



County of Santa Cruz

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060-4070
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

THOMAS L. BOLICH
DIRECTOR OF PUBLIC WORKS

January 12, 2009

MR. ROGER BRIGGS
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-5415

SUBJECT: SAND DOLLAR WASTEWATER TREATMENT PLANT
TREATMENT PLANT, COUNTY SERVICE AREA NO. 5
ANNUAL REPORT FOR JANUARY THROUGH DECEMBER 2008

Dear Mr. Briggs:

Enclosed is the monitoring data for the reporting period of January through December 2008 for the Sand Dollar Wastewater Treatment Plant, County Service Area No. 5. There were no violations of the waste discharge requirements to report during this period. This report is constructed to comply with the Third revised Monitoring and Reporting Program No.97-10-DWQ dated July 28, 2008.

During the year, 3,946,820 gallons were treated at an average of 10,802 gallons per day. Plant effluent was disposed of in the permitted leach fields. Approximately 3,808 pounds of solids were hauled from the plant and disposed of at the County of Santa Cruz Transmission Line Facility at East Cliff.

If you have any questions, please call the undersigned at (831) 477-3907.

Yours truly,

THOMAS L. BOLICH
District Engineer

By:

Scott St. Denis
Treatment Plant Operations Supervisor

SS:rw
Attachment
sd_annual08.wpd

Date: 1/12/09

California Regional Water Quality Control Board
Central Coast Region
Attn: Monitoring and Reporting Review Section
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

Dear Mr. Briggs:

Facility Name: Sand Dollar Waste Water Treatment Plant
County Service Area No. 5

Address: La Selva Beach, CA

Contact Person: Scott St.Denis
Job Title: Chief Plant Operator
Phone Number: (831) 477-3902

WDR/NPDES Order Number: Third Revised Monitoring and Reporting Program
No. 97-10-DWQ WDID No. 3440106001

Type of Report: Annual

Month(s):

JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP	OCT	NOV	DEC

Year: 2008

Violation(s) (Place an X by the appropriate choice): **No** (there are no violations to report) **Yes**

If yes is marked (complete a-g):

a) Parameter(s) in Violation:

b) Section(s) of WDR/NPDES Violated:

.....
.....
.....

c) Reported Value(s)

.....
.....

d) WDR/NPDES Limit/Condition:

.....
.....

e) Date of Violation(s)

(reference page of report/data sheet):

.....
.....

f) Explanation of Cause(s):

(attach additional information as needed)

.....
.....
.....
.....

g) Corrective Action(s):

(attach additional information as needed)

.....
.....
.....
.....

In accordance with the Standard Provisions and Reporting Requirements, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system, or those directly responsible for data gathering, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment

If you have any questions or require additional information, please contact me at the number provided above.

Sincerely,



Name: Scott St. Denis
Title: Treatment Plant Operations Supervisor

Regional Water Quality Control Board, Central Coast Region
 Third Revised Monitoring and Reporting Program No. 97-10-DWQ
 WDID No.3 440106001
 Sand Dollar Wastewater Treatment Facility, Santa Cruz County Service Area No. 5
 Annual Report

January 2008 through December 2008

Flow (measured daily, averaged monthly)

Waste Discharge Requirements- not to exceed 30,000 gallons per day of daily flow

	Average GPD	Total	Highest Daily	Pounds of Solids removed
January-08	6,648	206,090	13,210	223.0
February-08	8,875	248,490	25,950	147.0
March-08	11,199	347,180	54,270	217.0
April-08	9,477	284,310	21,070	610.0
May-08	9,035	280,100	19,540	630.0
June-08	15,471	464,140	45,880	670.0
July-08	17,586	545,160	29,250	530.0
August-08	16,525	512,270	16,230	341.0
September-08	13,322	399,650	18,850	0.0
October-08	6,754	209,360	10,370	440.0
November-08	6,537	196,120	12,500	0.0
December-08	8,192	253,950	12,700	0.0

Total gallons processed = 3,946,820
 Average daily flow = 10,802
 Lbs. of solids removed = 3,808

Effluent Settleable Solids (ml/l, sampled weekly, required weekly)

Waste Discharge Requirements- daily maximum 0.1 ml/l

	Week 1	Week 2	Week 3	Week 4	Week 5
January-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
February-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
March-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
April-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
May-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
June-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
July-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
August-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
September-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
October-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
November-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
December-08	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Total Suspended Solids (mg/l measured monthly, required monthly)

Waste Discharge Requirements- quarterly average 50mg/l, daily maximum 75mg/l

	Influent	Effluent	% Reduction
January-08	160	ND	90.0
February-08	70	5.8	91.7
March-08	170	3.4	98.0
April-08	76	3	96.0
May-08	230	ND	99.0
June-08	250	9.4	96.2
July-08	210	ND	99.0
August-08	170	ND	99.0
September-08	250	ND	99.0
October-08	220	5	97.7
November-08	260	ND	99.0
December-08	220	ND	99.0

pH (measured monthly, required semi-annually)

