

July 3, 2014

Nevada State Engineer Nevada Division of Water Resources (NDWR) 901 South Stewart Street, Suite 2002 Carson City, Nevada 89701-5250

Re: Proof of Completion of Work
Permits to Appropriate Water, Permit Nos. 50801E, 59682E, 79866E

Dear State Engineer:

The Nevada Environmental Response Trust (NERT or the Trust) maintains 12 Permits to Appropriate Waters of the State of Nevada, including Permits 50801E, 59682E, and 79866E, for its site in Henderson, Nevada. The Permits to Appropriate Water cover the extraction of groundwater from onsite and off-site wells for environmental purposes. Extracted groundwater is conveyed to an on-site perchlorate treatment system and treated water is discharged to the Las Vegas Wash pursuant to NPDES permit NV0023060.

ENVIRON International Corporation (ENVIRON), on behalf of NERT, has been working with the Nevada Division of Environmental Protection (NDEP) to determine the appropriate timing for groundwater extraction from these wells. Seven of the on-site wells, constructed between 2000 and 2010, recently began pumping at NDEP's direction and approval. These seven wells are included on three of the Permits to Appropriate Water.

The provisions of certain Permits to Appropriate Water require the permittee to file a Proof of Completion of Work. Although this is not a requirement of all permits held by NERT, ENVIRON is submitting Proof of Completion of Work forms and supporting information for all seven of the recently activated wells. Enclosed please find Proof of Completion of Work and supporting information for permits 50801E, 59682E, and 79866E, as well as a check in the amount of \$180 to cover the filing fees.

Should you have any questions concerning this correspondence, please contact Kimberly Kuwabara at (510) 420-2525 or kkuwabara@environcorp.com. Thank you.

Sincerely,

Kimberly Kuwabara, MS

Senior Manager

Nevada CEM 2353, exp. 3/20/2015

Krinbely Kuwabara

Overnight Mail Enclosures

ec: Greg Lovato, Bureau of Corrective Actions, NDEP
James Dotchin, Bureau of Corrective Actions, NDEP
Weiquan Dong, Bureau of Corrective Actions, NDEP
Nevada Environmental Response Trust
Tanya O'Neill, Foley and Lardner LLP
Allan DeLorme, ENVIRON International Corporation
John M. Pekala, ENVIRON International Corporation

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF NEVADA PROOF OF COMPLETION OF WORK

!Read the filing instructions on back of this form!

STATE OF (Where Sworn)	California	Read the ming instruction	S OII DACK OI I	ms form:		
COUNTY OF (Where Swom)	California Alameda	(1)				
Comes no	W Kimberly Kuwal	oara, CEM, ENVIRON Internat	tional Corpor	ation	(2), on behalf o	of the Permittee of
record, known as	Nevada Environme	ntal Response Trust (NERT)		(3), wh	o after being first du	ly sworn, deposes
and says that at le	east \$20,000.00	(4) has been expended in	work perform	ed or impro	vements made to dev	velop water as set
		Vo. 50801E				
The description of	of the Point of Divers	sion of the above named permit	is as follows	<u>s:</u>		
		ructure as per Item 5 in the inst Wand I-X are presented on the		et.		
	•	or a measuring device, describe evices installed in extraction w				sheet.
Construction of been working Said work descri	of wells I-W and I-X with NDEP to detern	nation relevant to this proof: was completed in 2000, but the nine the appropriate timing for ential to the actual diversion of	groundwater the water req	extraction f	rsaid permit.	
		ed on or about See att				
		4 of Section 12, Towns				
Well Driller or D	Diversion Works Con	struction Contractor Layne				(9)
		of the well log. If possible, pro				(10)
And, if possible,	please provide the p	resent static water level: See a			-	
State of Califo	ornia		Signed	Kubu	Ly Zuna	OLO (12)
County of Ala	ameda		Address	2200 Powel	Il Street, Suite 700	
Subscribed and s	worn to before me o	n July 1, 2014 (13)		Emeryville,	City, State, ZIP Code	
by Michae	1 5. Ohda, 1	10/4/,2014 (13)	Phone	(510) 420-2	Phone number is require	ed
They S. C	Signature of Notary Pul				MICHAEL S. OF Commission # 20 Notary Public - Ca Alameda Cour My Comm. Expires Ma	065247 Natifornia

(Notary Seal)

FILING THE PROOF OF COMPLETION OF WORK

- 1. Indicate the State and County in which the proof is notarized.
- 2. Write in the name of the person signing the proof. If other than the permittee, give authority for signing. <u>Name of representative MUST match exactly the name in signature block.</u>
- 3. The proof represents a sworn statement as the person signing the proof confirms the veracity of the information provided therein. Attach additional sheets if necessary.
- 4. Indicate the approximate amount of money spent on the works to divert water.
- 5. **Important!** Describe the work performed and prior improvements made to develop the water allowed under the conditions of the permit. *Do not reference previously submitted proofs*.
 - (a). <u>If this is an underground point of diversion (well)</u>, describe the diameter and depth of casing, the size, name and type of pump, and the name and size (hp) of motor installed.
 - (b). For a point of diversion on a stream, spring, lake, or other surface water source, fully describe the completed works used to divert or store water, e.g., dams, ditches, pipelines, pumping stations, etc., from the point of diversion to the place of use.
- 6. Describe the flow meter, or other measuring device that is installed, if required by the terms of the permit. For meters, include the make, model, serial number, current reading and date of that reading. If the flow rate is measured by weir, headgate, ditch company, power meter, "bucket and watch," etc., this must be mentioned and the measuring device described in full detail.
- 7. Indicate the approximate date the well or other diversion works were completed.
- 8. Describe the point of diversion by public land survey. This description must match the legal description of the permit.
- 9. Provide the name of the well driller, or diversion works construction contractor.
- 10. If applicable, attach a copy of the well log. If possible give the State Engineer's well log number.
- 11. If possible please provide the present static water level before pumping began.
- 12. Sign the form in the presence of the Notary Public.
- 13. Affix Notary Public's stamp/seal and signature.

FAILURE TO PROVIDE CORRECT AND COMPLETE ANSWERS TO THESE INQUIRIES CAN RESULT IN IMMEDIATE REJECTION OF YOUR PROOF!

The Proof of Completion of Work must be filled out entirely, signed, notarized and received in the Office of the State Engineer, Nevada Division of Water Resources, 901 S. Stewart Street, Suite 2002, Carson City, Nevada 89701, together with the \$60.00 statutory filing fee on or before the due date on the permit and not later than 30 days from the date of any final notice received from this office. A separate Proof must be submitted with the \$60.00 filing fee for each individual permit. If you have any questions, please call (775) 684-2800 or in Las Vegas (702) 486-2770, or visit our web page at:

http://water.nv.gov

Supporting Information - Proof of Completion Permit to Appropriate Water, Permit No. 50801E, Nevada Environmental Response Trust

Extraction Well I-W Extraction Well I-X

Description of Point of	of Diversion				
Part I					
Casing	Diameter (inches):	6	6		
	Depth (feet bgs):	50.5	50.5		
<u>Pump</u>	Туре:	Stainless steel,	Stainless steel,		
		submersible	submersible		
	Name:	Grundfos	Grundfos		
		(5S05-13)	(5S05-13)		
	Size:	4"	4"		
Motor	Name:	Franklin Electric	Franklin Electric		
		(234 521 94 04 S)	(234 521 94 04 S)		
	Size:	460V, 3P, 0.5 hp	460V, 3P, 0.5 hp		
Part II					
Measuring Device	Make:	Daniel L. Jerman	Daniel L. Jerman		
(Totalizer)		Company	Company		
	Model:	DLJ75P	DLJ75P		
	Serial number:	13008713	13008691		
	Current Reading:	3195	12006		
	Date of Reading:	6/3/2014	6/3/2014		

