

Compliance Record for Southern Regional Tertiary Treatment Plant, November 2008 to July 2013

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Violation Id	Violation Date	Violation Type	Description
927385	11/20/2008	Category 1 Pollutant	Settleable Solids Instantaneous Maximum limit is 3.0 ml/L and reported value was 14.0 ml/L.
927448	09/19/2009	Category 1 Pollutant	Chlorine, Total Residual Instantaneous Maximum limit is 5.28 mg/L and reported value was 5.29 mg/L.
927459	10/04/2009	Category 1 Pollutant	Chlorine, Total Residual Instantaneous Maximum limit is 5.28 mg/L and reported value was 5.29 mg/L.
927465	11/01/2009	Category 1 Pollutant	Chlorine, Total Residual Instantaneous Maximum limit is 5.28 mg/L and reported value was 5.29 mg/L.
927470	11/02/2009	Category 1 Pollutant	Chlorine, Total Residual Instantaneous Maximum limit is 5.28 mg/L and reported value was 5.29 mg/L.
927472	11/04/2009	Category 1 Pollutant	Chlorine, Total Residual Instantaneous Maximum limit is 5.28 mg/L and reported value was 5.29 mg/L.
927473	11/16/2009	Category 1 Pollutant	Chlorine, Total Residual Instantaneous Maximum limit is 5.28 mg/L and reported value was 5.29 mg/L.
927496	08/30/2010	Category 1 Pollutant	Settleable Solids Instantaneous Maximum limit is 3 ml/L and reported value was 5 ml/L.
927384	11/30/2008	Deficient Monitoring	The following deficiencies occurred in November 2008: a.On November 12, the effluent oil and grease sample was not reportable. b.For November 28 December 1, the effluent total chlorine residual was not continuously monitored. c.For the month of November, the effluent turbidity samples were not reportable.
927388	12/31/2008	Deficient Reporting	The following deficiencies occurred in December 2008: a.On December 31, the effluent BOD sample was not reportable. b.On December 31, the effluent TSS sample was not reportable. c.On December 31, the influent BOD sample was not reportable. d.On December 31, the Influent TSS sample was not reportable. e.On December 31, the effluent oil and grease sample was not reportable. f.On December 17, 22, and 23, the influent TSS samples were not reportable. g.For the month of December, the effluent turbidity samples were not reportable.
927400	01/31/2009	Deficient Monitoring	The following deficiencies occurred in January 2009: a.For the month of January, fifteen effluent BOD samples were not collected. As a result percent removal could not be calculated. b.For the month of January, fifteen effluent TSS samples were not collected. As a result percent removal could not be calculated. c.For the month of January, fifteen influent BOD samples were not collected. As a result percent removal could not be calculated. d.For the month of January, fifteen influent TSS samples were not collected. As a result percent removal could not be calculated. e.For the month of January, eight daily pH samples were not collected. f.For the month of January, eight daily settleable solids samples were not collected. g.For the month of January, the monthly acute toxicity sample was not reportable.
927401	02/28/2009	Deficient Reporting	The following deficiencies occurred in February 2009: a.For the month of February, the acute toxicity sample was not reportable. b.For the month of February, the chronic toxicity sample was not reportable.

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927441	03/31/2009	Deficient Reporting	The following deficiencies occurred in March 2009: a.For March 22 28, one influent BOD sample was not collected. As a result the percent removal could not be calculated. b.For March 22 28, one influent TSS sample was not collected. As a result the percent removal could not be calculated.
927444	07/31/2009	Deficient Reporting	The following deficiencies occurred in July 2009: a.On July 13, the daily pH sample was not collected. b.On July 13, the daily settleable solids sample was not collected. c.For July 23 25, the influent flow was not continuously monitored. d.For July 19 25, one influent BOD sample was not collected. As a result the percent removal could not be calculated. e.For July 25, one influent TSS sample was not collected. As a result the percent removal could not be calculated. f.For July 26 August 1, two influent BOD samples were not collected. As a result percent removal could not be calculated. g.For July 26 August 1, two influent TSS samples were not collected. As a result percent removal could not be calculated.
