



2021 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT FOR EAST ASH POND

CTI DEVELOPMENT LLC
WOOD RIVER SITE/ FORMER WOOD RIVER POWER PLANT
1 CHESSEN LANE
ALTON, ILLINOIS 62202

Prepared For:

Mr. Charles Klumb
Project Manager
CTI Development, LLC
2275 Cassens Drive, Suite 118
Fenton, MO 63026



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1.0 INTRODUCTION

In accordance with Illinois JCAR Administrative Code requirements under Illinois Title 35, Subtitle G, Chapter I, Subchapter J - Part 845.610(e), Gemini Engineering LLC (Gemini) has prepared this report on behalf of CTI Development LLC (CTI) for the 2021 Wood River East Ash Pond in Alton, Illinois. CTI took possession of the power station property on August 30, 2019 from Luminant/Dynegy Midwest Generation, LLC (DMG).

The owner or operator of an existing Coal Combustion Residuals (CCR) unit shall prepare an annual groundwater monitoring and corrective action report, for the preceding calendar year, that documents the status of the groundwater monitoring and corrective action program for the CCR unit. The report should summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and key activities for the upcoming year per Part 845.610(e). The annual report will minimally cover the following site-specific information:

1. A drawing or diagram showing the CCR unit, the designated background (or upgradient) monitoring wells, and the designated downgradient monitoring wells.
2. Identification and discussion of any monitoring wells that were installed or decommissioned during the preceding year.
3. A Potentiometric surface map for groundwater elevations at the time of each sampling event.
4. Provide a summary of groundwater samples taken for the West Ash Pond Complex, including the number of groundwater samples collected for analysis at each of the designated background and downgradient wells, the dates collected, whether the sample was required by the detection monitoring or assessment monitoring programs, and the groundwater monitoring data.
5. A discussion of the groundwater monitoring program including:
 - a. Statistical analysis of groundwater data to identify constituents detected at a statistically significant increase over background levels.
 - b. The transition from detection groundwater monitoring to assessment monitoring of constituents identified in the statistical assessment.
6. Other information required to be included in the annual report as specified in Part 845.610(e).



2.0 MONITORING & CORRECTIVE ACTION PROGRAM STATUS

As referenced in the 2018 Annual Groundwater Monitoring and Corrective Action Report (NRT/OGB 2019), the Primary East Ash Pond has been in an Assessment Monitoring Program in accordance with 40 CFR 257.94(e)(2). DMG placed the required notification on April 9, 2019.

Assessment monitoring sampling was continued in 2021 during the semi-annual sampling events under the direction of CTI and Gemini. Samples were collected from each of the West Ash Pond Complex designated upgradient and downgradient wells and analyzed for the Appendix III and Appendix IV parameters. The analytical data was evaluated in accordance with the Statistical Analysis Plan (NRT/OBG 2017) provisions to determine if any statistically significant increases (SSIs) of the Appendix III parameters were above the background concentrations and if statistically significant levels (SSLs) of Appendix IV parameters were above the Groundwater Protections Standards (GWPSs).

The East Ash Pond was continued to be sampled on a semi-annual schedule as outlined with the Groundwater Monitoring Plan (NRT/OBG Oct. 2016). Semi-annual sampling events were completed by Teklab Inc. on the following dates during 2021:

Q1-Q2 Sample Date	Q3-Q4 Sample Date
2/22/2021	8/26/2021

Assessment Monitoring Program Summary November 2017 – August 2021

Well ID	Appendix III - SSIs		Appendix IV – SSLs	
	Trend	UCL Value	Trend	UCL Value
38	Only Boron with an Increasing Trend; All Other Trend are Statistically Insignificant	Only Boron Above Background	Decreasing Trend for Molybdenum; All Other Trend are Statistically Insignificant	Molybdenum UCL Above GWPS



39S	Boron, Calcium, Sulfate, & TDS with a Decreasing Trend; All Others are No Trend or Statistically Insignificant	Boron, Calcium, Sulfate, & TDS Above Background	None	Molybdenum UCL Above GWPS
40S	All Constituents are No Trend or Statistically Insignificant	Boron, Calcium, Sulfate, & TDS Above Background	None	Lithium UCL Below & Molybdenum UCL Above GWPS
41	Boron & Calcium with an Increasing Trend; All Other Trends are Statistically Insignificant	Boron, Calcium, Sulfate, & TDS Above Background	None	Lithium UCL Above GWPS

The Statistical Background Values for the SSLs evaluation from Appendix III are summarized in Table A. The GWPSs for the SSLs evaluation from Appendix IV are summarized in Table B.