Present static water level prior to pumping (feet bgs):	29.34	24.26
Well Construction Completion Date:	9/13/2000	9/13/2000
<u>Date of Connection to Extraction and</u> <u>Treatment System:</u>	3/4/2011	3/4/2011
Approximate Date Pumping Began:	May 2014	May 2014

Notes:

bgs = below ground surface

•	ERR-McGEE CORPORATION //drology Dept S&EA Division	KM SUBSIDI				LOCATION HEN	DER	ری	J. N	NUMB	
DEPTH	T :		U	UNIFIED	BLOWS				IL SAM		
IN FEET	LITHOLOGIC DESCRIPTION	N	GRAPHI LOG	SOIL FIELD CLASS	PER - 6"	(ppm)	NO.	TYPE	DEPTH	· · · · · · · · · · · · · · · · · · ·	REMARKS OR FIELD OBSERVATIONS
-	0-26 sty SA	ND W/	11.1						• 1	-	
-	scattered minor	-	0.0			_		-			_
	gravelzones. Gry	ovange	- [-								
5	(10 YR 7/4), 10-20 %	5511+	.0.			_					
	in vf-vc, A-SR 9+			5P/		-		•		-	-
	sand and 10-15% g		1	5M					٠.		
	Calcareous throu	ghout	000			_			i y "		_
10-			1			 .	1	·			
	- caliche modules										
	9-10 2"-3" volc g	rave (-		•			_
	7 .	. 1 ~	.000								<u> </u>
1/3 -	14-15 volc grand	116	10.0.0								
	30me										
1			0.0								
20-			1:	-		_					<u></u>
	-		0.								
			: : :								
						-					_
-			1.1.				.				
26	- 26-33 Say GRAVE - oran (10) R 7/4). Ver - strong calichifica	L, ary	0 010								_
	- oran (10) R 7/4). Ver	-y hard	0000			-					_
30-	I strong calichifice	etioni	1000	GP							
170-	larguels ave beca	ravel	77.1	7		. <u> -</u>	1				WET@ 30'
	Size w/ 4".5" cobbin	2 6 Z 7	010	•		<u> </u>					(in fractures)
33	- 33-50TD Sdy SIL		11.								TOP of MC
-	dk yell oran (10 YR	6/4)				<u> </u>					@ 33' -
	- calcareous. 10-	20%		ML			Ì	1		* .	
	Traga A-SA sa in					·					_
						-					-
H.	▼ Water Table (24 Hour)					GRAPHIC	rog ri	EGE	ND	DATE DRILLE	'
	✓ Water Table (Time of Boring)					CLAY	£22	DEE	BRIS	9-13 DRILLING ME	
	PID Photoionization Detection () NO. Identifies Sample by Numb TYPE Sample Collection Method					SILT		HIGH		PER DRILLED BY	c U 3 5 1 0 N
ATIC	SPUT.		ROCK			SAND		SAI	NDY AY	l	ンとに
EXPLANATION	BARREL		CORE		::	GRAVEL		CL/ SAI	AYEY ND	LOGGED BY	
<u> </u>	THIN- WALLED TUBE CONTINUOL SAMPLER	is \	no Recovi	ERY	1	SILTY CLAY		ا		EXISTING GR	ADE ELEVATION (FT. AMSL)
	DEPTH Depth Top and Bottom of REC. Actual Length of Recovere		in Feet	l .		CLAYEY SILT				LOCATION O	R GRID COORDINATES

K	ENN-MOGEE CONPONATION	MC LL	ــــــــــــــــــــــــــــــــــــــ		LOCATION HEND	ER501	N,	NV	BORING NUMBE	GER J-W
DEPT	4	OH O	UNIFIED SOIL					OIL SAMP	rLE	REMARKS OR
IN FEET	LITHOLOGIC DESCRIPTION	GRAPHIC	FIELD CLASS.	P⊞ 6"	(ppm)	NO.	TYPE	DEPTH	REC.	FIELD OBSERVATIONS
15-	minor thin zones of si interbedded	T,	ML							- - - -
50-										
_	50' TD								•	- - - - -
-										_ _ _
	▼ Water Table (24 Hour)				GRAPHIC			IND	9-13	i e
N	✓ Water Table (Time of Boring) PID Photoionization Detection (ppm NO. Identifies Sample by Number TYPE Sample Collection Method)		- 1	CLAY	$\overline{\sim}$	HIGH	HLY GANIC (PEAT)	DRILLING MET	
EXPLANATION	SPLIT- BARREL AUGER	ROCK			SAND GRAVEL			ND DAYA	LOGGED BY	KR15H
	THIN- WALLED TUBE CONTINUOUS SAMPLER DEPTH Depth Top and Bottom of Sam	Ple Ple		- 1	SILTY CLAY CLAYEY SILT] _			R GRID COORDINATES
	REC. Actual Length of Recovered So	unbie in reer								

KERR-McGEE CORPORATION HYDROLOGY DEPARTMENT MONITORING WELL INSTALLATION DIAGRAM __---Casing Cap Vent ? Yes 📈 No 🖂 Protective Pipe -------Lock ? Yes □ No 💢 Yes 📈 No \square .Weep Hole ? Yes 🗌 🛮 No 🕱 Steel X PVC Ft. Surveying Pin ? --Concrete Pad _____Ft. x ______Ft. x _____Inches Yes 🗌 No ⊠ DRILLING INFORMATION: DEPTH FROM 1. Borehole Diameter= /0.75 Inches. TOP OF **BFLOW** 2. Were Drilling Additives Used? Yes No X Concrete **GRADE** CASING Revert Bentonite Water Solid Auger | Hollow Stem Auger | 3. Was Outer Steel Casing Used? Yes No 🛛 Depth= to Feet. Cement/Bentonite Grout Mix Yes 💢 No 4. Borehole Diameter for Outer Casing Inches. 5.5 Gallons Water to WELL CONSTRUCTION INFORMATION: Ft. 94Lb. Bag Cement & 1. Type of Casing: PVC X Galvanized Teflon 3-5 Lb. Bentonite Powder Stainless Other ___ Other: 2. Type of Casing Joints: Screw-Couple X Couple Other 11 3. Type of Well Screen: PVC 📈 Galvanized 🗌 Stainless Teflon Other Bentonite Seal 4. Diameter of Casing and Well Screen: Pellets Slurry Casing 6 Inches, Screen 6 Inches. 5. Slot Size of Screen: 0.020 Filter Pack 6. Type of Screen Perforation: Factory Slotted 📈 Ft. Above Screen Hacksaw Drilled Dther_ 20 7. Installed Protector Pipe w/Lock: Yes No WELL DEVELOPMENT INFORMATION: I. How was Well Developed? Bailing ☑ Pumping ☒ Air Surging (Air or Nitrogen) Other_ FILTER PACK MATERIAL 2. Time Spent on Well Development ? Silica Sand 🗖 ____/____ Minutes/Hours 30 Ft. Washed Sand 3. Approximate Water Volume Removed? Gallons 4. Water Clarity Before Development? Clear Pea Gravel Turbid Opaque Other: ___ 5. Water Clarity After Development? Clear Turbid [Opaque 🗌 Sand Size 10 - Zo 6. Did Water have Oder? Yes No No 50 If Yes. Describe Dense Phase Sampling Cup 0.5 Ft. 7. Did Water have any Color? Yes No No Bottom Plug Yes No 🗌 If Yes , Describe 50.5 WATER LEVEL INFORMATION: Overdrilled Material Water Level Summary (From Top of Casing) Backfill During Drilling 30 NB Ft. Date 9-13-00 0.5 Ft. Grout Sand Before Development 29. Z VG Ft. Date 9-19-00 51.0 Caved Material After Development Ft. Date_ Other: Driller/Firm LAYNE Drill Rig Type AP-1000 Date Installed 9-13-00 Kerr-McGee Well No. I-W ED KRISH Drill Crew

