

EXHIBIT 2

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

CENTRAL VALLEY REGION

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ORDER NO. R5-2008-0033
NPDES NO. CA0084239

**WASTE DISCHARGE REQUIREMENTS FOR THE
 MALAGA COUNTY WATER DISTRICT
 WASTEWATER TREATMENT FACILITY
 FRESNO COUNTY**

The following Discharger is subject to waste discharge requirements as set forth in this Order:

Table 1. Discharger Information	
Discharger	Malaga County Water District
Name of Facility	Malaga Wastewater Treatment Facility
Facility Address	3749 South Maple Avenue
	Fresno, CA 93725
The U.S. Environmental Protection Agency (USEPA) and the Regional Water Quality Control Board have classified this discharge as a major discharge.	

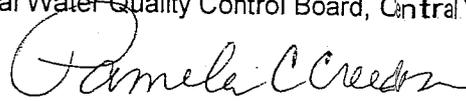
For the discharge identified below:

Table 2. Discharge Location				
Discharge Point	Effluent Description	Discharge Point Latitude	Discharge Point Longitude	Receiving Water
001	Tertiary Treated	36° 40' 43" N	119° 44' 41" W	Central Canal
002	Secondary Treated	Evaporation/Percolation Ponds (Disposal Ponds)		Groundwater

Table 3. Administrative Information	
This Order was adopted by the Regional Water Quality Control Board on:	14 March 2008
This Order shall become effective on:	14 March 2008
This Order shall expire on:	14 March 2013
The Discharger shall file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, as application for issuance of new waste discharge requirements no later than:	14 September 2012

IT IS HEREBY ORDERED that Order No. 99-100 is rescinded upon the effective date of this Order, except for enforcement purposes, and, in order to meet the provisions contained in Division 7 of the Water Code (commencing with section 13000) and regulations adopted thereunder, and the provisions of the federal Clean Water Act (CWA) and regulations and guidelines adopted thereunder, the Discharger shall comply with the requirements in this Order.

I, PAMELA C. CREEDON, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on 14 March 2008.



PAMELA C. CREEDON, Executive Officer

IV. EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

A. Facility Effluent Limitations

Unless otherwise indicated, the following Effluent Limitations apply to both Discharge Points 001 and 002. Compliance with these limitations shall be measured at monitoring locations 001 and 002, respectively. The Effluent shall not:

1. Exceed an average monthly daily flow of:
 - a. 0.45 mgd at Discharge Point 001
 - b. 0.85 mgd at Discharge Point 002
 - c. 1.2 mgd, total
2. As an average monthly EC, exceed the monthly flow-weighted average of EC in the source water plus 500 µmhos/cm, or a total of 1,000 µmhos/cm, whichever is more stringent.
3. Exceed a chloride concentration of 175 mg/L as a daily maximum.
4. Exhibit a pH of less than 6.5 or greater than 8.3 standard units.

B. Effluent Limitations – Discharge Point D-001(Tertiary Treatment)

1. Final Effluent Limitations

The Discharger shall maintain compliance with the following effluent limitations at Discharge Point 001, with compliance measured at Monitoring Location M-001 as described in the attached MRP:

a. Conventional, Priority, and Non-Conventional Pollutants:

Table 6. Effluent Limitations				
Parameter	Units	Effluent Limitations		
		Average Monthly	Average Weekly	Maximum Daily
Conventional Pollutants				
Biochemical Oxygen Demand (BOD ₅) @ 20°C	mg/L	10	15	30
	lbs/day ¹	38	56	113
Total Suspended Solids (TSS)	mg/L	10	15	30
	lbs/day ¹	38	56	113
Settleable Solids	ml/L	0.1	--	0.2
Priority Pollutants⁴				
Bromoform	µg/L	4.3	--	8.6

Table 6. Effluent Limitations				
Parameter	Units	Effluent Limitations		
		Average Monthly	Average Weekly	Maximum Daily
Chlorodibromomethane (Dibromochloromethane)	µg/L	0.41	--	0.82
Dichlorobromomethane (Bromodichloromethane)	µg/L	0.56	--	1.1
Non-Conventional Pollutants				
Ammonia Nitrogen, Total (as N) (May-October) ³	mg/L	0.8	--	1.1
	lbs/day ¹	3.0	--	4.1
Ammonia Nitrogen, Total (as N) (November-April) ³	mg/L	0.4	--	0.6
	lbs/day ¹	1.5	--	2.3
Boron	mg/L	--	--	1.0
Turbidity	NTU	2	--	5 ²

1. Based on a design flow of 0.45 mgd
2. 5 NTU more than 5% of the 24-hour period, 10 NTU at any time
3. Effective 19 May 2010. In interim, see Table 7
4. Effective 1 November 2008, if the Discharger certifies to the Executive Officer in writing that the ultraviolet system is operational and chlorine is no longer being used for disinfection purposes or detected in the effluent, the Executive Officer may, at her discretion, notify the Discharger that these effluent limitations and associated monitoring are suspended.

