

Annual Groundwater Monitoring Report Air Preheater Pond (SWMU 021)

NRG Texas Power, LLC
W.A. Parish Electric Generating Station
Thompsons, Texas

January 30, 2018

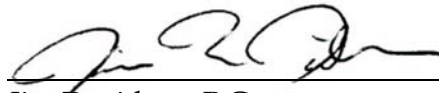
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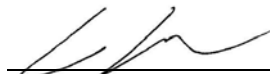
Annual Groundwater Monitoring Report Air Preheater Pond (SWMU 021)

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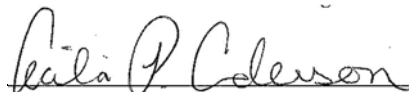
Project No. 0289614
W.A. Parish Electric Generating Station
Thompsons, Texas



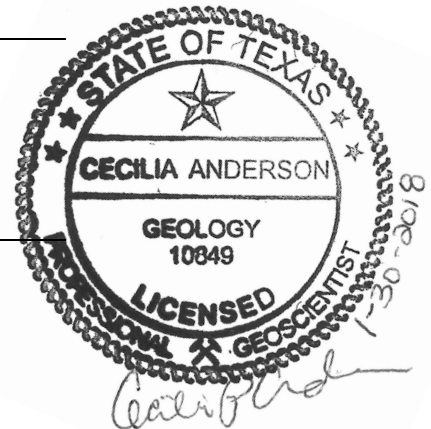
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INTRODUCTION

NRG Texas Power, LLC's (NRG) W.A. Parish Electric Generating Station, (the Site) is located in Thompsons, Texas (Figure 1-1). The Site is adjacent to Smithers Lake with the electricity generating portion on the southeastern shore and the solid waste disposal areas (SWDA) along the northeastern shore of the lake (Figure 1-2). The spent coal fuels or coal combustion residuals consist of fly ash, bottom ash, and flue gas desulfurization (FGD) scrubber sludge. The Site has six regulated coal combustion residual (CCR) management units that are subject to regulation under Title 40, Code of Federal Regulations, Part 257 (40 CFR §257) (a.k.a. the CCR Rule). These include four units within the Solid Waste Disposal Area (SWDA, Solid Waste Management Unit (SWMU) 001): Landfill cells 1C, 2A (which contains the Pug Mill), 2B, and 3), along with the Air Preheater Pond (SWMU 021), and the FGD Emergency Pond (E-Pond, SWMU 020).

This report was produced by Environmental Resource Management, Inc. (ERM), on behalf of NRG Texas Power, LLC, and focuses on the initial annual groundwater monitoring results for the APH Pond in compliance the CCR Rule. The report summarizes the groundwater sampling activity at the Site over the last two years as required by §257.90. Consistent with the notification requirements of the Rule, this annual groundwater monitoring report will be posted to the operational record, notification will be made to the State of Texas, and the report will be placed on the publically accessible internet site (§257.105(h), §257.106(h), §257.107(h)). The report must be posted to the operational record no later than January 31, 2018. Table 1-1 cross references the reporting requirements under the CCR Rule with the contents of this report.

The Air Preheater Wash Pond (here after "Air Preheater Pond") is located within the main Plant Operations Area (Plant Area). NRG has reported the area of the pond as 1.2 acres and the total storage capacity of the Air Preheater Pond is 3.7 acre-feet. Effluent from air preheater wash and boiler cleaning wash (consisting of fly ash or economizer ash particles and water) is pumped to the Air Preheater Pond. The pond is lined with a minimum of two feet of compacted soil with a hydraulic conductivity no more than 1×10^{-7} cm/sec. The hydraulic conductivity of the liner material has been tested (Sargent & Lundy, 2016).

TABLE 1-1: Regulatory Requirement Cross-Reference Table

Regulatory Citation in 40 CFR §257	Requirement (paraphrased)	Associated Section in this Report
§257.90(e)	Status of the groundwater monitoring program.	Section 2.0
§257.90(e)	Summarize key actions completed.	Section 2.2
§257.90(e)	Describe any problems encountered.	Section 2.0
§257.90(e)	Key activities for upcoming year.	Section 3.0
§257.90(e)(1)	Map, aerial image or diagram of CCR Unit and monitor wells	Figure 2.1
§257.90(e)(2)	Identification of new monitor wells installed or abandoned during the preceding year.	There were no new monitor wells installed or abandoned during the preceding year.
§257.90(e)(3)	Summary of groundwater data, wells sampled, date sampled, and whether sample was required under detection or assessment monitoring.	Tables 2-1 and 2-2, Appendix A
§257.90(e)(4)	Narrative discussion of any transition between monitoring programs.	Section 3.0

2.0 *PROGRAM STATUS*

Over the past two years, samples were collected from the certified monitor well network. The groundwater monitor well network consists of one upgradient monitor well, MW- 62, and four downgradient monitor wells MW-60, MW-39, MW-40, and MW-41. All of the monitor wells are screened in the uppermost transmissive zone at the Plant Area. The uppermost aquifer averages approximately 20 feet in thickness near the E Pond and consists of brown, silty sand with various percentages of silt and sand with trace clays. The sand is fine-to coarse-grained, loose, and exhibits high moisture content (wet to saturated). The uppermost transmissive zone is located below a confining layer of silty clay with some sandy clay, clay, and sandy silt average thickness of 15 to 25 ft. A clay rich unit is located immediately below the uppermost transmissive zone.

The well locations can be viewed on the site location map provided in Figure 2-1. No problems were encountered in the data collection or in well performance, and no action was required to resolve any issues. No new wells were installed or decommissioned after the certification of the well network.

2.1 *GROUNDWATER FLOW RATE AND DIRECTION*

Depth to groundwater measurements were made at each monitor well prior to each sampling event. Groundwater elevations, calculated by subtracting the depth to groundwater from the surveyed reference elevation for each well, were reviewed for each sampling event. Potentiometric surface maps can be found in Figure 2-2.

The hydraulic gradient for the sampling events was generally from the northwest to the southeast across the Air Preheater Pond. The hydraulic gradient value for the October 2017 event was 0.0009. Based on the measured hydraulic gradient of 0.0009, an assumed porosity of 0.3, and an average measured hydraulic conductivity of 0.0056 ft/min (ERM, 2017), the velocity of groundwater in the uppermost transmissive zone beneath the Air Preheater Pond is estimated to be approximately 9 feet per year.

2.2 *SAMPLING SUMMARY*

A summary of the total number of samples collected for each well is provided in Table 2-1 and 2-2. Table 2-1 displays the wells upgradient of the CCR Unit while Table 2-2 displays the wells downgradient of the CCR Unit.

TABLE 2-1: Sampling Dates for Each Upgradient Well

Sample Date	MW-62
2016-12-01	X
2017-01-11	X
2017-02-08	X
2017-03-06	X
2017-04-06	X
2017-05-18	X
2017-06-15	X
2017-07-20	X
2017-10-09	X
Total	9

Table 2-2: Sampling Dates for Each Downgradient Well

Sample Date	MW-39	MW-40	MW-41	MW-63	MW-64
2016-07-07	X	X	X		
2016-09-01	X	X	X		
2016-10-12	X	X	X		
2016-12-01	X	X	X	X	X
2017-01-11	X	X	X	X	X
2017-02-08				X	X
2017-03-06	X	X	X	X	X
2017-04-06				X	X
2017-05-17				X	
2017-05-18	X	X	X		X
2017-06-15				X	X
2017-07-20	X	X	X	X	X
2017-10-09	X	X	X	X	X
Total	9	9	9	9	9

During sampling events through July 2017 wells were sampled for the Appendix III and Appendix IV analytes. Samples collected in October 2017 were analyzed for Appendix III analytes only. A summary of the data collected is provided in Appendix A.