Table A - Statistical Background Values

Parameter	Statistical Background Value
Appendix III	
Boron (mg/L)	1.22
Calcium (mg/L)	180.516
Chloride (mg/L)	88
Fluoride (mg/L)	0.76
pH (S.U.)	6.61 / 7.23
Sulfate (mg/L)	203
TDS (mg/L)	863

Notes:
 mg/L = milligrams per liter
 S.U. = Standard Units
 TDS = Total Dissolved Solids



Table B - Groundwater Protection Standards

Parameter	Groundwater Protection Standard
Appendix IV	
Antimony (mg/L)	0.006
Arsenic (mg/L)	0.010
Barium (mg/L)	2
Beryllium (mg/L)	0.004
Cadmium (mg/L)	0.005
Chromium (mg/L)	0.10
Cobalt (mg/L)	0.006
Fluoride (mg/L)	4
Lead (mg/L)	0.015
Lithium (mg/L)	0.171
Mercury (mg/L)	0.002
Molybdenum (mg/L)	0.10
Selenium (mg/L)	0.05
Thallium (mg/L)	0.002
Radium 226+228 (pCi/L)	5

Notes:

mg/L = milligrams per liter

pCi/L = picoCuries per liter

3.0 ACTIONS COMPLETED IN 2021

As previously noted, a quarterly groundwater sampling event was completed for the West Ash Pond Complex in 2021 under the Assessment Monitoring Program. A summary of the analytical data and statistical analyses are found in Appendix B - Tables 1 and 2.

Appendix A - Figure 1 displays the designated groundwater well system for the West Ash Pond Complex.

4.0 PROBLEMS ENCOUNTERED & CORRECTIVE ACTIONS

Performance and assessment of the designated groundwater well system for the East Ash Pond encountered no issues during 2021. Guidelines in the Sampling and Analysis Plan (NRT/OGB, 2017) were followed during the collection and analysis of the representative samples.



5.0 2022 PLANNED ACTIONS

The following actions are planned for 2022:

- The continuation of Assessment Monitoring Program of the East Ash Pond with semi-annual sampling events.
- The continuation of statistical evaluation of the collected analytical data from the designated groundwater well system to determine if any SSLs for Appendix IV parameters has occurred.
- If an SSL has been identified, an assessment of “potential alternative sources” will be completed. A “potential alternative source” is one other than the referenced CCR unit that could have caused the SSL or the SSL resulted from an error in one of the following processes: sample collection, sample analysis, statistical evaluation, or a possible variation/change in the groundwater systems quality.
 - If an alternative source is causing the SSL, a documented demonstration will be completed within 90 days after the SSL discovery and included in the Groundwater Monitoring and Corrective Action report for that year.
 - If an alternative source is not the cause of the SSL, the procedure and requirements in 40 CFR 257.94 - 257.98 as applicable will be met. This also includes completion of the appropriate notifications required by 40 CFR 257.105 - 257.108.

