Amadi, Eric A - DNR

From: Amadi, Eric A - DNR
Sent: Monday, October 01, 2018 4:53 PM
To: James L. Hutchens (jlhutchens@ramboll.com)
Subject: Closure Review - GIS Registry Packet - Multi-Family Residential/Emerald Row; Area E South. Drexel Town Square; BRRTS #: 02-41-580014
Attachments: Clsr_Scan_Area E South_01Oct2018.pdf

Hi Jim:

We have reviewed your updated GIS registry packet dated September 27, 2018. There are minor oversights. We suggest the following revisions (the revisions are highlighted):

1. Attachment A.1: revise the headings of all pages of the Groundwater Analytical Tables as shown;
2. Figure B.2.a: revise as shown (i.e. the BRRTS number);
3. "Waiver of Right to Comment" page: please place the page as suggested (at the end of Attach. G).

When you have made the revisions, please send a sample hard copy for our input. We would let you know when to submit the electronic version. Thanks.

Eric

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

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Table A.1 Groundwater Analytical Tables
BRRTS No. ~~02-41-580014~~ 02-41-559008
Drexel Town Square FMR Delphi Facility

Parameters	NR 140 Standards ES	NR 140 Standards PAL	MW2 5/5/2011	TW1 5/4/2011	TW3 5/4/2011	TW4 5/5/2011	TW6 5/5/2011	TW13 5/5/2011
Metals (ug/L)								
Arsenic	**10**	*1*	*4.2 J*	<1.3	*2.8 J*	*6.7 J*	*3.4 J*	*2.8 J*
Antimony	**6**	*1.2*	NA	NA	NA	NA	NA	NA
Barium	**2000**	*400*	184	19.9	52.7	69.6	34.0	149
Cadmium	**5**	*0.5*	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Chromium	**100**	*10*	0.51 J	0.92 J	0.63 J	<0.50	0.52 J	<0.50
Lead	**15**	*1.5*	<1.7	<1.7	<1.7	*1.8 J*	<1.7	<1.7
Selenium	**50**	*10*	<2.0	<2.0	<2.0	<2.0	<2.0	3.1 J
Silver	**50**	*10*	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
Mercury	**2**	*0.2*	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VOCs (ug/L)								
Benzene	**5**	*0.5*	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Bromobenzene	--	--	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
Bromochloromethane	--	--	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Bromodichloromethane	**0.6**	*0.06*	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
Bromoform	**4.4**	*0.44*	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Bromomethane	**10**	*1*	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
sec-Butylbenzene	--	--	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
tert-Butylbenzene	--	--	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
n-Butylbenzene	--	--	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Carbon Disulfide	**1000**	*200*	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	**5**	*0.5*	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Chloroform	**6**	*0.6*	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Chlorobenzene	--	--	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Chlorodibromomethane	--	--	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
Chloroethane	**400**	*80*	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Chloromethane	**3**	*0.3*	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
2-Chlorotoluene	--	--	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
4-Chlorotoluene	--	--	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
1,2-Dibromo-3-chloropropane	**0.2**	*0.02*	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
1,2-Dibromoethane	**0.05**	*0.005*	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
Dibromomethane	--	--	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
1,3-Dichlorobenzene	**600**	*120*	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
1,4-Dichlorobenzene	**75**	*15*	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95
1,2-Dichloroethane	**5**	*0.5*	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	**600**	*60*	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
1,1-Dichloroethene	**7**	*0.7*	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
cis-1,2-Dichloroethene	**70**	*7*	1.9	<0.83	<0.83	<0.83	<0.83	<0.83
Dichlorodifluoromethane	**1000**	*200*	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
trans-1,2-Dichloroethene	**100**	*20*	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
1,2-Dichloropropane	**5**	*0.5*	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,1-Dichloroethane	**850**	*85*	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
1,3-Dichloropropane	--	--	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61
2,2-Dichloropropane	--	--	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
1,1-Dichloropropene	--	--	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Diisopropyl ether	--	--	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Ethylbenzene	**700**	*140*	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
Fluorotrichloromethane	**3490**	*698*	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Hexachlorobutadiene	--	--	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Isopropylbenzene	--	--	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59
p-Isopropyltoluene	--	--	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Methylene chloride	**5**	*0.5*	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Methyl-tert-butyl-ether	**60**	*12*	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61
Naphthalene	**100**	*10*	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
n-Propylbenzene	--	--	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
Styrene	**100**	*10*	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
1,1,2,2-Tetrachloroethane	**0.2**	*0.02*	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	**70**	*7*	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Tetrachloroethene	**5**	*0.5*	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Toluene	**800**	*160*	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1,2-trichlorotrifluoroethane	--	--	<1.3	<1.3	<1.3	<1.3	**297**	<1.3
1,2,3-Trichlorobenzene	--	--	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
1,2,4-Trichlorobenzene	**70**	*14*	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
1,1,1-Trichloroethane	**200**	*40*	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
1,1,2-Trichloroethane	**5**	*0.5*	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
1,2,4-Trimethylbenzene[1]	**480**	*96*	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Trichloroethene	**5**	*0.5*	**29.4**	<0.48	<0.48	<0.48	<0.48	<0.48
1,2,3-Trichloropropane	**60**	*12*	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
1,3,5-Trimethylbenzene[1]	**480**	*96*	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
Vinyl chloride	**0.2**	*0.02*	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18

