



**CITY OF CORONADO  
PUBLIC SERVICES & ENGINEERING**

1825 Strand Way  
CORONADO, CALIFORNIA 92118-1510

TEL: (619) 522-7380  
FAX: (619) 435-4479

October 9, 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](mailto:Sandiego@waterboards.ca.gov)  
Reference: 828932:bnell**

**Subject: Monitoring Report for WDID 9 000003108 – September 2018**

Mr. Neill,

Please find attached the monthly monitoring report documentation for samples collected on 9/4/2018 for the period September 1 – September 30, 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](mailto: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 – September 2018  
October 9, 2018

Duly Authorized Representative for the City of Coronado

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

10-9-2018

Date

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

Attachment: September 2018 Monitoring Report

Sample Date: 9/4/2018 Time: 10:08 **828932:bneill**

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

Sampling Personnel: R. Lacarra

**Field Log**

Parameter	Analytical Method	Units	Qual	Sample Result	ML - Ocean Plan	RL	MDL	AMEL	AWEL
Turbidity	(SM 2130B)	NTU		1.78	NA	0.1	0.1	75	100
pH	(SM 4500-H <sup>+</sup> )	pH units		7.5	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 10:30AM

**Upshore (up current)**

**At Discharge Point**

Color	Clear	Clear
Turbidity	None	None

**Notes/Comments:**

EMA Lab Report #18I0061

Flow reaches receiving waters

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Sample Date: 9/4/2018

Time: 10:08

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Flowrate (MGD): 0.098

**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	-		<	16
Settleable Solids	SM 2540F	mL/L	ND	NA	0.20	NA	1.0	1.5			NA
Turbidity <sup>1</sup>	(SM 2130B)	NTU	1.78	NA	0.1	0.1	75	100			NA
pH <sup>1</sup>	(SM 4500-H <sup>+</sup> )	pH unit	7.5	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 <sup>1</sup>	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 <sup>2</sup>	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 <sup>3</sup>	625 (SIM)	ug/L	NA	2.0	0.19	0.036-0.052	0.035	-			NA
PCBs Sum <sup>4</sup>	608	ug/L	NA	0.5	0.29	0.15	7.6E-05	-			NA
TCDD equivalents <sup>5</sup>	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: September 2018

Day:

1	0.104
2	0.098
3	0.103
4	0.098
5	0.086
6	0.097
7	0.105
8	0.104
9	0.098
10	0.102
11	0.091
12	0.101
13	0.091
14	0.098
15	0.088
16	0.094
17	0.096
18	0.082
19	0.078
20	0.073
21	0.075
22	0.078
23	0.078
24	0.081
25	0.088
26	0.077
27	0.067
28	0.084
29	0.073
30	0.077



14 September 2018

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

**EMA Log #: 18I0061**

**Project Name: Parker Groundwater**  
**Project Desc./#:828932**

Enclosed are the results of analyses for samples received by the laboratory on 09/04/18 11:43. 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 rectangular background.

**Dan Verdon**  
**Laboratory Director**

CA ELAP Certification #: 2564

Client Name: LaRoc Environmental  
Project Name: Parker Groundwater

EMA Log #: 18I0061

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Parker MH-001	18I0061-01	Grnd-Water	09/04/18 10:08	09/04/18 11:43
Parker MH-001	18I0061-02	Grnd-Water	09/04/18 10:08	09/04/18 11:43

*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 #: 18I0061

### Conventional Chemistry Parameters by Standard/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Parker MH-001 (18I0061-01) Grnd-Water    Sampled: 09/04/18 10:08    Received: 09/04/18 11:43</b>									
Total Settleable Solids	ND	0.20	ml/l	1	8090708	09/04/18	09/04/18	SM2540 F	
Total Suspended Solids	ND	20.0	mg/l	"	8091047	09/07/18	09/10/18	SM2540 D	
<b>Parker MH-001 (18I0061-02) Grnd-Water    Sampled: 09/04/18 10:08    Received: 09/04/18 11:43</b>									
Oil & Grease	ND	5.00	mg/l	1	8091325	09/12/18	09/13/18	EPA 1664A	

*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 #: 18I0061

**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 8090708**

<b>Duplicate (8090708-DUP1)</b>		<b>Source: 18I0076-01</b>		Prepared & Analyzed: 09/04/18						
Total Settleable Solids	0.30	0.20	ml/l		0.30			0	20	

**Batch 8091047**

<b>Blank (8091047-BLK1)</b>		Prepared: 09/07/18 Analyzed: 09/10/18								
Total Suspended Solids	ND	20.0	mg/l							

<b>Duplicate (8091047-DUP1)</b>		<b>Source: 18I0167-01</b>		Prepared: 09/07/18 Analyzed: 09/10/18						
Total Suspended Solids	5.0	20.0	mg/l		5.0			0	20	

<b>Reference (8091047-SRM1)</b>		Prepared: 09/07/18 Analyzed: 09/10/18								
Total Suspended Solids	92.0	20.0	mg/l	100		92	77.1-110			

**Batch 8091325**

<b>Blank (8091325-BLK1)</b>		Prepared & Analyzed: 09/13/18								
Oil & Grease	ND	5.00	mg/l							

<b>LCS (8091325-BS1)</b>		Prepared & Analyzed: 09/13/18								
Oil & Grease	35.4	5.00	mg/l	40.0		88	80-101			

<b>LCS Dup (8091325-BSD1)</b>		Prepared & Analyzed: 09/13/18								
Oil & Grease	36.2	5.00	mg/l	40.0		90	80-101	2	20	

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 #: 18I0061

### 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

*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.*

1810061

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# EnviroMatrix Analytical, Inc.

