TRI-PARTY AGREEMENT

Change Notice Number TPA-CN- 0877	TPA CHANGE NOTICE FORM	Date: November 14, 2019
Document Number, Title, and Revision: DOE/RL-2009-124, *200 West Pump and Treat Operations and Maintenance Plan*, Rev. 5		Date Document Last Issued: April 2016
Approved Change Notices Against this Document: TPA-CN-0725, TPA-CN-0759, TPA-CN-0771, TPA-CN-0776, TPA-CN-0795, TPA-CN-0832, TPA-CN-0844		
Originator Mark E. Byrnes		Phone: 509 373-3996

Description of Change:
DOE/RL-2009-124, Rev. 5, is amended to include new extraction and monitoring wells in Table B-1 "200 West Area Groundwater Wells," Table B-2 "200 West P&T Wells, "Figure B-1 "200 West Groundwater Well Locations," and Figure B-2 "200 West P&T Well Locations and Contaminant Plumes" is revised.

M.W. Cline (**DOE**) and E. Laija (**Lead Regulatory Agency**) agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records,* and not Chapter 12.0, *Changes to the Agreement.*

Revised figures and tables to include eleven new extraction wells (FY20/FY21) and four new monitoring wells (FY2020). Text is inserted text in Tables B-1 and B-2. Revised figures B-1 and B-2 to include new wells.

Additions are shown using double underline. Deletions are shown using ~~strikeout~~.

Note: Include affected page number(s): B-3, B-4, B-5, B-6, and B-7

Justification and Impacts of Change:

Eleven new extraction wells are needed to increase 200 West P&T extraction capacity in support of the 200-ZP-1 OU Optimization Study to be implemented beginning in FY2020. Well drilling is scheduled for FY2020 and FY2021. Information from the initial five new extraction wells to be drilled in FY2020 (YE-34/D0095/299-W11-103, YE-35/D0131/299-W12-5, YE-36/D0132/299-W11-104, YE-37/D0134/299-W14-27, and YE-38/D0137/299-W14-30) will be used to optimize positioning, sampling, and installation of the remaining six new extraction wells in FY2021. The Sampling and Analysis Plan, DOE/RL-2009-115, Rev. 3, Draft A Appendix G, will supercede this TPA-CN once the Rev. 3 Draft A is approved.

The four new monitoring wells are needed to support characterization of the Ringold Formation member of the Wooded Island – unit A (Rwia). Characterization activities are scheduled to begin in FY2020. The monitoring wells are MW-A/D0080/299-13-4, MW-B/D0081/299-W19-133, MW-C/D0082/699-46-70 and MW-D/D0083/699-45-67C. The 200-ZP-1 Operations and Maintenance Plan (DOE/RL-2009-124 Rev. 5) is currently undergoing revision and will include the 4 monitoring wells planned to be drilled in FY2021 and 4 in FY2022 and will supercede this TPA-CN once the Rev. 6 Draft A is approved.

Continued on Page 2

Approvals:

DOE Project Manager	12/4/2019 Date	[X] Approved [ ] Disapproved	Page 1 of 2
EPA Project Manager	12/9/2019 Date	[X] Approved [ ] Disapproved	
N/A Ecology Project Manager	Date	[ ] Approved [ ] Disapproved	

The following activities are expected to generate waste subject to the requirements of DOE/RL-2009-124, Appendix B, Waste Management Plan for the 200 West Pump and Treat:

- Construction, modification, and operations and maintenance (O&M) of the 200 West P&T
- Installation, development, testing, monitoring, sampling, and O&M of groundwater monitoring, extraction and injection wells
- Subsurface characterization activities , including water level and other in situ groundwater or vadose zone measurements
- Decontamination of equipment, tools, and material
- Process sampling and analysis of samples.