Note:
-- = No Standard Established
NA = Not Analyzed
ND = Not Detected
[1] Standard for 1,2,4- and 1,3,5 Trimethylbenzene are combined

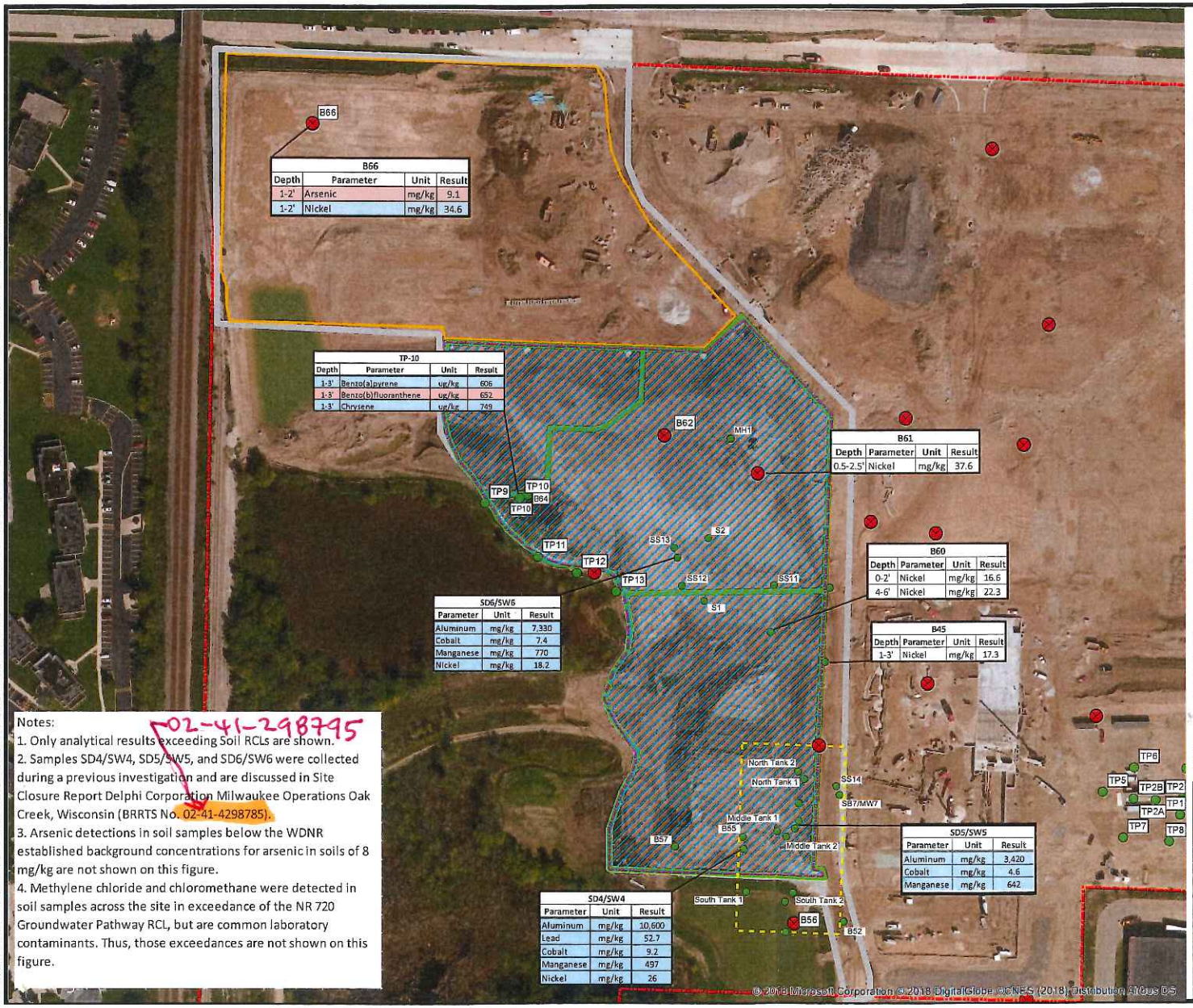

Table 1. Sub-Area E RECs

REC 32	Former AST farm: No soil or groundwater concentrations above comparision criteria - Excavated to -9.5', soils aerated on site

Parameters	Soil RCLs			
	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Pathway	Surficial BTV
PAHs (µg/kg)				
Benzo(a)anthracene	1,140	20,800	--	--
Benzo(a)pyrene	115	2110	470	--
Benzo(b)fluoranthene	1150	21,100	478.1	--
Chrysene	115,000	2,110,000	144.2	--
Indeno(1,2,3-cd)pyrene	1,150	21,100	--	--
Metals (mg/kg)				
Aluminum	77,500	100000	600	28,721
Cobalt	23.4	304	3.61	22
Lead	400	800	27	51.6
Manganese	1,830	22900	39.12	2,937
Nickel	1,550	19800	13.06	30.8

Legend

- Former Groundwater Sample Locations
- Soil Boring Locations
- Approximate Extent of Excavation
- Extent of Impacted Soils with PAHs and Metals Above RCLs
- Current Boundary: Commercial and Multi-Family Residential - Area E South [BRRTS No. 02-41-580014]
- Lot Boundaries
- Current Boundary: Health Center - Area E (Northern Portion) [BRRTS No. 02-41-561204]
- Previous Boundary: Multi-Family Residential - Area E