DATA QUALITY

ERM reviewed field and laboratory documentation to assess the validity, reliability, and usability of the analytical results. Samples collected during the sampling events were sent to TestAmerica Laboratories, Inc. (TestAmerica), located in Houston, Texas for analysis. TestAmerica - Houston made arrangements for samples to be transported to TestAmerica located in Corpus Christi, Texas for analysis of select constituents. Chain-of-Custody procedures were followed throughout the sample handling process. Data quality information reviewed for these results included field sampling forms, chain-of-custody documentation, holding times, lab methods, cooler temperatures, laboratory method blanks, laboratory control sample recoveries, field duplicate samples, matrix spikes / matrix spike duplicates, quantitation limits, and equipment blanks following the Texas Risk Reduction Program requirements (TRRP-13). The data quality review found the results to be valid, reliable, and useable for decision making purposes with the listed qualifiers. No analytical results were rejected.

3.0

RECOMMENDATIONS

As the initial sample dataset has been collected, statistical analysis to determine upper prediction limits for comparisons of future groundwater results will be reported in the 2018 Annual Groundwater Monitoring Report. The first round of sampling for Detection Monitoring will be conducted during the First Half of 2018.

REFERENCES

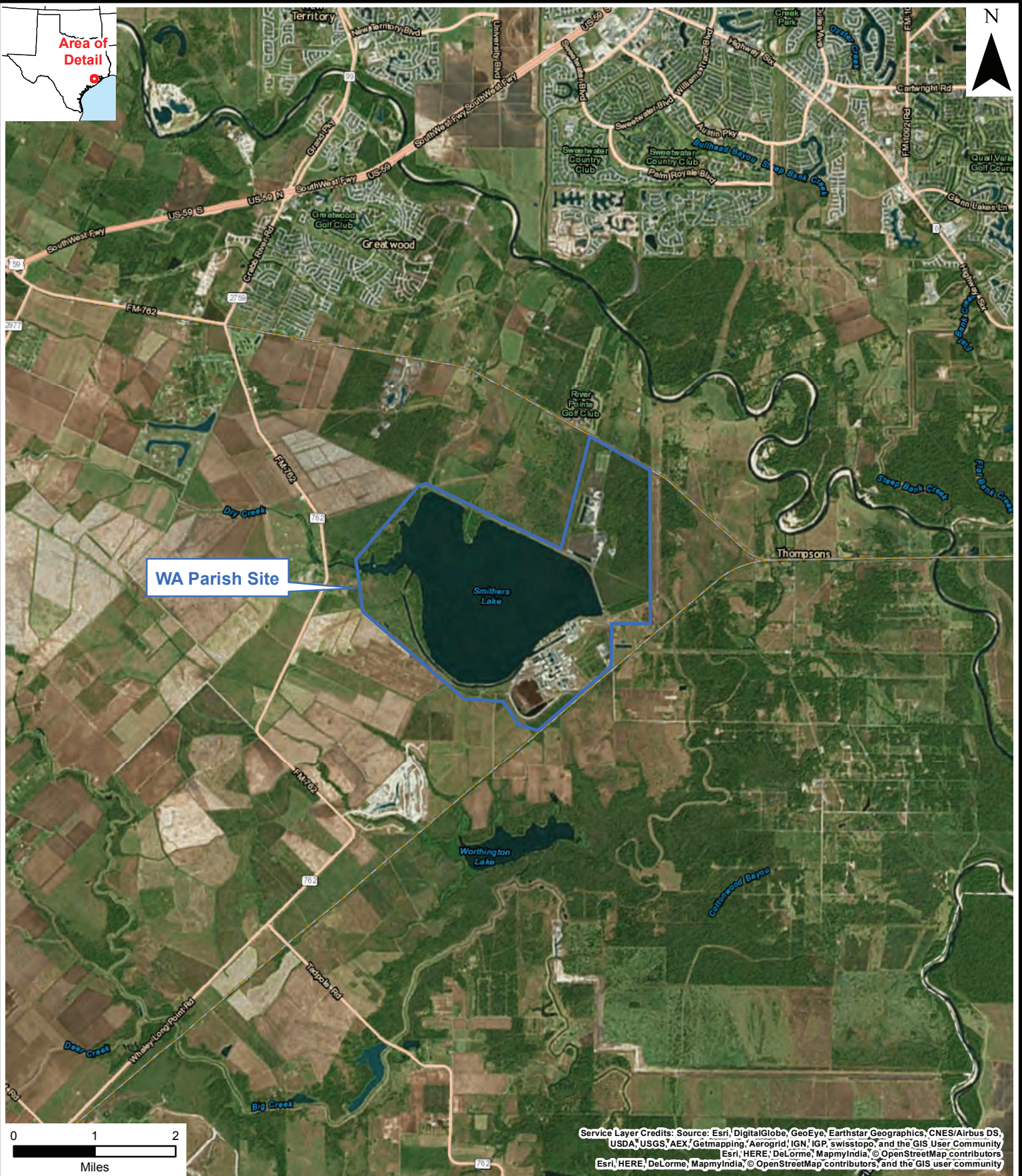
Sargent & Lundy. 2016. *Linear Documentation for Existing CCR Surface Impoundments*. NRG Texas Power LLC W. A. Parish Station, Units 5, 6, 7, & 8.

ERM. 2017. *Groundwater Monitoring Network for Coal Combustions Residuals Rule Compliance*. W.A. Parish. Thompsons, TX.

Figures

January 30, 2018
Project No. 0289614

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FIGURE 1-1
 SITE LOCATION MAP
 NRG Texas Power, LLC
 W.A. Parish Station
 Thompsons, Texas



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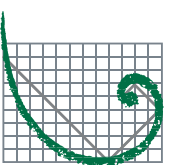
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FIGURE 1-2
 COAL COMBUSTION
 RESIDUAL UNITS
 NRG Texas Power, LLC
 W.A. Parish Station
 Thompsons, Texas