Table B-1. 200 West Area Groundwater Wells

299-W10-1	299-W15-33	299-W19-48	699-36-66B
299-W10-14	299-W15-37	299-W19-49	699-36-70A
299-W10-27	299-W15-42	299-W19-6	699-36-70B
299-W10-30	299-W15-46	299-W21-2	699-37-66
299-W10-31	299-W15-49	299-W22-47	699-38-61
299-W10-33	299-W15-50	299-W22-72	699-38-65
299-W11-13	299-W15-7	299-W22-86	699-38-68A
299-W11-18	299-W15-763	299-W22-87	699-38-70B
299-W11-33Q	299-W15-765	299-W22-88	699-38-70C
299-W11-43	299-W15-83	299-W23-19	699-40-62
299-W11-45	299-W15-94	299-W23-4	699-40-65
299-W11-47	299-W18-1	299-W26-13	699-43-69
299-W11-48	299-W18-15	299-W27-2	699-44-64
299-W11-87	299-W18-16	299-W5-2	699-45-69A
299-W11-88	299-W18-21	299-W6-3	699-45-69C
299-W13-1	299-W18-22	299-W6-6	699-47-60
299-W13-2	299-W18-40	299-W7-3	699-48-71
299-W14-11	299-W19-105	299-W9-2	699-50-74
299-W14-13	299-W19-107	699-30-66	699-51-63
299-W14-14	299-W19-34A	699-32-62	299-W10-40
299-W14-71	299-W19-34B	699-32-72A	299-W10-41
299-W14-72	299-W19-36	699-33-75	299-W10-42
299-W15-11	299-W19-4	699-34-61	299-W6-17
299-W15-152	299-W19-41	699-35-66A	299-W11-98
299-W15-17	299-W19-47	699-35-78A	299-44-70B
299-W13-4	299-W19-133	699-36-61A	
699-46-70	699-45-67C		

Table B-2. 200 West P&T Wells

Well Code	Well Identification	Well Number
Extraction Wells		
YE-1	C7017	299-W15-225
YE-2	C7018	299-W14-20
YE-3	C7021	299-W14-73
YE-4	C7024	299-W14-74
YE-5	C7027	299-W12-2
YE-6	C7020	299-W11-50
YE-7	C7022	299-W11-90
YE-8	C7754	299-W11-96
YE-9	C7577	299-W17-3
YE-10	C7576	299-W17-2
YE-11	C8718	299-W19-111
YE-12	C7019	299-W11-49
YE-13	C8719	299-W11-97
YE-14	C8720	299-W6-15
YE-15	C7494	299-W14-21
YE-16	C7025	299-W11-92
YE-17	C8721	299-W5-1
YE-18	C7028	299-W12-3
YE-19	C7029	299-W12-4
YE-20	C7030	299-W14-22
YE-21	C8095	299-W22-90
YE-22	C8096	299-W22-91
YE-23	C8097	299-W22-92
YE-24	C9594	299-W19-125
YE-25	C8927	299-W19-113
YE-26	C8928	299-W19-114
YE-27	C8243	299-E33-268
YE-28	C5859	299-E33-344
YE-29	C8914	299-E33-350
YE-30	C8915	299-E33-351
YE-31	C8923	299-E33-360
YE-32	C8924	299-E33-361
YE-33	C9988	699-48-70
YE-34	D0095	299-W11-103
YE-35	D0131	299-W12-5

Table B-2. 200 West P&T Wells

Well Code	Well Identification	Well Number
YE-36	D0132	299-W11-104
YE-37	D0140	299-W14-33
YE-38	D0134	299-W14-27
YE-39	D0138	299-W14-31
YE-40	D0139	299-W14-32
YE-41	D0141	699-40-7A
YE-42	D0137	299-W14-30
YE-43	D0135	299-W14-28
YE-44	D0136	299-W14-29
Injection Wells		
YJ-1	C8064	299-W6-13
YJ-2	C8065	299-W6-14
YJ-3	C8066	299-W10-36
YJ-4	C7573	299-W10-35
YJ-5	C7574	299-W15-226
YJ-6	C7575	299-W15-227
YJ-7	C8716	299-W15-228
YJ-8	C8920	299-W18-41
YJ-9	C8786	699-49-69
YJ-10	C8717	699-45-67B
YJ-11	C7578	699-45-67
YJ-12	C8068	699-44-67
YJ-13	C7579	699-43-67
YJ-14	C8069	699-42-67
YJ-15	C8070	699-40-67
YJ-16	C8921	699-38-64
YJ-17	C8386	699-43-67B
YJ-18	B2409	299-W15-29
YJ-19	B2747	299-W18-36
YJ-21	B2757	299-W18-38
YJ-22	B2758	299-W18-39
YJ-23	C8067	699-46-68
YJ-24	C8944	299-W15-229
YJ-25	C9521	299-W7-14
YJ-26	C9482	299-E20-1
YJ-27	C9483	299-E20-2

