

San Diego Regional Water Quality Control Board

March 14, 2017

Mr. Pat Humphrey
San Diego Zoological Society
15500 San Pasqual Valley Road,
Escondido, CA 92027

In reply refer to / attn:
255446:BBushnell

Subject: Review of Monitoring Reports for Order No. 99-04, San Diego Wild Animal Park

Mr. Humphrey:

The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) has reviewed the monitoring reports listed in the Table 1 below. San Diego Zoo (Discharger) submitted the monitoring reports as required by the Monitoring and Reporting Program of Order No. 99-04.

Table 1. List of Monitoring Reports Reviewed

Report Type	Report Date
Monthly Monitoring Reports	January 2015 through January 2017
Quarterly Monitoring Reports	January-March 2015, April-June 2015, July-September 2015, October-December 2015, January-March 2016, April-June 2016, July-September 2016 and October-December 2016
Annual Monitoring Reports	2015 Annual Report and 2016 Annual report

The following violations of Discharge and Operation Specifications in Order No. 99-04 section B.4 were identified in the monitoring reports:

1. The discharge specification for total coliform bacteria concentration exceeded the value of 240 Most Probable Number/100 milliliters (MPN/100mL) on January 1, 2016 and January 4, 2016 with reported values of 1600 MPN/100mL and 1600 MPN/100mL respectively. Discharge Specifications in section B.4 of Order No. 99-04 require that the effluent total coliform bacteria concentration shall not exceed 240 MPN/100 mL in more than one sample in a 30-day period.
2. The discharge specification for pH is established at a range of 6.0-9.0 standard units (SU). The pH was reported outside this range on the following dates:

Table 2. pH Effluent Violations

Date	Value (SU)
November 23, 2015	5.6
¹ December 28, 2015	5.9
November 28, 2016	3.6

¹The pH value reported for December 28, 2015 was 6.34 SU that did not match the lab results for that same day, which reported a pH value of 5.94 SU. Please make sure all values are reported accurately in future monitoring reports.

- The discharge specification for total dissolved solids (TDS), established at 1000 milligrams per liter (mg/L), was exceeded on the following dates:

Table 3. TDS Effluent Violations

Date	Value (mg/L)
March 10, 2016	1324
March 11, 2016	1370
March 12, 2016	1299
March 13, 2016	1283
March 14, 2016	1265
March 21, 2016	1190
March 29, 2016	1014
March 30, 2016	1008
July 3, 2016	1024
July 4, 2016	1152
November 27, 2016	1030

- The discharge specification for chloride, established at 400 mg/L, was exceeded on the following dates:

Table 4. Chloride Effluent Violations

Date	Value (mg/L)
March 10, 2016	470
March 11, 2016	555
March 12, 2016	499
March 13, 2016	480
March 14, 2016	500
March 21, 2016	447
July 3, 2016	422
July 4, 2016	482
September 18, 2016	451
September 20, 2016	480
September 21, 2016	580

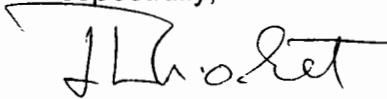
The following violations of Monitoring and Reporting Program of Order No. 99-04 were also identified in the reports reviewed:

- Addendum No. 1 of Order No. 99-04, Section 10.B., requires monthly reporting of pH values. There were no pH values reported for May 2015 or April 2015.

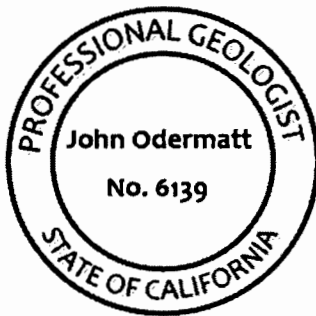
The next monitoring report required to be submitted is the February monthly monitoring report, which is due by April 1, 2017.

In the subject line of any response, please include reference **255446:BBushnell**. Please contact Mr. Brandon Bushnell at 619-521-8044, or at brandon.bushnell@waterboards.ca.gov if you have any questions or comments.

Respectfully,



John R. Odermatt, P.G. Senior Engineering Geologist
Land Discharge Unit



JRO: ac: bb

CC (via Email): office@wqasca.com

Tech Staff Info & Use	
Place ID	255446
Reg. Measure ID	143551
SEL	412097
Violation ID	1019414, 1021698, 1021831, 1021312, 1019371, 1019373, 1019374, 1019376, 1019377, 1019379, 1019381, 1019383, 1019410, 1019411, 1019418, 1021699, 1021700, 1021702, 1021704, 1021706, 1021709, 1019412, 1019413, 1019415, 1019416, 1019417, 1021303, 1021301