

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
METROPOLITAN WATER DISTRICT OF SOUTH CALIFORNIA
(Rio Hondo Power Plant)
NPDES NO. CAG994003
CI-6742

FACILITY LOCATION

9840 Miller Way
South Gate, CA 90280

FACILITY MAILING ADDRESS

P.O. Box 54153
Los Angeles, CA 90054

PROJECT DESCRIPTION

Metropolitan Water District of Southern California (MWD) discharges non-contact cooling water from the Rio Hondo Power Plant located at 9840 Miller Way, South Gate, California. Potable water is used as non-contact lubricating/cooling water for the turbine-generator unit. MWD does not add any chemicals including chlorine to this turbine cooling water discharge. The subject discharge is regulated under General NPDES Permit No. CAG994003 (Order No. R4-2004-0058) which was issued on December 14, 2007. MWD submitted a Notice of Intent (NOI) form, and analytical results of wastewater samples to continue enrollment under the General NPDES Permit No. CAG994003, Order No. R4-2009-0047, which was adopted by the Board on April 2, 2009. The existing enrollment under Order No. R4-2004-0058, is superseded by this new permit.

VOLUME AND DESCRIPTION OF DISCHARGE

Up to 87,000 gallons per day of nonprocess wastewater is discharged to the Rio Hondo at Discharge Point M-001 (Latitude 33°56'23", Longitude 118°10'07"), which flows to the Los Angeles River, a water of the United States. The site location map is shown as Figure 1.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents in the Table below have been determined to show reasonable potential to exist in the discharge. The wastewater discharged from the subject site flows into the Los Angeles River between Figueroa Street and Los Angeles River Estuary (Willow Street); therefore, the discharge limitations specified in Attachment B.7.d. are applicable to the discharge.

August 6, 2009

This Table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Total Dissolved Solids	mg/L	1,500	---
Sulfate	mg/L	300	---
Chloride	mg/L	190	---
Nitrogen*	mg/L	8.0	---
Sulfides	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Methylene Blue Active Substances (MBAS)	mg/L	0.5	---

* Nitrate-nitrogen plus nitrite-nitrogen (NO₃-N + NO₂-N).

FREQUENCY OF DISCHARGE

The discharge of non-contact lubricating/cooling water is continuous.

REUSE OF WATER

It is not economically feasible to haul all the wastewater for off-site disposal. It is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for the discharge. Therefore, the wastewater is discharged to the Los Angeles River in compliance with the requirements of the attached order.

