ENVIRON

July 24, 2012

UIC Compliance Coordinator
Nevada Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, NV 89701-5249

Subject: UIC Permit # UNEV 94218 Permit – First and Second Quarters 2012

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 its Henderson, Nevada site to the Nevada Environmental Response Trust (the "Trust"). This transfer occurred on February 14, 2011 and NDEP has in turn transferred Permit #UNEV 94218 to the Trust.

The Trust now maintains Underground Injection Control (UIC) Permit #UNEV 94218 for groundwater remediation at the Henderson site. Note that injection of the stabilized Lake Mead water was suspended as of September 16, 2010, due to soil removal activities surrounding the recharge trenches. This soil excavation is described in the NDEP-Bureau of Corrective Actions approved RZ-D Excavation Plan for the Tronox Henderson facility dated July 2010, and was completed in November 2011. Resumption of the injection of stabilized Lake Mead water is under evaluation, but is currently not occurring. Pursuant to the permit's Section I.A.4 and Table 1 of Attachment A, samples of the Lake Mead water, which is permitted for injection into the recharge trenches, were collected and analyzed for the subject period. Please see Attachment 1 for the Lake Mead water analytical summary, the Permit's checklist and the Lake Mead water sample information form. Supporting electronic analytical reports are provided on the CD in Attachment 3.

In addition, Section I.A.4 and Table 1 of Attachment A of the permit requires quarterly groundwater monitoring and collection of groundwater elevations. This information is provided in Attachment 2, together with a monitoring well sample information form. The supporting electronic analytical reports are provided on the CD in Attachment 3. Section I.A.4 Attachment A requires monitoring of the injection and the extraction monthly rate averages. This information is included in Attachment 2. Section I.A.4 Attachment A requires preparation of a potentiometric surface map each quarter. Maps were prepared for both subject quarters, based upon water levels measured in the respective quarter and are included in Attachment 4.

Please feel free to contact Kimberly Kuwabara at (510) 420-2525 or kkuwabara@environcorp.com or Susan Crowley at (702) 592-7727 or smcrowley@cox.net, if you have any questions regarding this information. Thank you.

Sincerely,

Allan J. DeLorme, P.E.
Managing Principal

ENVIRON International Corp. 2200 Powell Street, Suite 700, Emeryville, CA 94608
V +1 510.655.7400 F +1 510.655.9517

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UIC Permit UNEV 94218 – 1st and 2nd Q 2012
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
CEM 1428, expires 3-8-13

ATTACHMENT 1

Lake Mead Water
Available to Add to Recharge Trenches
Analytical Information
(Analytical reports included on Attachment 3 CD)

Stabilized Water.xlsx

Analytical Summary

J:\SMC\My
Documents\Word Doc

UIC Permit - Attachment A Checklist

Form U230 -
Stabilized - 1-3-12 an

Injected Water Sample Information Form

UIC Permit UNEV94218 - 1st and 2nd Q 2012 - Injected Water Supply Analytical Summary

Sample Date	Sample ID	Analyte	Result	Units	MRL	Method
1/3/2012	Stabilized Water	1,1,1-Trichloroethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	1,1,2-Trichloroethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	1,1-Dichloroethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	1,1-Dichloroethylene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	1,2-Dichloroethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	1,2-Dichloropropane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	2-Butanone (MEK)	ND	ug/L	5	EPA 624
1/3/2012	Stabilized Water	2-Hexanone	ND	ug/L	10	EPA 624
1/3/2012	Stabilized Water	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	EPA 624
1/3/2012	Stabilized Water	Acetone	11	ug/L	10	EPA 624
1/3/2012	Stabilized Water	Acrolein (Screen)	ND	ug/L	25	EPA 624
1/3/2012	Stabilized Water	Acrylonitrile (Screen)	ND	ug/L	25	EPA 624
1/3/2012	Stabilized Water	Alkalinity in CaCO3 units	120	mg/L	2	SM 2320B
1/3/2012	Stabilized Water	Aluminum Total ICAP/MS	ND	ug/L	20	EPA 200.8
1/3/2012	Stabilized Water	Anion Sum - Calculated	9	meq/L	0.001	SM 1030E
1/3/2012	Stabilized Water	Antimony Total ICAP/MS	ND	ug/L	1	EPA 200.8
1/3/2012	Stabilized Water	Arsenic Total ICAP/MS	2	ug/L	1	EPA 200.8
1/3/2012	Stabilized Water	Barium Total ICAP/MS	100	ug/L	2	EPA 200.8
1/3/2012	Stabilized Water	Benzene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Beryllium Total ICAP/MS	ND	ug/L	1	EPA 200.8
1/3/2012	Stabilized Water	Bicarb.Alkalinity as HCO3calc	140	mg/L	2	SM2330B
1/3/2012	Stabilized Water	Boron Total ICAP	0.11	mg/L	0.05	EPA 200.7
1/3/2012	Stabilized Water	Bromodichloromethane	2	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Bromoform	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Bromomethane (Methyl Bromide)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Cadmium Total ICAP/MS	ND	ug/L	0.5	EPA 200.8
1/3/2012	Stabilized Water	Calcium Total ICAP	72	mg/L	1	EPA 200.7
1/3/2012	Stabilized Water	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	SM4500-CO2-D
1/3/2012	Stabilized Water	Carbon disulfide	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Carbon Tetrachloride	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Carbonate as CO3, Calculated	ND	mg/L	2	SM2330B
1/3/2012	Stabilized Water	Cation Sum - Calculated	9.4	meq/L	0.001	SM 1030E
1/3/2012	Stabilized Water	Chloride	77	mg/L	1	EPA 300.0
1/3/2012	Stabilized Water	Chlorobenzene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Chlorodibromomethane	0.5	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Chloroethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Chloroform (Trichloromethane)	4.3	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Chloromethane(Methyl Chloride)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Chromium Total ICAP/MS	ND	ug/L	1	EPA 200.8
1/3/2012	Stabilized Water	cis-1,2-Dichloroethylene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	cis-1,3-Dichloropropene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Copper Total ICAP/MS	160	ug/L	2	EPA 200.8
1/3/2012	Stabilized Water	Dichlorodifluoromethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Dichloromethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Ethyl benzene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Fluoride	0.3	mg/L	0.05	SM 4500F-C
1/3/2012	Stabilized Water	Hydroxide as OH Calculated	ND	mg/L	2	SM2330B
1/3/2012	Stabilized Water	Iron Total ICAP	ND	mg/L	0.02	EPA 200.7
1/3/2012	Stabilized Water	Lead Total ICAP/MS	ND	ug/L	0.5	EPA 200.8
1/3/2012	Stabilized Water	m,p-Xylenes	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Magnesium Total ICAP	26	mg/L	0.1	EPA 200.7
1/3/2012	Stabilized Water	Manganese Total ICAP/MS	ND	ug/L	2	EPA 200.8
1/3/2012	Stabilized Water	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Mercury	ND	ug/L	0.2	EPA 245.1
1/3/2012	Stabilized Water	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Nickel Total ICAP/MS	ND	ug/L	5	EPA 200.8
1/3/2012	Stabilized Water	Nitrate as Nitrogen by IC	0.58	mg/L	0.1	EPA 300.0
1/3/2012	Stabilized Water	Nitrate as NO3 (calc)	2.5	mg/L	0.44	EPA 300.0