	RR-MCGEE CORPORATION	KM SUBSIDIA				LOCATION			1 804	BORING	GR I-X
Hyd	drology Dept S&EA Division	KMC			51 ALD		DEKS		J. NV	1	* + /\
DEPTH IN FEET	LITHOLOGIC DESCRIPTIO	и	GRAPHI	UNIFIED SOIL FIELD CLASS.	PER 6"	PID (ppm)	ΝО.	TYPE	DEPTH	REC.	REMARKS OR FIELD OBSERVATIONS
5	D-17 sity SAND minor gravelly zone Gry Oran (10 VR7/4, 10-20% silt in Vf A-SR sd. Locally & Zones of sd-grand U/o silt. Calcare throughout w/min	es.)VC Hhim les ous	0000	5M/ 5P							
- - - - 17 -	9-11, 14-15 clean w/trsilt and 20-30 granules (volc) 17-38 sdy GRAVE	ules. Zones To	0.00								
Z V	w/ com caliche in 1 part. Gry oran (10) Zo.30% of K. A-SAs granules (volc). Calc @ 17' 2"-3" publies	10wer 4R7/4)	0.0	GP							
25-	Semi-hard peru but not massive it caliche downward	asive acin	000000000000000000000000000000000000000								WET@30'
33			0.0	0				-			
_	dk yell oran (104R 10-20% vfg. A-SA - silt. Calcareous throughout w/n	6/6), sdin		ML	-						70P of MC -
1	Water Table (24 Hour)					GRAPHIC			IND	DATE DRILLED	1
	Water Table (Time of Borin PID Photoionization Detection (p. 100). Identifies Sample by Numb YPE Sample Collection Method SPLIT-BARREL AUGER THIN-WALLED SAMPLER CONTINUOU SAMPLER	opm) er	ROCK CORE NO RECOVE	ĒRY		CLAY SILT SAND GRAVEL SILTY CLAY		HIGH ORG S.A. C.L.	HLY ANIC (PEAT) NDY AY AYEY ND	PRILLED BY The Logged BY ED	ANNE
(DEPTH Depth Top and Bottom of S REC. Actual Length of Recovered	Sample				CLAYEY SILT]		LOCATION OF	R GRID COORDINATES

	ERR-McGEE CORPORATION	KM SUBSIDIARY				LOCATION		1	.1./	BORING	i R 工	- V	
	lydrology Dept S&EA Division	<u> </u>				HEND	T				K 1		
DEPT	LITHOLOGIC DESCRIPTIO	Z RAPHIC	0	NIFIED SOIL IELD	PER	PID (ppm)			IL SAMPL		REA FIELD O	AARKS O BSERVAT	R IONS
45-	C-ve sd. size caliche modules. Minor thin interl of silt			TELD LASS.	6'	(ppm)	NO.	TYPE	DEPTH	REC.	FIELD O	BSERVAT	IONS
	+												_
IT	▼ Water Table (24 Hour)					GRAPHIC			,	TE DRILLED	1	PAGE Of	7_
NO	V Water Table (Time of Borin Photoionization Detection (p NO. Identifies Sample by Numb Sample Collection Method	opm)				CLAY		HIGHL ORGA	Y NIC (PEAT)	RILLING METH	5 C N 2	510N	
EXPLANATION	SPLIT- BARREL AUGER	ROC			1	SAND			110	LA OGGED BY	YNE		
XPLA	THIN I				1	GRAVEL		CLA SAN	1	ED	DE ELEVATION		_)
"	WALLED CONTINUOU SAMPLER	S NO REC	OVERY	′	1	SILTY							
	DEPTH Depth Top and Bottom of S REC. Actual Length of Recovered		Feet		103	CLAYEY				OCATION OR	GRID COOR	DINATES	

KERR-McGEE CORPORATION HYDROLOGY DEPARTMENT MONITORING WELL INSTALLATION DIAGRAM ___--Casing Cap Vent ? Yes 🛣 No 🗔 Protective Pipe ----____Lock ? Yes 🗌 No 📈 Yes X No 🗌 -Weep Hole? Yes □ No 🏻 Steel X PVC 3.45 Ft. Surveying Pin ? --Concrete Pad Ft. x _____Ft. x _____Inches Yes 🗌 No 🔯 DRILLING INFORMATION: 1. Borehole Diameter= /0.75 Inches. FROM **BFLOW** TOP OF 2. Were Drilling Additives Used? Yes No Concrete CASING GRADE Revert Bentonite Water Solid Auger | Hollow Stem Auger | No X 3. Was Outer Steel Casing Used? Yes Depth= to Feet. Cement/Bentonite Grout Mix Yes 🔀 No 🗌 4. Borehole Diameter for Outer Casing 5.5 Gallons Water to WELL CONSTRUCTION INFORMATION: Ft. 94Lb. Bag Cement & I.Type of Casing: PVC X Galvanized Teflon 3-5 Lb. Bentonite Powder Stainless Other ___ 2. Type of Casing Joints: Screw-Couple Other: Couple Other 3. Type of Well Screen: PVC igotimes Galvanized \Box Stainless Teflon Other __ Bentonite Seal 4. Diameter of Casing and Well Screen: Ft. Casing 6 Inches, Screen 6 Inches. Pellets X Slurry 14 5. Slot Size of Screen: O.OZO 6. Type of Screen Perforation: Factory Slotted Filter Pack Ft. Above Screen Hacksaw Drilled Dother_ 7. Installed Protector Pipe w/Lock: Yes 🛛 No 🗌 20 WELL DEVELOPMENT INFORMATION: 1. How was Well Developed? Bailing Pumping Air Surging (Air or Nitrogen) Other_ FILTER PACK MATERIAL 2. Time Spent on Well Development ? Silica Sand 💢 _/____ Minutes/Hours 30 Ft. Washed Sand 3. Approximate Water Volume Removed ? _____ Gallons 4. Water Clarity Before Development? Clear Pea Gravel [Turbid Opaque Other: 5. Water Clarity After Development? Clear Opaque [Turbid | Sand Size 10 - 20 6. Did Water have Oder? Yes No If Yes, Describe 7. Did Water have any Color? Yes No No Dense Phase Sampling Cup o 5 Ft. If Yes . Describe Bottom Plug Yes No 🗌 505 WATER LEVEL INFORMATION: Water Level Summary (From Top of Casing) Overdrilled Material During Drilling 33 ng Ft. Date 9-13-00 0. 5 Ft. Backfill Before Development 2785 Ft. Date 9-19-00 Grout 🗌 Sand 🔀 Caved Material After Development _____ Ft. Date_ Other: ___ Driller/Firm LAYNE Drill Rig Type AP-1000 Date Installed 9-13-00 Drill Crew Hormann Well No. I-X EU KRISH Hydrologist

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF NEVADA PROOF OF COMPLETION OF WORK