6.0 REFERENCES

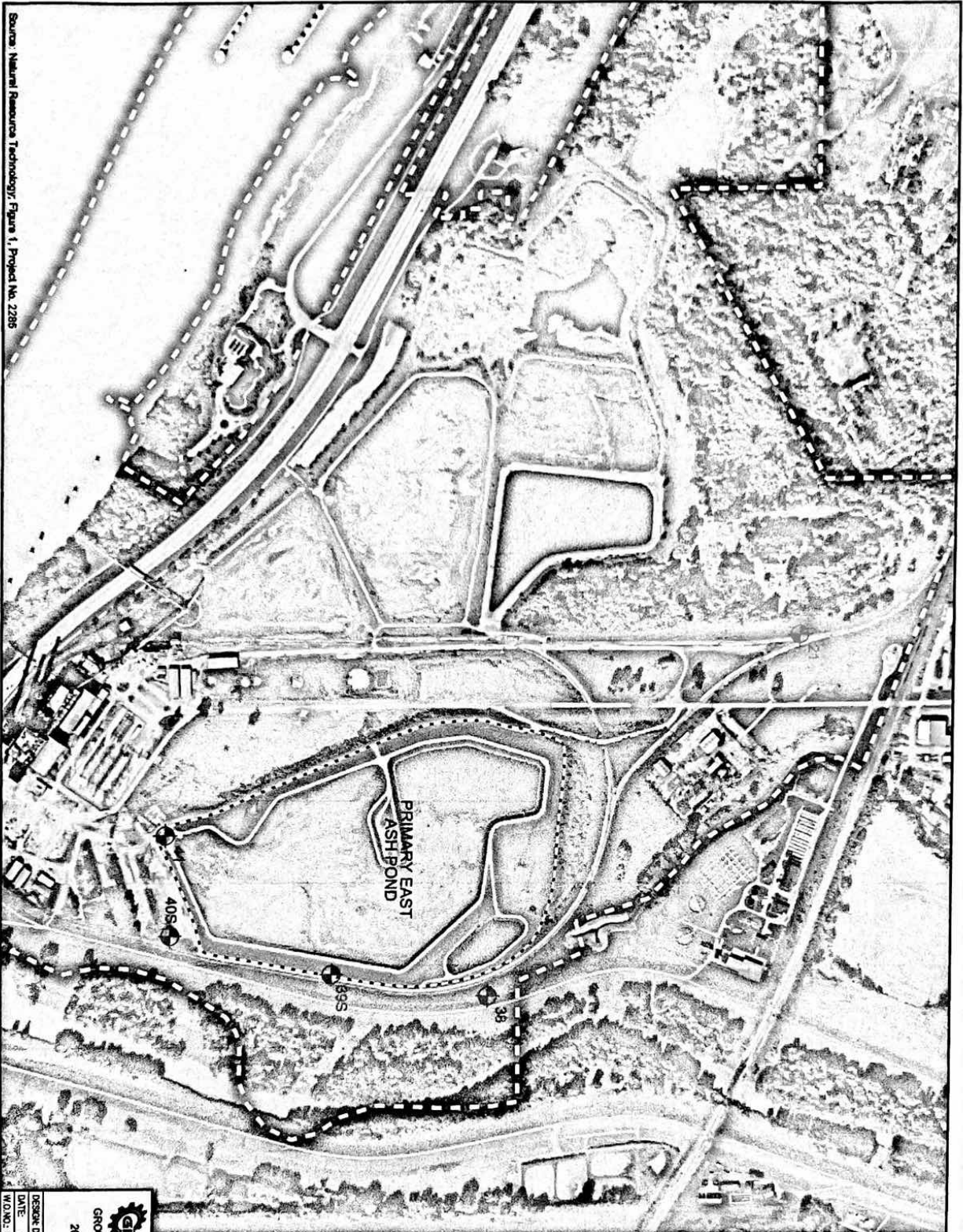
AECOM, November 28, 2016. Closure and Post-Closure Care Plan for the Wood River West Ash Complex at Dynegy Midwest Generation, LLC., Wood River Power Station.

Natural Resource Technology, Inc. (NRT), October 19, 2016. Groundwater Monitoring Plan, West Ash Pond Complex, Wood River Power Station, Alton, Illinois.

USEPA, April 17, 2015. 40 CFR Parts 257 and 261. Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule