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1/3/2012	Stabilized Water	Nitrite Nitrogen by IC	ND	mg/L	0.05	EPA 300.0
1/3/2012	Stabilized Water	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	o-Xylene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Perchlorate	ND	ug/L	4	EPA 314.0
1/3/2012	Stabilized Water	PH (H3=past HT not compliant)	8	Units	0.1	SM4500-HB
1/3/2012	Stabilized Water	pH of CaCO3 saturation(25C)	9.6	Units	0.1	SM 2330B
1/3/2012	Stabilized Water	pH of CaCO3 saturation(60C)	7	Units	0.1	SM 2330B
1/3/2012	Stabilized Water	Potassium Total ICAP	4.6	mg/L	1	EPA 200.7
1/3/2012	Stabilized Water	Selenium Total ICAP/MS	ND	ug/L	5	EPA 200.8
1/3/2012	Stabilized Water	Silver Total ICAP/MS	ND	ug/L	0.5	EPA 200.8
1/3/2012	Stabilized Water	Sodium Total ICAP	83	mg/L	1	EPA 200.7
1/3/2012	Stabilized Water	Specific Conductance, 25 C	910	umho/cm	2	SM2510B
1/3/2012	Stabilized Water	Styrene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Sulfate	210	mg/L	0.5	EPA 300.0
1/3/2012	Stabilized Water	Tetrachloroethylene (PCE)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Tetrahydrofuran	ND	ug/L	10	EPA 624
1/3/2012	Stabilized Water	Thallium Total ICAP/MS	ND	ug/L	1	EPA 200.8
1/3/2012	Stabilized Water	Toluene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Total 1,3-Dichloropropene	ND	ug/L	1	EPA 624
1/3/2012	Stabilized Water	Total Dissolved Solids (TDS)	610	mg/L	10	E160.1/SM2540C
1/3/2012	Stabilized Water	Total Hardness as CaCO3 by ICP (calc)	290	mg/L	3	SM 2340B
1/3/2012	Stabilized Water	Total Nitrate, Nitrite-N, CALC	0.58	mg/L	0.1	EPA 300.0
1/3/2012	Stabilized Water	trans-1,2-Dichloroethylene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	trans-1,3-Dichloropropene	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Trichloroethylene (TCE)	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Trichlorofluoromethane	ND	ug/L	0.5	EPA 624
1/3/2012	Stabilized Water	Vinyl Acetate	ND	ug/L	10	EPA 624
1/3/2012	Stabilized Water	Vinyl chloride (VC)	ND	ug/L	0.3	EPA 624
1/3/2012	Stabilized Water	Weak Acid Dissociable Cyanide	ND	mg/L	0.005	SM4500CN-I
1/3/2012	Stabilized Water	Zinc Total ICAP/MS	130	ug/L	20	EPA 200.8
4/2/2012	Stabilized Water	1,1,1-Trichloroethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	1,1,2-Trichloroethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	1,1-Dichloroethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	1,1-Dichloroethylene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	1,2-Dichloroethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	1,2-Dichloropropane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	2-Butanone (MEK)	ND	ug/L	5	EPA 624
4/2/2012	Stabilized Water	2-Hexanone	ND	ug/L	10	EPA 624
4/2/2012	Stabilized Water	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	EPA 624
4/2/2012	Stabilized Water	Acetone	ND	ug/L	10	EPA 624
4/2/2012	Stabilized Water	Acrolein (Screen)	ND	ug/L	25	EPA 624
4/2/2012	Stabilized Water	Acrylonitrile (Screen)	ND	ug/L	25	EPA 624
4/2/2012	Stabilized Water	Alkalinity in CaCO3 units	130	mg/L	2	SM 2320B
4/2/2012	Stabilized Water	Aluminum Total ICAP/MS	ND	ug/L	20	EPA 200.8
4/2/2012	Stabilized Water	Anion Sum - Calculated	9.5	meq/L	0.001	SM 1030E
4/2/2012	Stabilized Water	Antimony Total ICAP/MS	ND	ug/L	1	EPA 200.8
4/2/2012	Stabilized Water	Arsenic Total ICAP/MS	2.2	ug/L	1	EPA 200.8
4/2/2012	Stabilized Water	Barium Total ICAP/MS	110	ug/L	2	EPA 200.8
4/2/2012	Stabilized Water	Benzene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Beryllium Total ICAP/MS	ND	ug/L	1	EPA 200.8
4/2/2012	Stabilized Water	Bicarb.Alkalinity as HCO3calc	160	mg/L	2	SM2330B
4/2/2012	Stabilized Water	Boron Total ICAP	0.1	mg/L	0.05	EPA 200.7
4/2/2012	Stabilized Water	Bromodichloromethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Bromoform	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Bromomethane (Methyl Bromide)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Cadmium Total ICAP/MS	ND	ug/L	0.5	EPA 200.8
4/2/2012	Stabilized Water	Calcium Total ICAP	71	mg/L	1	EPA 200.7

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Sample Date	Sample ID	Analyte	Result	Units	MRL	Method
4/2/2012	Stabilized Water	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	SM4500-CO2-D
4/2/2012	Stabilized Water	Carbon disulfide	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Carbon Tetrachloride	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Carbonate as CO3, Calculated	2	mg/L	2	SM2330B
4/2/2012	Stabilized Water	Cation Sum - Calculated	9.2	meq/L	0.001	SM 1030E
4/2/2012	Stabilized Water	Chloride	76	mg/L	1	EPA 300.0
4/2/2012	Stabilized Water	Chlorobenzene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Chlorodibromomethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Chloroethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Chloroform (Trichloromethane)	1.2	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Chloromethane(Methyl Chloride)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Chromium Total ICAP/MS	ND	ug/L	1	EPA 200.8
4/2/2012	Stabilized Water	cis-1,2-Dichloroethylene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	cis-1,3-Dichloropropene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Copper Total ICAP/MS	100	ug/L	2	EPA 200.8
4/2/2012	Stabilized Water	Dichlorodifluoromethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Dichloromethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Ethyl benzene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Fluoride	0.3	mg/L	0.05	SM 4500F-C
4/2/2012	Stabilized Water	Hydroxide as OH Calculated	ND	mg/L	2	SM2330B
4/2/2012	Stabilized Water	Iron Total ICAP	0.037	mg/L	0.02	EPA 200.7
4/2/2012	Stabilized Water	Lead Total ICAP/MS	ND	ug/L	0.5	EPA 200.8
4/2/2012	Stabilized Water	m,p-Xylenes	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Magnesium Total ICAP	25	mg/L	0.1	EPA 200.7
4/2/2012	Stabilized Water	Manganese Total ICAP/MS	ND	ug/L	2	EPA 200.8
4/2/2012	Stabilized Water	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Mercury	ND	ug/L	0.2	EPA 245.1
4/2/2012	Stabilized Water	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Nickel Total ICAP/MS	ND	ug/L	5	EPA 200.8
4/2/2012	Stabilized Water	Nitrate as Nitrogen by IC	0.52	mg/L	0.1	EPA 300.0
4/2/2012	Stabilized Water	Nitrate as NO3 (calc)	2.3	mg/L	0.44	EPA 300.0
4/2/2012	Stabilized Water	Nitrite Nitrogen by IC	ND	mg/L	0.05	EPA 300.0
4/2/2012	Stabilized Water	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	o-Xylene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Perchlorate	ND	ug/L	4	EPA 314.0
4/2/2012	Stabilized Water	PH (H3=past HT not compliant)	8.3	Units	0.1	SM4500-HB
4/2/2012	Stabilized Water	pH of CaCO3 saturation(25C)	7.4	Units	0.1	SM 2330B
4/2/2012	Stabilized Water	pH of CaCO3 saturation(60C)	6.9	Units	0.1	SM 2330B
4/2/2012	Stabilized Water	Potassium Total ICAP	4.2	mg/L	1	EPA 200.7
4/2/2012	Stabilized Water	Selenium Total ICAP/MS	ND	ug/L	5	EPA 200.8
4/2/2012	Stabilized Water	Silver Total ICAP/MS	ND	ug/L	0.5	EPA 200.8
4/2/2012	Stabilized Water	Sodium Total ICAP	80	mg/L	1	EPA 200.7
4/2/2012	Stabilized Water	Specific Conductance, 25 C	900	umho/cm	2	SM2510B
4/2/2012	Stabilized Water	Styrene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Sulfate	220	mg/L	0.5	EPA 300.0
4/2/2012	Stabilized Water	Tetrachloroethylene (PCE)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Tetrahydrofuran	ND	ug/L	10	EPA 624
4/2/2012	Stabilized Water	Thallium Total ICAP/MS	ND	ug/L	1	EPA 200.8
4/2/2012	Stabilized Water	Toluene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Total 1,3-Dichloropropene	ND	ug/L	1	EPA 624
4/2/2012	Stabilized Water	Total Dissolved Solids (TDS)	580	mg/L	10	E160.1/SM2540C
4/2/2012	Stabilized Water	Total Hardness as CaCO3 by ICP (calc)	280	mg/L	3	SM 2340B
4/2/2012	Stabilized Water	Total Nitrate, Nitrite-N, CALC	0.52	mg/L	0.1	EPA 300.0
4/2/2012	Stabilized Water	trans-1,2-Dichloroethylene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	trans-1,3-Dichloropropene	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Trichloroethylene (TCE)	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Trichlorofluoromethane	ND	ug/L	0.5	EPA 624
4/2/2012	Stabilized Water	Vinyl Acetate	ND	ug/L	10	EPA 624