STATE OF (Where Sworn)	California	!Read the filing instructions	on back of	this form!		
COUNTY OF (Where Sworn)	Alameda	(1)				
Comes nov	W Kimberly Kuwaba	ra, CEM, ENVIRON Internati	ional Corpo	oration	(2), on behalf	of the Permittee of
record, known as	Nevada Environment	tal Response Trust (NERT)		(3), who	after being first du	uly sworn, deposes
and says that at le	east \$30,000.00	(4) has been expended in w	vork perforr	ned or improv	rements made to de	evelop water as set
	onditions of Permit No					
The description o	f the Point of Diversic	on of the above named permit	is as follow	<u>/s:</u>		
		ncture as per Item 5 in the instr A, I-AB, and I-Y are presented		iched sheet.		
	•	a measuring device, describe to vices installed in extraction we	_			attached sheet.
Construction o	f wells I-AA, I-AB, ar	ntion relevant to this proof: nd I-Y was completed between king with NDEP to determine				
	-	tial to the actual diversion of t		-		
		d on or about See atta				
		4 of Section 12, Townsh				
		ruction Contractor Boart Lon				
		f the well log. If possible, pro-				(10)
And, if possible, j	please provide the pres	sent static water level: See at				
State of Califo	ornia		Signed	Kubu	Ly Kuus Oo Germitiee or Agent	lle (12)
County of Ala	meda			2200 Powell	Street, Suite 700	
Subscribed and sv	worn to before me on	July 1, 2014 (13)	1	Emeryville, (Street Address or PO Bo CA, 94608 City, State, ZIP Code	
by Michael	S. Ohda, N) otary Public	Phone	(510) 420-25	525 Phone number is require	ed
Milfs.				Commi Notary Ala	CHAEL S. OMDA ission # 2065247 Public - California ameda County . Expires May 18, 2010	B ANNA I I

(Notary Seal)

FILING THE PROOF OF COMPLETION OF WORK

- 1. Indicate the State and County in which the proof is notarized.
- 2. Write in the name of the person signing the proof. If other than the permittee, give authority for signing. <u>Name of representative MUST match exactly the name in signature block.</u>
- 3. The proof represents a sworn statement as the person signing the proof confirms the veracity of the information provided therein. Attach additional sheets if necessary.
- 4. Indicate the approximate amount of money spent on the works to divert water.
- 5. **Important!** Describe the work performed and prior improvements made to develop the water allowed under the conditions of the permit. *Do not reference previously submitted proofs.*
 - (a). <u>If this is an underground point of diversion (well)</u>, describe the diameter and depth of casing, the size, name and type of pump, and the name and size (hp) of motor installed.
 - (b). For a point of diversion on a stream, spring, lake, or other surface water source, fully describe the completed works used to divert or store water, e.g., dams, ditches, pipelines, pumping stations, etc., from the point of diversion to the place of use.
- 6. Describe the flow meter, or other measuring device that is installed, if required by the terms of the permit. For meters, include the make, model, serial number, current reading and date of that reading. If the flow rate is measured by weir, headgate, ditch company, power meter, "bucket and watch," etc., this must be mentioned and the measuring device described in full detail.
- 7. Indicate the approximate date the well or other diversion works were completed.
- 8. Describe the point of diversion by public land survey. This description must match the legal description of the permit.
- 9. Provide the name of the well driller, or diversion works construction contractor.
- 10. If applicable, attach a copy of the well log. If possible give the State Engineer's well log number.
- 11. If possible please provide the present static water level before pumping began.
- 12. Sign the form in the presence of the Notary Public.
- 13. Affix Notary Public's stamp/seal and signature.

FAILURE TO PROVIDE CORRECT AND COMPLETE ANSWERS TO THESE INQUIRIES CAN RESULT IN IMMEDIATE REJECTION OF YOUR PROOF!

The Proof of Completion of Work must be filled out entirely, signed, notarized and received in the Office of the State Engineer, Nevada Division of Water Resources, 901 S. Stewart Street, Suite 2002, Carson City, Nevada 89701, together with the \$60.00 statutory filing fee on or before the due date on the permit and not later than 30 days from the date of any final notice received from this office. A separate Proof must be submitted with the \$60.00 filing fee for each individual permit. If you have any questions, please call (775) 684-2800 or in Las Vegas (702) 486-2770, or visit our web page at:

http://water.nv.gov

Extraction Well I-AA	Extraction Well I-AB	Extraction Well I-Y
----------------------	----------------------	---------------------

Description of Point	of Diversion			
Part I	0. 2.70. 3.0.1			
Casing	Diameter (inches):	6	6	6
	Depth (feet bgs):	46	50	50.5
<u>Pump</u>	Туре:	Stainless steel,	Stainless steel,	Stainless steel,
		submersible	submersible	submersible
	Name:	Grundfos	Grundfos	Grundfos
		(5S05-13)	(5S05-13)	(5S05-13)
	Size:	4"	4"	4"
Motor	Name:	Franklin Electric	Franklin Electric	Franklin Electric
		(234 521 94 04 S)	(234 521 94 04 S)	(234 521 94 04 S)
	Size:	460V, 3P, 0.5 hp	460V, 3P, 0.5 hp	460V, 3P, 0.5 hp
Part II				
Measuring Device	Make:	Daniel L. Jerman	Daniel L. Jerman	Daniel L. Jerman
(Totalizer)		Company	Company	Company
	Model:	DLJ75P	DLJ75P	DLJ75P
	Serial number:	13008692	13008684	13008686
	Current Reading:	2261	525	1097
	Date of Reading:	6/3/2014	6/3/2014	6/3/2014
<u>Construction Date</u>		12/4/2007	8/14/2009	9/14/2000
Present static water I (feet bgs):	evel prior to pumping	31.82	31.21	27.16
Well Construction Co	mpletion Date:	12/4/2007	8/14/2009	9/14/2000
<u>Date of Connection to</u> <u>Treatment System:</u>	o Extraction and	3/4/2011	3/4/2011	3/4/2011
Approximate Date Pu	ımping Began:	May 2014	May 2014	May 2014

Notes:

bgs = below ground surface

Client: Tronox LLC Well No. I-AA **ENSR** | AECOM Project Number: 04020-023-160 Site Description/Location: West Side of Interceptor Well Field, Henderson, NV 26719770.85 N 827174.4 E Elevation: 1753.93 FT Coordinates Sheet: 1 of 2 **ENSR** 1220 Avenida Acaso Camarillo, CA 93012 Monitoring Well Installed: Yes Drilling Method: Sonic with continuous coring (805)388-3775 Sample Type(s): Split Spoon and Core Boring Diameter: Screened Interval: 26-46 ft. Weather: Logged By: E. Krish Date/Time Started: 12/2/2007 11:45 Depth of Boring: 47 ft. Date/Time Finished: 12/4/2007 10:00 Water Level: 30 ft Drilling Contractor: Boart Longyear / D. Cervantez Backfill: NA (mdd) Sample Depth Recovery (ft) \Box MATERIAL IDENTIFICATION, color, description of fine grained material DEPTH (ft) per **USCS** Headspace Sample Graphic (silt and clay) description of coarse grained material (sand and Well Diagram Blows p gravel), structural or mineralogical features, density or stiffness, moisture content, odors or staining. ALLUVIUM: SILTY GRAVELLY SAND, moderate yellowish brown (10YR 5/4), 20% silt, 25% fine grained angular to subangular pea gravel to 1/2" with minor gravel to 11/2", 55% very fine to medium grained with common coarse to very Steel Guard coarse grained subangular to subrounded sand, moderately soft calcareous Pipe 3 Feet cement in matrix. Above Ground Surface Top of Riser 2.6 Feet Above Ground Surface -6" Sch. 40 PVC Riser 10 Cement (94%) and Bentonite (6%) Slurry 15 -Bentonite Seal SILTY SAND, very pale brown (10YR 7/4), 30% silt, 70% very fine to fine grained subangular sand, common soft calcareous cement in matrix. 20 Sand Pack (#2-12) GM SILTY SANDY GRAVEL, moderate yellowish brown (10YR 5/4), hard, calichified, 15% silt, 25% of very fined to coarse grained subangular to subroundedsand, SM 60% medium pea gravel to 3/4". GRAVELLY SILTY SAND, moderate yellowish brown (10YR 5/4), 25% silt, 15% fine grained angular to subangular pea gravel to 1/8", 60% very fine to fine grained subangular to subrounded sand with common medium to very coarse grained, common moderately hard calcareous cement. SM GRAVELLY SAND, pale yellowish brown (10YR 6/2), 10% silt, 30% fine grained pea gravel to 1/8", 60% very fine to very coarse grained subangular to subrounded sand, moderately hard calcareous cement. GRAVELLY SAND, moderate yellowish brown (10YR 5/4), no silt, 40% fine grained CAPTURE WP subangular to subrounded volcanic pea gravel, 60% very fine to very coarse subangular to subrounded sand, no calcareous cement. 30 MUDDY CREEK FORMATION: INTERBEDDED CLAYEY SILT AND SILT, light ML brown (10YR 5/6), non-calcareous except in the thin scattered nodular caliche zones, locally contains trace very fine to medium grained sand, 5-10% clay nodular caliche zone at 30-31 bgs. Groundwater encountered at 30 feet bgs. WELL CONSTRUCTION TRONOX Well Screen (6" Sch. 40 PVC, 0.01" Notes: Muddy Creek Formation begins at 30 feet bgs.

