOD ₅	mg/l	24-Hr. Composite	Weekly
Suspended Solids	mg/l	24-Hr. Composite	Weekly
Settleable Matter	ml/l	Grab at Peak Flow	Weekly
pH	pH Units	Grab	Daily ¹
Flow	MGD	Daily ²	Reported Monthly
Bioassay			Quarterly for 1st Year - Yearly Thereafter

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for 20°BOD₅ and for Suspended Solids, bi-weekly, 24-Hr. Composite.

¹Once per weekday

²For each day with average monthly flow calculated

OPERATION AND MAINTENANCE

Activity

Reporting

To inspect and document any operational and maintenance problems by reviewing each unit process

Yearly

REPORTING

Monthly, bi-weekly, weekly and daily monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year. Yearly reports shall be submitted by January 15 of the following year.

Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

A copy of the Discharger Monitoring Report shall also be sent to:

Regional Administrator
Environmental Protection Agency
Region 9, Attn: 65/MR, W-3
215 Fremont Street
San Francisco, CA 94105

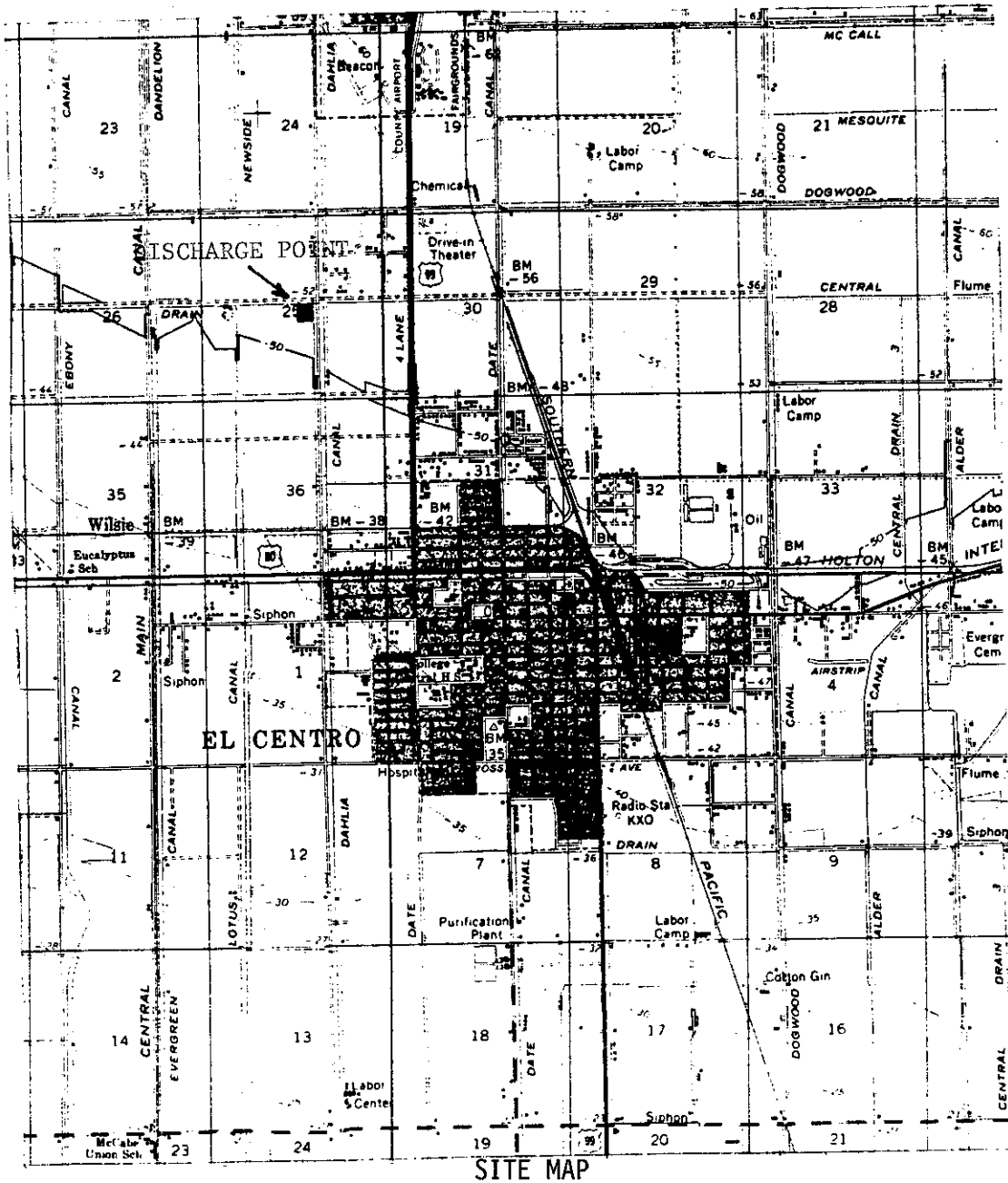
ORDERED BY:

Philip A. Guenzler
Executive Officer

June 28, 1989

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



CITY OF EL CENTRO
City of El Centro - Imperial County
Center of Section 25, T15S, R13E, SBB&M

Order No. 89-44