



**CITY OF CORONADO
PUBLIC SERVICES & ENGINEERING**

1825 Strand Way
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September 12, 2018

Ben Neill
San Diego Regional Water Board
2375 Northside Drive, Suite 100
San Diego, CA 92108

**Sent Via Email to Sandiego@waterboards.ca.gov
Reference: 828932:bneill**

Subject: Monitoring Report for WDID 9 000003108 – August 2018

Mr. Neill,

Please find attached the monthly monitoring report documentation for samples collected on 8/7/2018 for the period August 1 – August 31, 2018.

The monitoring report complies with requirements for ground water discharges from the Country Club/Parker Basin Area Storm Line Infiltration Project dewatering as approved in the Notice of Applicability (NOA) issued under General Order No. R9-2015-0013, NPDES No. CAG919003.

Monitoring results were completed per Table 6 of the NOA and for this reporting period include daily and monthly requirements. The laboratory analyses show discharge in compliance with permit conditions and the NOA. No anomalies are reported for the monitoring period.

Any questions regarding monitoring and reporting should be directed to Katie Odiorne at kodiorne@coronado.ca.us or she can be reached at 619.522.2424.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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 for knowing violations [40 CFR 122.22(d)].

Ben Neill
Monitoring Report for WDID 9 000003108 – August 2018
September 12, 2018

Duly Authorized Representative for the City of Coronado



Clifford M. Maurer, P.E., C.E.M.
Director, Public Services & Engineering

9.12.2018

Date

C: Katie Odiorne, Associate Engineer
Kim Godby, Public Services Supervisor
Rosanna Lacarra, LaRoc Environmental

Attachment: August 2018 Monitoring Report

Sample Date: 8/7/2018 Time: 10:25 828932:bneill

Location: 001 - Parker Storm Drain Pump Station Page-1-

Sampling Personnel: R. Lacarra/E. Bautista



Field Log

Parameter	Analytical Method	Units	Qual	Sample Result	ML - Ocean Plan	RL	MDL	AMEL	AWEL
Turbidity	(SM 2130B)	NTU		1.4	NA	0.1	0.1	75	100
pH	(SM 4500-H ⁺)	pH units		7.6	NA	0.1	0.1	-	-
Total Chlorine Residual	Colorimetric	ug/L	<	0.5	NA	0.5	0.5	8	32

Receiving Water Observations:

Location: Pacific Ocean at North Beach 10:48

Upshore (up current)

At Discharge Point

Color	Clear	Clear
Turbidity	None	None

Notes/Comments:

EMA Lab Report #18H0212

Sample Date: 8/7/2018

Time: 10:25

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Flowrate (MGD): 0.106

Parameter Subject to Effluent Limitations (Presumptive RPA)

Parameter	Analytical Method	Units	Sample Result	ML - Ocean Plan	RL	MDL	AMEL	AWEL		Qual	Calculated Mass (lbs/day)
Grease and Oil	1664A	mg/L	ND	NA	5.0	NA	25	40		<	4
Total Suspended Solids	SM 2540D	mg/L	ND	NA	20.0	NA	60	-		<	18
Settleable Solids	SM 2540F	mL/L	ND	NA	0.20	NA	1.0	1.5			NA
Turbidity ¹	(SM 2130B)	NTU	1.94	NA	0.1	0.1	75	100			NA
pH ¹	(SM 4500-H ⁺)	pH units	7.8	NA	0.1	0.1	-	-			NA
Chronic Toxicity	600/R-951136	-	NA		-		-	-		-	-

Additional Monitoring Requirements

Parameter		Units	Sample Result	ML - Ocean Plan	RL	MDL	6-month median	Daily Max	Inst. Max	Qual	Calculated Mass (lbs/day)
Total Chlorine Residual ¹	Colorimetric	ug/L	<0.5	NA	0.5	0.5	8	32	240	<	0.4
Parameter		Units	Sample Result	ML - Ocean Plan	RL	MDL	AMEL	AWEL			Calculated Mass (lbs/day)
Aldrin	608	ug/L	NA	0.005	0.0039	0.0019	8.8E-05	-			NA
Benzidine	625 (SIM)	ug/L	NA	5.0	4.8	0.73	0.00028	-			NA
Bis(2-chloroethyl) Ether	625 (SIM)	ug/L	NA	1.0	0.19	0.038	0.18	-			NA
Chlordane	608	ug/L	NA	0.1	0.049	0.024	9.2E-05	-			NA
DDT ²	608	ug/L	NA	0.01	0.0039-0.0058	0.0019-0.0029	0.00068	-			NA
3,3'-dichlorobenzidine	625 (SIM)	ug/L	NA	5.0	4.8	1.2	0.032	-			NA
Dieldrin	608	ug/L	NA	0.01	0.0039	0.0019	0.00016	-			NA
1,2-diphenylhydrazine	625 (SIM)	ug/L	NA	1.0	0.19	0.045	0.64	-			NA
Heptachlor	608	ug/L	NA	0.01	0.0039	0.0019	0.0002	-			NA
Heptachlor Epoxide	608	ug/L	NA	0.01	0.0039	0.0019	0.00008	-			NA
Hexachlorobenzene	625 (SIM)	ug/L	NA	1.0	0.19	0.049	0.00084	-			NA
PAHs ³	625 (SIM)	ug/L	NA	2.0	0.19	0.036-0.052	0.035	-			NA
PCBs Sum ⁴	608	ug/L	NA	0.5	0.29	0.15	7.6E-05	-			NA
TCDD equivalents ⁵	1613B	ug/L	NA	NA	9.71E-06	4.00E-06	1.60E-08	-			NA
Toxaphene	608	ug/L	NA	0.5	0.29	0.15	0.00084	-			NA

Notes: 1) Field measurement applying Standard Methods (SM) or EPA Methods were applicable.