UIC Permit UNEV94218 - 1st and 2nd Q 2012 - Injected Water Supply Analytical Summary

Sample Date	Sample ID	Analyte	Result	Units	MRL	Method
4/2/2012	Stabilized Water	Vinyl chloride (VC)	ND	ug/L	0.3	EPA 624
4/2/2012	Stabilized Water	Weak Acid Dissociable Cyanide	ND	mg/L	0.005	SM4500CN-I
4/2/2012	Stabilized Water	Zinc Total ICAP/MS	120	ug/L	20	EPA 200.8

ATTACHMENT A

UNEV 94218: Monitoring Report Requirements

The Permittee shall submit **quarterly reports** on a continuous basis, **whether actively injecting or not**, which contain the following data (please check all information included in the attached report):

__X__ The UIC permit number and Attachment A.

__X__ The results of the chemical analyses as required by Table 1.

Table 1

PARAMETER	FREQUENCY	LOCATION	LIMITATIONS
VOCs, Total Perchlorate, and Profile I Analysis	Quarterly	Lake Mead Water at Discharge Pipe Prior to Injection	State and Federal Drinking Water Standards. Injectate must not degrade the Groundwater Quality
Total and Hexavalent Chromium	Quarterly	M-11, M-12A, M-36, M-37, M-44, M-84, M- 95, and M-100	Monitor and Report
Total Perchlorate, Including $NaClO_4$ and NH_4ClO_4	Quarterly	M-11, M-12A, M-36, M-37, M-44, M-84, M- 95, and M-100	Monitor and Report
TDS	Quarterly	M-11, M-12A, M-36, M-37, M-44, M-84, M- 95, and M-100	Monitor and Report
Injection Rate into Injection trenches and Total Volume injected	Continuously	Discharge Pipe Prior to Injection	100 gpm monthly average. Must be equivalent or less than total extraction rate and volume
Extraction Rate and Total Volume extracted	Continuously	Extraction Wells located Upgradient of Injection Trenches	Cumulative extraction rate must be equivalent or greater than injection rate and volume
Groundwater Elevation and Depth	Quarterly	M-25, M-38, M-80, M-82, M-86, M-95, M-96, M-98, M-99, M-100, and M-102	Monitor and Report

__X__ For each month in the reporting period document injection rate (gpm), volume, date, and time injected of Lake Mead water into two injection trenches.

__X__ Water level, contour map illustrating groundwater gradient and flow direction.

__X__ Summary narrative report of monitoring activities for that reporting period. The report shall include, but not be limited to, any problems encountered with the injection system, the results of any tests performed during that period, and any changes noted to the groundwater. If no injection has occurred, report the non-injection status and the reason the system is not in operation.

Nevada Division of Environmental Protection
Bureau of Water Pollution Control
Underground Injection Control Program
901 S. Stewart St Ste 4001
Carson City Nevada 89701
Ph: 775-687-9418 Fx: 775-687-4684

UIC Form U230 – Field Sampling & Monitoring Summary

This form is to be completed in the field while sampling to document the sampling location facts and events, and submitted with the sample results.

Sample Date: (mm/dd/yy) 01-03-12 and 4-02-12

Complete All Applicable Blanks – Water samples can be rejected if information not provided.

FACILITY AND PERMIT INFORMATION		
Well Name & No.: Injected stabilized Lake Mead water		UIC Permit No.: UNEV94218
Is there any well name or identification at the wellhead?	☒ YES ☐ NO	If no, label should be placed on or near wellhead
Project/Facility Name: Perchlorate Remdiation - Nevada Environmental Response Trust, Henderson, NV		
Well Location (SectionTR or Lat/Long) : Section 12 T22S - R62E		
City/Valley: Henderson, NV		County: Clark
Sample for (circle one): ~~MW/WELL~~ ROUTINE REPORTING Other: _____		
Reporting Frequency: ☒ Semi-annually ☐ Annually ☐ Other _____		
WELL or SAMPLE LOCATION INFORMATION		
(Note: If sample location is not a well (e.g. spring), please provide all relevant data on sample location in the space below)		
Well Type: ~~Water/Domestic Well~~ ~~Monitoring~~ ~~Geo-Prod~~ Geo-Injection ~~Geo-Observation~~		
Completion date of well: NA		
Diameter of casing: NA	Type of Casing: Steel PVC Other: ABS Plastic	
Total depth of well: ~ 4 foot to horizontal distribution piping		
Bottom depth of cement for last cemented casing string: NA		
Screened or open hole interval (top/bottom depths): NA		
STATUS OF WELL		
Condition or Activity of well during past week/month, prior to sampling: operating normally		
Discuss any field conditions the Division should be aware of with regard to this sample: both samples (January 3, 2012 and April 2, 2012) taken during normal operationsi		
Was the well secured upon arrival?	☒ YES ☐ NO	
Was there any problems or damage to the well upon arrival	☐ YES ☒ NO	
Was well in an artesian condition prior to sampling? :	☐ YES ☒ NO	
WATER LEVEL – WELL GAUGING		
Last date well gauged (mm/dd/yy) : NA		Depth to water - last event: NA
Method used to gauge well? :	~~Cap/use~~ ~~Tape measure~~ NA	
Measured Water Level :	NA	

