



January 21, 2013

Compliance Coordinator  
State of Nevada Division of Environmental Protection  
Bureau of Water Pollution Control  
901 South Stewart Street, Suite 4001  
Carson City, Nevada 89701-5249

**Subject: Groundwater Discharge Permit NEV2001515 Discharge Monitoring Reports –  
4<sup>th</sup> Quarter 2012**

Dear Compliance Coordinator:

The Nevada Environmental Response Trust (the "Trust") maintains Permit #NEV2001515 which covers the synthetically double-lined ponds GW-11 and AP-5. No water was discharged directly to a receiving water body from either GW-11 or AP-5 pond. During 4<sup>th</sup> Quarter 2012, no water from either GW-11 or AP-5 ponds was transferred to the perchlorate treatment system and discharged under the authority of an NPDES permit NV0023060. Attachment 1 includes the October, November, and December 2012 Discharge Monitoring Reports (DMRs). Attachment 2 includes the pond monitoring tables, which provide water balance and leak detection monitoring information. Attachment 3 includes pictures of both GW-11 pond and AP-5 pond, as required by permit condition I.A.16.

Please note that AP-5 pond's top liner has a tear at the top edge of the pond, which is well above the liquid level of the pond contents. The pond is a synthetically double-lined pond and there is no evidence that the underlying liner has been compromised. In addition, the monitoring well which is located between the top liner and the bottom liner to collect any water which accumulates between the liners, has not shown evidence of water presence. The split top liner has been sandbagged to prevent a strong breeze from lifting the edges and the top liner tear will be closely monitored.

Should you have any questions concerning this report, please contact Kimberly Kuwabara at (510) 420-2525 or [kkuwabara@environcorp.com](mailto:kkuwabara@environcorp.com) or Susan Crowley at (702) 592-7727 or [smcrowley@cox.net](mailto:smcrowley@cox.net). Thank you.

Sincerely,

A handwritten signature in blue ink that reads "Kimberly Kuwabara".

Kimberly Kuwabara, M.S.  
Manager

A handwritten signature in blue ink that reads "Allan DeLorme".

Allan DeLorme, P.E.  
Managing Principal

Overnight Mail  
Attachments

cc: Please see attached distribution sheet

# Document Distribution List

Updated: 21-Jan-13

Document Name: Pond Permit NEV2001515DMRs \*

\* Cover letter includes everything but the analytical reports on CD (Data) - and is reproduced in a 2-sided transmittal

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Gratson	Neptune		
Otani-Fehling	Neptune		
Pohlmann	COH		
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Mulroy	SNWA		
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Pekala	Environ		X
Kuwabara	Environ		X
Andrew	Trust		X
Tanya	Trust		X
Mark	Environ		X
Allan	Environ		X
Chris	Environ		X
John	Environ		X
Kimberly	Environ		X

Discharge Permit NEV2001515 – 4<sup>th</sup> Q 2012 DMR  
CEM Certification

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.

*Susan Crowley* 1-16-13

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Susan Crowley  
CEM 1428, expires 3-8-13

# **ATTACHMENT 1**

## **Discharge Monitoring Reports**



12-October DMR  
NEV2001515.xlsx

**October 2012**



12-November DMR  
NEV2001515.xlsx

**November 2012**



12-December DMR  
NEV2001515.xlsx

**December 2012**



PERMITTEE NAME/ADDRESS:

Nevada Environmental response Trust  
 CO Veolia Water NA  
 510 Fourth Street  
 Henderson, NV 89015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NEV2001515 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: Nevada Environmental Response Trust  
 LOCATION: Henderson, NV  
 ATTN: Susan Crowley

MONITORING PERIOD

FROM 12 | 10 | 01 TO 12 | 10 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
<b>Flow</b>	MEASUREMENT PERMIT REQUIREMENT	Please see attached Table 1			MGD			0	Monthly	Flow Meter
<b>Influent</b>	MEASUREMENT PERMIT REQUIREMENT	Monitor and Report								
<b>Leak Detection Information</b>	MEASUREMENT PERMIT REQUIREMENT	Please see attached Table 2						0	Bi-Monthly	Discrete
<b>Pond Water Level</b>	MEASUREMENT PERMIT REQUIREMENT	Monitor and Report								
<b>Storage Volume</b>	MEASUREMENT PERMIT REQUIREMENT	Please see attached Table 1						0	Bi-Monthly	Discrete
<b>Water Balance Information</b>	MEASUREMENT PERMIT REQUIREMENT	Monitor and Report								
	MEASUREMENT PERMIT REQUIREMENT	Please see attached Table 1						0	Bi-Monthly	Calculation
	MEASUREMENT PERMIT REQUIREMENT	Monitor and Report								
	MEASUREMENT PERMIT REQUIREMENT	Please see attached Table 1						0	Monthly	Calculation
	MEASUREMENT PERMIT REQUIREMENT	Monitor and Report								
<p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE INFORMATION HAS BEEN SUBMITTED TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</p>										
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER                  Susan Crowley                  CEM 1428, exp 3-8-13                  TYPED OR PRINTED</p>										
<p>COMMENT AND EXPLANATION OF ANY VIOLATIONS                  Ponds GW-11 and AP-5</p>										
								TELEPHONE		DATE
								702-592-7727		13   01   16
								AREA CODE NUMBER		YEAR MO DAY
								702-592-7727		13   01   16

