

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

MEMO

To: File

From: Elizabeth Victor

Date: August 29, 2016

Site Name/BRRTS: Kewaunee Marsh Arsenic Spill (02-31-000508)

Re: Field Activities Report for July 15, 2016

Who:

Liz Victor, NER R&R Hydrogeologist Tom Verstegen, NER R&R Hydrogeologist

Purpose of Field Visit:

Collect one round of water levels, and bail and inspect those wells targeted for groundwater sampling to determine if recharge is sufficient and if well conditions were conducive to sampling.

GPS Unit Used: Garmin eTrex 20 Operated by Liz Victor Camera Used: Canon Powershot SX 510 HS Operated by Liz Victor

Scope of Work for Field Visit

- 1) Assess and document monitoring well conditions
 - Determine if all of the wells are present
 - Collect construction/design info and assess conditions of all wells present (obstructions, bailers or new locks needed, etc.)
 - Pre-bail wells to evaluate their response and water turbidity
- 2) Collect one complete round of groundwater elevation data

Site Conditions

Temperatures were in the low 80s. During this site visit, all vegetation had grown considerably taller and thicker making walking very difficult. The cattails and phragmites were nearly 5 above our heads and the reed canary grass had fallen over to create a barrier that was difficult to walk through. Because of the height and thickness of the vegetation, the PVC pipes that mark the location of each well could not be seen above the cattails and the wells themselves were difficult to locate, even when using the GPS.

Tasks Completed:

- Collected groundwater elevation data from 15 monitor wells and bailed 11 of the 16 monitor wells.
- Read the staff gage on the Kewaunee River.
- We could not locate GW01-11 or MW02-6 but did find an unlocked PVC stickup well which had a bailer suspended inside (GPS Waypoint #154). By looking at the location of the waypoint, this well is either sts-mp2 or sts-mp3.
- We terminated the field work at ~1:30 pm after realizing that we would likely not complete the field work within a reasonable work day.
- Waypoints and observations are shown on the attached map, Kewaunee Marsh: July 15, 2016.



August 29, 2016 Field Activities Report for July 15, 2016

Remaining Tasks to be Completed:

- Collect one complete round of groundwater elevation data.
- Complete well bailing and well inspection task

Findings and Further Questions:

<u>Stressed Vegetation</u> – the area of stressed vegetation (identified during the June 15th & 29th, 2016 field visits) was not inspected during this site visit.

<u>Surface Water</u> - surface water levels at the site were lower; much of the area traversed was dryer than the June 2016 site visits.

<u>Monitoring Wells</u> - After uncapping the wells, the bailers, which were submerged in the water column to some extent, were pulled out and allowed to equilibrate for 2-5 minutes. Water level data were then collected followed by bailing. The wells were bailed down to near the bottom almost immediately. Recharge into the wells was slow but steady. After this, the bailers were put back into the well, positioning them, if possible, above the water in the well. Based on the slow recharge and the submerged bailers, I question whether or not the wells had sufficiently recharged prior to collection of water level data.

Well ID	DTW	TD	Color/turbidity	Bailing	Comments
GW01-2	2.51	4.93	Cloudy, grey	Bailed to ~4" from bottom then	Not locked
				slow recharge	
GW01-7	1.84	4.92	clear	Bailed to ~12" from bottom,	Not locked
				then slow recharge	
GW01-8	1.75	4.95	NA	Well not bailed	Cap in mud, no lock, PVC well marker broken
GW01-9	2.93	4.92	Lt br, slightly cloudy, black	Bailed (1.5 bailers) to ~6' from	
			residue on bottom of bailer	bottom, then slow recharge	
MW02-3	3.75	7.95	SI cloudy	Bailed to ~10" from bottom,	
				then slow recharge	
MW02-3i	5.27	12.84	NA	Not bailed	
MW02-3d	5.03	22.15	NA	Not bailed	
MW02-8	3.57	11.95	clear	Bailed to ~18" from bottom,	PVC well marker is broken, tall phragmites
	1			then good recharge	
MW02-8i	2.16	9.51	NA	Not bailed	
MW04-9	2.97	8.68	SI cloudy to clear	Bailed (3 bailers) to ~3" from	
				bottom, then slow recharge	
MW11-1	6.44	9.41	Brown, cloudy, silt in bailer	Bailed to ~4" from bottom, then	
				slow recharge	
MW11-1i	5.70	14.55	Lt brown, sl cloudy	Bailed (4 bailers) to ~3" from	
				bottom, then slow recharge	
MW11-2	5.91	9.67	Clear, black residue on	Bailed to ~5" from bottom, then	
			bottom of bailer	slow recharge	
MW11-3	4.28	9.56	clear	Bailed to ~6" from bottom, then	
				slow recharge	
MW11-3i	5.09	14.77	Lt brown, sl cloudy	Bailed to ~12" from bottom,	
				then quick recharge	
Unknown	NM	NM	No lock, well has bailer, well i	s a "pvc stick-up" with no protective	casing
MW					
River	Gage: 3	3.40ft	Measured from staff gage mo	unted to wood pilings on north east	side of rail trail bridge.
DTW: depth	to wate	r in ft me	easured from top of casing $\top D$:	Total well depth measured from to	p of casing
NA: Not App	olicable,	NM: Not	measured,		

