

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 93-064

NPDES NO. CA0057070

WASTE DISCHARGE REQUIREMENTS

FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
(F. E. Weymouth Filtration Plant)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. The Metropolitan Water District of Southern California discharges wastes under waste discharge requirements contained in Order No. 84-103 (NPDES Permit No. CA0057070) adopted by this Board on November 19, 1984.
2. The Metropolitan Water District of Southern California has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System permit.
3. The Metropolitan Water District of Southern California operates the F. E. Weymouth Filtration Plant at 700 Moreno Avenue, La Verne, California. The plant treats a blend of State project and Colorado River waters for domestic purposes. Up to 150,000 gallons per day of waste water will be discharged intermittently into Marshall Creek Flood Control Channel, a water of the United States, above the tidal prism. Marshall Creek is tributary to Puddingstone Lake, a recreational facility. Puddingstone Lake is tributary to San Gabriel River via Walnut Creek, near Valley Boulevard, Baldwin Park.

The wastes discharge are described as follows:

Discharge Serial No. 001: Abandoned and no longer in use.

Discharge Serial No. 002: Intermittent discharge of up to 15,000 gallons per day of domestic water pipeline flushing for maintenance purposes, and curing water from concrete pipe repair. This discharge flows to the Marshall Creek Flood Control Channel at a point about 3,000 feet downstream from Foothill Boulevard. The average flow is 5,000 gallons per day.

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Discharge Serial No. 003: A discharge of up to 135,000 gallons per day of wastes skimmed from the sludge sedimentation basin. The discharge flows to the Marshall Creek Flood Control Channel at a point about 3,640 feet downstream from Foothill Boulevard. The average flow is 50,000 gallons per day. Normally, the wastes are discharged directly to the community sewer. Discharge from the sedimentation basin to the creek would occur only during an emergency when the Filtration Plant cannot discharge to the sewer.

4. The discharges are intermittent and will occur over a total period of approximately 12 hours per day. Coagulants and disinfectant are added to the main filtration plant, but no chemicals are added to the settling basins. The sludge is allowed to dry and is periodically hauled to a legal disposal site.
5. All sanitary wastewater from the facility is discharged to the community sewer system.
6. The Board adopted a Water Quality Control Plan for Los Angeles River Basin on June 3, 1991. The plan contains water quality objectives for San Gabriel River and its tributaries.
7. On April 11, 1991, State Water Resources Control Board adopted a Water Quality Control Plan for Inland Surface Waters. This plan contains narrative and numerical water quality objectives.

Due to the nature of the discharge priority pollutants are not expected to occur in the effluent. Therefore, no numerical effluent limitations for these constituents are needed to protect the receiving water and beneficial uses.
8. The requirements contained in this Order, as they are met, will be in conformance with the goals and objectives of the Water Quality Control Plans.
9. The beneficial uses of the receiving waters are: warm and cold freshwater and wildlife habitat, groundwater recharge, municipal and domestic supply, agricultural supply, and (within the tidal prism) water contact and non-contact water recreation, industrial service supply, ocean commercial and sport fishing, preservation of rare and endangered species, marine habitat, and saline water habitat.
10. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.

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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 to submit their written views and recommendations. The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

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 the date of its adoption, provided the Regional Administrator of the Environmental Protection Agency, EPA, has no objections.

IT IS HEREBY ORDERED, that Metropolitan Water District of Southern California - F. E. Weymouth Filtration Plant, 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 regulations and guidelines adopted thereunder, shall comply with the following:

I. Effluent Limitations

1. Wastes discharged shall be limited to skimmed wastes from the sludge settling basin, domestic water pipeline flushing, and curing water from concrete pipe repair only, as proposed.
2. The discharge of an effluent in excess of the following limits is prohibited:

<u>Constituent</u>	<u>Units</u>	<u>Discharge Limitation</u> <u>Maximum</u>
Suspended Solids	mg/l	75
	lbs/day*	94
BOD ₅ 20°C	mg/l	30
	lbs/day*	37.6
Settleable solids	ml/l	0.2
Oil and grease	mg/l	15
	lbs/day*	18.8
Turbidity	NTU	75

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<u>Constituent</u>	<u>Units</u>	<u>Discharge Limitation</u> <u>Maximum</u>
Total dissolved solids	mg/l lbs/day*	750 938
Sulfate	mg/l lbs/day*	300 375
Chloride	mg/l lbs/day*	150 188
NO ₃ -N + NO ₂ -N	mg/l lbs/day*	8 10

*Based on total waste flow of 150,000 gallons per day

II. Receiving Water Limitations

1. The wastes discharged shall not cause the pH of the receiving water to be less than 6.5 nor more than 8.5. The wastes discharged shall not change the normal ambient pH levels of the receiving waters by more than 0.5 units within any given 24-hour period.
2. The wastes discharged shall not increase the receiving water temperature at any time or place by more than 5°F above ambient receiving water temperature; except when ambient receiving water is less than 60°F, then the wastes discharged shall not increase the receiving water temperature above 70°F. The wastes discharged shall not increase the temperature of the receiving waters at any time or place by more than 5°F within any given 24-hour period.
3. The wastes discharged shall not cause the dissolved oxygen concentration of the receiving waters to be depressed below 5.0 mg/l; except when natural conditions cause lesser concentrations, in which case the wastes discharged shall not cause any further reduction in the dissolved oxygen concentration of the receiving waters.
4. The wastes discharged shall not degrade surface water communities and populations, including vertebrate, invertebrate and plant species.
5. The wastes discharged shall not impair the natural taste and odor of fish, shellfish or other surface water resources used for human consumption.

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6. The wastes discharged shall not produce concentrations of toxic substances in the receiving waters that are toxic to or produce detrimental physiological responses in human, animal or aquatic life.
7. The wastes discharged shall not contain biostimulatory substances in concentrations that promote aquatic growth to the extent that such growth causes nuisance or adversely affects beneficial uses.
8. The wastes discharged shall not cause any increase in turbidity to the extent that such an increase causes nuisance or adversely affects beneficial uses.
9. The wastes discharged shall not result in problems due to breeding of mosquitoes, gnats, black flies, midges or other pests.

III. Requirements and Provisions

This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements".

IV. Expiration Date

This Order expires on October 10, 1998.

The discharger must file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

V. Rescission

Order No. 84-103, adopted by this Board on November 19, 1984, is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on November 1, 1993.



ROBERT P. GHIRELLI, D.Env.
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6141
FOR

The Metropolitan Water District of Southern California
(F.E. Weymouth Filtration Plant)
(NPDES NO. CA0057070)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by January 15, 1994.

Monitoring shall be submitted by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. The following shall constitute the effluent monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of sample</u>	<u>Minimum Frequency of Analysis</u> [1]
Temperature	oF	grab	once per discharge day
Total waste flow	gal/day	----	once per discharge day
pH	units	grab	once per discharge day
Suspended Solids	mg/l	grab	once per discharge day
BOD ₅ 20°C	mg/l	grab	once per discharge day
Settleable solids	ml/l	grab	once per discharge day
Oil and grease	mg/l	grab	once per discharge day
Turbidity	NTU	grab	once per discharge day
Total dissolved solids	mg/l	grab	once per discharge day
Sulfate	mg/l	grab	once per discharge day
Chloride	mg/l	grab	once per discharge day
NO ₃ -N + NO ₂ -N	mg/l	grab	once per discharge day

[1] No more than one sample per week is required during periods of extended discharge. Sampling shall be during the first hour of discharge.

Ordered by: Robert P. Ghirelli Date: November 1, 1993
ROBERT P. GHIRELLI, D.Env.
Executive Officer