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UIC Form U230 – Field Sampling & Monitoring Summary

SAMPLING INFORMATION			
Date sample collected (mm/dd/yy) :	01-03-12 and 04-02-12	Time Sampled :	morning
Name of Sampler :	Veolia Water NA operator		
Location sample taken (be specific) "sample port in pipeline 10 feet from wellhead" :	Sample port at the remedial process ~ 200 ft from injection point		
Type of Sample (circle one) :	Grab ~~Composite~~ other (specify):		
Collection method (circle one) :	~~well bailed~~ ~~water pumped~~ ~~artesian flow~~ ~~airgas-lift~~ valved flow from active water supply		
How much fluid (gallons or well volumes) was discharged / purged before collecting sample? :	~ 1 gallon - this is an active supply line		
Filtering Note: UIC requirements specify water samples shall not be filtered, unless previously approved. If filtration is approved, sample shall be filtered with a 1.0 micron filter, not 0.45 micron. If approved, document date of approval: _____			
Was the sample filtered? :	☐ YES ☒ NO		
Was conductivity measured during discharge to establish stabilized conditions?	☐ YES ☒ NO this is an active water supply line		
Was decontamination procedures (reference O & M?) followed during sampling of multiple wells	☐ YES ☐ NO NA		

FIELD MEASUREMENTS

pH :
S. Conductivity :
Temperature :

What UIC Sample List is required: ~~UIC List 1~~ ~~UIC List 2~~ ~~UIC List 3~~ Other**: VOC, perchlorate and Profile 1

** Other constituent listed must have prior UIC approval before using

Were any holding times exceeded? pH ☒ YES ☐ NO

In Final sample documentation, ensure all results are reported with appropriate units. If measurements are below detection limits, indicate detection limit value.

DO NOT REPORT VALUES AS NON-DETECT OR ND, INSTEAD REPORT as <(*Detection Limit Value*)

FORM PREPARATION			
Project Manager:	Susan Crowley		
Company:	Crowley Environmental on behalf of Trust		
Telephone No.:	702-592-7727	eMail Address:	smcrowley@co[illegible].net
Signature:	Susan Crowley	Date:	July 16, 2012
Qualified Sample Person:	Michele Brown		
Company:	Veolia Water NA		
Telephone No.:	702-289-5533	eMail Address:	michele.brown@veoliawaterna.com
Signature:	Michele Brown	Date:	7-24-12

Attachments:

ATTACHMENT 2

Groundwater Monitoring

Analytical Information
(Analytical reports included on Attachment 3 CD)

C:\SMC\My
Documents\Excel Spr

Water Levels – 1st and 2nd Quarter 2012

UIC Wells.xlsx

Summary of Monitoring Well Information

Form U230 - Monitor
Wells - 1st n 2nd Q 1

Sample Information Form for Monitoring Wells

Nevada Environmental Response Trust
Henderson, Nevada Facility

UIC PERMIT MONITORING WELLS
QUARTERLY GROUNDWATER ELEVATIONS (feet)

Date	M-25 TOC: 1759.93		M-38 TOC: 1759.73		M-80 TOC: 1746.04		M-79 TOC: 1740.21		M-86 TOC: 1744.23		M-95 TOC: 1693.49		M-96 TOC: 1693.49		M-98 TOC: 1731.91		M-99 TOC: 1730.74		M-100 TOC: 1730.93		M-102 TOC: 1740.24	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
Nov-04	32.63	1727.48	30.79	1728.94	29.68	1716.37	28.16	1714.37	27.34	1716.89			11.62	1681.9	33.02	1698.88	30.53	1700.21	28.83	1702.1	39.18	1701.06
Feb-05	31.96	1727.97	30.41	1729.32	27.16	1718.89	27.04	1715.49	25.39	1718.84			10.2	1683.32	32.97	1698.93	29.96	1700.78	27.98	1702.95	37.73	1702.51
May-05	32.73	1727.2	30.77	1728.96	27.62	1718.43	27.73	1714.8	28.73	1715.5			10.89	1682.63	32.98	1698.92	30.09	1700.65	28.47	1702.46	39.44	1700.8
Aug-05	30.24	1729.69	30.11	1729.62	27.38	1718.67	26.53	1716	26.18	1718.05			9.79	1683.73	30.81	1701.09	28.74	1702	26.71	1704.22	36.51	1703.73
Nov-05	31.09	1728.84	30.28	1729.45	25.51	1720.54	26.1	1716.43	27.98	1716.25			9.75	1683.77	30.4	1701.5	28.3	1702.44	26.22	1704.71	36.14	1704.1
Feb-06	30.93	1729.00	30.35	1729.38	25.33	1720.72	25.48	1717.05	29.23	1715			10.1	1683.42	29.95	1701.95	27.97	1702.77	26	1704.93	36.48	1703.76
May-06	31.15	1728.78	30.51	1729.22	24.61	1721.44	25.13	1717.4	29.34	1714.89			10.03	1683.49	28.66	1703.24	27.85	1702.89	25.98	1704.95	36.91	1703.33
Aug-06	32.06	1727.87	31.65	1728.08	24.97	1721.08	26.12	1716.41	29.24	1714.99			10.1	1683.42	29.9	1702	27.89	1702.85	26.02	1704.91	37.33	1702.91
Nov-06	32.18	1727.75	31.01	1728.72	25.84	1720.21	26.09	1716.44	29.89	1714.34			9.93	1683.59	30	1701.9	27.97	1702.77	26.27	1704.66	37.66	1702.58
Feb-07	32.56	1727.37	31.03	1728.7	27.31	1718.74	26.75	1715.78	30	1714.23			10.25	1683.27	29.93	1701.97	28.07	1702.67	26.21	1704.72	37.76	1702.48
May-07	32.97	1726.96	31.13	1728.6	29.06	1716.99	27.59	1714.94	31.09	1713.14			10.2	1683.32	30.11	1701.79	28.32	1702.42	26.77	1704.16	38.05	1702.19
Aug-07	33.44	1726.49	31.43	1728.3	31.46	1714.59	29.42	1713.11	32.51	1711.72			10.47	1683.05	28.71	1703.19	29.57	1701.17	28.66	1702.27	39.38	1700.86
Nov-07	33.97	1725.96	31.54	1728.19	31.9	1714.15	30.05	1712.48	34.13	1710.1			10.37	1683.15	33.13	1698.77	31.34	1699.4	30.47	1700.46	40.67	1699.57
Feb-08	33.82	1726.11	31.52	1728.21	32.92	1713.13	30.63	1711.9	35.19	1709.04			11.32	1682.2	33.29	1698.61	32.68	1698.06	33.72	1697.21	41.99	1698.25
May-08	33.82	1726.11	31.46	1728.27	24.91	1721.14	25.66	1716.87	32.33	1711.9			11.86	1681.66	33.19	1698.71	33.6	1697.14	32.72	1698.21	42.05	1698.19
Aug-08	33.64	1726.29	31.37	1728.36	25.15	1720.9	23.45	1719.08	damaged	-			10.46	1683.06	33.38	1698.52	31.92	1698.82	30.77	1700.16	43.31	1696.93
Nov-08	33.68	1726.25	31.37	1728.36	28.35	1717.7	24.96	1717.57	"	-	12.62	1680.87	12.68	1680.84	33.1	1698.8	31.17	1699.57	30.42	1700.51	43.23	1697.01
Feb-09	33.61	1726.32	31.3	1728.43	29.77	1716.28	26.5	1716.03	"	-	12.63	1680.86	12.76	1680.76	dry	-	31.58	1699.16	30.81	1700.12	43.11	1697.13
May-09	33.58	1726.35	31.37	1728.36	31.58	1714.47	28.33	1714.2	"	-	12.75	1680.74	12.85	1680.67	"	-	31.9	1698.84	31.27	1699.66	43.21	1697.03
Aug-09	33.52	1726.41	31.19	1728.54	28.98	1717.07	26.73	1715.8	"	-	damaged	-	13.02	1680.5	"	-	32.66	1698.08	32.79	1698.14	43.45	1696.79
Nov-09	33.27	1726.66	30.97	1728.76	26.14	1719.91	23.96	1718.57	"	-	13.29	1680.2	13.35	1680.17	"	-	31.44	1699.3	30.23	1700.7	43.51	1696.73
Feb-10	33.28	1726.65	30.94	1728.79	24.31	1721.74	23.00	1719.53	"	-	12.91	1680.58	12.99	1680.53	"	-	30.31	1700.43	29.21	1701.72	43.31	1696.93
May-10	32.48	1727.45	30.92	1728.81	23.28	1722.77	21.78	1720.75	"	-	12.22	1681.27	12.35	1681.17	"	-	29.32	1701.42	27.72	1703.21	43.12	1697.12
Aug-10	32.98	1726.95	31.05	1728.68	23.94	1722.11	21.94	1720.59	"	-	12.19	1681.3	12.41	1681.11	"	-	28.68	1702.06	26.93	1704	42.46	1697.78
Nov-10	33	1726.93	31.96	1727.77	32.64	1713.41	32.64	1709.89	"	-	12.14	1681.35	13.3	1680.22	"	-	28.97	1701.77	27.84	1703.09	damaged	-
Feb-11	33.41	1726.52	31.28	1728.45	35.52	1710.53	30.66	1711.87	"	-	12.23	1681.26	12.47	1681.05	"	-	30.71	1700.03	inaccessible	1703.09	"	-
May-11	33.56	1726.37	31.32	1728.41	35.84	1710.21	32.39	1710.14	"	-	12.83	1680.66	12.91	1680.61	"	-	34.69	1696.05	33.3	1697.63	"	-
Aug-11	33.62	1726.31	31.48	1728.25	35.98	1710.07	31.53	1711	"	-	13.49	1680	13.52	1680	"	-	34.8	1695.94	dry	-	"	-
Nov-11	32.04	1727.89	31.29	1728.44	36.07	1709.98	31.53	1711	"	-	14.01	1679.48	14.04	1679.48	"	-	34.78	1695.96	dry	-	"	-
Feb-12	33.68	1726.25	31.45	1728.28	36.22	1709.83	31.65	1710.88	"	-	14.63	1678.86	14.84	1678.68	"	-	dry	-	dry	-	"	-
May-12	33.75	1726.18	31.53	1728.2	36.22	1709.83	31.75	1710.78	"	-	15.45	1678.04	15.38	1678.14	"	-	dry	-	dry	-	"	-
		-		-		-		-				-		-				-		-		-
		-		-		-		-		-		-		-		-		-		-		-