(Reference all attachments here)

FORMS BY WINDOWCHEM(707)864-0845;PMT1090;V5.01-4/1/96



PERMITTEE NAME/ADDRESS:

Nevada Environmental response Trust  
 CO Veolia Water NA  
 510 Fourth Street  
 Henderson, NV 89015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NEV2001515 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: Nevada Environmental Response Trust  
 LOCATION: Henderson, NV  
 ATTN: Susan Crowley

MONITORING PERIOD

FROM 12 | 11 | 01 TO 12 | 11 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)			
<b>Flow</b> Influent	SAMPLE MEASUREMENT	Please see attached Table 1	MGD	-----	-----	0	Monthly	Flow Meter
	PERMIT REQUIREMENT	Monitor and Report		-----	-----			
<b>Leak Detection Information</b>	SAMPLE MEASUREMENT	-----		Please see attached Table 2	-----	0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT			Monitor and Report				
<b>Pond Water Level</b>	SAMPLE MEASUREMENT	-----		Please see attached Table 1	-----	0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT			Monitor and Report				
<b>Storage Volume</b>	SAMPLE MEASUREMENT	-----		Please see attached Table 1	-----	0	Bi-Monthly	Calculation
	PERMIT REQUIREMENT			Monitor and Report				
<b>Water Balance Information</b>	SAMPLE MEASUREMENT			Please see attached Table 1	-----	0	Monthly	Calculation
	PERMIT REQUIREMENT			Monitor and Report				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	SAMPLE MEASUREMENT			Monitor and Report				
	PERMIT REQUIREMENT							
Susan Crowley		SIGNATURE OF PRINCIPAL EXECUTIVE		TELEPHONE		DATE		
CEM 1428, exp 3-8-13		OFFICER OR AUTHORIZED AGENT		702-592-7727		13   01   16		
TYPED OR PRINTED				AREA CODE NUMBER		YEAR MO DAY		
				808-592-7727		13   01   16		

*Susan Crowley*

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND THAT I AM A PERSON WHO MANAGES THE SYSTEM. I HAVE REVIEWED THE INFORMATION SUBMITTED AND I AM SURE THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AM NOT PROVIDING ANY INFORMATION THAT WOULD INFRINGE ON THE RIGHTS OF ANY OTHER PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED. I AM NOT PROVIDING ANY INFORMATION THAT WOULD INFRINGE ON THE RIGHTS OF ANY OTHER PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED. I AM NOT PROVIDING ANY INFORMATION THAT WOULD INFRINGE ON THE RIGHTS OF ANY OTHER PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 Ponds GW-11 and AP-5



PERMITTEE NAME/ADDRESS:

Nevada Environmental response Trust  
 CO Veolia Water NA  
 510 Fourth Street  
 Henderson, NV 89015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NEV2001515 PERMIT NUMBER  
 001 DISCHARGE NUMBER

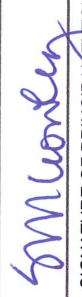
FACILITY: Nevada Environmental Response Trust  
 LOCATION: Henderson, NV  
 ATTN: Susan Crowley

MONITORING PERIOD

FROM 12 | 12 | 01 TO 12 | 12 | 31

NO DISCHARGE  X

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow Influent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	Please see attached Table 1		MGD	-----	-----	-----	0	Monthly	Flow Meter
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	Monitor and Report			-----	-----	-----	0	Bi-Monthly	Discrete
Leak Detection Information	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Please see attached Table 2	-----	0	Bi-Monthly	Discrete
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Monitor and Report	-----	0	Bi-Monthly	Discrete
Pond Water Level	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Please see attached Table 1	-----	0	Bi-Monthly	Discrete
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Monitor and Report	-----	0	Bi-Monthly	Discrete
Storage Volume	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Please see attached Table 1	-----	0	Bi-Monthly	Calculation
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Monitor and Report	-----	0	Bi-Monthly	Discrete
Water Balance Information	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Please see attached Table 1	-----	0	Monthly	Calculation
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Monitor and Report	-----	0	Monthly	Calculation
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Monitor and Report	-----	0	Monthly	Calculation
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----			-----	Monitor and Report	-----	0	Monthly	Calculation
CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND THAT I AM A PERSON WHO MANAGES THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										
Susan Crowley CEM 1428, exp 3-8-13 TYPED OR PRINTED										
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 										
TELEPHONE: 702-592-7727 DATE: 13   01   16										
AREA CODE NUMBER: 702-592-7727 YEAR: 13   MO: 01   DAY: 16										