Table B-2. 200 West P&T Wells

Well Code	Well Code	Well Code
Injection Wells		
YJ-28	C9484	299-E11-1
YJ-29	C9561	299-W6-16
YJ-30	C9565	299-W18-44
YJ-31	C9564	299-W18-43
YJ-32	C9563	299-W18-42
YJ-33	C9878	699-47-78
YJ-34	C9880	699-47-78C
YJ-35	C9879	699-47-78B

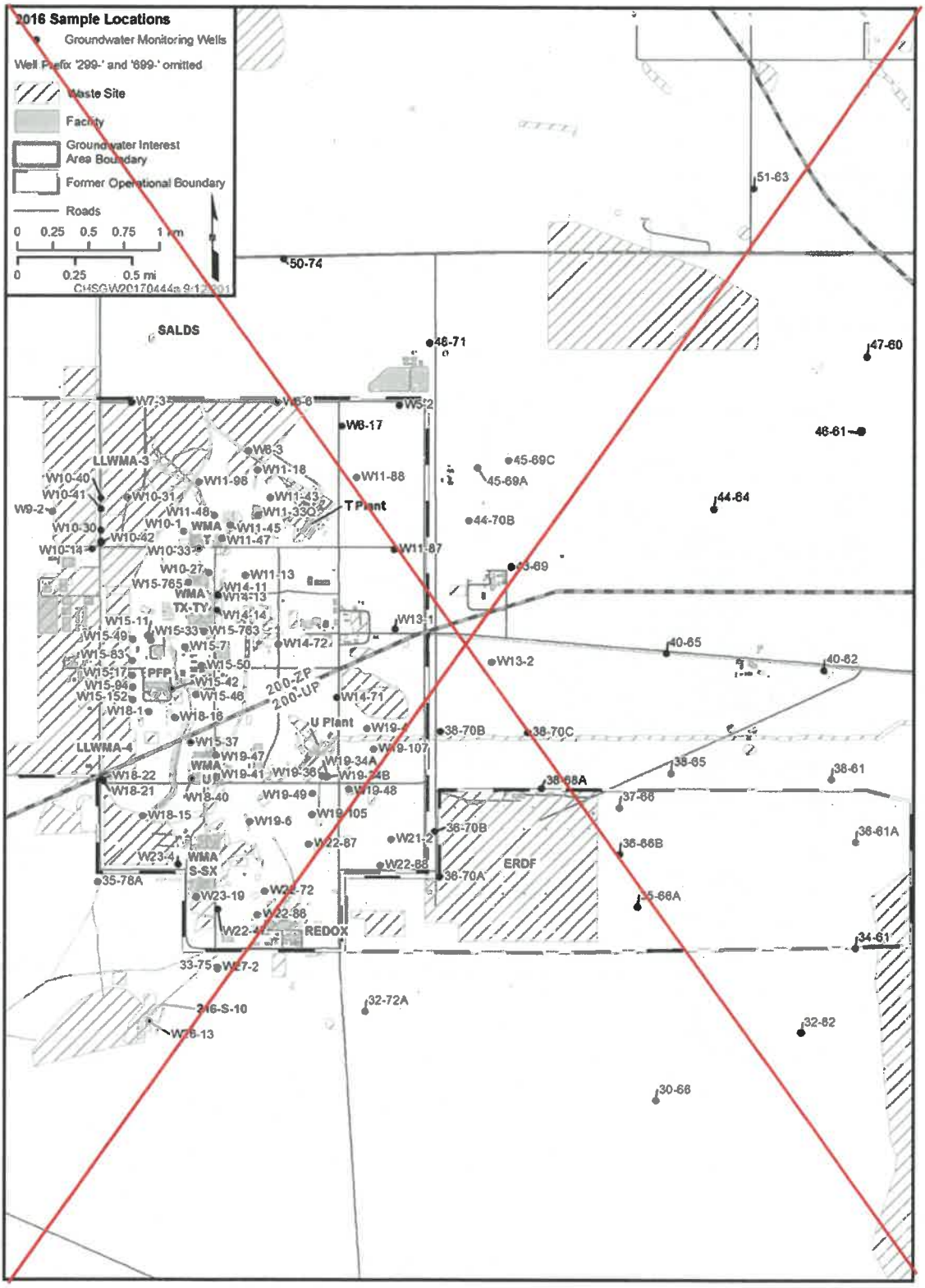