Legend

 CCR Unit Boundary



ERM



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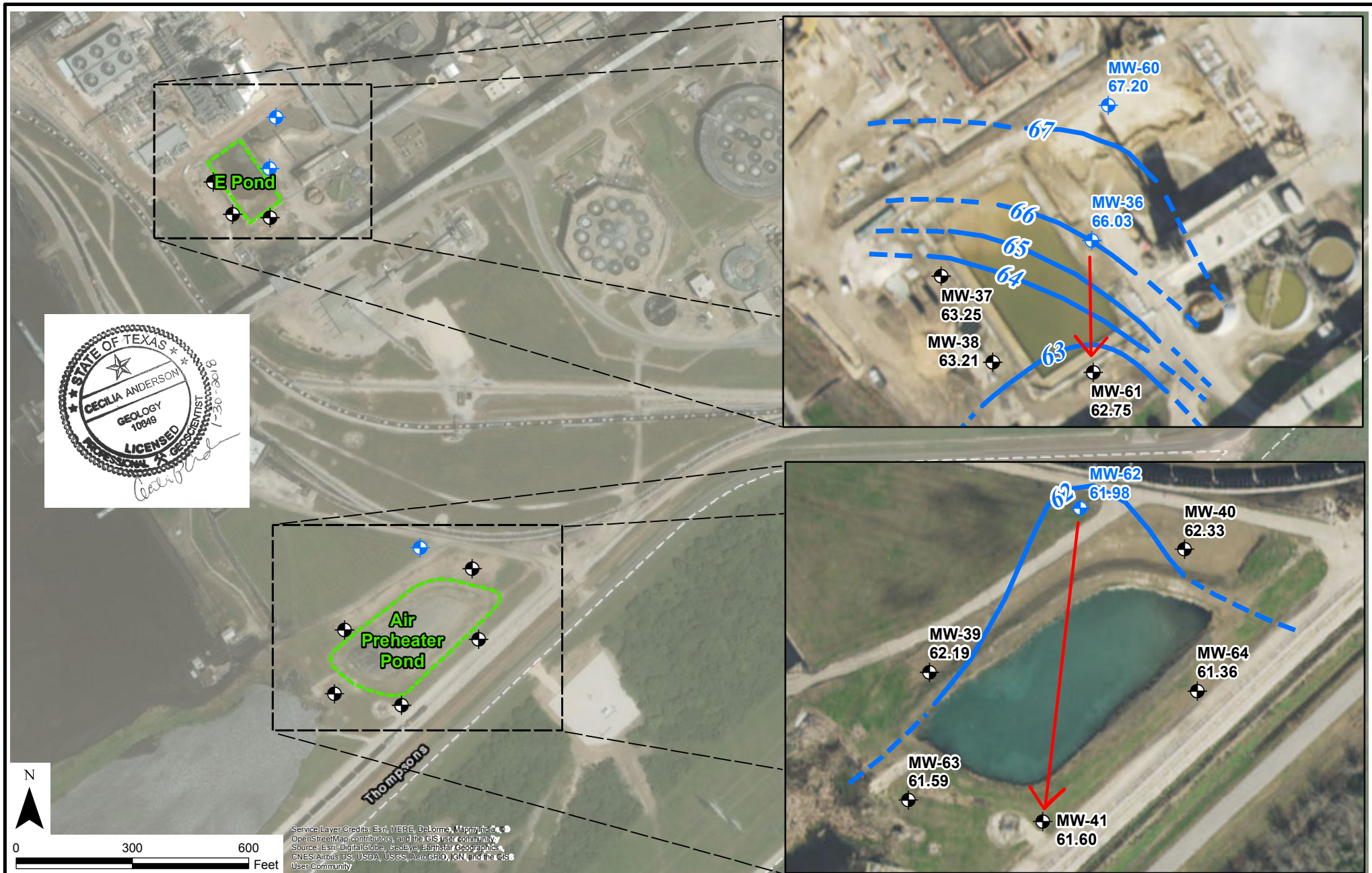
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FIGURE 2-1
 MONITOR WELL NETWORKS
 NRG Texas Power, LLC
 W.A. Parish Station
 Thompsons, Texas

Legend

- Monitor Well
- Upgradient Monitor Well
- CCR Unit Boundary





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FIGURE 2-2
 POTENTIOMETRIC SURFACE MAP
 OCTOBER 9, 2017
 NRG Texas Power, LLC
 W.A. Parish Station
 Thompsons, Texas

- Legend**
- Monitor Wells with Ground Water Elevations (Feet, Mean Sea Level)
 - Upgradient Monitor Wells with Ground Water Elevations (Feet, Mean Sea Level)
 - Potentiometric Surface Contour (Feet, MSL; Dashed Where Inferred)
 - Groundwater Flow Line
 - CCR Unit Boundary



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Groundwater Analytical Results
Appendix A

January 30, 2018
Project No. 0289614

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Appendix A
 Summary of Analytical Data
 NRG - W.A. Parish Electrical Generating Station
 Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
DUP-01-20170406-01	MW-62	FD	4/6/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	238	mg/L		J	Y	9.57	50.0	50.0
DUP-01-20170406-01	MW-62	FD	4/6/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	534	mg/L			Y	5.34	40.0	40.0
DUP-01-20170406-01	MW-62	FD	4/6/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.596	mg/L	J	J	Y	0.301	1.00	1.00
DUP-01-20170406-01	MW-62	FD	4/6/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1790	mg/L			Y	20.0	20.0	20.0
DUP-01-20170406-01	MW-62	FD	4/6/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.0947	mg/L	J	J	Y	0.0700	0.100	0.100
DUP-01-20170406-01	MW-62	FD	4/6/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	187	mg/L			Y	0.198	0.500	0.500
DUP-030617-MH	MW-39	FD	3/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	158	mg/L		J	Y	9.57	50.0	50.0
DUP-030617-MH	MW-39	FD	3/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	610	mg/L			Y	5.34	40.0	40.0
DUP-030617-MH	MW-39	FD	3/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.38	mg/L			Y	0.301	1.00	1.00
DUP-030617-MH	MW-39	FD	3/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1910	mg/L			Y	20.0	20.0	20.0
DUP-030617-MH	MW-39	FD	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0967	mg/L	J	J	Y	0.0700	0.100	0.100
DUP-030617-MH	MW-39	FD	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	283	mg/L			Y	0.198	0.500	0.500
DUP-051717-MH	MW-63	FD	5/17/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	844	mg/L			Y	9.57	50.0	50.0
DUP-051717-MH	MW-63	FD	5/17/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	385	mg/L			Y	5.34	40.0	40.0
DUP-051717-MH	MW-63	FD	5/17/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.557	mg/L	J	J	Y	0.301	1.00	1.00
DUP-051717-MH	MW-63	FD	5/17/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1840	mg/L			Y	20.0	20.0	20.0
DUP-051717-MH	MW-63	FD	5/17/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.158	mg/L			Y	0.0700	0.100	0.100
DUP-051717-MH	MW-63	FD	5/17/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	264	mg/L	b		Y	0.198	0.500	0.500
DUP-070716	MW-41	FD	7/7/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	66	mg/L			Y	4.79	25.0	25.0
DUP-070716	MW-41	FD	7/7/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	400	mg/L			Y	2.67	20.0	20.0
DUP-070716	MW-41	FD	7/7/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.468	mg/L			Y	0.120	0.400	0.400
DUP-070716	MW-41	FD	7/7/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1210	mg/L			Y	20.0	20.0	20.0
DUP-070716	MW-41	FD	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0953	mg/L	J	J	Y	0.0700	0.100	0.100
DUP-070716	MW-41	FD	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	149	mg/L			Y	0.198	0.500	0.500
DUP-072017-PM	MW-41	FD	7/20/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	61.3	mg/L			Y	9.57	50.0	50.0
DUP-072017-PM	MW-41	FD	7/20/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	397	mg/L			Y	5.34	40.0	40.0
DUP-072017-PM	MW-41	FD	7/20/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.463	mg/L	J	J	Y	0.301	1.00	1.00
DUP-072017-PM	MW-41	FD	7/20/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1130	mg/L			Y	20.0	20.0	20.0
DUP-072017-PM	MW-41	FD	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.1	mg/L	U	U	N	0.0700	0.100	0.100
DUP-072017-PM	MW-41	FD	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	186	mg/L			Y	0.198	0.500	0.500
DUP-090116	MW-39	FD	9/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	141	mg/L		J	Y	9.57	50.0	50.0
DUP-090116	MW-39	FD	9/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	644	mg/L	b		Y	5.34	40.0	40.0
DUP-090116	MW-39	FD	9/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	20	mg/L	U	U	N	6.01	20.0	20.0
DUP-090116	MW-39	FD	9/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2540	mg/L			Y	20.0	20.0	20.0
DUP-090116	MW-39	FD	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.11	mg/L			Y	0.0700	0.100	0.100
DUP-090116	MW-39	FD	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	212	mg/L			Y	0.198	0.500	0.500
DUP-120116-DM	MW-62	FD	12/1/2016	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	59.3	mg/L			Y	1.91	10.0	10.0
DUP-120116-DM	MW-62	FD	12/1/2016	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	368	mg/L	b		Y	1.07	8.00	8.00
DUP-120116-DM	MW-62	FD	12/1/2016	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.337	mg/L		JL	Y	0.0601	0.200	0.200
DUP-120116-DM	MW-62	FD	12/1/2016	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1360	mg/L			Y	20.0	20.0	20.0
DUP-120116-DM	MW-62	FD	12/1/2016	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.109	mg/L		JH	Y	0.0700	0.100	0.100
DUP-120116-DM	MW-62	FD	12/1/2016	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	190	mg/L	b		Y	0.198	0.500	0.500
MW-39-20160707-01	MW-39	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	157	mg/L			Y	4.79	25.0	25.0
MW-39-20160707-01	MW-39	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	566	mg/L			Y	2.67	20.0	20.0
MW-39-20160707-01	MW-39	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.371	mg/L			Y	0.0601	0.200	0.200
MW-39-20160707-01	MW-39	N	7/7/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1720	mg/L			Y	20.0	20.0	20.0
MW-39-20160707-01	MW-39	N	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.114	mg/L			Y	0.0700	0.100	0.100
MW-39-20160707-01	MW-39	N	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	208	mg/L			Y	0.198	0.500	0.500
MW-39-20160707-02	MW-39	N	7/7/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.7	pH units			Y			
MW-39-20160901-01	MW-39	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	740	mg/L		J	Y	9.57	50.0	50.0
MW-39-20160901-01	MW-39	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	691	mg/L	b		Y	5.34	40.0	40.0
MW-39-20160901-01	MW-39	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	20	mg/L	U	U	N	6.01	20.0	20.0