927446	08/31/2009	Deficient Reporting	The following deficiencies occurred in August 2009: a.On August 10, the influent oil and grease samples were not reportable. b.On August 17, the influent oil and grease samples were not reportable. c.On August 24, the influent oil and grease samples were not reportable. d.On August 31, the influent oil and grease samples were not reportable.
927461	11/30/2009	Deficient Reporting	The following deficiencies occurred in November 2009: a.On November 1, the effluent flow was not continuously monitored. b.On November 1, the effluent total chlorine residual was not continuously monitored. c.On November 30, the influent oil and grease sample was not reportable.
927488	12/31/2009	Deficient Reporting	The following deficiencies occurred in December 2009: a.For December 26 January 2, the oil and grease sample was not taken. b.For December 26 January 2, the temperature sample was not taken. c.For December 26 January 2, the dissolved oxygen sample was not taken. d.For December 26 January 2, the turbidity sample was not taken.
927490	01/31/2010	Deficient Reporting	The following deficiencies occurred in January 2010: a.On January 2, the daily pH sample was not collected. b.On January 2, the daily Settleable Solids sample was not collected. c.On January 21, the influent flow was not continuously monitored.
927491	03/31/2010	Deficient Reporting	The following deficiencies occurred in March 2010: a.On March 11, the influent flow was not continuously monitored. b.On March 20, the influent flow was not continuously monitored at multiples times throughout the day.
927492	04/30/2010	Deficient Reporting	The following deficiencies occurred in April 2010: a.For April 11 17, two influent BOD samples were not reportable; as a result percent removal could not be calculated. b.For April 16 17, the influent flow was not continuously monitored.
927493	05/31/2010	Deficient Reporting	The following deficiencies occurred in May 2010: a.For May 2 8, two influent BOD samples were not collected. As a result percent removal could not be calculated. b.For May 2 8, two influent TSS samples were not collected. As a result percent removal could not be calculated. c.For May 23 29, one influent BOD samples were not collected. As a result percent removal could not be calculated. d.For May 23 29, one influent TSS samples were not collected. As a result percent removal could not be calculated.

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927494	06/30/2010	Deficient Reporting	The following deficiencies occurred in June 2010: a.For May 30 June 5, one influent BOD sample was not collected. As a result percent removal could not be calculated. b.For May 30 June 5, one influent BOD sample was not collected. As a result percent removal could not be calculated. c.For June 1 2, the influent flow was not continuously monitored.
927495	08/31/2010	Deficient Reporting	The following deficiencies occurred in August 2010: a.For August 15 21, one influent BOD sample was not collected. As a result percent removal could not be calculated. b.For August 15 21, one influent TSS sample was not collected. As a result percent removal could not be calculated.
927508	09/30/2010	Deficient Reporting	The following deficiencies occurred in September 2010: a.For September 25 30, one influent BOD sample was not reportable. As a result percent removal could not be calculated. b.For September 25 30, one influent TSS sample was not reportable. As a result percent removal could not be calculated. c.On September 30, the influent flow was not continuously monitored.
927509	10/31/2010	Deficient Reporting	The following deficiencies occurred in October 2010: a.For October 1 5, the influent flow was not continuously monitored. b.For October 3 9, three influent BOD samples were not collected. As a result percent removal could not be calculated. c.For October 3 9, three influent TSS samples were not collected. As a result percent removal could not be calculated. d.On October 12, the effluent total chlorine residual was not continuously monitored. e.For October 17 18, the influent flow was not continuously monitored. f.On October 19, the influent flow was not continuously monitored. g.For October 17 23, one influent BOD sample was not collected. As a result percent removal could not be calculated. h.For October 17 23, one influent TSS sample was not collected. As a result percent removal could not be calculated.
