



South Orange County Wastewater Authority

October 29, 2007

John H. Robertus
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA. 92123

SUBJECT: SEPTEMBER 2007 SUMMARY OF MONITORING OF ORDER NO. R9-2006-0054, NPDES NO. CA0107417

Dear Mr. Robertus:

There were six exceedences of Order R9-2006-0054 effluent limits during October.

One settleable solids analysis at the Santa Margarita Water District Chiquita Water Reclamation Plant, monitoring location M-001B, had a value of 4.0ml/L; the instantaneous maximum limit is 3.0ml/L. Bob Jordan, Water Quality Manger for SMWD, notified Joann Cofrancesco of the violation on September 19th; the cause of the high result is unknown.

Five permit limits were exceeded at the South Coast Water District Groundwater Recovery Facility, monitoring location M-001F. The facility discharged RO brine, filter backwash, and product water to the San Juan Creek Ocean Outfall. The monitoring results from the facility exceed the settleable solids instantaneous limit, and the weekly and monthly average settleable solids and turbidity limits. Since the samples were collected, SCWD has redesigned the sampling location in order to obtain what they believe will be samples more representative of the discharge. The plant has been off-line since the change to the sampling location.

The anticipated start date for the City of San Clemente Segunda Deshecha Flood Control Channel runoff treatment process is December 2007.

All bacterial objectives, except one total coliform single sample maximum, were exceeded at surfzone monitoring station C1. The C2 site was dry for the first three weeks of monitoring; two samples collected the last week of the month exceeded all bacterial objectives. Single sample fecal coliform objectives were exceeded S0, S1, S2, S3 and S5. Single sample enterococcus objectives were exceeded at S0, S1, S2, S3 S5, S7, S9, S11, and S15; the 30-day geometric mean objective was also exceeded at S15. These sites are located in or adjacent to urban runoff channels. SOCWA's discharge from the outfall is not believed to be the cause of these exceedances.

Section V.A. calls for calculation of a 30-day geometric mean using the five most recent samples from each surfzone monitoring site. Because Order R9-2006-0054 requires more frequent monitoring of the surfzone, all values for the month, for each site, were used to calculate the 30-day mean.

Sincerely,

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

A handwritten signature in black ink, appearing to read 'Tom Rosales', is written over the typed name.

Thomas R. Rosales
General Manager

34156 Del Obispo Street • Dana Point, CA 92629 • Phone: (949) 234-5400 • Fax: (949) 489-0130 • Website: www.socwa.com

A public agency created by: CITY OF LAGUNA BEACH • CITY OF SAN CLEMENTE • CITY OF SAN JUAN CAPISTRANO • EL TORO WATER DISTRICT • EMERALD BAY SERVICE DISTRICT
IRVINE RANCH WATER DISTRICT • MOULTON NIGUEL WATER DISTRICT • SANTA MARGARITA WATER DISTRICT • SOUTH COAST WATER DISTRICT • TRABUCO CANYON WATER DISTRICT

South Orange County Wastewater Authority

NPDES No. CA0107417

DISCHARGE: San Juan Creek Ocean Outfall

SAMPLED BY: ECO Resources

REPORT FOR: September 2007

ANALYZED BY: Sierra Analytical

REPORT DUE: November 01 2007

AMPLE SOURCE: SCWD GRF Brine/Backwash/Product

SAMPLE POINT: M-001F

Sample Type	Flow	Suspended Solids	Turbidity	Oil & Grease	pH	Settleable Solids
		24-HC	24-HC	Grab	Grab	Grab
Method Units	Meter MGD	EPA 160.2 mg/L	EPA 180.1 NTU	EPA 413.1 mg/L	EPA 150.1 Standard Units	EPA 160.5 ml/L
Mo. Avg. Limit		60	75	25	6.0 to 9.0	1.0
Sep-01	1.14					
Sep-02	1.14					
Sep-03	1.14					
Sep-04	1.14					
Sep-05	1.14					
Sep-06	1.14					
Sep-07	1.14					
Sep-08	1.14					
Sep-09	1.14					
Sep-10	1.14					
Sep-11	0.90					
Sep-12	1.14					
Sep-13	0.33					
Sep-14	0.00					
Sep-15	0.00					
Sep-16	0.00					
Sep-17	0.57					
Sep-18	1.14					
Sep-19	1.14					
Sep-20	1.14					
Sep-21	1.14					
Sep-22	1.14					
Sep-23	1.14					
Sep-24	1.14					
Sep-25	0.46					
Sep-26	0.79	73.0	204			
Sep-27	1.14	35.0	141	2.6	7.11	3.2
Sep-28	0.94					
Sep-29	0.94			1.4		0.2
Sep-30	0.94			<2.0	7.42	<0.1
Monthly Average	0.92	54.00	173	1.33	7.27	1.1

Comments: The facility is discharging RO Brine, filter backwash, and product water to the SJCOO.