Appendix A
Summary of Analytical Data
NRG - W.A. Parish Electrical Generating Station
Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-39-20160901-01	MW-39	N	9/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2510	mg/L			Y	20.0	20.0	20.0
MW-39-20160901-01	MW-39	N	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.11	mg/L			Y	0.0700	0.100	0.100
MW-39-20160901-01	MW-39	N	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	214	mg/L			Y	0.198	0.500	0.500
MW-39-20160901-02	MW-39	N	9/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.72	pH units			Y			
MW-39-20161012-01	MW-39	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	155	mg/L			Y	9.57	50.0	50.0
MW-39-20161012-01	MW-39	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	717	mg/L			Y	5.34	40.0	40.0
MW-39-20161012-01	MW-39	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.378	mg/L	J	J	Y	0.120	0.400	0.400
MW-39-20161012-01	MW-39	N	10/12/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2400	mg/L			Y	20.0	20.0	20.0
MW-39-20161012-01	MW-39	N	10/12/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0792	mg/L	J	J	Y	0.0700	0.100	0.100
MW-39-20161012-01	MW-39	N	10/12/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	284	mg/L			Y	0.198	0.500	0.500
MW-39-20161012-02	MW-39	N	10/12/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.71	pH units			Y			
MW-39-20161201-01	MW-39	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	94.9	mg/L			Y	1.91	10.0	10.0
MW-39-20161201-01	MW-39	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	488	mg/L	b		Y	1.07	8.00	8.00
MW-39-20161201-01	MW-39	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.158	mg/L	J	JL	Y	0.0601	0.200	0.200
MW-39-20161201-01	MW-39	N	12/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1900	mg/L			Y	20.0	20.0	20.0
MW-39-20161201-01	MW-39	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.117	mg/L		JH	Y	0.0700	0.100	0.100
MW-39-20161201-01	MW-39	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	255	mg/L	b		Y	0.198	0.500	0.500
MW-39-20161201-02	MW-39	N	12/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.74	pH units			Y			
MW-39-20170111-01	MW-39	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	164	mg/L			Y	1.91	10.0	10.0
MW-39-20170111-01	MW-39	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	675	mg/L			Y	1.07	8.00	8.00
MW-39-20170111-01	MW-39	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.724	mg/L			Y	0.120	0.400	0.400
MW-39-20170111-01	MW-39	N	1/11/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2070	mg/L			Y	20.0	20.0	20.0
MW-39-20170111-01	MW-39	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0815	mg/L	J	J	Y	0.0700	0.100	0.100
MW-39-20170111-01	MW-39	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	208	mg/L			Y	0.198	0.500	0.500
MW-39-20170111-02	MW-39	N	1/11/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.71	pH units			Y			
MW-39-20170306-01	MW-39	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	281	mg/L		J	Y	9.57	50.0	50.0
MW-39-20170306-01	MW-39	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	625	mg/L			Y	5.34	40.0	40.0
MW-39-20170306-01	MW-39	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.41	mg/L			Y	0.301	1.00	1.00
MW-39-20170306-01	MW-39	N	3/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1890	mg/L			Y	20.0	20.0	20.0
MW-39-20170306-01	MW-39	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.127	mg/L			Y	0.0700	0.100	0.100
MW-39-20170306-01	MW-39	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	273	mg/L			Y	0.198	0.500	0.500
MW-39-20170306-02	MW-39	N	3/6/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.02	pH units			Y			
MW-39-20170518-01	MW-39	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	183	mg/L			Y	2.39	12.5	12.5
MW-39-20170518-01	MW-39	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	840	mg/L			Y	5.34	40.0	40.0
MW-39-20170518-01	MW-39	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.27	mg/L			Y	0.301	1.00	1.00
MW-39-20170518-01	MW-39	N	5/18/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2610	mg/L			Y	20.0	20.0	20.0
MW-39-20170518-01	MW-39	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.108	mg/L			Y	0.0700	0.100	0.100
MW-39-20170518-01	MW-39	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	260	mg/L	b		Y	0.198	0.500	0.500
MW-39-20170518-02	MW-39	N	5/18/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.65	pH units			Y			
MW-39-20170720-01	MW-39	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	207	mg/L			Y	19.1	100	100
MW-39-20170720-01	MW-39	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	746	mg/L			Y	10.7	80.0	80.0
MW-39-20170720-01	MW-39	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.415	mg/L	J	J	Y	0.301	1.00	1.00
MW-39-20170720-01	MW-39	N	7/20/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2530	mg/L			Y	20.0	20.0	20.0
MW-39-20170720-01	MW-39	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0736	mg/L	J	J	Y	0.0700	0.100	0.100
MW-39-20170720-01	MW-39	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	344	mg/L			Y	0.198	0.500	0.500
MW-39-20170720-02	MW-39	N	7/20/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.66	pH units			Y			
MW-39-20171009-01	MW-39	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	201	mg/L			Y	19.1	100	100
MW-39-20171009-01	MW-39	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	838	mg/L			Y	10.7	80.0	80.0
MW-39-20171009-01	MW-39	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2	mg/L	U	U	N	0.601	2.00	2.00
MW-39-20171009-01	MW-39	N	10/9/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2190	mg/L			Y	20.0	20.0	20.0
MW-39-20171009-01	MW-39	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0925	mg/L	J	J	Y	0.0700	0.100	0.100
MW-39-20171009-01	MW-39	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	306	mg/L		J	Y	0.198	0.500	0.500