Waste Discharge Requirements- not less than 6.5 or greater than 8.4

January-08	7.3
February-08	7.2
March-08	7.5
April-08	7.4
May-08	7.2
June-08	7.2
July-08	7.5
August-08	7.4
September-08	7.2
October-08	7.3
November-08	7.3
December-08	7.3

Effluent Nitrate as NO₃-N (mg/l, measured monthly, required annually)

January-08	40
February-08	ND
March-08	42
April-08	46
May-08	44
June-08	49
July-08	33
August-08	43
September-08	41
October-08	56
November-08	48
December-08	39

Effluent Total Nitrogen (mg/l measured monthly, required semi-annually)

January-08	41
February-08	ND
March-08	44
April-08	47
May-08	47
June-08	52
July-08	34
August-08	44
September-08	43
October-08	58
November-08	48
December-08	39

Effluent Chloride (mg/l measured monthly, required semi-annually)

January-08	66
February-08	34
March-08	51
April-08	71
May-08	77
June-08	69
July-08	62
August-08	83
September-08	84
October-08	69
November-08	63
December-08	70

In accordance with the Standard Provisions and Reporting Requirements, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system, or those directly responsible for data gathering, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment

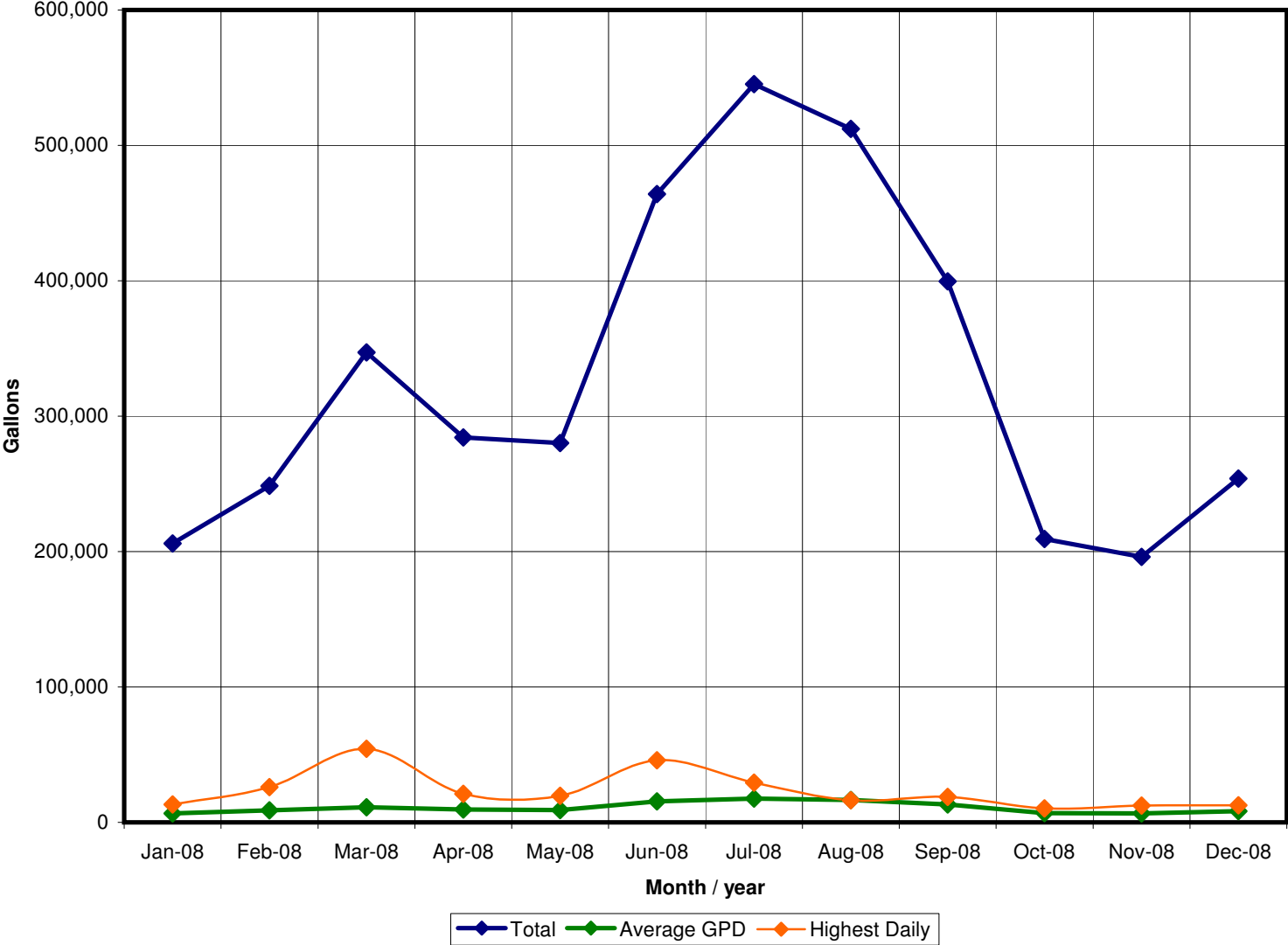
If you have any questions or require additional information, please contact me at the number provided above.