Elizabeth Victor, P.G.

Hydrogeologist Oshkosh Service Center Remediation and Redevelopment Program

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Recommendations:

- In the future, consider modifying water level data collection process to allow for proper equilibration:
 - 1. Uncap and remove bailers from all wells, allow 15 minutes or so for equilibration, then proceed with collection water levels, followed by a second round of data collection for verification, or
 - 2. For wells inside protective metal casings consider <u>not</u> storing the dedicated bailers inside the wells and leave the wells uncapped so that wells remain in a state of equilibration. This will require switching from dedicated bailers to disposable bailers (not very environmentally considerate) or to sampling with a peristaltic pump/dedicated tubing. This will allow the collection of water levels followed directly by well purging.
- Obtain a list of well, pond, and gate coordinates in both WTM & Lat./Long. To any gps unit can be used in the field.
- MW02-8/MW02-8i: Comparing total well depth to well name in the above table, it looks like either the depth to
 water was recorded incorrectly or the well casings were mislabeled. Verify well IDs in the field by double checking
 the total well depth.
- In the future, take photo of river staff gage for later reference in determining river level. Staff gage can be hard to read from bridge.

Attachments:

- Kewaunee Marsh Photo Thumbnails, 7/15/2016
- Staff Gage reading verification photo
- Coordinates measured in field on 7/15/2016
- Kewaunee Marsh: Waypoints and Tracks from 7/15/16 Visit
- Field Notes, 7/15/16
- Monitor well construction information table used in field
- Drawing 1, STS Consultants Ltd., 12/18/04 with proposed scope of work for bailing and water levels used in the field.

Elizabeth Victor, P.G.

Hydrogeologist Oshkosh Service Center Remediation and Redevelopment Program WM09-8 1 12-5010 0

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River Stuff bage 7 15 2016 Q

River N. OF Cty Rd ES

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cts Rd Ea

- Carrier Anna

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Photo of river staff gage, Kewaunee Marsh, July 15, 2016.



Depth to water observed from bridge and reported in field notes: $^{\sim}3.4'$.

Depth to water based on closer examination of above photo: 3. 40 (02-31-000 508)

KEWAUNZE MARSH

TRACKS AND WAYPOINTS July 15, 2016

ident	Latitude	Longitude	WTM X	WTM Y	ltime	Comment
136	44.47546	-87.517122	717467.2119	447681.8706	07/15/2016 8:33	
137	44.475457	-87.517133	717466.3471	447681.5108	07/15/2016 8:33	
138	44.475421	-87.517124	717467.1844	447677.5337	07/15/2016 8:34	
139	44.475554	-87.517016	717475.3251	447692.5682	07/15/2016 8:35	
140	44.475633	-87.517493	717437.1216	447700.191	07/15/2016 8:40	I believe these
141	44.475363	-87.517237	717458.3929	447670.8181	07/15/2016 8:42	waypoints were
142	44.475401	~87.517257	717456.674	447674.9908	07/15/2016 8:42	recorded accidently
143	44.475433	-87.517281	717454.6573	447678.4873	07/15/2016 8:42	when bending
144	44.475796	-87.517543	717432.595	447718.1761	07/15/2016 8:47	over/moving caused
145	44.47552	-87.515273	717614.0649	447693.0045	07/15/2016 10:26	depression of
146	44.475525	-87.515282	717613.3322	447693.5381	07/15/2016 10:26	waypoint button on
147	44.475525	-87.515283	717613.2527	447693.5357	07/15/2016 10:27	gps. They do not
148	44.475514	-87.515285	717613.1308	447692.309	07/15/2016 10:27	correspond to any
149	44.475515	-87.515281	717613.4455	447692.4298	07/15/2016 10:27	specific item.
150	44.475524	-87.515264	717614.7672	447693.4706	07/15/2016 10:27	
151	44.475533	-87.515254	717615.5321	447694.4945	07/15/2016 10:27	
152	44.475885	-87.515809	717570.2032	447732.2525	07/15/2016 10:55	
153	44.474465	-87.513906	717726.3505	447579.1223	07/15/2016 12:53	
154	44.474809	-87.513862	717728.6877	447617.4399	07/15/2016 13:16	sts mp-2 or sts-mp-3