2) DDT is the sum of 4,4'-DDT; 2,4'-DDT; 4,4'-DDE; 2,4'-DDE; 4,4'-DDD; and 2,4'-DDD.

3) Sum of: Acenaphthylene, anthracene, 1,2-benzanthracene, 3,4-benzofluoranthene, benzo[k]fluoranthene, 1,12-benzoperylene, benzo[a]pyrene, chrysene, dibenzo[a,h]anthracene, fluorene, indeno[1,2,3-cd]pyrene, phenanthrene and pyrene.

4) Sum of Aroclors: 1016, 1221, 1232, 1242, 1248, 1254, and 1260.

5) Sum of: chlorinated dibenzodioxins (2,3,7,8-CDDs) and dibenzofurans (2,3,7,8-CDFs). Multiplied by toxicity factors (pg.30)

Month: August 2018

Day:

1	0.085
2	0.095
3	0.090
4	0.105
5	0.093
6	0.096
7	0.106
8	0.109
9	0.109
10	0.104
11	0.108
12	0.094
13	0.106
14	0.104
15	0.108
16	0.101
17	0.107
18	0.100
19	0.113
20	0.112
21	0.099
22	0.101
23	0.105
24	0.096
25	0.104
26	0.095
27	0.100
28	0.098
29	0.095
30	0.107
31	0.105



17 August 2018

LaRoc Environmental
Attn: Rosanna Lacarra
P.O. Box 324
Carlsbad, CA 92018

EMA Log #: 18H0212

Project Name: Parker Groundwater

Enclosed are the results of analyses for samples received by the laboratory on 08/07/18 11:48. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that this data is in compliance both technically and for completeness.

A handwritten signature in black ink, appearing to read 'Dan Verdon', is written over a light gray grid background.

Dan Verdon
Laboratory Director

CA ELAP Certification #: 2564

Client Name: LaRoc Environmental
Project Name: Parker Groundwater

EMA Log #: 18H0212

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Parker MH-001	18H0212-01	Grnd-Water	08/07/18 10:25	08/07/18 11:48

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client Name: LaRoc Environmental
Project Name: Parker Groundwater

EMA Log #: 18H0212

Conventional Chemistry Parameters by Standard/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Parker MH-001 (18H0212-01) Grnd-Water Sampled: 08/07/18 10:25 Received: 08/07/18 11:48									
Oil & Grease	ND	5.00	mg/l	1	8081714	08/17/18	08/17/18	EPA 1664A	
Total Settleable Solids	ND	0.20	ml/l	"	8081009	08/07/18	08/07/18	SM2540 F	
Total Suspended Solids	ND	20.0	mg/l	"	8081026	08/10/18	08/10/18	SM2540 D	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client Name: LaRoc Environmental
 Project Name: Parker Groundwater

EMA Log #: 18H0212

Conventional Chemistry Parameters by Standard/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8081009

Duplicate (8081009-DUP1)		Source: 18H0120-01		Prepared & Analyzed: 08/10/18						
Total Settleable Solids	ND	0.20	ml/l		ND				20	
Duplicate (8081009-DUP2)		Source: 18H0159-01		Prepared & Analyzed: 08/10/18						
Total Settleable Solids	ND	0.20	ml/l		ND				20	
Duplicate (8081009-DUP3)		Source: 18H0162-01		Prepared & Analyzed: 08/10/18						
Total Settleable Solids	ND	0.20	ml/l		ND				20	

Batch 8081026

Blank (8081026-BLK1)		Prepared & Analyzed: 08/10/18								
Total Suspended Solids	ND	20.0	mg/l							
Duplicate (8081026-DUP1)		Source: 18H0166-01		Prepared & Analyzed: 08/10/18						
Total Suspended Solids	7.0	20.0	mg/l		7.0			0	20	
Reference (8081026-SRM1)		Prepared & Analyzed: 08/10/18								
Total Suspended Solids	98.0	20.0	mg/l	100		98	77.1-110			

Batch 8081714

Blank (8081714-BLK1)		Prepared & Analyzed: 08/17/18								
Oil & Grease	ND	5.00	mg/l							
LCS (8081714-BS1)		Prepared & Analyzed: 08/17/18								
Oil & Grease	35.5	5.00	mg/l	40.0		89	80-101			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client Name: LaRoc Environmental
Project Name: Parker Groundwater

EMA Log #: 18H0212

Conventional Chemistry Parameters by Standard/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8081714

LCS Dup (8081714-BSD1)

Prepared & Analyzed: 08/17/18

Oil & Grease	35.1	5.00	mg/l	40.0		88	80-101	1	20	
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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client Name: LaRoc Environmental
Project Name: Parker Groundwater

EMA Log #: 18H0212

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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