4340 Viewridge Ave., Ste. A - San Diego, CA 92123 - Phone (858) 560-7717 - Fax (858) 560-7763

## CHAIN-OF-CUSTODY RECORD

**EMALOG #:** [Blank]

**Client:** Labor Environmental

**Attn:** R. LUCANA

**Samplers(s):** R. LUCANA

**Address:** PO Box 324

**Phone:** 760-633-1875 CA 92018 **Fax:** 760-630-1875

**Email:** R. Lucana@laborenviro.com

**Billing Address:** (Same)

**Project ID:** [Blank]

**Project #:** PO #: [Blank]

ID #	Client Sample ID	Sample Date	Sample Time	Sample Matrix	Container # / Type
1	Parker MH-001	9/4/18	10:08 AM	GW	2/P
2	Parker MH-001	9/4/18	10:08 AM	GW	1/B
3					
4					
5					
6					
7					
8					
9					
10					

**Matrix Codes:** A = Air, DW = Drinking Water, GW = Groundwater, SW = Storm Water  
 WW = Wastewater, S = Soil, SED = Sediment, SD = Solid, T = Tissue, O = Oil, L = Liquid

**Shipped By:**  Courier  UPS  FedEx  USPS  Client Drop Off  Other

**Turn-Around-Time:**  Same Day  1 day  2 day  3 day  4 day  5 day  7-10 days (7-business days)

**Reporting Requirements:**  Fax  EDI  Excel  Geotracker/EDF  Hard Copy  EDT  CEDEN  SDWIS

**Sample Disposal:**  By Laboratory  Return to Client: P/U or Delivery  Archive

**Sample Integrity**

Correct Containers: Yes  No  N/A

Custody Seals Intact: Yes  No  N/A

COC/Labels Agreed: Yes  No  N/A

Temp @ Receipt: 60-61°C

Sampled By: Client/EMA Autosampler

Requested Analysis										DATE/TIME	RECEIVED BY							
<input checked="" type="checkbox"/> Oil & Grease <input type="checkbox"/> 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> 664	<input type="checkbox"/> 8015 (TPH) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Ext	<input type="checkbox"/> 624/8260 (VOC) Full BTXE MTBE Oxy Nap	<input type="checkbox"/> 625 / 8270 (SVOC) <input type="checkbox"/> PAH only	<input type="checkbox"/> 608 / 8081 (Organochlorine Pesticides)	<input type="checkbox"/> 608 / 8082 (Polychlorinated Biphenyls)	<input type="checkbox"/> 8141 (Organophosphorus Pesticides)	<input type="checkbox"/> TBET (Organotin Compounds)	<input checked="" type="checkbox"/> pH <input checked="" type="checkbox"/> EC <input checked="" type="checkbox"/> TSS <input checked="" type="checkbox"/> TDS	<input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> N-N <input type="checkbox"/> TKN <input type="checkbox"/> NH3	<input type="checkbox"/> CAC Title 22/CAM17 Metals <input type="checkbox"/> TTLC <input type="checkbox"/> STLC	<input type="checkbox"/> TCLP (RCRA) <input type="checkbox"/> Metals <input type="checkbox"/> Organics	<input type="checkbox"/> Cd <input type="checkbox"/> Cr <input type="checkbox"/> Cu <input type="checkbox"/> Pb <input type="checkbox"/> Ni <input type="checkbox"/> Ag <input type="checkbox"/> Zn <input type="checkbox"/> Dissolved	<input type="checkbox"/> Coliform, <input type="checkbox"/> Total (MTF) <input type="checkbox"/> Fecal (MTF)	<input type="checkbox"/> Collet, T+E, Coll <input type="checkbox"/> P/A <input type="checkbox"/> Enumeration	<input type="checkbox"/> Enterococcus, <input type="checkbox"/> MTF <input type="checkbox"/> Enterolent	<input type="checkbox"/> Heterotrophic Plate Count (HPC)	<input type="checkbox"/> BOD <input type="checkbox"/> COD <input type="checkbox"/> Cyanide	<input checked="" type="checkbox"/> <u>Schebatic Solids</u>
Signature: [Blank]																		
Print: [Blank]																		
Company: [Blank]																		

**Project/Sample Location/Address:** [Blank]

**Project/Sample Comments:** [Blank]

<sup>1</sup>Additional costs may apply. Please note there is a \$35 minimum charge for all clients.

<sup>2</sup>EMA reserves the right to return any samples that do not match our waste profile.

NOTE: By relinquishing samples to EMA, Inc., client agrees to pay for the services requested on this COC form and any additional analyses performed on this project. Payment for services is due within 30 days from date of invoice. Samples will be disposed of 7 days after report has been finalized unless otherwise noted. All work is subject to EMA's terms and conditions.