APPENDIX A

FIGURES



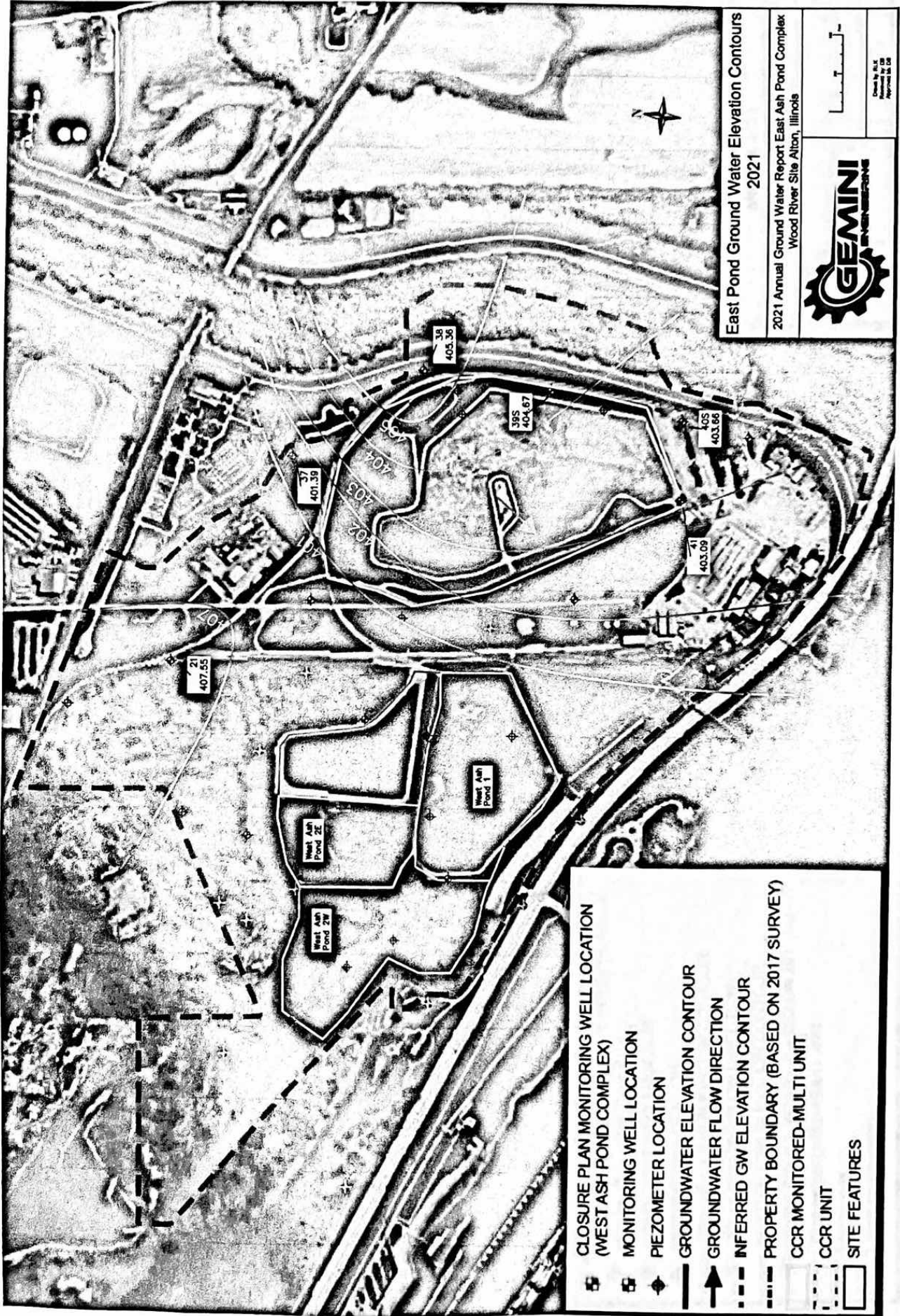
- LEGEND**
- 37 UPGRADIENT MONITORING MONITORING WELL LOCATION
 - 38 DOWNGRADIENT MONITORING WELL LOCATION
 - 40S DOWNGRADIENT MONITORING WELL LOCATION
 - - - EAST IMPOUNDMENT
 - - - PROPERTY BOUNDARY (BASED ON 1987 SURVEY DATA)

- Notes:**
1. Figure base map modified after Natural Resources Technology, 2017.
 2. Reference elevation data developed by others, 2016.
 3. Field and analytical data provided by Telsion, 2019.
 4. Soil boring/well installations provided by various contractors, 1984-2004.
 5. Well locations are approximate.



GEMINI	
FIGURE 1	
GROUNDWATER WELL SAMPLING LOCATION MAP Designed	
Wells for Primary East Ash Pond	
2020 Annual Groundwater Monitoring and Corrective Action	
Report CTI Development LLC	
Former Wood River Power Plant - Adams, IL	
DESIGN: DB	DRAWN: LMC
DATE: 05-25-22	SCALE: AS SHOWN
W.D.NO.: GEMINWOOD RIVER981 10W WELL SAMPL LOC MAP EAST POND	REV.: DB