GPS unit used: garmin eTrex 20 Sof (operated by EAV) comments by EAV



7/15/16 Wine Ching 1 PTW TD-NAME TUM Verstege MW11-3 MW 11-3: 5.091 of many - arrive at site. See new phets - get dressed, etc. - open wells on west end of cap, remove bailers, collect water levels, pige wells re-cap See next elee re-Loik Puppose of Field Visit: - Collect 1 round of water levels develop for ypcoming Sampling event and to see how they respond and how turbid they are,

						1
	1				i set	
3	DW	DO,				
mwit-3;	5.00	14.77	H.br. S	ldug-	benied down +31 then recharged gridey	_
mw11-3 .	4,28	9.56	Cleas-	balled.	well to =611 then recharge	- #
mw11-2	5.91	9.67d	in Daile	d to	without 5" of houther Rechard - typer back bie	~
MW1-1	6.44	9.41	静的, C1	aug- GR	Well was sith. Bailed to 9" of bothon then rectar	zz ,
MWII-1	5,70 1	4.55	(t, b, s)	churcy-	, bailed & x then builed to 3" of bottom, the recharge	-
MWG4-9	2.978	68 - 6	pa, led to	23" oft	a 35 ballers. Clean Sl. Clor of blave	-
GWU1-9 2.93	CAR "	1.92 - ba	ailed lxCa	full ha	10 T 6 " W / recherge - It br. SP. Clark - res: dre anton	4
Muldag	5.18	1.95 - 1	ailed -	0 21011	The reckarged - St. Cloudy	_
Mwaz-31	5.01	12.84-	NOF	birded		-
MW02-50	2.05	V 07 -	NOF 1	Ell a	**************************************	_
Mar-Sil	252	1.75	66,10x =	1 + 1011	Class, gres ben to N The recheved	-
MUND-Si	2.16	9.51	Pur	Maria	1. sile Parz, 2. the high V 1. th	-
61301-8	175	495	Cupi	iwice	a liver all in ful make bound	
60301-66 0020	000	Rud	-ap)	a msa_	no row may part a men some well	-
6401-7-153	4.924-	1.84	· Cop n	A 10114	"Clear balent to 7 12" water - Then red m in	
WP 154 1	STS 1	NP 2	00	Lock	Localar PUT KX 21620	
- ini	~~~					
Quit-	1:30 p	m = (cannot	- Find	· the wells	
2:37- R	wer i	site +	3.41-	Lots	of slim on marke. refer to	
pr	000,	¢.				
3:00 pm-	Lear	e site,	Lock	- gute	at Entry part to that.	÷.
+11.0	Tar	el bac	K b	OSL	1C 4552	
-4:30pm-	an	lk at	OS L	-1Cosh	i chicord part	
		* S	-	τ	C	