- b. **Percent Removal:** The average monthly percent removal of BOD and total suspended solids shall not be less than 90 percent.
- c. **Acute Whole Effluent Toxicity.** Survival of aquatic organisms in 96-hour bioassays of undiluted waste shall be no less than:
 - i. 70% for any one bioassay; and
 - ii. 90% for the median of any three consecutive bioassays.
- d. **Total Residual Chlorine.** Effluent total residual chlorine shall not exceed:
 - i. 0.01 mg/L, as a 4-day average; and
 - ii. 0.02 mg/L, as a 1-hour average;
- e. **Total Coliform Organisms.** Effluent total coliform organisms shall not exceed:
 - i. 2.2 most probable number (MPN)/ 100 mL as a 7-day median;
 - ii. 23 MPN/ 100 mL more than once in any month; and
 - iii. 240 MPN/100 ml at any time.

2. Interim Effluent Limitations

The interim effluent limitations in Table 7 shall apply in lieu of the final effluent limitations specified for the same parameters in Table 6 until the effective date of the final effluent limitations as specified in footnotes 3 and 4, Table 6:

Parameter	Units	Effluent Limitations	
		Average Monthly	Maximum Daily
Ammonia	mg/L	--	1.3
Bromoform	µg/L	---	28
Chlorodibromomethane (Dibromochloromethane)	µg/L	---	143
Dichlorobromomethane (Bromodichloromethane)	µg/L	---	162

C. Land Discharge Specifications – Discharge Point D-002 (Secondary Treatment)

The Discharger shall maintain compliance with the effluent limitations in Table 8 at Discharge Point D-002, with compliance measured at Monitoring Location M-002 as described in the attached MRP:

Parameter	Units	Effluent Limitations	
		Average Monthly	Maximum Daily
Biochemical Oxygen Demand (BOD) (5 day @ 20 °C)	mg/L	40	80
Total Suspended Solids (TSS)	mg/L	40	80
Settleable Solids	mL/L	0.2	1.0

D. Reclamation Specifications

Not Applicable

V. RECEIVING WATER LIMITATIONS

A. Surface Water Limitations

Receiving water limitations are based on water quality objectives contained in the Basin Plan and are a required part of this Order. The discharge shall not cause the following in the Central Canal:

- 1. Un-ionized Ammonia.** Un-ionized ammonia to be present in amounts that adversely affect beneficial uses or to be present in excess of 0.025 mg/L (as N).

Table E-1. Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
---	M-INF	WWTF influent at the inlet of the headworks
001	M-001	Following disinfection and prior to discharge to the Central Canal (36°40'43" N. Latitude and 119°40'41" W. Longitude).
002	M-002	After the secondary clarifiers, but prior to filtration units and discharge to the disposal ponds.
---	R-001	500 feet upstream of Discharge Point D-001
---	R-002	500 feet downstream of Discharge Point D-001
---	SPL-001	Water Supply
---	G-001 – G-004	Groundwater Monitoring Wells
---	PND-001	Disposal Ponds
---	BIO-001	Sludge drying beds before removal to storage or disposal

III. INFLUENT MONITORING REQUIREMENTS

A. Monitoring Location M-INF

1. The Discharger shall monitor influent to the WWTF at Monitoring Location M-INF as follows:

Table E-2. Influent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Flow	mgd	Metered	Continuous	
Biochemical Oxygen Demand (BOD) (5 day @ 20°C)	mg/L	24-hr Composite ²	1/Week	[1]
Total Suspended Solids (TSS)	mg/L	24-hr Composite ²	1/Week	[1]

1. Pollutants shall be analyzed using the analytical methods described in 40 CFR 136

2. 24-hour flow proportional composite

IV. EFFLUENT MONITORING REQUIREMENTS

A. Monitoring Location M-001

1. The Discharger shall monitor at Monitoring Location M-001 as follows. If more than one analytical test method is listed for a given parameter, the Discharger must select from the listed methods and corresponding Minimum Level:

Table E-3. Tertiary Effluent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency ⁴	Required Analytical Test Method
Flow	mgd	Metered	Continuous ⁷	
Turbidity	NTU	Grab	1/Week	
pH	standard units	Grab	1/Day	1