Appendix A
Summary of Analytical Data
NRG - W.A. Parish Electrical Generating Station
Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-39-20171009-02	MW-39	N	10/9/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.69	pH units			Y			
MW-40-20160707-01	MW-40	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	101	mg/L			Y	4.79	25.0	25.0
MW-40-20160707-01	MW-40	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	573	mg/L			Y	2.67	20.0	20.0
MW-40-20160707-01	MW-40	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.372	mg/L			Y	0.0601	0.200	0.200
MW-40-20160707-01	MW-40	N	7/7/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2030	mg/L			Y	20.0	20.0	20.0
MW-40-20160707-01	MW-40	N	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.117	mg/L			Y	0.0700	0.100	0.100
MW-40-20160707-01	MW-40	N	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	248	mg/L			Y	0.198	0.500	0.500
MW-40-20160707-02	MW-40	N	7/7/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.78	pH units			Y			
MW-40-20160901-01	MW-40	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	77.5	mg/L			Y	9.57	50.0	50.0
MW-40-20160901-01	MW-40	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	572	mg/L	b		Y	5.34	40.0	40.0
MW-40-20160901-01	MW-40	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	20	mg/L	U	U	N	6.01	20.0	20.0
MW-40-20160901-01	MW-40	N	9/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2760	mg/L			Y	20.0	20.0	20.0
MW-40-20160901-01	MW-40	N	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.114	mg/L			Y	0.0700	0.100	0.100
MW-40-20160901-01	MW-40	N	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	231	mg/L			Y	0.198	0.500	0.500
MW-40-20160901-02	MW-40	N	9/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.74	pH units			Y			
MW-40-20161012-01	MW-40	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	87.1	mg/L			Y	9.57	50.0	50.0
MW-40-20161012-01	MW-40	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	618	mg/L			Y	5.34	40.0	40.0
MW-40-20161012-01	MW-40	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.385	mg/L	J	J	Y	0.120	0.400	0.400
MW-40-20161012-01	MW-40	N	10/12/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2720	mg/L			Y	20.0	20.0	20.0
MW-40-20161012-01	MW-40	N	10/12/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0894	mg/L	J	J	Y	0.0700	0.100	0.100
MW-40-20161012-01	MW-40	N	10/12/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	296	mg/L			Y	0.198	0.500	0.500
MW-40-20161012-02	MW-40	N	10/12/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.71	pH units			Y			
MW-40-20161201-01	MW-40	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	50.8	mg/L			Y	1.91	10.0	10.0
MW-40-20161201-01	MW-40	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	521	mg/L	b		Y	1.07	8.00	8.00
MW-40-20161201-01	MW-40	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.0647	mg/L	J	JL	Y	0.0601	0.200	0.200
MW-40-20161201-01	MW-40	N	12/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1810	mg/L			Y	20.0	20.0	20.0
MW-40-20161201-01	MW-40	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.122	mg/L		JH	Y	0.0700	0.100	0.100
MW-40-20161201-01	MW-40	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	306	mg/L	b		Y	0.198	0.500	0.500
MW-40-20161201-02	MW-40	N	12/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.71	pH units			Y			
MW-40-20170111-01	MW-40	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	81.9	mg/L			Y	1.91	10.0	10.0
MW-40-20170111-01	MW-40	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	647	mg/L			Y	1.07	8.00	8.00
MW-40-20170111-01	MW-40	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.2	mg/L			Y	1.20	4.00	4.00
MW-40-20170111-01	MW-40	N	1/11/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2700	mg/L			Y	20.0	20.0	20.0
MW-40-20170111-01	MW-40	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0905	mg/L	J	J	Y	0.0700	0.100	0.100
MW-40-20170111-01	MW-40	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	270	mg/L			Y	0.198	0.500	0.500
MW-40-20170111-02	MW-40	N	1/11/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.69	pH units			Y			
MW-40-20170306-01	MW-40	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	142	mg/L			Y	9.57	50.0	50.0
MW-40-20170306-01	MW-40	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	616	mg/L			Y	5.34	40.0	40.0
MW-40-20170306-01	MW-40	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.34	mg/L			Y	0.301	1.00	1.00
MW-40-20170306-01	MW-40	N	3/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2180	mg/L			Y	20.0	20.0	20.0
MW-40-20170306-01	MW-40	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.127	mg/L			Y	0.0700	0.100	0.100
MW-40-20170306-01	MW-40	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	330	mg/L			Y	0.198	0.500	0.500
MW-40-20170306-02	MW-40	N	3/6/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.67	pH units			Y			
MW-40-20170518-01	MW-40	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	76	mg/L			Y	2.39	12.5	12.5
MW-40-20170518-01	MW-40	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	692	mg/L			Y	5.34	40.0	40.0
MW-40-20170518-01	MW-40	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.788	mg/L	J	J	Y	0.301	1.00	1.00
MW-40-20170518-01	MW-40	N	5/18/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	3020	mg/L			Y	20.0	20.0	20.0
MW-40-20170518-01	MW-40	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0881	mg/L	J	J	Y	0.0700	0.100	0.100
MW-40-20170518-01	MW-40	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	267	mg/L	b		Y	0.198	0.500	0.500
MW-40-20170518-02	MW-40	N	5/18/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.62	pH units			Y			
MW-40-20170720-01	MW-40	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	79.6	mg/L			Y	9.57	50.0	50.0
MW-40-20170720-01	MW-40	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	567	mg/L			Y	5.34	40.0	40.0

