

OCT 27 2011

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October 24, 2011

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: Permit NEV2001515 Discharge Monitoring Reports – 3rd Quarter 2011

On January 12, 2009, Tronox Incorporated and 14 of its affiliates (collectively, "Tronox") filed petitions with the United States Bankruptcy Court, Southern District of New York under chapter 11 of the Bankruptcy Code. Pursuant to its joint plan of reorganization, Tronox entered into an environmental settlement agreement and related agreements by which Tronox transferred all of its right, title, and interest with respect to remedial obligations at Henderson, Nevada to the Nevada Environmental Response Trust (the "Trust"). This transfer occurred on February 14, 2011 and NDEP has in turn transferred Permit #NEV2001515 to the Trust. Additionally, this permit was renewed, effective July 7, 2011 and includes ponds GW-11 and AP-5, both associated with the continuing Henderson perchlorate remedial efforts. As this is the first DMR (Discharge Monitoring Report) submittal under the renewed permit, we submit the following names as those authorized to sign the DMRs on behalf of the Trust: Susan Crowley (CEM 1428), Allan DeLorme (ENVIRON).

As indicated, 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. However, water from both GW-11 and AP-5 ponds (along with other groundwater sources) was treated for perchlorate removal and discharged under the authority of an NPDES permit NV0023060. The attached Discharge Monitoring Reports, DMR's, (Attachment 1) and accompanying tables provide the ponds' operational information. Included with this correspondence are the July, August and September 2011 DMRs.

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 Susan Crowley at (702) 592-7727 (cell) or e-mail smcrowley@cox.net. Thank you.


Sincerely,

Allan DeLorme, P.E.
Managing Principal

Overnight Mail

Discharge Permit NEV2001515 – 3rd Q 2011 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.

 10-24-11

Susan Crowley
CEM 1428, expires 3-8-13

ATTACHMENT 1

Discharge Monitoring Reports

11-July DMR
NEV2001515.xlsx

July 2011

11-August DMR
NEV2001515.xlsx

August 2011

11-September DMR
NEV2001515.xlsx

September 2011

PERMITTEE NAME/ADDRESS:

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NEV2001515	001
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM	11	07	01	TO	11 07 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)	UNIT				
Flow Influent	SAMPLE MEASUREMENT	Please see attached Table 1			MGD	-----	-----	-----		0	Monthly	Flow Meter
	PERMIT REQUIREMENT	Monitor and Report				-----	-----	-----				
Leak Detection Information	SAMPLE MEASUREMENT	-----	-----		Please see attached Table 2			-----		0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT	Monitor and Report										
Pond Water Level	SAMPLE MEASUREMENT	-----	-----		Please see attached Table 1			-----		0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT	Monitor and Report										
Storage Volume	SAMPLE MEASUREMENT	-----	-----		Please see attached Table 1			-----		0	Bi-Monthly	Calculation
	PERMIT REQUIREMENT	Monitor and Report										
Water Balance Information	SAMPLE MEASUREMENT				Please see attached Table 1			-----		0	Monthly	Calculation
	PERMIT REQUIREMENT	Monitor and Report										
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
Susan Crowley
 CEM 1428, exp 3-8-13
 TYPED OR PRINTED

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.

Susan Crowley
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-592-7727
 DATE: 11 | 10 | 20
 AREA CODE NUMBER: YEAR MO DAY

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

(Reference all attachments here)

Forms by WindowChem(707)864-0845;p/n11090;v5.01;4/1/96

PERMITTEE NAME/ADDRESS:

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NEV2001515	001
PERMIT NUMBER	DISCHARGE NUMBER


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

MONITORING PERIOD					
FROM	11	08	01	TO	11 08 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
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Water Balance Information	SAMPLE MEASUREMENT				Please see attached Table 1		-----		0	Monthly	Calculation
	PERMIT REQUIREMENT	Monitor and Report									
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	<small>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.</small>	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Susan Crowley			702-592-7727	11 10 20
CEM 1428, exp 3-8-13				
TYPED OR PRINTED			AREA CODE NUMBER	YEAR MO DAY

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

(Reference all attachments here)

Forms by WindowChem(707)864-0845;pln11090;v5.01;4/1/06

PERMITTEE NAME/ADDRESS:

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NEV2001515	001
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM	11	09	01	TO	11 09 30

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)	UNIT			
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Pond Water Level	SAMPLE MEASUREMENT	-----	-----		Please see attached Table 1		-----		0	Bi-Monthly	Discrete
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	PERMIT REQUIREMENT				Monitor and Report						
Water Balance Information	SAMPLE MEASUREMENT				Please see attached Table 1		-----		0	Monthly	Calculation
	PERMIT REQUIREMENT				Monitor and Report						
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
Susan Crowley
CEM 1428, exp 3-8-13
 TYPED OR PRINTED

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Susan Crowley
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-592-7727
 DATE: 11 | 10 | 20
 AREA CODE NUMBER: 702
 YEAR MO DAY

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

(Reference all attachments here)

Forms by WindowChem(707)864-0845;p/n11080;v5.01;4/1/96

ATTACHMENT 2

Pond Monitoring Results

11 3rd Q GW11 Pond current pond liner
Levels.xls gallons - 3rd Q 11.xls

GW-11 Pond Data

GW-11 Balance - 3rd
Q 11.xls

GW-11 Water Balance



11 3rd Q - AP-5 Pond OnM Manual for NEV
Data - Level and Leak 2001516 - Sept 2006

AP-5 Pond Data



AP5 Balance - July
11.xls



AP5 Balance -
August 11.xls



AP5 Balance - Sept
11.xls

AP-5 Water Balance

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)
7-1-11	0.40	1.26	4,555	-2.14	1,209
7-15-11		1.22	3,899		1,028
8-1-11	0.86	1.29	5,120	-1.94	672
8-15-11		1.25	4,464		1,209
9-1-11	1.41	1.19	3,300	-1.10	1,080
9-15-11		1.16	2,859		519

Table 1b – AP-5 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)
7-1-11	0.004	6.5	771	0.03	119
7-15-11		6.42	755		0
8-1-11	0.049	6.33	741	0.01	529
8-15-11		5.5	599		882
9-1-11	0.014	5.67	627	-0.02	163
9-15-11		5.58	613		328

Table 2a – GW-11 Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons)
7-7-11	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
7-21-11	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
8-4-11	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
8-18-11	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
9-1-11	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry
9-15-11	NW – Dry
“	NE – Dry
“	SW – Dry
“	SE – Dry

Table 2b – AP-5 Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons)
7-1-11	Dry
7-15-11	Dry
8-1-11	Dry
8-15-11	Dry
9-1-11	Dry
9-15-11	Dry