MONITOR WELL CONSTRUCTION INFORMATION

KEWAUNEE MARSH ARSENIC SPILL

Monitoring Point	WTM_X	WTM_Y	TOC Elevation (ft msl)	Land Surface Elevation (ft msl)	total well depth (ft bls)	casing dia. (inches)	borehole dia (inches)	length of screen (feet)	depth to TOS	(ft btc or bls)	screen slot size	Filter pack	Installation date	Installe d by	depth of peat (ft bls)	Statio ID #
AG /sts-mp1	717759.057	447684,725	583.26*		~6-7		na	5	/		0.006	none	early '96	sts		
Ap sts-mp2	717729.871	447617.384	583.12*		~6-7		na	5			0.006	none	early '96	sts	- Charles and responses of the	
AB sts-mp3	717707.097	447625.324	583.19*		~6-7		na	5			0.006	none	early '96	sts		
sts-mp4 (GW01-11)	717703.518	447571.935	580.54**		~6-7		na	5			0.006	none	early '96	sts		
Agvsts-mp5 (GW-D)	717592.368	447542.172	581.47*		~6-7		na	5	er Sough de la drinde antiperaties 		0.006	none	early '96	sts		COMPANY OF THE REAL PROPERTY OF
AB / sts-mp6	717482.712	447793.719	581.31*		~6-7		na	5	1		0.006	none	early '96	sts		
gw-01 (SDW-1)	717592.36	447497.297			5	17/8	na	1	4	btc		none	4/8/96	DNR		
w-02 (SDW-2) (GW-E)	717545.729	447471.279	and an		5	17/8	na	1	4	btc	sawed	none	4/8/96	DNR		
gw-03 (SDW-3)	717497.501	447534.528	The sub-		5	17/8	na	1	4	btc	slits	none	4/8/96	DNR	1	()
-gw-04 (SDW-4)	an de la companya de	a da dana ang ang ang ang ang ang ang ang ang	THE REPORT OF TH		5	17/8	na	1	4	btc	7	none	4/8/96	DNR	l anna deserra (nectora deservador)	Sound and an article of the
AR / gw-05	717475.92	447610.009			~3	1.5	na	1	4	btc		none	5/20-23/96			
/gw-06	717553.704	447743.158			. ~3	1.5	na	1	4	btc		none	5/20-23/96			min — er di Lara
gw-07	717639.041	447751.377	an an innin a ta		~3	1.5	na	1	4	btc		none	5/20-23/96		t	
_gw-08	717753.523	447695.619	11 No. 4 No.		~3	1.5	na	1	4	btc		none	5/20-23/96			and the first start of the second start of the
gw-09	717739.081	447590.607			~3	1.5	na	1	4	btc		none	5/20-23/96			an na sa tangan ang
gw-10	717622.491	447601.425			~3	1.5	na	1	4	btc	sawed	none	5/20-23/96	and a street state of the street street	anan lan popoles a san san	and a supervised of the second se
gw-11	717672.627	447511.785	ennius ninės – Censos Esciporedos		~3	1.5	na	1	4	btc	slits	none	5/20-23/96	n manananan manananan sa	nation contraction and	ener sonna aralletationer
gw-12	in the second				~3	1.5	na	1	4	btc		none	5/20-23/96		all and a second	
gw-13					~3	1.5	na	1	4	btc		none	5/20-23/96		in the second	nume canal to be an a p
~gw-14	717468.63	447554.62			~3	1.5	na	1	4	btc		none	5/20-23/96		The second s	and a second second second
✓ gw-15	717493.2	447565.06	a dalamati ung bilaki pungki kungan dalamat dalamat dalamat dalamat dalamat dalamat dalamat dalamat dalamat da		~3	1.5	na	1	4	btc		none	5/20-23/96			si one si energi quanna este i
AS GW01-1	717533.63	447789.3	582.94	u	~3		na	1.2	1.8	bls		none		DNR		31313
√GW01-2	717573.17	447730.34	582.68		~3	n there are a the second second standard the	na	1.2	1.8	bls		none		DNR	1999-900 (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (199	31313
A GW01-3	717699.72	447722.5	582.61		~3		na	1.2	1.8	bls		none	a na haran na sana sa	DNR	en tradición de la complete de la co	31313
AB GW01-4	717765.35	447755.69	582.18	and the second second second second	~3		na	1.2	1.8	bls		none	a na sana an	DNR		31313
GW01-5	717736.95	447705.51	582.16		~3		na	1.2	1.8	bls	• • • • • • • • • • • • • • • • • • •	none	i na se li la se la seconda de la second	DNR		31313
√GW01-6	717743.79	447649.86	582.44	- 11 ⁻⁰⁰	~3	1	na	1.2	1.8	bls		none		DNR		31313
&W01-7	717726.5	447579.25	582.41	na an a	~3		na	1.2	1.8	bls		none	n eromini noros — in esco provi condecidade.	DNR	non an airde a fearainn a	31313
GW01-8	717670.94	447597.36	583.22	and a second second second second 174	~3	a a station and a station of the station of the	na	1.2	1.8	bls		none	adara na sanata na Uran na manana magaka	DNR	nan ker nyeve nyet kane ange	31314
GW01-9	717500.96	447642.31	583.02	and demotion of the	~3		na	1.2	1.8	bls		none		DNR		31314
AB GW01-10	717636.19	447524.8	583.5		~3		na	1.2	1.8	bls		none		DNR	a and a second	31314

V well is still present

AB: wells proposed for a bandonment.