GDT

S,

FNSR

GP.I

TRONOX

					Clie	ent:		Tronox LLC				
E	NSR .	AEC	OM		Pro	ject N	umber:	04020-023-160				Well No. I-AA
					Site	e Desc	cription/L	ocation: West Side of Interce	ptor Well Field, Henc	derson, NV		
	ENS	R			Cod	ordina	tes:	26719770.85 N 827174.4 E	Elevation: 1753.93	FT	Sheet: 2	of 2
	220 Avenio				Dril	lling M	lethod:	Sonic with continuous coring			Monitoring V	Well Installed: Yes
	(805)388				Sar	mple 7	ype(s):	Split Spoon and Core	Boring Diameter:	11 ln.	Screened In	nterval: 26-46 ft.
Weathe	r: N	Α						Logged By: E. Krish	Date/Time Started:	12/2/2007 11:45	Depth of Bo	ring: 47 ft.
Drilling (Contracto	r: Boa	art Lor	ngyea	r / D. (Cerva	ntez	Backfill: NA	Date/Time Finished:	12/4/2007 10:00	Water Level	<i>l</i> : 30 ft.
DEPTH (ft)	Sample ID	Sample Depth (ft)	Blows per 6"	Recovery (ft)	Headspace (ppm)	SOSO	Graphic Log	(silt and clay) desc gravel), structural moisture content,	cription of coarse gra or mineralogical fea odors or staining.	scription of fine grained ained material (sand an atures, density or stiffne	nd ess,	Well Diagram
40						ML		zones, locally contain nodular caliche zone (continued)	on-calcareous except is trace very fine to m at 30-31 bgs. Ground	in the thin scattered nodu- nedium grained sand, 5-10 dwater encountered at 30	ular caliche 0% clay) feet bgs.	
								Total Depth = 47 feet. Boring Terminated Target depth achieved				

WELL CONSTRUCTION TRONOX TRONOX CAPTURE WP.GPJ ENSR CA.GDT 4/25/08

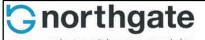


1100 Quail Street, Suite 102

Well Log

Newport Beach, CA 92660 Telephone: 949.260.9293 Fax: 949.260.9299 **Boring No.: I-AB** Project Number: 2027.02 Project Name: Vertical Delineation / Capture Zone Eval. Logged by: Dana R. Brown Drilling Contractor: Boart Longyear Date Started: 08/14/09 Date Completed: 08/14/09 Drilling Method: Rotary Sonic Total Depth (ft bgs): 51.0 Depth to Water (ft bgs): 29.0 Borehole Dia. (in): 10.0 Surface Elevation (ft MSL): Top of Casing (ft MSL): 1754.034 Completion: Monument Blank Casing: SCH 80 PVC Slotted Casing: Factory slotted SCH 80 PVC, 0.020" Slots Filter Pack Type: Silica Sand Size: #10-20 Casing Dia. (in): 6 From (ft bgs): 0 To: 25 Casing Dia. (in): 6 From (ft bgs): 25 To: 45 Interval (ft bgs) From: 20 To: 51 Remarks: Boring advanced with 10.0" casing to 51.0'; Neat Cement from 0' to 16'; 3/8" Holeplug from 16' to 20'. tion me

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Formation Nam	Material Description	Water Level	10.6 ev PID (ppi	11.7 ev PID (ppi	Well Construction
-1 -2 -3						Silty Sand (SM): Pale yellowish brown 10 YR (6/2), very loose to loose, dry. 10% fine angular to sub-angular gravel to 3/8"+, 60% fine to medium sub-angular sand, 30% non-plastic fines. Probable fill material, many fractured angular gravel clasts.		81.7	0.4	
-4 -5								0.4	0.5	
-6 -7 -8				SM	QAl			2.3	0.3	
-9 -10						Moist to damp @ 9.0' Gravel lens 10.0' - 11.0', 10% angular to sub-angular		56.7	0.7	
- 11 - 12				SM	QAl	gravel to 1/2". Silty Sand (SM): Very pale orange 10 YR (8/2), very		17.6	1.0	
-13 -14 -15				SM	QAl	loose, damp to wet. 5% fine sub-angular gravel to 1/2"-, 60% fine to medium sub-angular sand, 35% non-plastic fines. Soils wetted from pond infiltration. Silty Sand (SM): Very pale orange 10 YR (8/2), very loose, dry. 60% fine sub-angular sand, 35% non-plastic		24.4	0.8	
- 16 - 17 - 18 - 19 - 20 - 21				МН	QAl	fines. Unconsolidated, non-bedded fine sands, with very fine silt. Damp at upper contact, dry below 13.0' Elastic Silt (MH): Moderate yellowish brown 10 YR (5/4), very dense, wet. 5% fine sand, 95% moderate-plastic fines. No odor or staining. No resistance to sonic bit, driller lowered the casing through this unit. Poor recovery. 16.0' to 21.0' Driller-no resonance applied, too soft to drill. Unconsolidated sediments, 98%+non-plastic silt.		10.8	0.7	
- 22 - 23						Silty Sand (SM): Dark yellowish orange 10 YR (6/6), loose to medium-dense, dry to damp. 5% fine sub-angular gravel to 3/4"-, 65% fine to medium sand, 30% non-plastic fines. No odor or staining.		9.3	0.4	
-24 -25								0.9	0.2	
<u></u>				SM	QAl			1.8	0.3	
27 - 28				1		@ 28.0' Color change to pale yellowish brown 10 YR		388 185	6.5 1.8	
-29 -30						(6/2). Fining to 2% fine sub-angular gravel to 3/8"+, 60% sand, 38% fines.	$ \nabla$	26.9	1.4	
- 27 - 28 - 29 - 30 - 31 - 32 - 33 - 34				ML	Tmcf	Sandy Silt (ML): Dark yellowish brown 10 YR (6/6), medium stiff, wet. Trace sub-angular gravel to 3/8"+, 25% fine to medium sub-angular sand, 75% non-plastic fines. No odor or staining.		13.1	1.5	
¥ - 34 - 34								71.5	1.5	