South Orange County Wastewater Authority

September 27, 2007

John H. Robertus
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA. 92123

SUBJECT: AUGUST 2007 SUMMARY OF MONITORING OF ORDER NO. R9-2006-0054,
NPDES NO. CA0107417

Dear Mr. Robertus:

Five permit limits were exceeded at the South Coast Water District Groundwater Recovery Facility, monitoring location M-001F. The facility started preliminary test operations August 1, 2007. During this testing period, all RO brine, filter backwash, and product water was discharged to the San Juan Creek Ocean Outfall. The required monthly monitoring was performed on the discharge. The monthly average limits for suspended and settleable solids were both exceeded. All three turbidity limits were also exceeded. The South Coast Water District (SCWD) believes the sampling methodology used to collect the August monthly composite sample was in error. A review of the Groundwater Recovery System indicates that a more representative sample may be obtained from a standpipe which receives all of the component flows prior to discharge to the Chiquita Land Outfall. The August test results are substantially higher than the feed water from the source well. A sample station will be established at the standpipe where the flows are more homogeneous. SCWD has also indicated that they will conduct more frequent sampling during the month.


The anticipated start date for the City of San Clemente Segunda Deshecha Flood Control Channel runoff treatment process has been extended to December 2007.

All bacterial objectives, except one total coliform single sample maximum, were exceeded at surfzone monitoring station C1. Single sample fecal coliform objectives were exceeded twice at S15 and once at S19. Single sample enterococcus objectives were exceeded once at S3 and six times at S15; the 30-day geometric mean objective was also exceeded at S15. These sites are located in or adjacent to large urban runoff channels. SOCWA's discharge from the outfall is not believed to be the cause of these exceedances. At no time during August was there any surface water at Upper San Juan Creek monitoring station C2.

Section V.A. calls for calculation of a 30-day geometric mean using the five most recent samples from each surfzone monitoring site. Because Order R9-2006-0054 requires more frequent monitoring of the surfzone, all values for the month, for each site, were used to calculate the 30-day mean.

Sincerely,

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY


Thomas R. Rosales
General Manager

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MRP R9-2006-0054 MONTHLY MONITORING REPORT

South Orange County Wastewater Authority

NPDES No. CA0107417

DISCHARGE: San Juan Creek Ocean Outfall

SAMPLED BY: ECO Resources

REPORT FOR: August 2007

ANALYZED BY: Sierra Analytical

REPORT DUE: October 01 2007

AMPLE SOURCE: SCWD GRF Brine/Backwash/Product

SAMPLE POINT: M-001F

	Flow	Suspended Solids	Turbidity	Oil & Grease	pH	Settleable Solids
Sample Type		24-HC	24-HC	Grab	Grab	Grab
Method Units	Meter MGD	EPA 160.2 mg/L	EPA 180.1 NTU	EPA 413.1 mg/L	EPA 150.1 Standard Units	EPA 160.5 ml/L
Mo. Avg. Limit		60	75	25	6.0 to 9.0	1.0
Aug-01	1.14					
Aug-02	1.14					
Aug-03	1.14					
Aug-04	1.14					
Aug-05	1.14					
Aug-06	1.14					
Aug-07	1.14					
Aug-08	1.14					
Aug-09	1.14					
Aug-10	1.14					
Aug-11	1.14					
Aug-12	1.14					
Aug-13	1.14					
Aug-14	1.14					
Aug-15	1.14					
Aug-16	1.14					
Aug-17	1.14					
Aug-18	1.14					
Aug-19	1.14					
Aug-20	1.14					
Aug-21	1.14					
Aug-22	1.14					
Aug-23	1.14	119	260			
Aug-24	1.14			2.90	7.06	1.4
Aug-25	1.14					
Aug-26	1.14					
Aug-27	1.14					
Aug-28	1.14					
Aug-29	1.14					
Aug-30	1.14					
Aug-31	1.14					
Monthly Average	1.14	119	260	2.90	7.06	1.4

Comments: The facility began start-up operations with all RO Brine, filter backwash, and product water being discharged to the SJCOO.

WSDWAPD