	FIELDCycz
on ŧ	Other
na se	pushed temporary wells with 3 ft stickups. No well construction diagrams were provided
	Field notes 4/8/96: wells: slotted pvc pushed into low, wet areas in "lower organic soils". See 10/10/96 memo for coordinates and groundwater elevations. No well construction diagrams were provided.
	5 ft PVC pipe, bottom 1 ft was slotted using a saw. Pushed into ground with ~2 ft stickup. No well construction diagrams were provided.
 33 34 35 36 37 38 39 40 41 42 	Wells were driven 3 ft into the ground. Bottom 14 inches are screened

Monitoring Point	WTM_X	WTM_Y	TOC Elevation (ft msl)	Land Surface Elevation (ft msl)	total well depth (ft bls)	casing dia. (inches)	borehole dia (inches)	length of screen (feet)	depth to TOS	(ft btc or bls)	screen slot size	Filter pack	Installation date	Installe d by	depth of peat (ft bls)	Statio ID #
MW02-1	717447.936	447619.356	585.81	583	7	2	6	2.5	4.5	bls	0.006	40/60	7/24/02	sts	6	PK19
MW02-1i	717448.087	447617.59	586.09	580.5	12	2	6	2.5	9.5	bls	0.006	40/60	7/24/02	sts	6	PK19
MW02-1d	717447.723	447621.493	585.81	583	22	2	8	2.5	19.5	bls	0.006	40/60	7/24/02	sts	6	PK19
MW02-2	717595.135	447761.748	583.6	580.4	5.4	2	6	2.5	2.9	bls	0.006	40/60	7/17/01	sts	8	JY95
MW02-2i	717595.445	447762.507	583.2	580.5	10	2	6	2.5	7.5	bls	0.006	40/60	7/17/01	sts	8	JY95
MW02-3	717617.221	447690.932	584.17	581	5.1	2	6	2.5	2.6	bls	0.006	40/60	7/18/02	sts	5	JY96
. MW02-3i	717616.31	447691.478	583.93	580.9	10	2	6	2.5	7.5	bls	0.006	40/60	7/18/02	sts	5	PK20
MW02-3d	717616.037	447623.296	584.22	580.9	18.8	2	6	2.5	16.3	bls	0.006	40/60	7/18/02	sts	5	PK20
MW02-4	717705.952	447656.741	583.51	580.3	2.5	2	6	2.5	5	bls	0.006	40/60	7/22/02	sts	5	PK19
MW02-4i	717706.074	447655.187	583.36	580.5	10	2	6	2.5	7.5	bls	0.006	40/60	7/22/02	sts	5	PK19
MW02-4d	717705.588	447653.815	583.33	580.3	20	2	6	2.5	17.5	bls	0.006	40/60	7/22/02	sts	5	PK 19
MW02-4dr	717705.588	447653.815	582.94	580.3	20	2	6	2.5	17.5	bls	0.006	40/60	10/3/02	sts	5	JY88
MW02-5	717739.063	447664.262	583.35	580.1	5	2	6	2.5	2.5	bls .	0.006	40/60	7/19/02	sts	5	PK20
MW02-5i	717739.427	447663.164	583.29	580.2	10	2	6	2.5	7.5	bls	0.006	40/60	7/19/02	sts	5	PK20
MW02-6	717731.917	447611.525	583.29	580.2	5	2	6	2.5	2.5	bls	0.006	40/60	7/22/02	sts	5	JP20
MW02-6i	717730.94	447611.009	583.39	580.3	10	2	6	2.5	7.5	bls	0.006	40/60	7/22/02	sts	5	PK20
MW02-7	717810.765	447696.833	583.31	580.3	5	[*] 2	6	2.5	2.5	bls	0.006	40/60	7/23/02	sts	6	PK20
MW02-7i	717811.373	447695.983	583.37	580.5	10	2	6	2.5	7.5	bls	0.006	40/60	7/23/02	sts	6	PK20
MW02-7d	717812.016	447697.045	583.23	580.5	20	2	6	2.5	17.5	bls	0.006	40/60	7/23/02	sts	6	PK20
MW02-8	717556.214	447623.296	582.89	581.1	5	2	6	2.5	2.5	bls	0.006	40/60	12/16/02	sts	8	PK26
MW02-8i	717557.114	447622.796	583.04	581	10	2	6	2.5	7.5	bls	0.006	40/60	12/16/02	sts	8	PK26
MW04-9	2616566	243896	583.55	581.4	7	2	6	2	5	bls	0.006	40/60	4/15/04	sts	>7	PA 26
MW04-10	2616469	243994	585.17	583.1	7	2	6	2	5	bls	0.006	40/60	4/15/04	sts	>7	PA-26
MW04-11	2616336	244020	583.86	581.9	7	2	6	2	5	bls	0.006	40/60	4/15/04	sts	>7	PA 26
MW04-12	2617550	243858	581.07	579.4	7	2	6	2	5	bls	0.006	40/60	4/15/04	sts	1	PA 26
MW04-13	2617652	243985	581.32	579		2	6	2	5	bls	0.006	40/60	4/15/04	sts	1	PA 26
MW11-1	2616484	243999	586.34	583.8	7.2	2.03	8.3	2.7	4.5	bls	0.01	Sidly OH #5	10/18/11	TRC		PA 26
MW11-1i	2616486	243998	586.24	583.7	12.5	2.03	8.3	2.5	10	bls	0.01	Sidly OH #5	10/18/11	TRC		PA 26
MW11-2	2616517	244039	583.01	583	7.2	2.03	8.3	2.7	4.5	bls	0.01	Sidly OH #5	10/18/11	TRC	-	PA 26
MW11-3	2616556	244001	582.18	582.2	7.2	2.03	8.3	2.7	4.5	bls	0.01	Sidly OH #5	10/18/11	TRC		PA 26
MW11-3i	2616557	243999	584.8	582.3	12.5	2.03	8.3	2.5	10	bls	0.01	Sidly OH #5	10/18/11	TRC		PA 27