DRB-ENVIRO WELL LOG TRONOX-1.GPJ 12/1/09

1100 Quail Street, Suite 102 Newport Beach, CA 92660 Telephone: 949.260.9293

Well Log

Fax: 949.260.9299 environmental management, inc **Boring No.: I-AB** Project Number: 2027.02 Project Name: Vertical Delineation / Capture Zone Eval. Logged by: Dana R. Brown Drilling Contractor: Boart Longyear Date Started: 08/14/09 Date Completed: 08/14/09 10.6 ev PID (ppm) ev PID (ppm) Well Construction Formation Name Sample Type Graphic Log Water Level **USCS** Code Material Description Depth (ft) 11.7 ML Tmcf - 36 Silt with Sand (ML): Moderate yellowish brown 10 YR 328 1.4 - 37 (5/4), stiff to medium-stiff, wet. Trace sub-angular coarse sand/fine gravel to 3/8", 15% fine sub-angular sand, 85% ML- 38 Tmcf non-plastic fines. Trace caliche as nodules to 1/16". No 346 2.4 39 odor or staining. -40 Sandy Silt (ML): Dark yellowish brown 10 YR (6/6), 443 3.9 medium stiff, wet. Trace sub-angular gravel to 3/8"+, 25% - 41 fine to medium sub-angular sand, 75% non-plastic fines. ML Tmcf 42 15.5 0.9 No odor or staining. - 43 Well graded Sand with Gravel (SW): Dark yellowish SW Tmcc 45.3 1.7 brown 10 YR (6/6), loose, wet. 15% fine sub-angular gravel to 3/4"-, 80% fine to coarse sub-angular sand (5/35/60), 5% non-plastic fines. No odor or staining. 62.1 0.8 46 Sandy Silt (ML): Dark yellowish brown 10 YR (4/2) medium dense, wet. 5% fine sub-angular gravel to 3/8"+, 48 65% fine to medium sub-angular sand with up to 15% coarse sub-angular sand (15/40/45), 30% non-plastic fines. 49 Up to 1% caliche as nodules and grain coatings. No odor or staining. No recovery 47.5' - 50.0' - 51 Total depth 51.0' @ 10:20, 8-14-09 - 52 - 53 54 - 56 - 57 - 58 - 59 -60 61 - 62 - 64 -65 - 66 - 67 - 68 - 69 - 71 - 72 - 73 - 74 Page 2 of 2

	RR-McGEE CORPORATION drology Dept S&EA Division	KM SUBSIDI		LC		HENDE HENDE	ERSO	N	, NV	BORING	FR I-Y
ЕРТН	3,	U HAHEIED N		BLOWS	ows			IL SAMP	LE	DEMARKS OR	
IN FEET	LITHOLOGIC DESCRIPTION	N	GRAPHI LOG	SOIL FIELD CLASS.	PER 6"	PID (ppm)	NO.	TYPE	DEPTH	REC.	REMARKS OR FIELD OBSERVATIONS
_	0-9 stygravell	JUAR Y	00.			_					
_	0-9 stygravell gry oran (byr 7/4) o pale yell brn (loyr	ind	0.0	SP/							
<u>-</u>	pale yell brn (104R	7/2)_	0:	5M							_
_	10-20% silt in vf-1	rusd	0								
- 9 -	w/10-20% volc gra pen gravel. Colca	reous.	0.0							entrem ental material material factor of the second	
′ —			0.000								-
_	9-19 Sdy GRAV Paleyell brn (10YR 7 20-30% vf-vc sd i	/Z) , ^	0.00								
- -	gran-peagrav. to	Z".	0.000	GP							_
, —	17-18 cubbles to	+"-5"	000	•							
-			0000	,							
19 - -	19-24 SAND gry	oran	1.000					<u> </u>			
-	(104R 7/4). vf-m			SP							
-	cg. SA-S.R. cleun		五								
26	23'-26		İ並								
	Volc Publics to 3". cali	ran. chified	0.00	Gh)	_					wet@27
28	_ 28-50 TD Sdy 511	T &	-								MC @ Z8'
3°−	SILT. Modyell or			-							
	(10 yr 7/6). 10-2 sd in silt.	- 70 115		ML	-						
35-	Calcareous throw w/minor sd-size caliche nodul	ghout	. [].[.]								
	- caliche modul	<u>د</u> دح									
						_					
	▼ Water Table (24 Hour)		_1:41			GRAPHIC	LOG	LEGI	END	DATE DRILLE	
	✓ Water Table (Time of Bori					CLAY	4	DE FIL	BRIS L	DRILLING ME	,
1	PID Photoionization Detection (ppm) NO. Identifies Sample by Number YPE Sample Collection Method SPLIT. BARREL AUGER CONTINUOUS NO					SILT		ORGANIC (PEAT) DRILLED BY LAYNE LOGGED BY CLAYEY SAND CLAYEY SAND		PERCUSSION DRILLED BY	
NATIC						SAND					AYNE
EXPLANATION						GRAVEL				ED KRISH ADE ELEVATION (FT. AMSL)	
	TUBE CONTINUO		RECOV	ERY	- 1	SILTY CLAY		J _ 7			R GRID COORDINATES
	DEPTH Depth Top and Bottom of REC. Actual Length of Recovere	Sample ed Sample	in Fee	t	1 12	CLAYEY SILT	L			LOCATIONO	Jb Coondinates

KERR-McGEE CORPORATION Hydrology Dept S&EA Division KM SUBSIDIA KM C		KM SUBSIDIAR				LOCATION HENDE	eson	. ^	JV	BORING NUMBER I-Y		
DEPTH				INIFIED	BLOWS				OIL SAMP			
IN FEET	LITHOLOGIC DESCRIPTIO	N S	§ 0	FIELD	PER 6"	PID (ppm)		TYPE	DEPTH	REC.	REMARKS OR FIELD OBSERVATIONS	
45 -	50'TD			M L	6'		NO.	TYP	DEPTH	REC.		
											- - -	
П	▼ Water Table (24 Hour)					GRAPHIC			IND	DATE DRILLED	4-00 Z of Z	
	V Water Table (Time of Boring Photoionization Detection (p. NO. Identifies Sample by Number Sample Collection Method	pm)				CLAY		HIGH ORG	HLY ANIC (PEAT)	PEDRILLED BY	RCUSSION HOD	
EXPLANATION	SPLIT- BARREL AUGER	RC	OCK ORE		1	SAND			NDY AY AYEY ND	OGGED BY	YNE	
EXP	THIN. WALLED CONTINUOUS	S NO RE	O COVEF	RY	i	SILTY CLAY		JA	1	ED EXISTING GRA	KR 15H LDE ELEVATION (FT. AMSL)	
	DEPTH Depth Top and Bottom of S REC. Actual Length of Recovered	Sample I Sample in	Feet			CLAYEY SILT		_	1	LOCATION OF	GRID COORDINATES	