Figure B-1. 200 West Groundwater Well Locations

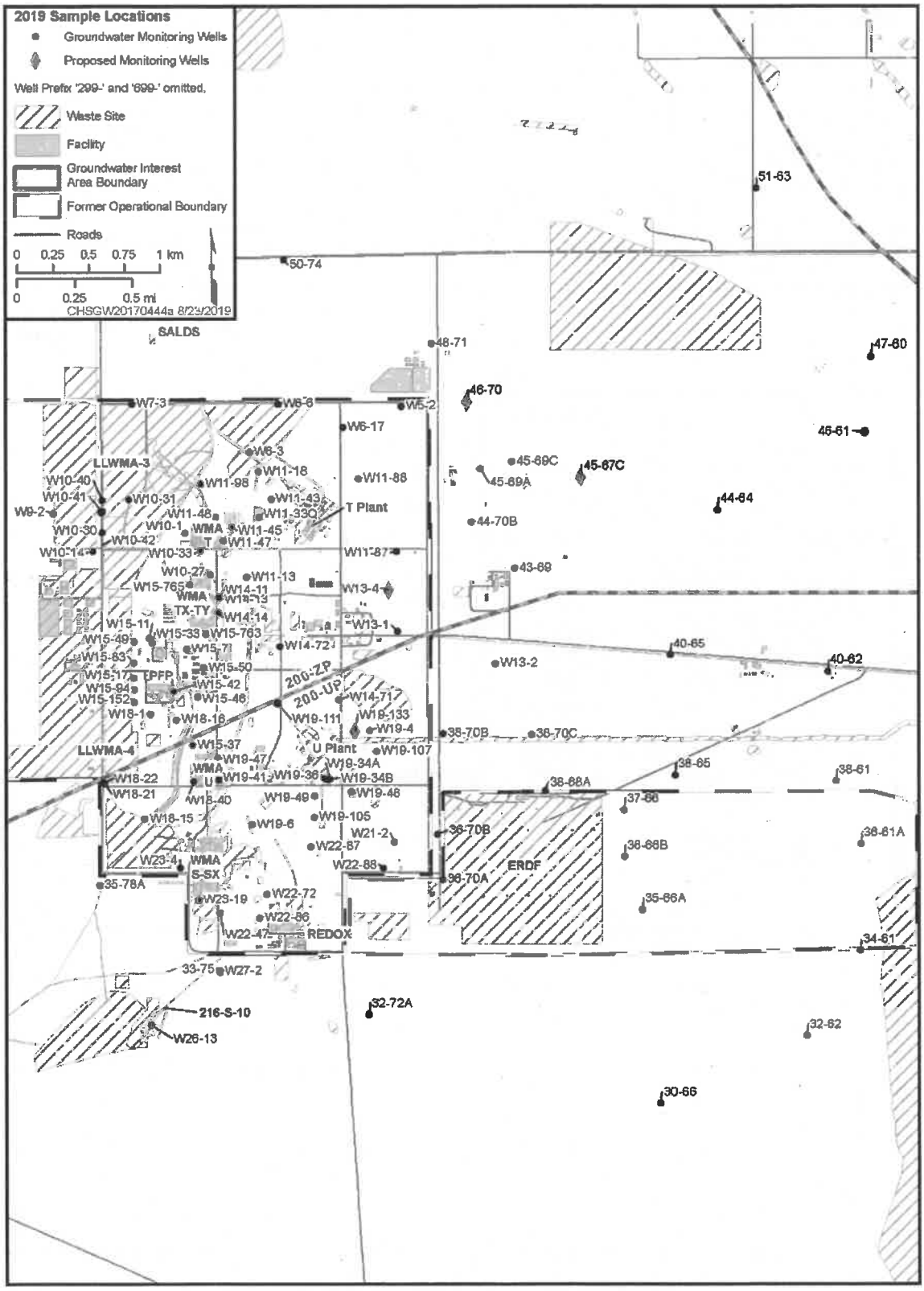

Figure B-1. 200 West Groundwater Well Locations

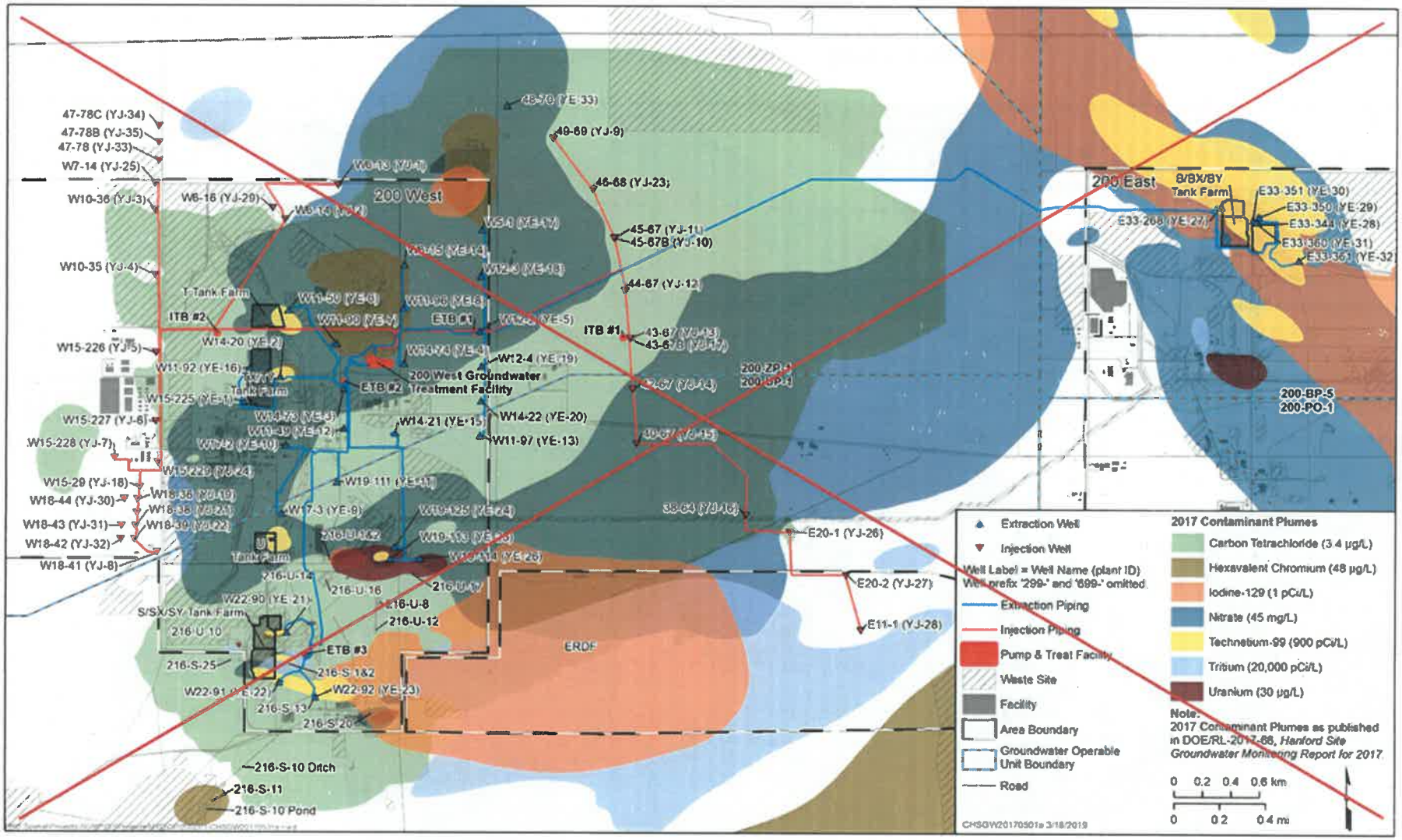