Source: Natural Resources Technology, Figure 1, Project No. 2285













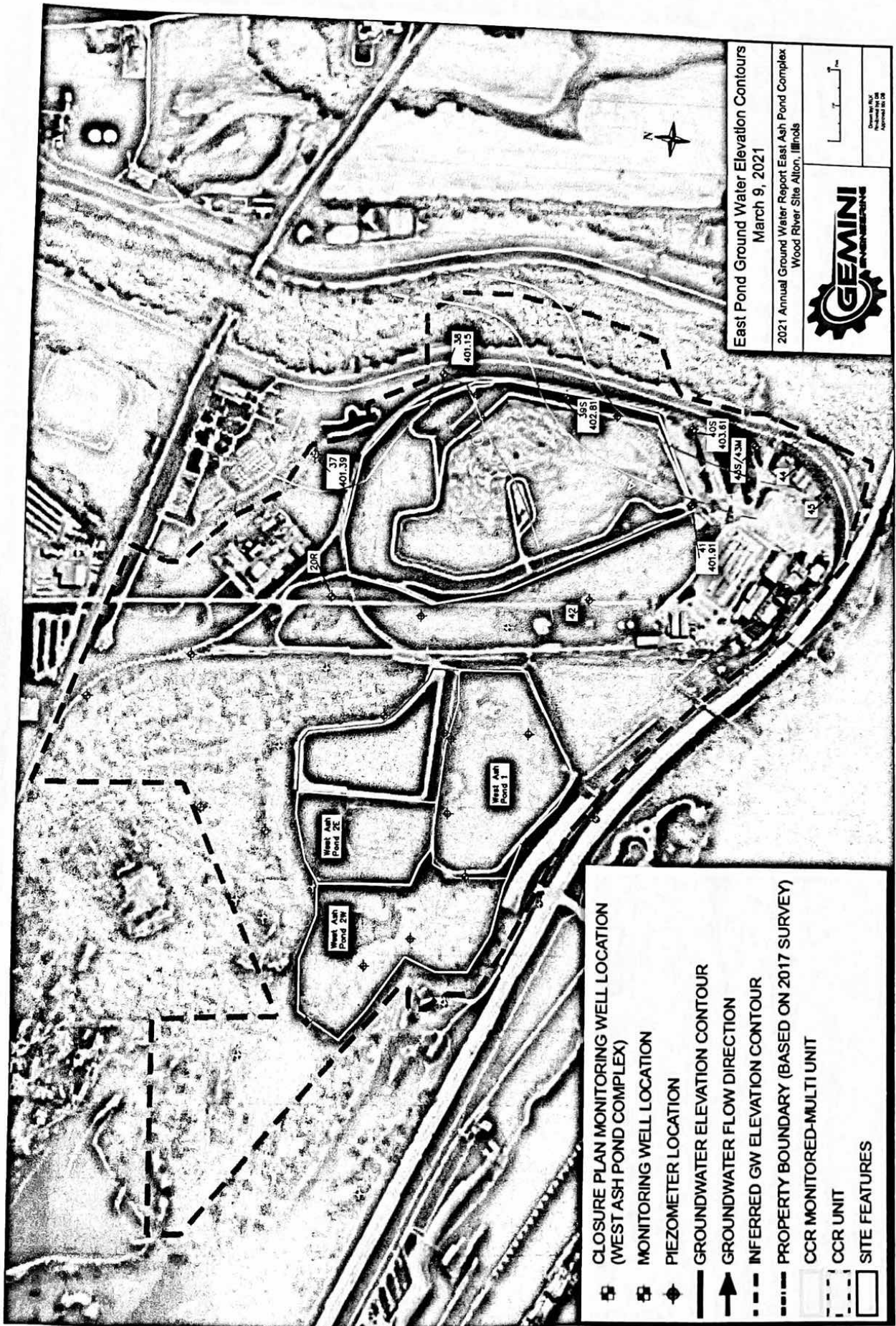
East Pond Ground Water Elevation Contours
2021

2021 Annual Ground Water Report East Ash Pond Complex
Wood River Site Alton, Illinois



Created by: J.L.K.
 Approved by: J.S.B.

-  CLOSURE PLAN MONITORING WELL LOCATION (WEST ASH POND COMPLEX)
-  MONITORING WELL LOCATION
-  PIEZOMETER LOCATION
-  GROUNDWATER ELEVATION CONTOUR
-  GROUNDWATER FLOW DIRECTION
-  INFERRED GW ELEVATION CONTOUR
-  PROPERTY BOUNDARY (BASED ON 2017 SURVEY)
-  CCR MONITORED-MULTI UNIT
-  CCR UNIT
-  SITE FEATURES



East Pond Ground Water Elevation Contours
 March 9, 2021
 2021 Annual Ground Water Report East Ash Pond Complex
 Wood River Site Alton, Illinois



Drawing No. 20
 Approved by 20

- CLOSURE PLAN MONITORING WELL LOCATION
 (WEST ASH POND COMPLEX)
- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- INFERRED GW ELEVATION CONTOUR
- PROPERTY BOUNDARY (BASED ON 2017 SURVEY)
- CCR MONITORED-MULTI UNIT
- CCR UNIT
- SITE FEATURES