Appendix A
Summary of Analytical Data
NRG - W.A. Parish Electrical Generating Station
Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-40-20170720-01	MW-40	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.391	mg/L	J	J	Y	0.301	1.00	1.00
MW-40-20170720-01	MW-40	N	7/20/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2430	mg/L			Y	20.0	20.0	20.0
MW-40-20170720-01	MW-40	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0808	mg/L	J	J	Y	0.0700	0.100	0.100
MW-40-20170720-01	MW-40	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	359	mg/L			Y	0.198	0.500	0.500
MW-40-20170720-02	MW-40	N	7/20/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.6	pH units			Y			
MW-40-20171009-01	MW-40	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	51.6	mg/L			Y	9.57	50.0	50.0
MW-40-20171009-01	MW-40	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	341	mg/L			Y	5.34	40.0	40.0
MW-40-20171009-01	MW-40	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-40-20171009-01	MW-40	N	10/9/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2110	mg/L			Y	20.0	20.0	20.0
MW-40-20171009-01	MW-40	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.103	mg/L			Y	0.0700	0.100	0.100
MW-40-20171009-01	MW-40	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	336	mg/L		J	Y	0.198	0.500	0.500
MW-40-20171009-02	MW-40	N	10/9/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.62	pH units			Y			
MW-41-20160707-01	MW-41	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	87.5	mg/L			Y	2.39	12.5	12.5
MW-41-20160707-01	MW-41	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	402	mg/L			Y	2.67	20.0	20.0
MW-41-20160707-01	MW-41	N	7/7/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.431	mg/L			Y	0.0601	0.200	0.200
MW-41-20160707-01	MW-41	N	7/7/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1250	mg/L			Y	20.0	20.0	20.0
MW-41-20160707-01	MW-41	N	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.101	mg/L			Y	0.0700	0.100	0.100
MW-41-20160707-01	MW-41	N	7/7/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	149	mg/L			Y	0.198	0.500	0.500
MW-41-20160707-02	MW-41	N	7/7/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.8	pH units			Y			
MW-41-20160901-01	MW-41	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	80.3	mg/L			Y	9.57	50.0	50.0
MW-41-20160901-01	MW-41	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	422	mg/L	b		Y	5.34	40.0	40.0
MW-41-20160901-01	MW-41	N	9/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	20	mg/L	U	U	N	6.01	20.0	20.0
MW-41-20160901-01	MW-41	N	9/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1450	mg/L			Y	20.0	20.0	20.0
MW-41-20160901-01	MW-41	N	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0796	mg/L	J	J	Y	0.0700	0.100	0.100
MW-41-20160901-01	MW-41	N	9/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	160	mg/L			Y	0.198	0.500	0.500
MW-41-20160901-02	MW-41	N	9/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.86	pH units			Y			
MW-41-20161012-01	MW-41	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	87.6	mg/L			Y	9.57	50.0	50.0
MW-41-20161012-01	MW-41	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	429	mg/L			Y	5.34	40.0	40.0
MW-41-20161012-01	MW-41	N	10/12/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.374	mg/L	J	J	Y	0.120	0.400	0.400
MW-41-20161012-01	MW-41	N	10/12/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1320	mg/L			Y	20.0	20.0	20.0
MW-41-20161012-01	MW-41	N	10/12/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.1	mg/L	U	U	N	0.0700	0.100	0.100
MW-41-20161012-01	MW-41	N	10/12/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	176	mg/L			Y	0.198	0.500	0.500
MW-41-20161012-02	MW-41	N	10/12/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.08	pH units			Y			
MW-41-20161201-01	MW-41	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	53.7	mg/L			Y	1.91	10.0	10.0
MW-41-20161201-01	MW-41	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	393	mg/L	b		Y	1.07	8.00	8.00
MW-41-20161201-01	MW-41	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.105	mg/L	J	JL	Y	0.0601	0.200	0.200
MW-41-20161201-01	MW-41	N	12/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1250	mg/L			Y	20.0	20.0	20.0
MW-41-20161201-01	MW-41	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0882	mg/L	J	JH	Y	0.0700	0.100	0.100
MW-41-20161201-01	MW-41	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	170	mg/L	b		Y	0.198	0.500	0.500
MW-41-20161201-02	MW-41	N	12/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.86	pH units			Y			
MW-41-20170111-01	MW-41	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	79.3	mg/L			Y	1.91	10.0	10.0
MW-41-20170111-01	MW-41	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	435	mg/L			Y	1.07	8.00	8.00
MW-41-20170111-01	MW-41	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.22	mg/L			Y	1.20	4.00	4.00
MW-41-20170111-01	MW-41	N	1/11/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1320	mg/L			Y	20.0	20.0	20.0
MW-41-20170111-01	MW-41	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.1	mg/L	U	U	N	0.0700	0.100	0.100
MW-41-20170111-01	MW-41	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	151	mg/L			Y	0.198	0.500	0.500
MW-41-20170111-02	MW-41	N	1/11/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.82	pH units			Y			
MW-41-20170306-01	MW-41	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	146	mg/L			Y	9.57	50.0	50.0
MW-41-20170306-01	MW-41	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	416	mg/L			Y	5.34	40.0	40.0
MW-41-20170306-01	MW-41	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.44	mg/L			Y	0.301	1.00	1.00
MW-41-20170306-01	MW-41	N	3/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1170	mg/L			Y	20.0	20.0	20.0
MW-41-20170306-01	MW-41	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0721	mg/L	J	J	Y	0.0700	0.100	0.100

Appendix A
Summary of Analytical Data
NRG - W.A. Parish Electrical Generating Station
Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-41-20170306-01	MW-41	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	184	mg/L			Y	0.198	0.500	0.500
MW-41-20170306-02	MW-41	N	3/6/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.82	pH units			Y			
MW-41-20170518-01	MW-41	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	79.5	mg/L			Y	2.39	12.5	12.5
MW-41-20170518-01	MW-41	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	446	mg/L			Y	5.34	40.0	40.0
MW-41-20170518-01	MW-41	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.41	mg/L			Y	0.301	1.00	1.00
MW-41-20170518-01	MW-41	N	5/18/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1390	mg/L			Y	20.0	20.0	20.0
MW-41-20170518-01	MW-41	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0771	mg/L	J	J	Y	0.0700	0.100	0.100
MW-41-20170518-01	MW-41	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	155	mg/L	b		Y	0.198	0.500	0.500
MW-41-20170518-02	MW-41	N	5/18/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.72	pH units			Y			
MW-41-20170720-01	MW-41	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	56.3	mg/L			Y	9.57	50.0	50.0
MW-41-20170720-01	MW-41	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	387	mg/L			Y	5.34	40.0	40.0
MW-41-20170720-01	MW-41	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.446	mg/L	J	J	Y	0.301	1.00	1.00
MW-41-20170720-01	MW-41	N	7/20/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1320	mg/L			Y	20.0	20.0	20.0
MW-41-20170720-01	MW-41	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.1	mg/L	U	U	N	0.0700	0.100	0.100
MW-41-20170720-01	MW-41	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	191	mg/L			Y	0.198	0.500	0.500
MW-41-20170720-02	MW-41	N	7/20/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.73	pH units			Y			
MW-41-20171009-01	MW-41	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	89.5	mg/L			Y	9.57	50.0	50.0
MW-41-20171009-01	MW-41	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	442	mg/L			Y	5.34	40.0	40.0
MW-41-20171009-01	MW-41	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-41-20171009-01	MW-41	N	10/9/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1300	mg/L			Y	20.0	20.0	20.0
MW-41-20171009-01	MW-41	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0752	mg/L	J	J	Y	0.0700	0.100	0.100
MW-41-20171009-01	MW-41	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	192	mg/L		J	Y	0.198	0.500	0.500
MW-41-20171009-02	MW-41	N	10/9/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.77	pH units			Y			
MW-62-20161201-01	MW-62	N	12/1/2016	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	59.9	mg/L			Y	1.91	10.0	10.0
MW-62-20161201-01	MW-62	N	12/1/2016	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	378	mg/L	b		Y	1.07	8.00	8.00
MW-62-20161201-01	MW-62	N	12/1/2016	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.131	mg/L	J	JL	Y	0.0601	0.200	0.200
MW-62-20161201-01	MW-62	N	12/1/2016	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1330	mg/L			Y	20.0	20.0	20.0
MW-62-20161201-01	MW-62	N	12/1/2016	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.113	mg/L		JH	Y	0.0700	0.100	0.100
MW-62-20161201-01	MW-62	N	12/1/2016	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	194	mg/L	b		Y	0.198	0.500	0.500
MW-62-20161201-02	MW-62	N	12/1/2016	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.94	pH units			Y			
MW-62-20170111-01	MW-62	N	1/11/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	75.7	mg/L			Y	1.91	10.0	10.0
MW-62-20170111-01	MW-62	N	1/11/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	563	mg/L			Y	1.07	8.00	8.00
MW-62-20170111-01	MW-62	N	1/11/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.28	mg/L			Y	1.20	4.00	4.00
MW-62-20170111-01	MW-62	N	1/11/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1840	mg/L			Y	20.0	20.0	20.0
MW-62-20170111-01	MW-62	N	1/11/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.0999	mg/L	J	J	Y	0.0700	0.100	0.100
MW-62-20170111-01	MW-62	N	1/11/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	194	mg/L			Y	0.198	0.500	0.500
MW-62-20170111-02	MW-62	N	1/11/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.77	pH units			Y			
MW-62-20170208-01	MW-62	N	2/8/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	55.1	mg/L			Y	9.57	50.0	50.0
MW-62-20170208-01	MW-62	N	2/8/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	533	mg/L			Y	5.34	40.0	40.0
MW-62-20170208-01	MW-62	N	2/8/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.41	mg/L			Y	0.301	1.00	1.00
MW-62-20170208-01	MW-62	N	2/8/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1560	mg/L			Y	20.0	20.0	20.0
MW-62-20170208-01	MW-62	N	2/8/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.12	mg/L			Y	0.0700	0.100	0.100
MW-62-20170208-01	MW-62	N	2/8/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	198	mg/L	b		Y	0.198	0.500	0.500
MW-62-20170208-02	MW-62	N	2/8/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.8	pH units			Y			
MW-62-20170306-01	MW-62	N	3/6/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	70.2	mg/L			Y	9.57	50.0	50.0
MW-62-20170306-01	MW-62	N	3/6/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	542	mg/L			Y	5.34	40.0	40.0
MW-62-20170306-01	MW-62	N	3/6/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.41	mg/L			Y	0.301	1.00	1.00
MW-62-20170306-01	MW-62	N	3/6/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1700	mg/L			Y	20.0	20.0	20.0
MW-62-20170306-01	MW-62	N	3/6/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.0897	mg/L	J	J	Y	0.0700	0.100	0.100
MW-62-20170306-01	MW-62	N	3/6/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	218	mg/L			Y	0.198	0.500	0.500
MW-62-20170306-02	MW-62	N	3/6/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.87	pH units			Y			
MW-62-20170406-01	MW-62	N	4/6/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	149	mg/L		J	Y	9.57	50.0	50.0