- Property Boundary

1 " = 209 ' 0 150 300
1:2,513 FEET

PROJECT: BRRTS NO. 02-41-580014

SHEET TITLE: SOIL CONTAMINATION (WITH LABELS)

DRAWN BY:	JCF	SCALE:	PROJ. NO. 21-31361B
CHECKED BY:		AS NOTED	FILE NO. 21-31361B
APPROVED BY:		DATE PRINTED:	FIGURE B.2.A
DATE:	August 2018	August 2018	

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M:\Client Project Files\21-31361B_DTS-Demo Oversight\Closure Documents\WDNR Forms\Area E 02-41-561204\Area E South_November 2017_rev 8-7-2018\B2a.mxd

Waiver of Right to Comment

I have been notified of the residual contamination and my responsibility for continuing obligations at my properties located at 7951, 7971 and 8001 South 6th Street in the City of Oak Creek, Milwaukee County, Wisconsin (refer to attached *Form 4400-286, Notification of Continuing Obligations and Residual Contamination*). I understand that, as an affected property owner, I have 30 days to comment on this notification pursuant to NR 725.07, Wisconsin Administrative Code. I am waiving my right to comment.

Joseph Aizen

Printed Name

8/11/17

Date

Signature

This page is placed at the end of Attachment G (after the figure referenced on p2 of p4 – Notif. CO & residual contamination)