UIC Permit UNEV94218 - 1st and 2nd Q 2012 - Monitor Well Analytical Summary

Sample Date	Sample ID	Analyte	Final	Units	MRL	Method
2/6/2012	M-44	Chromium Total ICAP	0.71	mg/L	0.01	EPA 6010
2/6/2012	M-44	Hexavalent chromium (Cr VI)	0.79	mg/L	0.005	EPA 7196
2/6/2012	M-44	Perchlorate	820000	ug/L	4	EPA 314.0
2/6/2012	M-44	pH	7.6	Units	0.1	EPA 9040
2/6/2012	M-44	Total Dissolved Solids (TDS)	7800	mg/L	10	E160.1/SM2540C
2/7/2012	M-37	Chromium Total ICAP	0.022	mg/L	0.01	EPA 6010
2/7/2012	M-37	Hexavalent chromium (Cr VI)	0.025	mg/L	0.005	EPA 7196
2/7/2012	M-37	Perchlorate	1200000	ug/L	4	EPA 314.0
2/7/2012	M-37	pH	7.2	Units	0.1	EPA 9040
2/7/2012	M-37	Total Dissolved Solids (TDS)	3700	mg/L	10	E160.1/SM2540C
2/9/2012	M-11	Chromium Total ICAP	2.4	mg/L	0.01	EPA 6010
2/9/2012	M-11	Hexavalent chromium (Cr VI)	2.4	mg/L	0.005	EPA 7196
2/9/2012	M-11	Perchlorate	29000	ug/L	4	EPA 314.0
2/9/2012	M-11	pH	7.9	Units	0.1	EPA 9040
2/9/2012	M-11	Total Dissolved Solids (TDS)	2800	mg/L	10	E160.1/SM2540C
2/13/2012	M-12A	Chromium Total ICAP	10	mg/L	0.01	EPA 6010
2/13/2012	M-12A	Hexavalent chromium (Cr VI)	11	mg/L	0.005	EPA 7196
2/13/2012	M-12A	Perchlorate	210000	ug/L	4	EPA 314.0
2/13/2012	M-12A	pH	8.1	Units	0.1	EPA 9040
2/13/2012	M-12A	Total Dissolved Solids (TDS)	6500	mg/L	10	E160.1/SM2540C
2/13/2012	M-36	Chromium Total ICAP	29	mg/L	0.01	EPA 6010
2/13/2012	M-36	Hexavalent chromium (Cr VI)	29	mg/L	0.005	EPA 7196
2/13/2012	M-36	Perchlorate	1500000	ug/L	4	EPA 314.0
2/13/2012	M-36	pH	7.6	Units	0.1	EPA 9040
2/13/2012	M-36	Total Dissolved Solids (TDS)	14000	mg/L	10	E160.1/SM2540C
5/8/2012	M-44	Chromium Total ICAP	0.83	mg/L	0.01	EPA 6010
5/8/2012	M-44	Hexavalent chromium (Cr VI)	0.84	mg/L	0.005	EPA 7196
5/8/2012	M-44	Perchlorate	700000	ug/L	4	EPA 314.0
5/8/2012	M-44	pH	7.8	Units	0.1	SM4500-HB
5/8/2012	M-44	Total Dissolved Solids (TDS)	8400	mg/L	10	E160.1/SM2540C
5/8/2012	M-95	Chromium Total ICAP	0.74	mg/L	0.01	EPA 6010
5/8/2012	M-95	Hexavalent chromium (Cr VI)	0.66	mg/L	0.005	EPA 7196
5/8/2012	M-95	Perchlorate	440000	ug/L	4	EPA 314.0
5/8/2012	M-95	pH	7.8	Units	0.1	SM4500-HB
5/8/2012	M-95	Total Dissolved Solids (TDS)	6000	mg/L	10	E160.1/SM2540C
5/15/2012	M-36	Chlorate by IC	6400000	ug/L	10	EPA 9056
5/15/2012	M-36	Chromium Total ICAP	28	mg/L	0.01	EPA 6010
5/15/2012	M-36	Hexavalent chromium (Cr VI)	28	mg/L	0.005	EPA 7196
5/15/2012	M-36	Nitrate as Nitrogen by IC	49	mg/L	0.1	EPA 300.0
5/15/2012	M-36	Nitrate as Nitrogen by IC	49	mg/L	0.1	EPA 9056
5/15/2012	M-36	Nitrate as NO3 (calc)	220	mg/L	0.44	EPA 300.0
5/15/2012	M-36	Nitrate as NO3 (calc)	220	mg/L	0.44	EPA 9056
5/15/2012	M-36	Perchlorate	1700000	ug/L	4	EPA 314.0
5/15/2012	M-36	pH	7.4	Units	0.1	EPA 9040
5/15/2012	M-36	Total Dissolved Solids (TDS)	14000	mg/L	10	E160.1/SM2540C
5/15/2012	M-37	Chlorate by IC	14000	ug/L	10	EPA 9056
5/15/2012	M-37	Chromium Total ICAP	0.028	mg/L	0.01	EPA 6010
5/15/2012	M-37	Perchlorate	1200000	ug/L	4	EPA 314.0
5/15/2012	M-37	pH	7.2	Units	0.1	EPA 9040
5/15/2012	M-37	Total Dissolved Solids (TDS)	3800	mg/L	10	E160.1/SM2540C
5/16/2012	M-12A	Chlorate by IC	1900000	ug/L	10	EPA 9056
5/16/2012	M-12A	Chromium Total ICAP	8.5	mg/L	0.01	EPA 6010
5/16/2012	M-12A	Hexavalent chromium (Cr VI)	9.4	mg/L	0.005	EPA 7196
5/16/2012	M-12A	Nitrate as Nitrogen by IC	11	mg/L	0.013	EPA 300.0
5/16/2012	M-12A	Nitrate as Nitrogen by IC	11	mg/L	0.013	EPA 9056
5/16/2012	M-12A	Nitrate as NO3 (calc)	50	mg/L	0.055	EPA 300.0
5/16/2012	M-12A	Nitrate as NO3 (calc)	50	mg/L	0.055	EPA 9056
5/16/2012	M-12A	Perchlorate	200000	ug/L	4	EPA 314.0