MONITOR WELL CONSTRUCTION INFORMATION **KEWAUNEE MARSH ARSENIC SPILL**

na: not applicable; wells were pushed into sediment

---: no data available

Notes:

No well construction information is available for gw, MW, and sts-mp wells.

* TOC elevations reported are from March 1996. Elevations were resurveyed between March 1996 and Jan 1997 and were observed to have changed.

** TOC Elevation uncertain

TOC and land surface elevations for wells MW04-9 - MW04-13 were obtained from STS Consultants, Ltd. "Supplemental Environmental Monitoring' Rcvd. 10/4/06

TOC and land surface elevations for wells MW11-1 - MW11-3i were obtained from STS Consultants, Ltd. "Arsenic Source Area in-Situ Remediation Documentation Report and Baseline Performance Monitoring" March 2012.

on #		
	Other	
94		
95	Source: STS Consultants, Ltd "Site Assessment	
96	and Remedial Action Alternatives Report"	
58	3/17/04. Wells constructed of Schedule 40 PVS	
59	with a manufactured pre-packed 2.5 ft screen.	
50	Wells completed with above grade steel	
01	protective casings.	
02	MW02-40 ABANDONED 10/3/02	
91		
92		
93		
38		
03	Source: STS Consultants, Ltd "Site Assessment	
04	and Remedial Action Alternatives Report"	
)5	3/17/04. Wells constructed of Schedule 40 PVS	
06	Wells completed with above grade steel	
07	protective casings.	
08	MW02-4d ABANDONED 10/3/02	
09		
62		
63		
61		
62	Source: STS Consultants, Ltd. "Supplemental	527
C2	Environmental Monitoring' Rcvd. 10/4/06. Well	
63	Screen: pre-packed 2.5 It screen. Borenoie seal:	
64	provided Abandoned 10/5/11	
65		
66	Source: TPC "Arconic Source Area in Situ	
67	Demodiation Decumentation Depart	
68	Remeulation Documentation Report and	
69		
70	2012.	