927511	12/31/2010	Deficient Reporting	The following deficiencies occurred in December 2010: a.On December 18, the daily pH sample was not collected. b.On December 18, the daily settleable solids sample was not collected. c.For December 18 19, the effluent Total Chlorine Residual was not continuously monitored. d.For December 19 25, one influent BOD sample was not collected. As a result percent removal could not be calculated. e.For December 19 25, one influent TSS sample was not collected. As a result percent removal could not be calculated. f.For December 21 22, the influent flow was not continuously monitored.
927512	01/31/2011	Deficient Reporting	The following deficiencies occurred in January 2011: a.For January 2 8, one influent BOD sample was not collected. As a result percent removal could not be calculated. b.For January 2 8, one influent TSS sample was not collected. As a result percent removal could not be calculated. c.For January 5 7, the influent flow was not continuously monitored. d.On January 13, the effluent total chlorine residual was not continuously monitored.
927515	03/31/2011	Deficient Reporting	The following deficiencies occurred in March 2011: a.For March 21 22, the effluent total chlorine residual was not continuously monitored. b.For March 25 29, the effluent total chlorine residual was not continuously monitored. c.On March 28, the effluent turbidity sample exceeded the 48 hours sample hold time.
927516	04/30/2011	Deficient Reporting	The following monitoring and reporting violations occurred in April 2011: a.For April 3 9, one influent BOD sample was not collected. As a result percent removal could not be calculated.
927517	08/31/2011	Deficient Reporting	The following deficiencies occurred in August 2011: a.For August 1 2, the influent flow was not continuously monitored.

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922065	02/14/2012	Deficient Monitoring	On 2/14/12 from 1000 hours to 1615 hours, influent flow at the SRTTP was not accurately monitored. A mechanical plug on the 20-inch influent line connecting the temporary return pump station to SRTTP headworks was dislodged. This allowed a portion of influent to return back to the headworks. A new inflatable plug was installed and accurate influent flow monitoring resumed on 2/24/12 at 1615 hours. The influent BOD and TSS flow proportional composite sample, analysis results and percent removal calculations for 2/14/12 are reportable based on an investigation and a review of the influent sampler data records.
929038	05/24/2012	Deficient Monitoring	On 5/24/12 at 1830 hours to 5/25/12 at 0630 hours, the SRTTP effluent flow meter failed to register/record flow. The meter that failed was installed on 5/24/12 at 0830 hours. During construction activities, the effluent flow was diverted to Lemon Grove Ponds on 5/25/12 at 0630 hours. When the effluent flow was re-directed back to the Oceanside OO at 0950 hours it was discovered the effluent flow meter was not operational. The effluent flow was again diverted back to Lemon Grove Ponds. The old meter was re-installed and effluent flow monitoring was returned to service at 1100 hours. As a result of the failed flow meter, effluent biological oxygen demand (BOD)/ total suspended solids (TSS) samples and percent removals were not calculated.
950623	08/02/2012	Deficient Monitoring	For the period 8/2/12 to 8/31/12 the grab pH samples results are deemed invalid and as a result are not reportable. An investigation was conducted to determine pH results were greater than the historical trends. The investigation determined instrument used to monitor pH was unserviceable. To prevent a recurrence, training on instrument calibration and how to identifying unserviceable instruments was improved.
938621	09/05/2012	Deficient Monitoring	For the period 8/2/12 to 8/31/12 the grab pH samples results are deemed invalid and as a result are not reportable. An investigation was conducted to determine pH results were greater than the historical trends. The investigation determined instrument used to monitor pH was unserviceable. To prevent a recurrence, training on instrument calibration and how to identifying unserviceable instruments was improved. On 9/5/12 at 1430 hours to 9/12/12 at 1000 hours total chlorine residual at the SRTTP Oceanside Ocean Outfall Pump Stations was inaccurately monitored and recorded. On 9/12/12 a contractor, during a servicing of the total chlorine residual meter discovered the meter was set to monitor chlorine dioxide and not total residual chlorine. SRTTP operations staff performed servicing on the total residual chlorine meter and probe on 9/5/12, where upon the chlorine dioxide mode of monitoring was unintentionally selected. It remained in the incorrect setting until the total chlorine residual meter service contractor discovered it on 9/12/12 during monthly servicing and calibration verification. The contractor first notified the SRTTP chief operator, and then the contractor calibrated the meter, returning it to service on 9/12/12 at 1000 hours. Preventative SOP measures were initiated to include verification of meter setting after field calibration and or servicing are performed and a step was added to the operators daily round sheet to verify total chlorine residual meter is set to monitor total chlorine residual.