Appendix A
 Summary of Analytical Data
 NRG - W.A. Parish Electrical Generating Station
 Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-62-20170406-01	MW-62	N	4/6/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	543	mg/L			Y	5.34	40.0	40.0
MW-62-20170406-01	MW-62	N	4/6/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.611	mg/L	J	J	Y	0.301	1.00	1.00
MW-62-20170406-01	MW-62	N	4/6/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1900	mg/L			Y	20.0	20.0	20.0
MW-62-20170406-01	MW-62	N	4/6/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.115	mg/L			Y	0.0700	0.100	0.100
MW-62-20170406-01	MW-62	N	4/6/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	196	mg/L			Y	0.198	0.500	0.500
MW-62-20170406-02	MW-62	N	4/6/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.77	pH units			Y			
MW-62-20170518-01	MW-62	N	5/18/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	67.3	mg/L			Y	2.39	12.5	12.5
MW-62-20170518-01	MW-62	N	5/18/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	615	mg/L			Y	5.34	40.0	40.0
MW-62-20170518-01	MW-62	N	5/18/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.4	mg/L			Y	0.301	1.00	1.00
MW-62-20170518-01	MW-62	N	5/18/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2050	mg/L			Y	20.0	20.0	20.0
MW-62-20170518-01	MW-62	N	5/18/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.113	mg/L			Y	0.0700	0.100	0.100
MW-62-20170518-01	MW-62	N	5/18/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	186	mg/L	b		Y	0.198	0.500	0.500
MW-62-20170518-02	MW-62	N	5/18/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.67	pH units			Y			
MW-62-20170615-01	MW-62	N	6/15/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	66	mg/L			Y	0.957	5.00	5.00
MW-62-20170615-01	MW-62	N	6/15/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	530	mg/L			Y	5.34	40.0	40.0
MW-62-20170615-01	MW-62	N	6/15/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.431	mg/L			Y	0.120	0.400	0.400
MW-62-20170615-01	MW-62	N	6/15/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1790	mg/L			Y	20.0	20.0	20.0
MW-62-20170615-01	MW-62	N	6/15/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.1	mg/L			Y	0.0700	0.100	0.100
MW-62-20170615-01	MW-62	N	6/15/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	206	mg/L			Y	0.198	0.500	0.500
MW-62-20170615-02	MW-62	N	6/15/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.75	pH units			Y			
MW-62-20170720-01	MW-62	N	7/20/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	62.6	mg/L			Y	9.57	50.0	50.0
MW-62-20170720-01	MW-62	N	7/20/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	489	mg/L			Y	5.34	40.0	40.0
MW-62-20170720-01	MW-62	N	7/20/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.546	mg/L	J	J	Y	0.301	1.00	1.00
MW-62-20170720-01	MW-62	N	7/20/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1840	mg/L			Y	20.0	20.0	20.0
MW-62-20170720-01	MW-62	N	7/20/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.077	mg/L	J	J	Y	0.0700	0.100	0.100
MW-62-20170720-01	MW-62	N	7/20/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	231	mg/L			Y	0.198	0.500	0.500
MW-62-20170720-02	MW-62	N	7/20/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.73	pH units			Y			
MW-62-20171009-01	MW-62	N	10/9/2017	APHPond	Initial	Upgradient	N	E300	14808-79-8	Sulfate	86.2	mg/L			Y	9.57	50.0	50.0
MW-62-20171009-01	MW-62	N	10/9/2017	APHPond	Initial	Upgradient	N	E300	16887-00-6	Chloride	644	mg/L			Y	5.34	40.0	40.0
MW-62-20171009-01	MW-62	N	10/9/2017	APHPond	Initial	Upgradient	N	E300	16984-48-8	Fluoride	2	mg/L	U	U	N	0.601	2.00	2.00
MW-62-20171009-01	MW-62	N	10/9/2017	APHPond	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1670	mg/L			Y	20.0	20.0	20.0
MW-62-20171009-01	MW-62	N	10/9/2017	APHPond	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.117	mg/L			Y	0.0700	0.100	0.100
MW-62-20171009-01	MW-62	N	10/9/2017	APHPond	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	225	mg/L		J	Y	0.198	0.500	0.500
MW-62-20171009-02	MW-62	N	10/9/2017	APHPond	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.77	pH units			Y			
MW-63-20161201-01	MW-63	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	352	mg/L			Y	1.91	10.0	10.0
MW-63-20161201-01	MW-63	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	338	mg/L	b		Y	1.07	8.00	8.00
MW-63-20161201-01	MW-63	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.0829	mg/L	J	JL	Y	0.0601	0.200	0.200
MW-63-20161201-01	MW-63	N	12/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1710	mg/L			Y	20.0	20.0	20.0
MW-63-20161201-01	MW-63	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.143	mg/L		JH	Y	0.0700	0.100	0.100
MW-63-20161201-01	MW-63	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	335	mg/L	b		Y	0.198	0.500	0.500
MW-63-20161201-02	MW-63	N	12/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.71	pH units			Y			
MW-63-20170111-01	MW-63	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	553	mg/L			Y	1.91	10.0	10.0
MW-63-20170111-01	MW-63	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	439	mg/L			Y	1.07	8.00	8.00
MW-63-20170111-01	MW-63	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.26	mg/L			Y	1.20	4.00	4.00
MW-63-20170111-01	MW-63	N	1/11/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1830	mg/L			Y	20.0	20.0	20.0
MW-63-20170111-01	MW-63	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.114	mg/L			Y	0.0700	0.100	0.100
MW-63-20170111-01	MW-63	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	284	mg/L			Y	0.198	0.500	0.500
MW-63-20170111-02	MW-63	N	1/11/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.73	pH units			Y			
MW-63-20170208-01	MW-63	N	2/8/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	443	mg/L			Y	9.57	50.0	50.0
MW-63-20170208-01	MW-63	N	2/8/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	409	mg/L			Y	5.34	40.0	40.0
MW-63-20170208-01	MW-63	N	2/8/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.54	mg/L			Y	0.301	1.00	1.00
MW-63-20170208-01	MW-63	N	2/8/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1670	mg/L			Y	20.0	20.0	20.0