Figure B-2. 200 West P&T Well Locations and Contaminant Plumes

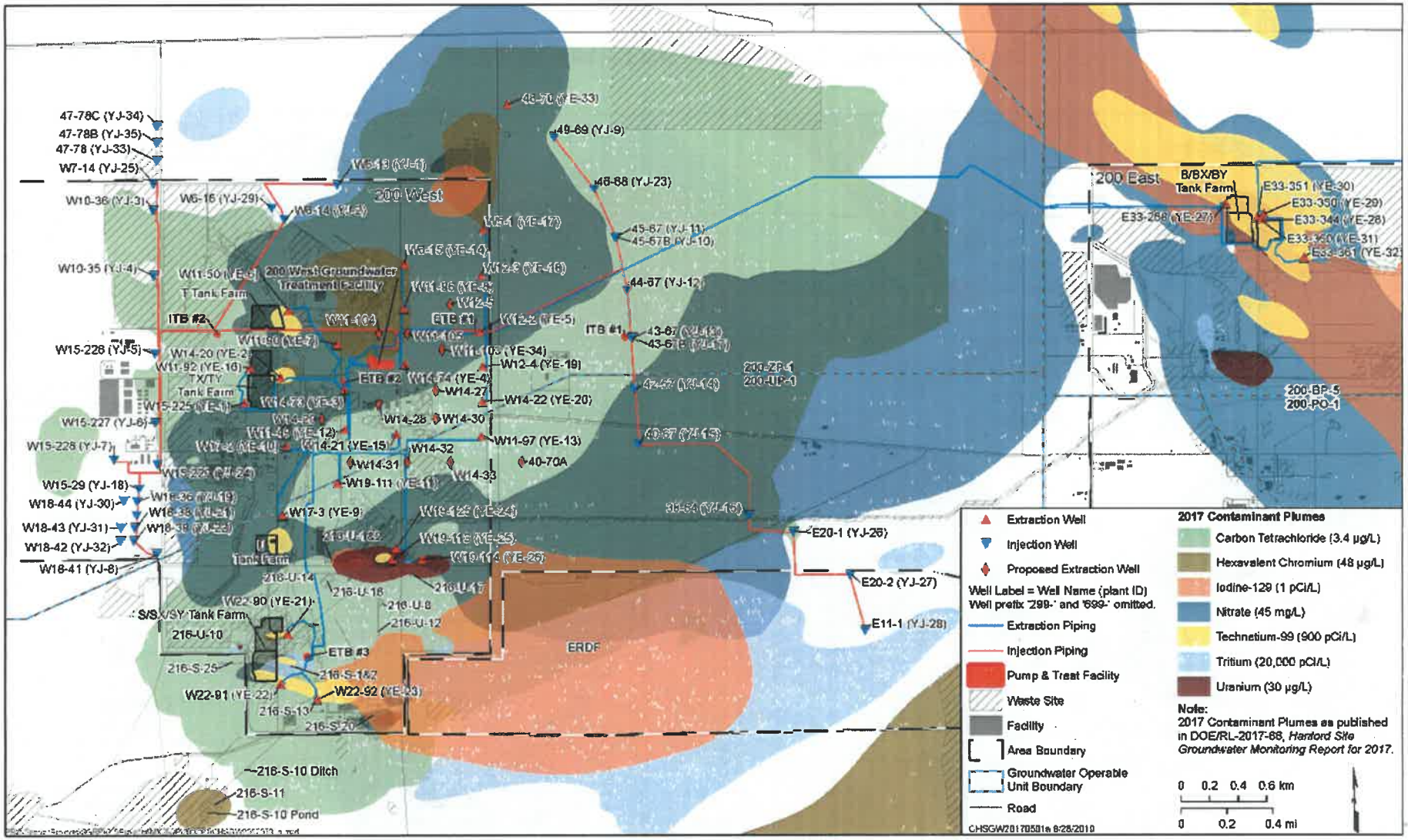

Figure B-2. 200 West P&T Well Locations and Contaminant Plumes