Table E-3. Tertiary Effluent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency ⁴	Required Analytical Test Method
Electrical Conductivity @ 25°C (EC)	µmhos/cm	Grab	1/Day	1
Temperature ³	°F	Grab	1/Day	1
Residual Chlorine, Total (TRC) ⁹	mg/L	Grab	1/Day	1,2
Settleable Solids (SS)	ml/L	Grab	1/Day	1
Total Coliform Organisms (TCO)	MPN/100 ml	Grab	1/Week	1
Biochemical Oxygen Demand (BOD) (5 day @ 20 °C)	mg/L	24-hr Composite ⁸	1/Week	1
	Lbs/day	Calculated	1/Week	1
Total Suspended Solids (TSS)	mg/L	24-hr Composite ⁸	1/Week	1
	Lbs/day	Calculated	1/Week	1
Total Dissolved Solids (TDS)	mg/L	24-hr Composite ⁸	1/Month	1
Ammonia Nitrogen, Total (as N) ⁵	mg/L	Grab	1/Month	1
	Lbs/day	Calculated	1/Month	1
Nitrate Nitrogen, Total (as N)	mg/L	Grab	1/Month	1
	Lbs/day	Calculated	1/Month	1
Total Nitrogen	mg/L	Grab	1/Month	1
Phosphorus, Total (as P)	mg/L	Grab	1/Month	1
Aluminum ⁹	µg/L	24-hr Composite ⁸	1/Month	1
Boron	µg/L	24-hr Composite ⁸	1/Month	1
Copper ⁹	µg/L	24-hr Composite ⁸	1/Month	1
Cyanide ⁹	µg/L	24-hr Composite ⁸	1/Month	1
Chloride	mg/L	24-hr Composite ⁸	1/Month	1
Fluoride	mg/L	24-hr Composite ⁸	1/Month	1
Diazinon ⁹	µg/L	24-hr Composite ⁸	1/Month	1
Bromoform ⁹	µg/L	24-hr Composite ⁸	1/Month	1
Chlorodibromomethane (Dibromochloromethane) ⁹	µg/L	24-hr Composite ⁸	1/Month	1
Dichlorobromomethane (Bromodichloromethane) ⁹	µg/L	24-hr Composite ⁸	1/Month	1
Minerals ⁶	mg/L	24-hr Composite ⁸	1/Year	1

1. Pollutants shall be analyzed using the analytical methods described in 40 CFR 136; for priority pollutants the methods must meet the lowest minimum levels (MLs) specified in Attachment 4 of the SIP, where no methods are specified for a given pollutant, by methods approved by this Regional Board or the State Board.

2. Total chlorine residual must be monitored with a method sensitive to and accurate at the permitted level of 0.01 mg/L.
3. Effluent Temperature monitoring shall be at the Outfall location.
4. If results appear to violate effluent limitations, but sampling frequency is not sufficient to validate violation, or indicates a violation and potential upset of the treatment process, the frequency shall be increased to confirm the magnitude and duration of violation, if any, and aid in identification and resolution of the problem.
5. Report as total ammonia nitrogen; record pH at time of collection.
6. Minerals shall include the following: boron, calcium, iron, magnesium, potassium, sodium, chloride, manganese, phosphorus, total alkalinity (including alkalinity series), and hardness, and include verification that the analysis is complete (i.e., cation/anion balance).
7. Flow shall be monitored continuously and recorded daily.
8. 24-hour flow proportioned composite.
9. If a statistically valid database establishes that reasonable potential no longer exists for this pollutant, the Executive Officer may, as appropriate, decrease the frequency or eliminate monitoring of the constituent in this table.

B. Monitoring Location M-002

1. The Discharger shall monitor at Monitoring Location M-002 as follows. If more than one analytical test method is listed for a given parameter, the Discharger must select from the listed methods and corresponding Minimum Level:

Table E-4. Secondary Effluent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency ³	Required Analytical Test Method
Flow	mgd	Metered	Continuous ²	
Electrical Conductivity @ 25°C (EC)	µmhos/cm	Grab	1/Day	
Biochemical Oxygen Demand (BOD) (5 day @ 20°C)	mg/L	Grab	1/Week	
	lbs/day	Calculated	1/Week	
Total Suspended Solids (TSS)	mg/L	Grab	1/Week	
	lbs/day	Calculated	1/Week	
Settleable Solids (SS)	ml/L	Grab	1/Week	
Nitrate Nitrogen, Total (as N)	mg/L	Grab	1/Quarter	
Minerals ⁴	mg/L	Grab	1/Year	

1. Pollutants shall be analyzed using the analytical methods described in 40 CFR 136
2. Flow shall be monitored continuously and recorded daily.
3. If results appear to violate effluent limitations, but sampling frequency is not sufficient to validate violation, or indicates a violation and potential upset of the treatment process, the frequency shall be increased to confirm the magnitude and duration of violation, if any, and aid in identification and resolution of the problem.
4. Minerals shall include the following: boron, calcium, iron, magnesium, potassium, sodium, chloride, manganese, phosphorus, total alkalinity (including alkalinity series), and hardness, and include verification that the analysis is complete (i.e., cation/anion balance)