944439	01/25/2013	Deficient Reporting	The parameters of Biological Oxygen Demand, Total Suspended Solids (BOD/TSS), Settable Solids, pH, Turbidity, and Oil and Grease from 1/25/13 were monitored at EFF-001 monitoring location. These parameters once AWT brine began discharging on 1/25/13 to Oceanside Ocean Outfall (EFF-001) required monitoring at EFF-002 location. The result of monitoring at the incorrect location impacted daily reporting requirements and impacted calculations of weekly averages, monthly averages for concentration, daily, weekly and monthly discharge loading, and percent removal results.

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945715	02/03/2013	Deficient Monitoring	Monthly flow composite CBOD sample not collected and analyzed. The SRTTP effluent flow meter was experiencing intermittent signals from the meter to the SCADA system; as a result all effluent flows were diverted to the Lemon Grove Ponds beginning on 2/1/13 at 1017 hours until 2/5/13 at 0812 hours when the compliant flow signal was restored. During the time when effluent flows were diverted, due to the intermittent flow signal problem, a false signal was still sent to the effluent flow composite samplers. As a result, on 2/3/13, a non-compliant CBOD effluent flow composite sample was collected and analyzed on the assumption that the sample was compliant. This item is scheduled for discussion at the March 2013 SRTTP monthly operation and maintenance (O&M) meeting. The discussed and agreed upon resolution will be documented in the March monthly O&M meeting minutes and adhered to in the future to prevent a reoccurrence.
955674	8/21/2013	Deficient Monitoring	The acute and chronic fish toxicity sampling and analysis was not accomplished for August 2013.
929204	12/04/2010	Unauthorized Discharge	The following unauthorized discharge violation occurred in December 2010: a. On December 4, there was a spill of 188,500 gallons of secondary treated effluent. Discharging into a location that is not authorized by this order. Only 171, 330 gallons were recovered.
920250	01/31/2012	Unauthorized Discharge	On 1/31/12 at 0755 hours, 600 gallons of secondary treated effluent spilled from the flexible mechanical coupling on 36-inch pipe which connects the sequence batch reactors (SBR) to the existing equalization (EQ) basins at SRTTP. A construction crew, excavating 20 feet below the surface adjacent to the SRTTP expansion project EQ basin and approximately 10 feet from the existing 36-inch pipe, observed water entering the excavation at a depth of approximately 15 feet. After 15 minutes the flow of water into the excavation stopped. A shoring fixture was placed in the excavation to contain any potential additional release. Pumps were placed in the excavation and 500 gallons of secondary treated effluent was recovered and returned to the headworks. The remaining 100 gallons percolated into the soil within the excavation. The construction crew cleared the soil around the SBR to EQ basin pipe and flex coupling, and no evidence of leakage or damage to the pipe and coupling was evident. During subsequent SBR decant cycle began; secondary treated effluent began to leak from the mechanical coupling at a rate of 1 GPM. Ensuing inspection determined flexible mechanical coupling fasteners were loose. The SRTTP maintenance staff torqued all coupling fasteners to specifications. The EQ pipe was returned to service on 1/31/12 at 1200 hours. The coupling and pipe was inspected during subsequent decant cycles, and no further leakage was observed. The secondary treated effluent did not reach surface waters and there was no potential for public contact.