UIC Permit UNEV94218 - 1st and 2nd Q 2012 - Monitor Well Analytical Summary

Sample Date	Sample ID	Analyte	Final	Units	MRL	Method
5/16/2012	M-12A	pH	8.1	Units	0.1	EPA 9040
5/16/2012	M-12A	Total Dissolved Solids	5800	mg/L	10	SM 2540C
5/21/2012	M-11	Chlorate by IC	380000	ug/L	10	EPA 9056
5/21/2012	M-11	Chromium Total ICAP	2.3	mg/L	0.01	EPA 6010
5/21/2012	M-11	Hexavalent chromium (Cr VI)	2	mg/L	0.005	EPA 7196
5/21/2012	M-11	Nitrate as Nitrogen by IC	2.7	mg/L	0.013	EPA 300.0
5/21/2012	M-11	Nitrate as Nitrogen by IC	2.7	mg/L	0.013	EPA 9056
5/21/2012	M-11	Nitrate as NO3 (calc)	12	mg/L	0.055	EPA 300.0
5/21/2012	M-11	Nitrate as NO3 (calc)	12	mg/L	0.055	EPA 9056
5/21/2012	M-11	Perchlorate	29000	ug/L	4	EPA 314.0
5/21/2012	M-11	pH	8.1	Units	0.1	EPA 9040
5/21/2012	M-11	Total Dissolved Solids (TDS)	2700	mg/L	10	E160.1/SM2540C

Nevada Division of Environmental Protection
Bureau of Water Pollution Control
Underground Injection Control Program
901 S. Stewart St Ste 4001
Carson City Nevada 89701
Ph: 775-687-9418 Fx: 775-687-4684

UIC Form U230 – Field Sampling & Monitoring Summary

This form is to be completed in the field while sampling to document the sampling location facts and events, and submitted with the sample results.

Sample Date: (mm/dd/yy) 02-06-12 and 05-08-12

Complete All Applicable Blanks – Water samples can be rejected if information not provided.

FACILITY AND PERMIT INFORMATION		
Well Name & No.: M-11, M-12A, M-36, M-37, M-44, M-95, M-100		UIC Permit No.: UNEV 94218
Is there any well name or identification at the wellhead?	☒ YES ☐ NO	If no, label should be placed on or near wellhead
Project/Facility Name: Perchlorate Remdiation - Nevada Environmental Response Trust, Henderson, NV		
Well Location (SectionTR or Lat/Long) : Section 12 T22S - R62E		
City/Valley: Henderson, NV	County: Clark	
Sample for (circle one): ~~MW/X/WELL~~ ROUTINE REPORTING Other:		
Reporting Frequency: ☒ Semi-annually ☐ Annually ☐ Other		
WELL or SAMPLE LOCATION INFORMATION		
(Note: If sample location is not a well (e.g. spring), please provide all relevant data on sample location in the space below)		
Well Type: ~~Water/Domestic Well~~ Monitoring ~~Geo-Prod~~ ~~Geo-Injection~~ ~~Geo-Observation~~		
Completion date of well: 1983 to 1997		
Diameter of casing: 2 inch	Type of Casing: ~~Steel~~ PVC Other:	
Total depth of well: ~ 45 foot		
Bottom depth of cement for last cemented casing string: NA		
Screened or open hole interval (top/bottom depths): ~ bottom 20 foot		
STATUS OF WELL		
Condition or Activity of well during past week/month, prior to sampling: operating normally		
Discuss any field conditions the Division should be aware of with regard to this sample: both month's samples taken during normal operations		
Was the well secured upon arrival?	☒ YES ☐ NO	
Was there any problems or damage to the well upon arrival	☐ YES ☒ NO	
Was well in an artesian condition prior to sampling? :	☐ YES ☒ NO	
WATER LEVEL – WELL GAUGING		
Last date well gauged (mm/dd/yy) : date listed below	Depth to water - last event:	
Method used to gauge well? : ~~Cap-Tube~~ ~~Tape-Measure~~ NA		
Measured Water Level ;	DTW 2-6-12 .... M-11=43.40', M-36=32.72', M-37=31.95', M-44=22.21', M-95=14.63', M-100=dry	
	DTW 5-8-12 .... M-11=42.81', M-36=32.88', M-37=32.09', M-44=22.72', M-95=15.45', M-100=dry	

Nevada Division of Environmental Protection
Bureau of Water Pollution Control
Underground Injection Control Program
901 S. Stewart St Ste 4001
Carson City Nevada 89701
Ph: 775-687-9418 Fx: 775-687-4684

UIC Form U230 – Field Sampling & Monitoring Summary

SAMPLING INFORMATION			
Date sample collected (mm/dd/yy) :	02-06-12 and 05-08-12	Time Sampled :	daylight
Name of Sampler :	Veolia Water NA operator		
Location sample taken (be specific) "sample port in pipeline 10 feet from wellhead" :	monitor well head		
Type of Sample (circle one) :	Grab ~~Composite~~ other (specify):		
Collection method (circle one) :	~~well bailed~~ water pumped ~~artesian flow~~ ~~air lift~~		
How much fluid (gallons or well volumes) was discharged / purged before collecting sample? :	– three casing volumes		
Filtering Note: UIC requirements specify water samples shall not be filtered, unless previously approved. If filtration is approved, sample shall be filtered with a 1.0 micron filter, not 0.45 micron. If approved, document date of approval: _____			
Was the sample filtered? :	☐ YES ☒ NO		
Was conductivity measured during discharge to establish stabilized conditions?	☐ YES ☒ NO this is an active water supply line		
Was decontamination procedures (reference O & M?) followed during sampling of multiple wells	☒ YES ☐ NO		

FIELD MEASUREMENTS

pH :
S. Conductivity :
Temperature :

What UIC Sample List is required: ~~XXXXXX~~ ~~XXXXXX~~ ~~XXXXXX~~ Other**: Cr, Cr+6, perchlorate, TDS

** Other constituent listed must have prior UIC approval before using

Were any holding times exceeded? ☐ YES ☒ NO

In Final sample documentation, ensure all results are reported with appropriate units. If measurements are below detection limits, indicate detection limit value.