KERR-McGEE CORPORATION HYDROLOGY DEPARTMENT MONITORING WELL INSTALLATION DIAGRAM ____Casing Cap Vent ? Yes 🛛 No 🗍 Protective Pipe ----____Lock ? Yes 🗍 No 🔀 Yes 📉 No 🗌 ∠Weep Hole ? Yes 🔲 No 🔯 Steel 🕅 PVC 🗌 Surveying Pin ? --Concrete Pad Ft. x _____Ft. x ____Inches Yes 🗌 No 🗷 DRILLING INFORMATION: DEPTH La Borehole Diameter= 10.75 Inches. FROM BELOW TOP OF 2. Were Drilling Additives Used? Yes No Concrete GRADE CASING Revert Bentonite Water 3 Solid Auger | Hollow Stem Auger | 3. Was Outer Steel Casing Used? Yes 🗌 Depth= to Feet. Cement/Bentonite Grout Mix Yes 📈 No□ 4. Borehole Diameter for Outer Casing 5.5 Gallons Water to WELL CONSTRUCTION INFORMATION: Ft. 94Lb. Bag Cement & I.Type of Casing: PVC T Galvanized Teflon 3-5 Lb. Bentonite Powder Stainless Other 2. Type of Casing Joints: Screw-Couple 🛛 Glue-Other: Couple Other 3. Type of Well Screen: PVC 😿 Galvanized 🗌 Stainless Teflon Other Bentonite Seal 4. Diameter of Casing and Well Screen: Ft. Casing 6 Inches, Screen 6 Inches. 5. Slot Size of Screen: 0.020 Pellets Slurry 14 Filter Pack 6. Type of Screen Perforation: Factory Slotted 🛛 Ft. Above Screen Hacksaw Drilled Other 7. Installed Protector Pipe w/Lock: Yes X No ... 20 WELL DEVELOPMENT INFORMATION: 1. How was Well Developed? Bailing Pumping Air Surging (Air or Nitrogen) Other_ FILTER PACK MATERIAL 2. Time Spent on Well Development ? Silica Sand _/____ Minutes/Hours 30 Ft. Washed Sand 3. Approximate Water Volume Removed ? _____ Gallons 4. Water Clarity Before Development? Clear Pea Gravel Turbid Opaque Other: 5. Water Clarity After Development? Clear Turbid [Opaque [Sand Size 10-20 6. Did Water have Oder? Yes No No 50 If Yes. Describe 7. Did Water have any Color? Yes No No Dense Phase Sampling Cup 5 Ft. Bottom Plug If Yes, Describe 50.5 Yes No 🗍 WATER LEVEL INFORMATION: Water Level Summary (From Top of Casing) Overdrilled Material During Drilling 28 ng Ft. Date 9-14-00 Backfill Ft. Before Development 28.85° Ft. Date $9-19-\infty$ Grout Sand Caved Material After Development _____ Ft. Date_ Other:___ Date Installed 9-14-00 Drill Rig Type AP-1000 Driller/Firm LAYNE Kerr-McGee Drill Crew HORMANN Well No. I-Y Hydrologist ED KRISH

3.40 Z> > TOC

24 3.8

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF NEVADA PROOF OF COMPLETION OF WORK

!Read the filing instructions on back of this form!

STATE OF (Where Sworn)	California							
COUNTY OF (Where Sworn)	Alameda							
Comes nov	W Kimberly Kuwabara	, CEM, ENVIRON	Internation	nal Corpo	oration	(2), on	behalf of the	Permittee of
record, known as	Nevada Environmental	l Response Trust (N	ERT)		(3), W	vho after being	g first duly swo	orn, deposes
and says that at le	east \$20,000.00	(4) has been expen	ided in wor	k perfori	med or imp	rovements ma	de to develop	water as set
forth under the co	onditions of Permit No.	79866E						
	f the Point of Diversion		d permit is	as follow	vs:			
	well or diversion struct fextraction wells I-AC				sheet.			
	of the permit call for a garding measuring device			-				<u>eet.</u>
Construction o has been worki	ude any other information of wells I-AC and I-AD ving with NDEP to determined above being essential	was completed in 20 mine the appropriate	010, but the e timing for	r ground	water extrac	ction from thes	se wells.	tly, NERT
								n is located
	ersion were completed of							
Well Driller or D	NW 1/4 SE 1/4 oiversion Works Constru	ection Contractor W	DC Explo	ration		, Range		(9)
For underground	source, attach copy of the	he well log. If poss	ible, provid	le a well	log numbei	r	,	(10)
	please provide the prese							
State of Califo				Signed	Kube	Ju Zuu Germittee c ell Street, Suit	nlalo	(12)
Subscribed and so	worn to before me on worn to before me on worn	July (, 2014 tany Public	(13)	Phone	Emeryvill (510) 420-	Street Address e, CA, 94608 City, State, 2 -2525 Phone number	ZIP Code	
Mys. 0	Signature of Notary Public				NINA	Commiss Notary Pt Alam	AEL S. OHDA sion # 2065247 ublic - California leda County xpires May 18, 2	NATA

(Notary Seal)

FILING THE PROOF OF COMPLETION OF WORK

- 1. Indicate the State and County in which the proof is notarized.
- 2. Write in the name of the person signing the proof. If other than the permittee, give authority for signing. <u>Name of representative MUST match exactly the name in signature block.</u>
- 3. The proof represents a sworn statement as the person signing the proof confirms the veracity of the information provided therein. Attach additional sheets if necessary.
- 4. Indicate the approximate amount of money spent on the works to divert water.
- 5. **Important!** Describe the work performed and prior improvements made to develop the water allowed under the conditions of the permit. *Do not reference previously submitted proofs.*
 - (a). <u>If this is an underground point of diversion (well)</u>, describe the diameter and depth of casing, the size, name and type of pump, and the name and size (hp) of motor installed.
 - (b). For a point of diversion on a stream, spring, lake, or other surface water source, fully describe the completed works used to divert or store water, e.g., dams, ditches, pipelines, pumping stations, etc., from the point of diversion to the place of use.
- 6. Describe the flow meter, or other measuring device that is installed, if required by the terms of the permit. For meters, include the make, model, serial number, current reading and date of that reading. If the flow rate is measured by weir, headgate, ditch company, power meter, "bucket and watch," etc., this must be mentioned and the measuring device described in full detail.
- 7. Indicate the approximate date the well or other diversion works were completed.
- 8. Describe the point of diversion by public land survey. This description must match the legal description of the permit.
- 9. Provide the name of the well driller, or diversion works construction contractor.
- 10. If applicable, attach a copy of the well log. If possible give the State Engineer's well log number.
- 11. If possible please provide the present static water level before pumping began.
- 12. Sign the form in the presence of the Notary Public.
- 13. Affix Notary Public's stamp/seal and signature.

FAILURE TO PROVIDE CORRECT AND COMPLETE ANSWERS TO THESE INQUIRIES CAN RESULT IN IMMEDIATE REJECTION OF YOUR PROOF!

The Proof of Completion of Work must be filled out entirely, signed, notarized and received in the Office of the State Engineer, Nevada Division of Water Resources, 901 S. Stewart Street, Suite 2002, Carson City, Nevada 89701, together with the \$60.00 statutory filing fee on or before the due date on the permit and not later than 30 days from the date of any final notice received from this office. A separate Proof must be submitted with the \$60.00 filing fee for each individual permit. If you have any questions, please call (775) 684-2800 or in Las Vegas (702) 486-2770, or visit our web page at:

http://water.nv.gov

Supporting Information - Proof of Completion Permit to Appropriate Water, Permit No. 79866E, Nevada Environmental Response Trust

Extraction Well I-AC Extraction Well I-AD

Description of Point of Diversion							
Part I							
Casing	Diameter (inches):	6	6				
	Depth (feet bgs):	50	45				
<u>Pump</u>	Туре:	Stainless steel,	Stainless steel,				
		submersible	submersible				
	Name:	Grundfos	Grundfos				
		(5\$05-13)	(5S05-13)				
	Size:	4"	4"				
Motor	Name:	Franklin Electric	Franklin Electric				
		(234 521 94 04 S)	(234 521 94 04 S)				
	Size:	460V, 3P, 0.5 hp	460V, 3P, 0.5 hp				
Part II							
Measuring Device	Make:	Daniel L. Jerman	Daniel L. Jerman				
(Totalizer)		Company	Company				
	Model:	DLJ75P	DLJ75P				
	Serial number:	13008720	13008721				
	Current Reading:	267	1806				
	Date of Reading:	6/3/2014	6/3/2014				

Present static water level prior to pumping (feet bgs):	29.17	29.52
Well Construction Completion Date:	6/15/2010	6/16/2010
<u>Date of Connection to Extraction and Treatment System:</u>	3/4/2011	3/4/2011
Approximate Date Pumping Began:	May 2014	May 2014

Notes:

bgs = below ground surface

northgate environmental management, inc.