TABLE 1
Summary of Analytical Analyses - Appendix III
East Ash Pond

Sample Location	Date Sampled	Boron (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	pH (S.U.)	Sulfate (mg/L)	TDS (mg/L)
Background values		1.22	180.516	88	0.76	6.61 / 7.23	203	863
Background / Upgradient Monitoring Wells								
21	5/2/2018	0.397	128	5	0.18	6.4	69	456
	7/31/2018	0.33	106	<5	0.18	6.90	57	448
	2/18/2019	0.42	117	4	0.19	6.95	63	470
	9/19/2019	0.17	95	2	0.20	6.79	40	394
	2/6/2020	0.31	117	4	0.18	7.02	63	474
	2/6/2020 (Dup)	0.31	117	4	0.17	7.02	63	452
	8/12/2020	0.21	105	1	0.18	6.92	42	382
	8/12/2020 (Dup)	0.264	105	1	0.19	6.92	43	380
	2/22/2021	0.342	120	2	0.2	7.05	68	466
	2/22/2021 (Dup)	0.4	116	2	0.2	7.05	70	452
	8/26/2021	0.245	103	2	0.19	7.74	47	418
8/26/21 Dup	0.256	107	9	0.18	7.74	53	440	
37	5/2/2018	0.618	134	45	0.54	6.5	99	644
	7/31/2018	0.48	163	11	0.50	6.70	69	528
	2/18/2019	0.44	129	6	0.44	6.17	50	524
	9/19/2019	0.41	136	6	0.39	6.56	56	548
	2/6/2020	0.45	156	10	0.34	6.86	90	588
	8/12/2020	0.43	154	4	0.35	6.94	66	514
	2/22/2021	0.55	180	40	0.36	6.89	108	674
	8/23/2021	0.679	160	59	0.35	6.7	94	638
Downgradient Monitoring Wells								
38	11/2/2017	1.18	69	44	<0.1	7.6	80	384
	5/2/2018	3.12	94	43	0.30	6.70	130	500
	7/31/2018	2.69	102	45	0.31	7.20	94	438
	2/18/2019	3.08	103	44	0.31	6.57	105	508
	9/19/2019	3.12	92	38	0.33	7.20	94	472
	2/6/2020	3.41	98	42	0.30	7.37	111	472
	8/12/2020	3.88	106	50	0.32	7.50	124	440
	2/22/2021	2.83	109	50	0.42	7.5	126	484
8/26/2021	3.07	112	50	0.44	7.17	145	530	
39S	11/2/2017	59.40	212	<5	0.48	7.5	481	1050
	5/2/2018	51.20	241	5	0.46	6.50	515	1080
	7/31/2018	61.10	344	<5	0.40	6.80	509.00	1150
	2/18/2019	61.00	222	2	0.41	6.45	434	1080
	9/19/2019	55.20	210	3	0.46	6.63	333	984
	2/6/2020	53.60	216	3	0.50	6.92	416.00	906
	8/12/2020	52.80	199	2	0.64	7.23	395	850
	2/22/2021	45.9	194	2	0.58	7.21	360	854
8/26/2021	48	179	2	0.51	6.81	366	830	
40S	11/3/2017	25.10	236	10	0.14	7.6	548	1,040
	5/2/2018	18.80	259	14	0.20	6.30	408	1,140
	7/31/2018	27.30	360	10	0.10	7.10	604	1,210
	2/18/2019	27.40	250	13	0.11	6.73	470	1,050
	9/19/2019	24.80	247.0	13	0.13	6.89	513	1,050
	2/6/2020	24.70	292	15	0.12	7.07	658	1,140
	8/12/2020	23.50	264	15	0.13	7.38	517	1,040
	2/22/2021	16.4	232	16	0.14	7.04	464	1040
8/26/2021	33	328	14	0.15	7.06	636	1210	
41	11/3/2017	8.07	293	18	0.15	7.5	642	1,340
	5/2/2018	10.40	324	12	0.14	6.30	940	1,620
	7/31/2018	10.10	441	22	0.14	7.00	1000.00	1,800
	2/18/2019	11.10	349	17	0.14	6.98	847.00	1,670
	9/19/2019	13.70	415	15	0.14	6.74	892	1,820
	2/6/2020	12.60	384	16	0.13	6.98	858.00	1,530
	8/12/2020	13.00	473	17	0.14	7.09	1130	1,830
	2/22/2021	8.52	377	19	0.14	7.92	987	1750
8/26/2021	12.6	467	19	0.13	6.71	1180	1920	