DO NOT REPORT VALUES AS NON-DETECT OR ND, INSTEAD REPORT as <(*Detection Limit Value*)

FORM PREPARATION			
Project Manager:	Susan Crowley		
Company:	Crowley Environmental on behalf of Tronox LLC		
Telephone No.:	702-592-7727	eMail Address:	smcrowley@co[illegible].net
Signature:	S M Crowley	Date:	July 16, 2012
Qualified Sample Person:	Michele Brown		
Company:	Veolia Water NA		
Telephone No.:	702-289-5533	eMail Address:	michele.brown@veoliawaterna.com
Signature:	Michele Brown	Date:	7-24-12

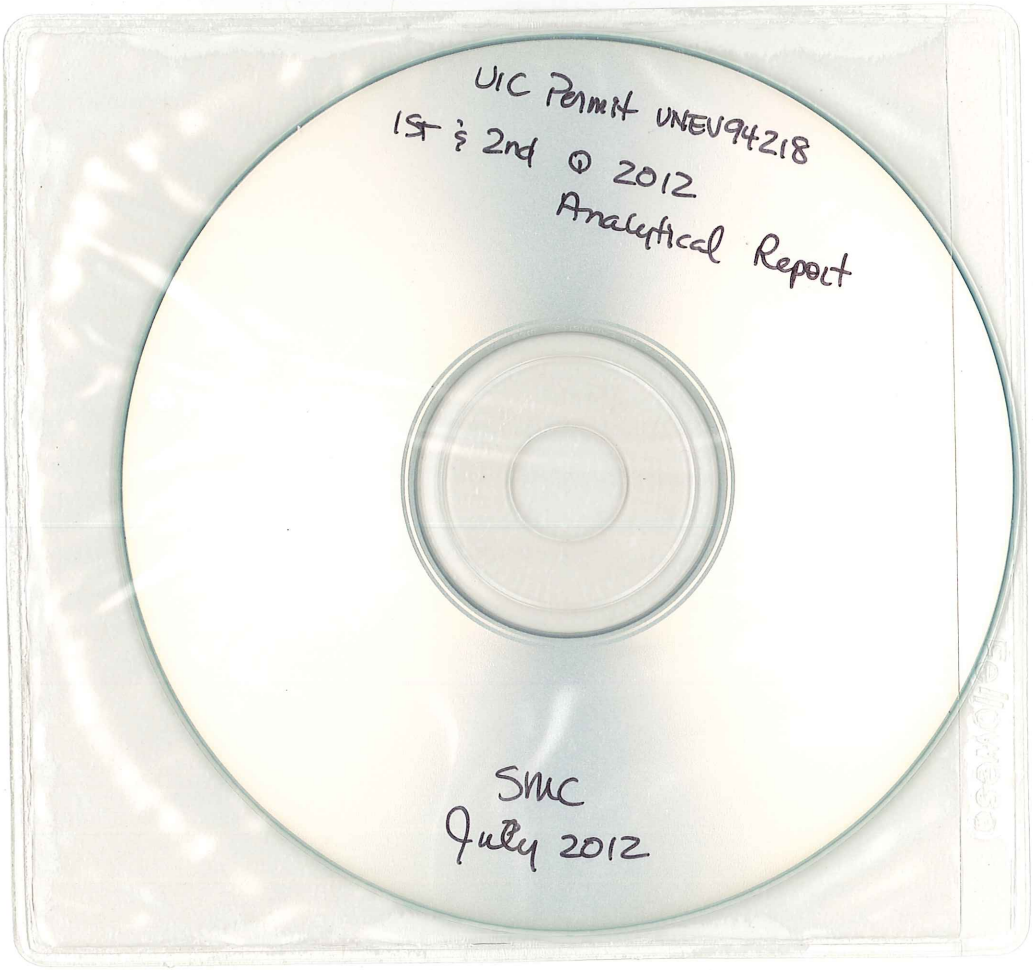
Attachments:

Nevada Environmental Response Trust
Henderson, Nevada Facility

UIC PERMIT UNEV 94218
EXTRACTION AND INJECTION RATES (gpm)

MONTH	EXTRATION RATE (gpm)	INJECTION RATE (gpm)		
	Monthly Average	Monthly Average	Daily High	Daily Low
January 2012	64.5	0	0	0
February 2012	64.6	0	0	0
March 2012	64.2	0	0	0
April 2012	63.7	0	0	0
May 2012	61.9	0	0	0
June 2012	61.6	0	0	0

ATTACHMENT 3



Supporting Electronic Analytical Reports
UIC Permit UNEV 94218 Report – 1st and 2nd Q 2012

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein, exceptions and corresponding justifications are provided below.