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 Ponds GW-11 and AP-5

## ATTACHMENT 2

### Pond Monitoring Results



12 4th Q GW11 Pond  
Levels.xls



current pond liner  
gallons - 4th Q 12.xls

#### GW-11 Pond Data



GW-11 Balance - 4th  
Q 12.xls

#### GW-11 Water Balance



12 4th Q - AP-5 Pond  
Data - Level and Leak



O&M Manual -  
NEV2001515 - 11-9-1



OnM Manual for NEV  
2001516 - Sept 2006

#### AP-5 Pond Data



AP5 Balance -  
October 12.xls



AP5 Balance -  
November 12.xls



AP5 Balance -  
December 12.xls

#### AP-5 Water Balance



## ATTACHMENT 2

### Pond Monitoring Results

**Table 1a – GW-11 Pond Monitoring Information**

Date	Flow Into Pond (MGD)	Pond Level (feet)	Storage Volume (thousand gallons)	Water Balance (million gallons)	Flow from Pond to FBR's (thousand gallons)
10-1-12	0.045	3.16	11,336	-1.39	0
10-15-12		3.35	12,003		0
11-1-12	0.082	3.45	12,376	-0.31	0
11-15-12		3.95	14,162		0
12-1-12	0.045	4.22	15,100	-1.38	0
12-15-12		4.32	15,484		0

**Table 1b – AP-5 Pond Monitoring Information**

Date	Flow Into Pond (MGD)	Pond Level (feet)	Storage Volume (gallons)	Water Balance (million gallons)	Flow from Pond to FBR's (gallons)
10-1-12	0	2.92	196,190	0	0
10-15-12		2.92	196,190		0
11-1-12	0	2.92	196,190	0	0
11-15-12		2.92	196,190		0
12-1-12	0.0109	2.92	196,190	0.106	0
12-15-12		5.75	640,752		0

**Table 2a – GW-11 Pond Leak Detection Monitoring**

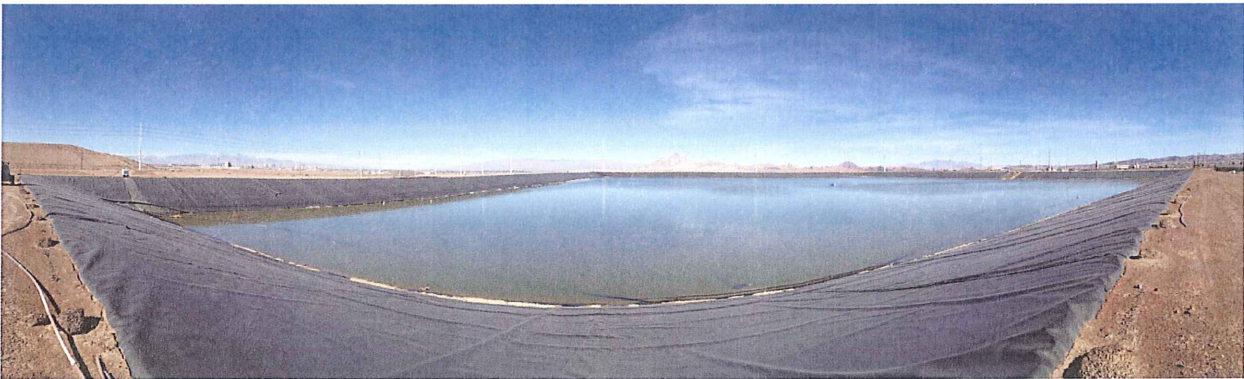
Date	Volume in Detection Well (gallons)
10-4-12	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
10-16-12	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
11-1-12	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
11-15-12	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
12-6-12	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
12-20-12	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry

**Table 2b – AP-5 Pond Leak Detection Monitoring**

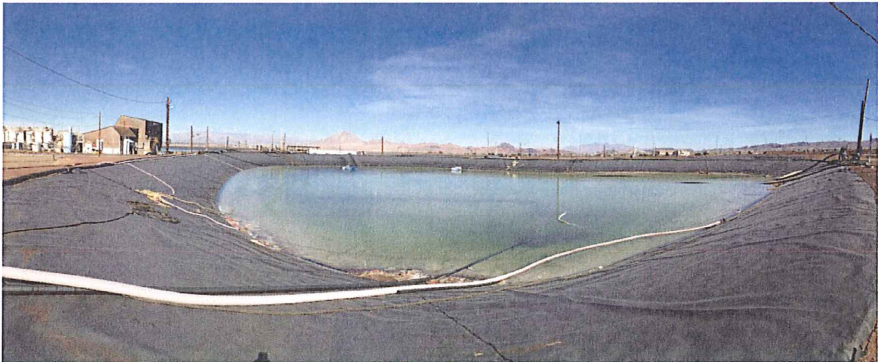
Date	Volume in Detection Well (gallons)
10-1-12	Dry
10-15-12	Dry
11-1-12	Dry
11-15-12	Dry
12-1-12	Dry
12-15-12	Dry

**ATTACHMENT 3**

**Annual Pond  
Photographs**



**GW-11 from South Side Looking North  
December 2012**



**AP-5 from SW Corner Looking NE  
December 2012**