931678	06/19/2012	Unauthorized Discharge	On 6/19/12 at 1200 hours, 250 gallons of both secondary treated and un-chlorinated tertiary treated wastewater spilled from the SRTTP Oceanside Ocean Outfall Pump Station (Oceanside OOPS) at the Advanced Water Treatment (AWT) brine line connection. The AWT brine line connection to the Oceanside OOPS was not perpendicular to the face of the Oceanside OOPS wet well wall. The spill resulted when both SRTTP secondary treated and un-chlorinated tertiary treated effluent in the Oceanside OOPS wet well rose to the level of the AWT brine pipelines improperly aligned mechanical link seal. The spill was contained within an excavation pit in the immediate vicinity of the brine line connection. Of the total volume spilled, 225 gallons were recovered was pumped out of the pit and back and returned to the Oceanside OOPS wet well to be discharged to the Oceanside Ocean Outfall. The remaining 25 gallons percolated into the ground. The link seal was temporarily repaired and the spill was stopped on 6/19/12 at 1400 hours. Lime was applied to the pit for disinfection. The spill did not reach surface waters and there was no potential for public contact. Permanent repairs were made on 6/28/12. A 20 foot section of AWT brine line was removed from the Oceanside OOPS wet well. It was realigned and a new mechanical link seal was installed.

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941268	11/01/2012	Unauthorized Discharge	<p>On 11/1/12 at 0930 hours, 1500 gallons of SRTTP secondary treated effluent was released from the 36 inch effluent line that connects sequence batch reactor (SBR) No. 2 to the equalization basins. SRTTP Operations staff stopped the spill at 0932 hours by shutting down the decanting cycle .</p> <p>During expansion construction at SRTTP, an isolation plate was installed in the effluent line inside SBR No. 2, isolating SBR No. 2 from the effluent line. This allowed diversion of secondary treated effluent into SBR No. 2 in order to complete tie-in of new equalization basin and the SBRs. The isolation plate shifted during the second decant cycle and secondary treated effluent was released in the two excavated trenches. Of the secondary effluent released 1100 gallons was recovered and 400 gallons percolated into the soil within the two excavated trenches. The recovered secondary effluent was pumped into the equalization basins.</p>
944440	01/31/2013	Unauthorized Discharge	<p>On 1/31/13 at 0300 hours to 0620 hours 400 gallons of disinfected tertiary treated effluent used as process in plant water was released into a fine drum screen structure at the SRTTP. The spill occurred when a pinhole leak developed in a wash water hose. An SRTTP operator noticed the leak, and isolated the disinfected tertiary treated effluent supply valve by shutting it off. The spill remained within the fine drum screen structure, 40 gallons was recovered and returned to the influent of the Sequencing Batch Reactor (SRB), 360 gallons percolated into the ground. The spill did not reach surface waters and there was no potential for public contact.</p>
944441	01/31/2013	Unauthorized Discharge	<p>On 1/31/13 at 1450 hours 475 gallons of disinfected tertiary treated effluent used as process in plant water was released into the Biofilter beds from the odor control system at the SRTTP. The spill resulted when a skid-steer was moved over the irrigation control valve box. The operator isolated the upstream irrigation supply valve and turned it off. The spill remained within the Biofilter bed. Of the 475 gallons, 450 gallons was recovered and returned to the influent pump station, 25 gallons percolated into the ground. The spill did not reach surface waters and there was no potential for public contact.</p>
945716	02/01/2013	Unauthorized Discharge	<p>In-Plant Spill</p> <p>On 2/1/13, 150 gallons of secondary treated effluent spilled from the SRTTP disk filters from 1039 hours to 1040 hours. The spill was caused when a pressure surge occurred from the startup of a disk filter feed pump at the equalization (EQ) basin through a single disk filter during a routine maintenance procedure. The spill was stopped when operators already stationed at the disk filters immediately opened additional filters to handle the flow. All 150 gallons percolated into the ground. The spill did not reach surface waters and there was no potential for public contact.</p>