TABLE 2
Summary of Analytical Analyses - Appendix IV
East Ash Pond

Sample Location	Date Sampled	Background / Upgrade Monitoring Wells										Downgradient Monitoring Wells									
		Sp. total (mg/L)	As. total (mg/L)	Ba. total (mg/L)	Ba. total (mg/L)	Cd. total (mg/L)	Cr. total (mg/L)	Co. total (mg/L)	F. total (mg/L)	Pb. total (mg/L)	Li. total (mg/L)	Hg. total (mg/L)	Mn. total (mg/L)	Fe. total (mg/L)	Sa. total (mg/L)	Ti. total (mg/L)					
21	5/2/2018	<0.001	0.00	0.20	<0.001	0.0	<0.0015	0.00	0.18	<0.001	0.0117	<0.0002	0.0015	1.5	<0.0021	<0.002					
	7/31/2018	<0.001	0.00	0.18	NA	<0.001	NA	<0.001	0.18	0.0093	<0.0002	<0.0015	0.17	<0.001	NA						
	2/18/2019	0.00	0.00	0.16	<0.001	<0.001	0.00	0.00	0.19	0.0111	<0.0002	0.0007	0.39	0.0008	<0.002						
	9/19/2019	<0.001	0.00	0.20	<0.001	<0.001	0.00	0.00	0.2	0.0081	<0.0002	<0.0015	0.25	0.0021	<0.002						
	2/6/2020	<0.001	0.00	0.30	<0.001	0.00	<0.0015	0.00	0.18	0.0105	<0.0002	<0.0015	1.5	0.0012	2						
	2/6/2020 (Dup)	<0.001	0.00	0.30	<0.001	0.00	<0.0015	0.00	0.17	0.0101	<0.0002	0.6	NA	0.0009	<0.002						
	8/12/2020	<0.001	0.00	0.22	<0.001	0.00	0.00	0.18	0.0095	0.0096	<0.0002	<0.0015	1.5	NA	0.0018						
	8/12/2020 (Dup)	<0.001	0.0019	0.215	<0.001	<0.001	0.0013	0.19	<0.001	0.0089	<0.0002	<0.0017	<1.5	NA	0.0017						
	2/22/2021	0.0005	0.0019	0.207	<0.001	<0.001	<0.0015	0.2	<0.001	0.0093	<0.0002	0.0007	0.0007	NA	0.0043	<0.002					
	2/22/2021 (Dup)	0.0007	0.0021	0.231	<0.001	0.0004	<0.0015	0.0014	0.2	0.01	<0.0002	<0.0002	0.0006	NA	0.0049	<0.002					
37	8/26/2021	<0.001	0.0005	0.181	<0.001	0.0002	<0.0015	0.0002	0.18	0.0092	<0.0002	<1.5	NA	0.0038	<0.002						
	8/26/2021 (Dup)	<0.001	0.0021	0.189	<0.001	0.0004	<0.0015	0.0002	0.18	0.0092	<0.0002	<1.5	NA	0.0044	0.0013						
	8/26/2021 (Dup)	<0.001	0.00	0.11	<0.001	<0.001	<0.0015	0.00	0.54	0.0315	<0.0002	0.0034	1.59	<0.001	<0.002						
	7/31/2018	<0.001	<0.001	0.12	NA	<0.001	NA	<0.001	0.44	0.0251	<0.0002	0.0034	0.00	<0.001	NA						
	2/18/2019	<0.001	<0.001	0.09	<0.001	<0.001	<0.0015	0.00	0.44	0.0278	<0.0002	0.0025	0.42	<0.001	<0.002						
	8/19/2019	<0.001	<0.001	0.09	<0.001	0.00	<0.0015	0.00	0.39	0.0281	<0.0002	0.0023	0.14	<0.001	<0.002						
	2/6/2020	<0.001	<0.001	0.10	<0.001	<0.001	<0.0015	<0.001	0.34	0.0346	<0.0002	0.0017	<0.002	0.0008	<0.002						
	8/12/2020	<0.001	<0.001	0.10	<0.001	0.00	<0.0015	<0.001	0.35	0.0333	<0.0002	0.0025	0.0018	<0.001	<0.002						
	2/22/2021	<0.001	<0.001	0.10	<0.001	<0.001	<0.0015	<0.001	0.35	0.0316	<0.0002	0.0018	0.0018	<0.001	<0.002						
	8/23/2021	0.0009	<0.001	0.108	<0.001	<0.001	<0.0015	<0.001	0.35	0.0348	<0.0002	0.0013	NA	<0.001	<0.002						
38	5/2/2018	<0.001	<0.001	0.15	<0.001	<0.001	<0.0015	<0.001	0.30	0.0135	<0.0002	0.076	1.23	<0.001	<0.002						
	7/31/2018	<0.001	<0.001	0.17	NA	<0.001	NA	<0.001	0.31	0.0135	<0.0002	0.128	0.53	<0.001	NA						
	2/18/2019	<0.001	<0.001	0.17	<0.001	<0.001	<0.0015	<0.001	0.31	0.0181	<0.0002	0.105	0.5	<0.001	<0.002						
	8/19/2019	<0.001	<0.001	0.15	<0.001	<0.001	<0.0015	0.00	0.33	0.0148	<0.0002	0.116	0.7	<0.001	<0.002						