Sincerely,

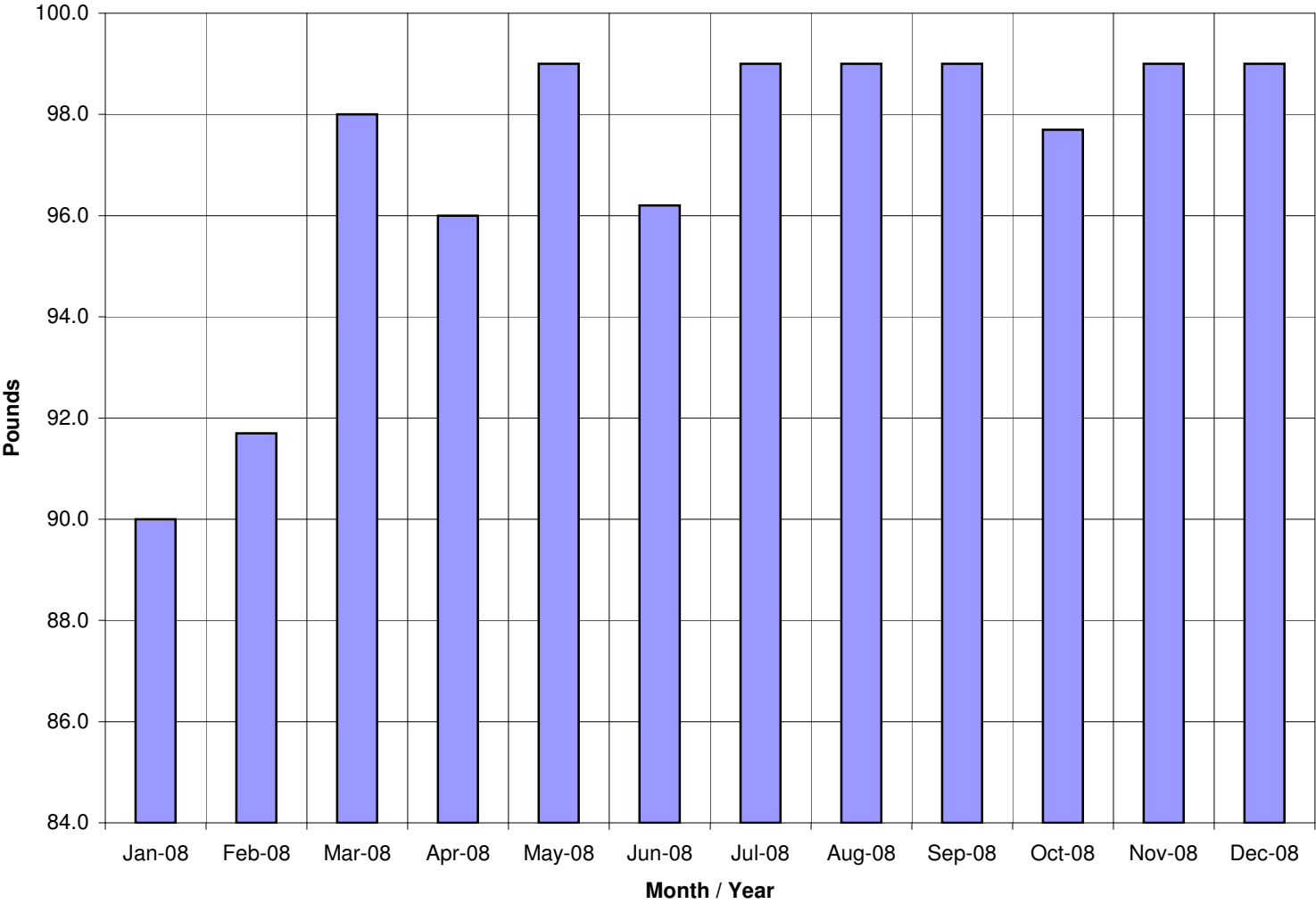


Name: Scott St. Denis
Title: Treatment Plant Operations Supervisor

Sand Dollar Flows



Solids Removed



■ Solids Removed

Data Chart