Susan Crowley, CEM 1428 exp 3-8-13

7-17-12
Date

ATTACHMENT 4

Potentiometric Surface Maps

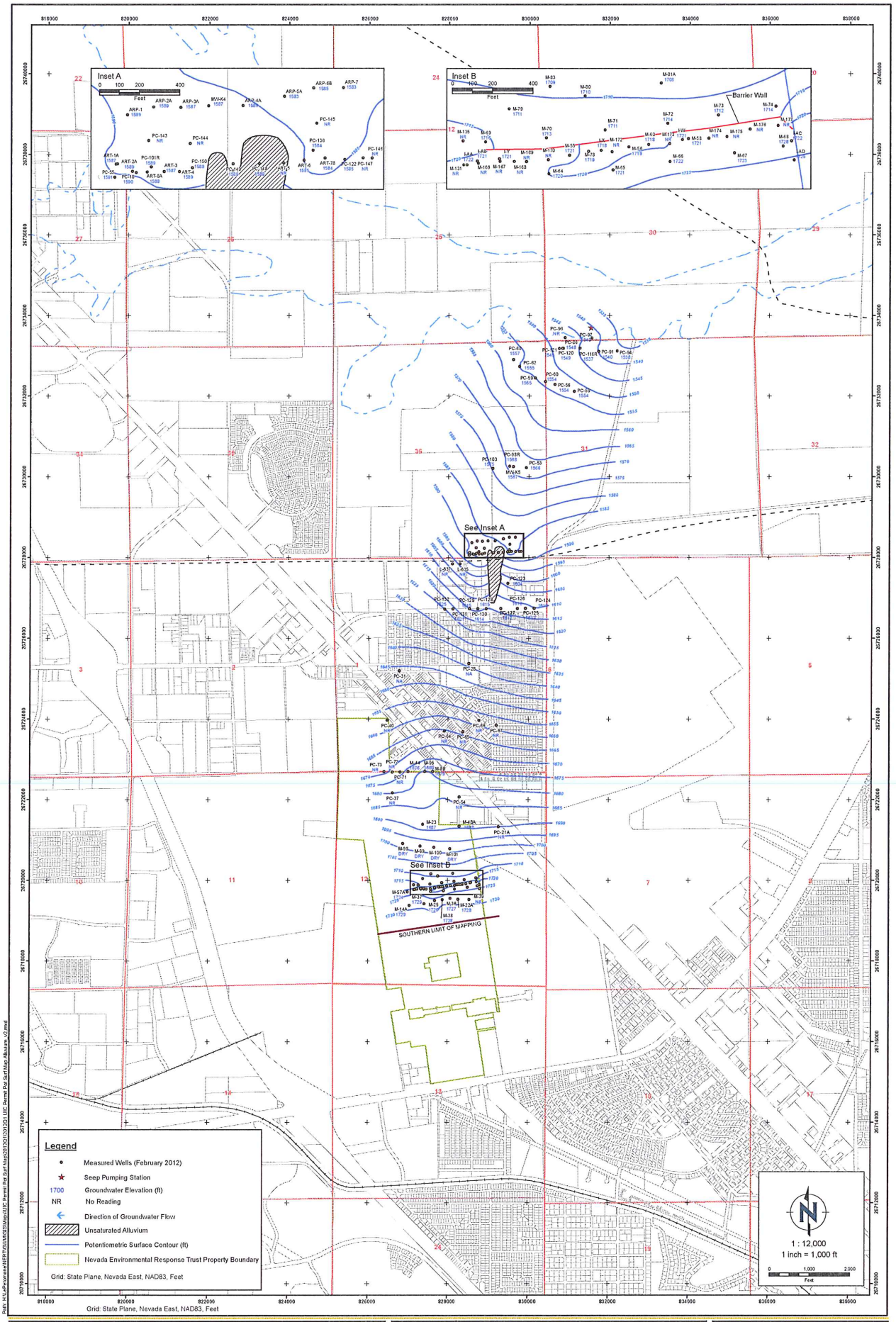


Figure 1

PROJECT: 21-29100J

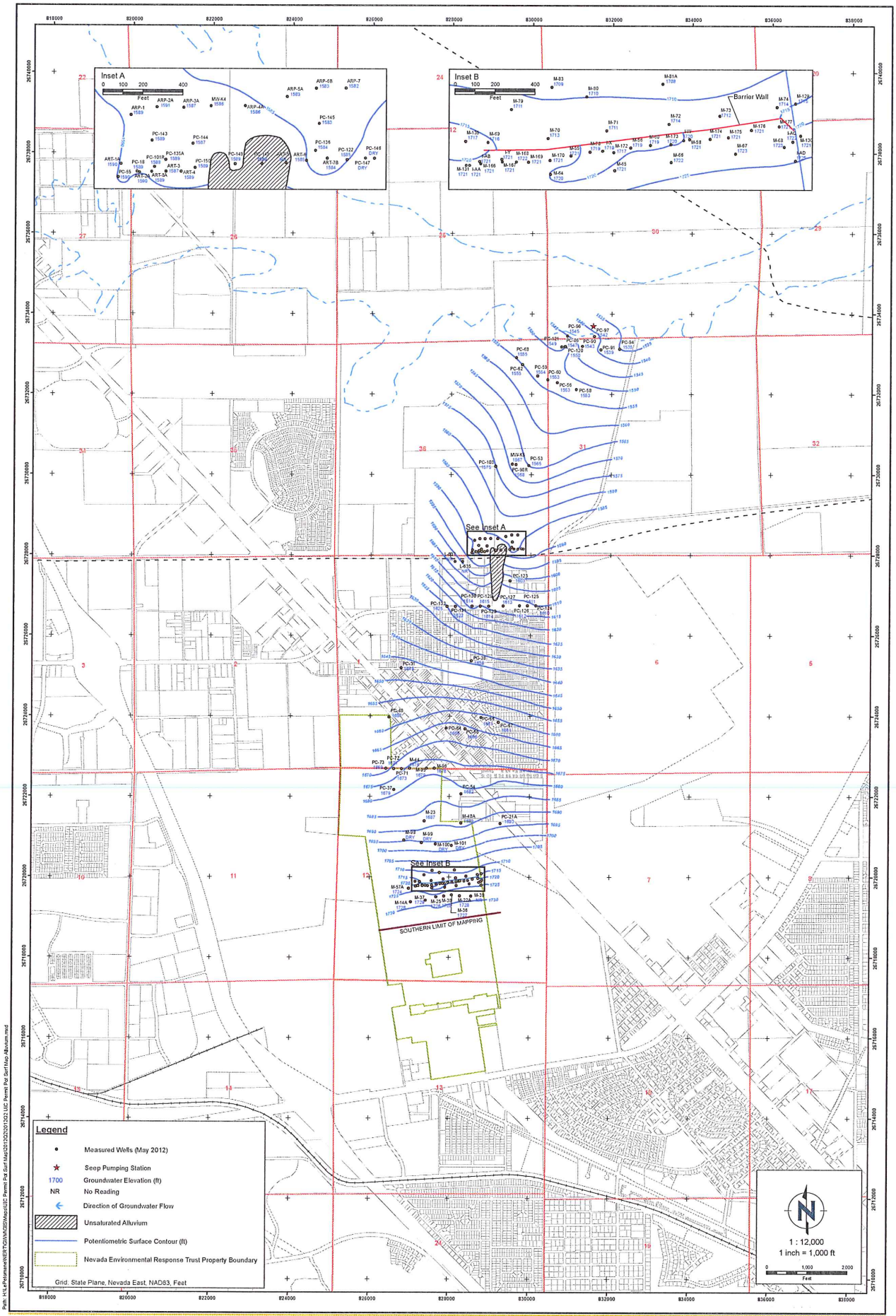
POTENTIOMETRIC SURFACE MAP
QUARTERNARY ALLUVIUM AQUIFER
FIRST QUARTER 2012

UIC Permit #UNEV94218 Report
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

DESIGNED BY:
EK
DRAWN BY:
RB
CHECKED BY:
EK
APPROVED BY:
EK/CR

REVISIONS			
NO.	DESCRIPTION:	DATE:	BY:
1	GENERATE APPROVED MAP	7/19/2012	AS

ENVIRON



Path: H:\LaPetonera\NERT\GIS\MXD\Mxd\UIC Permit Pot Surf Mxd\2012\2Q2012\2Q12 UIC Permit Pot Surf Map Alluvium.mxd

Figure 2

PROJECT: 21-29100J

POTENTIOMETRIC SURFACE MAP
QUARTERNARY ALLUVIUM AQUIFER
SECOND QUARTER 2012

UIC Permit #UNEV94218 Report
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

DESIGNED BY:	REVISIONS			
EK	NO.	DESCRIPTION:	DATE:	BY:
DRAWN BY:	1	GENERATE APPROVED MAP	7/17/2012	AS
RS				
CHECKED BY:				
EK				
APPROVED BY:				
EK/CR				

ENVIRON