	2/6/2020	<0.001	<0.001	0.16	<0.001	<0.001	<0.0015	0.00	0.30	0.0153	<0.0002	0.112	<2	<0.001	<0.002						
	8/12/2020	<0.001	<0.001	0.15	<0.001	<0.001	<0.0015	<0.001	0.32	0.017	<0.0002	0.119	NA	<0.001	<0.002						
	2/22/2021	<0.001	<0.001	0.14	<0.001	<0.001	<0.0015	<0.001	0.42	0.0143	<0.0002	0.0628	NA	<0.001	<0.002						
	8/26/2021	<0.001	<0.001	0.157	<0.001	<0.001	<0.0015	<0.001	0.44	0.0141	<0.0002	0.0748	NA	<0.001	<0.002						
	5/2/2018	<0.001	0.00	0.03	<0.001	0.0	<0.0015	<0.001	0.48	0.0138	<0.0002	0.831	1.8	<0.001	<0.002						
	7/31/2018	<0.001	0.00	0.05	NA	<0.001	NA	0.001	0.4	0.0129	<0.0002	1.05	0.07	<0.001	NA						
39S	2/18/2019	0.00	0.00	0.03	<0.001	0.00	0.00	0.001	0.41	0.0135	<0.0002	0.732	0.39	<0.001	<0.002						
	8/19/2019	0.00	0.00	0.04	<0.001	0.00	<0.0015	0.002	0.45	0.0106	<0.0002	0.704	0.26	<0.001	<0.002						
	2/6/2020	<0.001	0.00	0.04	<0.001	0.00	<0.0015	0.001	0.5	0.012	<0.0002	1.11	<2	<0.001	<0.002						
	8/12/2020	<0.001	0.00	0.03	<0.001	0.00	<0.0015	0.001	0.54	0.0103	<0.0002	1.4	NA	<0.001	<0.002						
	2/22/2021	<0.001	0.00	0.03	<0.001	0.00	<0.0015	0.001	0.58	0.0091	<0.0002	0.966	NA	<0.001	<0.002						
	8/26/2021	<0.001	0.0014	0.0332	<0.001	0.0004	<0.0015	0.0011	0.51	0.008	<0.0002	1.02	NA	<0.001	<0.002						
	5/2/2018	0.00	0.001	0.104	<0.001	0.0	<0.0015	0.002	0.20	0.026	0.00025	0.0925	0.88	<0.002	<0.002						
	7/31/2018	0.00	0.001	0.113	NA	<0.001	NA	0.001	0.10	0.0599	<0.0002	0.195	0.58	0.0062	NA						
	2/18/2019	0.00	0.001	0.087	<0.001	0.00	0.00	0.001	0.11	0.0335	<0.0002	0.189	0.55	<0.001	<0.002						
	8/19/2019	0.00	0.002	0.061	<0.001	0.00	<0.0015	0.001	0.13	0.0272	<0.0002	0.182	0.52	<0.001	<0.002						
40S	2/6/2020	0.00	0.003	0.076	<0.001	0.00	<0.0015	0.001	0.12	0.0304	<0.0002	0.157	<2	<0.001	<0.002						
	8/12/2020	0.00	0.003	0.070	<0.001	0.00	<0.0015	0.001	0.13	0.0228	<0.0002	0.0785	NA	0.0008	<0.002						
	2/22/2021	0.00	0.008	0.068	<0.001	0.00	<0.0015	0.001	0.14	0.0159	<0.0002	0.135	NA	0.0125	<0.002						
	8/26/2021	0.0014	0.0023	0.073	<0.001	0.0003	<0.0015	0.001	0.15	0.0284	<0.0002	0.154	NA	0.0126	0.0031						
	5/2/2018	<0.001	<0.001	0.039	<0.001	0.00	<0.0015	0.001	0.14	0.0288	<0.0002	0.036	0.43	<0.001	<0.002						
	7/31/2018	<0.001	<0.001	0.033	NA	<0.001	NA	<0.001	0.14	0.0385	<0.0002	0.0368	0.00	0.002	NA						
	2/18/2019	<0.001	<0.001	0.028	<0.001	<0.001	0.00	0.00	0.14	0.0385	<0.0002	0.0361	0.00	0.0013	<0.002						
	8/19/2019	<0.001	<0.001	0.024	<0.001	<0.001	<0.0015	0.000	0.14	0.0441	<0.0002	0.0313	0.37	<0.001	<0.002						
	2/6/2020	<0.001	<0.001	0.022	<0.001	<0.001	<0.0015	0.000	0.13	0.0429	<0.0002	0.0353	<2	<0.001	<0.002						
	8/12/2020	<0.001	<0.001	0.023	<0.001	<0.001	<0.0015	<0.001	0.14	0.0503	<0.0002	0.0353	NA	<0.001	<0.002						
41	2/22/2021	<0.001	<0.001	0.030	<0.001	<0.001	<0.0015	<0.001	0.14	0.0377	<0.0002	0.0272	NA	<0.001	<0.002						
	8/26/2021	<0.001	0.0005	0.0251	<0.001	<0.001	<0.0015	<0.001	0.13	0.042	<0.0002	0.031	NA	<0.001	0.0011						