WELL NUMBER I-AC
PAGE 1 OF 2

300 Frank H. Ogawa Plaza, Suite 510 Oakland, CA 94612

PROJECT NUMBER 2027.02 DATE STARTED 6/14/10 COMPLETED 6/15/10 DRILLING CONTRACTOR WDC DRILLING METHOD Sonic						BORING LOCATION						
						C ELEVATION	***************************************	SIZE 9"				
					GR.	OUNDWATER LEVELS: AFTER DRILLING 26.2 ft	☑ AT TIN AT EN	AT TIME OF DRILLING 33.00 ft				
					CHECKED BY SUI	RFACE CONDITIONS:						
(#)	SAMPLE TYPE NUMBER	FORMATION		GRAPHIC LOG	r (i o tropina de partir de la company de la	DESCRIPTION		WELL DIAGRAM				
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		Qal	SP-SM		WELL GRADED SAND WITH SILT AND CONTROL of the tomedium grain with common control of the well graded sand, 15% granules/pea gravel and grain coatings.	earse to very coarse angular to su I to 3/4", 10% silt, moderate calic	b rounded	Cement/ Bentonite Grou EP 7/1 2" Schedule 40 PVC Riser				
19 20 21 22 23 24 25 26 27 28 29 30 31		Qal Qal Qal Qal			SILTY SAND (SM); yellowish brown (10YR coarse to very coarse grain sub angular to sub angular vold Sp(?) calcareous cement/coatings from 23-Common calcareous cement/coatings from SILT WITH SAND (ML); yellowish brown (coarse grain sub angular to sub rounded sa coatings.	sub rounded moderately well sort canic granules, damp at 24' i-25'. in 25-28'. 10YR 5/4), 70% calichified silt, 30	eed sand,	■ Hydrated Bentonite Chips				
32 33 34		UMC	fML	_	SILT INTERBEDDED WITH SANDY SILT fine grain sand, 20-30% very fine grain sand 47-5-5	nd locally, non-calcareous. Sandy	e), 10% very y zones at:	6" EP 7				

WELL NUMBER I-AC

PAGE 2 OF 2

300 Frank H. Ogawa Plaza, Suite 510 Oakland, CA 94612

environmental management, inc. PROJECT NAME Tronox **BORING LOCATION** PROJECT NUMBER 2027.02 PROJECT LOCATION Henderson, NV SAMPLE TYPE NUMBER FORMATION GRAPHIC LOG U.S.C.S. DEPTH (ft) MATERIAL DESCRIPTION WELL DIAGRAM SILT INTERBEDDED WITH SANDY SILT (ML); yellowish brown (10YR 5/4), 10% very fine grain sand, 20-30% very fine grain sand locally, non-calcareous. Sandy zones at: 43-44' 20-30% very fine grain sand, 47.5-50' 20-30% very fine grain sand. (continued) PVC 0.010" 36 Slotted Well Screen 37 10-20 Filter Pack Sand 38 39 40 41 42 UMC ML 43 20-30% very fine grain sand from 43-44' bgs. 44 45 46 6" EP 7/1/14 2"Schedule 40 47 PVC Blank 48 20-30% very fine grain sand from 47.5' to 50' bgs. Casing 49 6" EP 7/1/1 2" Schedule 40 50 Bottom of borehole at 50.0 feet bgs. PVC End Cap GENERAL NORTHGATE ENV_FORMATION_OS 2027.02_T_23_BORING_LOGS.GPJ 11/11/10

northgate 300 Frank H. Ogawa Plaza, Suite 510

.02 T 23

SO

FORMATION

NORTHGATE ENV

WELL NUMBER I-AD

PAGE 1 OF 2 Oakland, CA 94612 environmental management, inc. PROJECT NAME Tronox BORING LOCATION PROJECT LOCATION Henderson, NV PROJECT NUMBER 2027.02 TOC ELEVATION HOLE SIZE 9" COMPLETED 6/16/10 DATE STARTED 6/15/10 DRILLING CONTRACTOR WDC GROUNDWATER LEVELS: ∇ AT TIME OF DRILLING 33.00 ft DRILLING METHOD Sonic AFTER DRILLING _---AT END OF DRILLING _---LOGGED BY EK CHECKED BY SURFACE CONDITIONS: ___ NOTES: I-AD is 10 ' north of M-180. Lithologic descriptions from M-180 SAMPLE TYPE NUMBER -ORMATION GRAPHIC LOG DEPTH (ft) U.S.C.8 MATERIAL DESCRIPTION WELL DIAGRAM FILL; brown and dark yellowish brown, sands, gravels, cement debris. 1 2 3 4 6 SILTY SAND (SM); reddish brown (5Y 5/4), 60-65% very fine to medium grain with 7 common coarse to very coarse grain sub angular to sub rounded sand, 5-10% angular to sub angular volcanic gravel to 3/4", 20% silt, common calcareous coatings and soft 8 cement t 9 Cement/ Bentonite Grout 10 11 12 6" Schedule 40 13 **PVC Riser** 14 15 SM 16 17 18 Varying amount of calichification, abundant and hard from 18.5-19' and 23-24'. Hydrated 19 Bentonite Chips 20 21 22 23 24 WELL GRADED SAND WITH SILT (SW-SM); grayish brown (10YR 5/2), fine to coarse grain sand, <10% silt to 26' then 20% silt, 10-15% volcanic angular to sub angular 25 gravel to 1/2" with trace to 1-2", non calcareous to 26' then moderately calcareous to 26 SW SM 27 28 SILT (ML); yellowish brown (10YR 5/4), common to abundant hard to soft caliche zones 29 MI and nodules 30 SAND (SW); yellowish brown (10YR 5/4), fine to coarse grain poorly sorted sub angular SW to sub rounded sand, 5-10% volcanic angular to sub angular gravel to 3/8", 6" bed of 31 \angular to sub angular gravel to 1" in silty matrix at 30'. CL 32 CLAY (CL); very pale brown (10YR 8/2), abundant caliche zones and nodules to 3-4". SILT WITH SAND (ML); very pale brown (10YR 7/4), coarse grain silt, 10-20% very fine 10-20 Filter 33 Pack Sand grain sand, non calcareous. ML 34 6" Schedule 40

V

WELL NUMBER I-AD

PAGE 2 OF 2

300 Frank H. Ogawa Plaza, Suite 510 Oakland, CA 94612 environmental management, inc.

PROJECT NAME Tronox **BORING LOCATION** PROJECT NUMBER 2027.02 PROJECT LOCATION Henderson, NV SAMPLE TYPE NUMBER FORMATION GRAPHIC LOG U.S.C.S. DEPTH (ft) MATERIAL DESCRIPTION WELL DIAGRAM PVC 0.010" Slotted Well ML 36 SILT (ML); very pale brown (10YR 7/4), coarse grain silt, trace very fine grain sand. Screen 37 38 39 ML 40 41 42 43 44 6" Schedule 40 45 PVC End Cap 46 47 Native Fill 48 49 50 Bottom of borehole at 50.0 feet bgs. GENERAL NORTHGATE ENV_FORMATION_OS 2027.02_T_23_BORING_LOGS.GPJ 11/11/10