Appendix A
Summary of Analytical Data
NRG - W.A. Parish Electrical Generating Station
Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-63-20170208-01	MW-63	N	2/8/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.147	mg/L			Y	0.0700	0.100	0.100
MW-63-20170208-01	MW-63	N	2/8/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	322	mg/L	b		Y	0.198	0.500	0.500
MW-63-20170208-02	MW-63	N	2/8/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.66	pH units			Y			
MW-63-20170306-01	MW-63	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	622	mg/L			Y	9.57	50.0	50.0
MW-63-20170306-01	MW-63	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	424	mg/L			Y	5.34	40.0	40.0
MW-63-20170306-01	MW-63	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.35	mg/L			Y	0.301	1.00	1.00
MW-63-20170306-01	MW-63	N	3/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1930	mg/L			Y	20.0	20.0	20.0
MW-63-20170306-01	MW-63	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.177	mg/L			Y	0.0700	0.100	0.100
MW-63-20170306-01	MW-63	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	369	mg/L			Y	0.198	0.500	0.500
MW-63-20170306-02	MW-63	N	3/6/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.71	pH units			Y			
MW-63-20170406-01	MW-63	N	4/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	625	mg/L			Y	9.57	50.0	50.0
MW-63-20170406-01	MW-63	N	4/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	400	mg/L			Y	5.34	40.0	40.0
MW-63-20170406-01	MW-63	N	4/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.59	mg/L	J	J	Y	0.301	1.00	1.00
MW-63-20170406-01	MW-63	N	4/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2000	mg/L			Y	20.0	20.0	20.0
MW-63-20170406-01	MW-63	N	4/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.156	mg/L			Y	0.0700	0.100	0.100
MW-63-20170406-01	MW-63	N	4/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	307	mg/L			Y	0.198	0.500	0.500
MW-63-20170406-02	MW-63	N	4/6/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.74	pH units			Y			
MW-63-20170517-01	MW-63	N	5/17/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	687	mg/L			Y	9.57	50.0	50.0
MW-63-20170517-01	MW-63	N	5/17/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	393	mg/L			Y	5.34	40.0	40.0
MW-63-20170517-01	MW-63	N	5/17/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.502	mg/L	J	J	Y	0.301	1.00	1.00
MW-63-20170517-01	MW-63	N	5/17/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1810	mg/L			Y	20.0	20.0	20.0
MW-63-20170517-01	MW-63	N	5/17/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.122	mg/L			Y	0.0700	0.100	0.100
MW-63-20170517-01	MW-63	N	5/17/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	256	mg/L	b		Y	0.198	0.500	0.500
MW-63-20170517-02	MW-63	N	5/17/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.58	pH units			Y			
MW-63-20170615-01	MW-63	N	6/15/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	550	mg/L			Y	1.91	10.0	10.0
MW-63-20170615-01	MW-63	N	6/15/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	422	mg/L			Y	5.34	40.0	40.0
MW-63-20170615-01	MW-63	N	6/15/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4	mg/L	U	U	N	1.20	4.00	4.00
MW-63-20170615-01	MW-63	N	6/15/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2000	mg/L			Y	20.0	20.0	20.0
MW-63-20170615-01	MW-63	N	6/15/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.119	mg/L			Y	0.0700	0.100	0.100
MW-63-20170615-01	MW-63	N	6/15/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	244	mg/L			Y	0.198	0.500	0.500
MW-63-20170720-01	MW-63	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	308	mg/L			Y	9.57	50.0	50.0
MW-63-20170720-01	MW-63	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	374	mg/L			Y	5.34	40.0	40.0
MW-63-20170720-01	MW-63	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.466	mg/L	J	J	Y	0.301	1.00	1.00
MW-63-20170720-01	MW-63	N	7/20/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1820	mg/L			Y	20.0	20.0	20.0
MW-63-20170720-01	MW-63	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0891	mg/L	J	J	Y	0.0700	0.100	0.100
MW-63-20170720-01	MW-63	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	337	mg/L			Y	0.198	0.500	0.500
MW-63-20170720-02	MW-63	N	7/20/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.62	pH units			Y			
MW-63-20171009-01	MW-63	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	440	mg/L			Y	9.57	50.0	50.0
MW-63-20171009-01	MW-63	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	426	mg/L			Y	5.34	40.0	40.0
MW-63-20171009-01	MW-63	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.347	mg/L	J	J	Y	0.301	1.00	1.00
MW-63-20171009-01	MW-63	N	10/9/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1850	mg/L			Y	20.0	20.0	20.0
MW-63-20171009-01	MW-63	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.108	mg/L			Y	0.0700	0.100	0.100
MW-63-20171009-01	MW-63	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	328	mg/L		J	Y	0.198	0.500	0.500
MW-63-20171009-02	MW-63	N	10/9/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.66	pH units			Y			
MW-64-20161201-01	MW-64	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	45.8	mg/L			Y	1.91	10.0	10.0
MW-64-20161201-01	MW-64	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	346	mg/L	b		Y	1.07	8.00	8.00
MW-64-20161201-01	MW-64	N	12/1/2016	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.165	mg/L	J	JL	Y	0.0601	0.200	0.200
MW-64-20161201-01	MW-64	N	12/1/2016	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1330	mg/L			Y	20.0	20.0	20.0
MW-64-20161201-01	MW-64	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.124	mg/L		JH	Y	0.0700	0.100	0.100
MW-64-20161201-01	MW-64	N	12/1/2016	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	215	mg/L	b		Y	0.198	0.500	0.500
MW-64-20161201-02	MW-64	N	12/1/2016	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.77	pH units			Y			
MW-64-20170111-01	MW-64	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	56.6	mg/L			Y	1.91	10.0	10.0

Appendix A
Summary of Analytical Data
NRG - W.A. Parish Electrical Generating Station
Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-64-20170111-01	MW-64	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	501	mg/L			Y	1.07	8.00	8.00
MW-64-20170111-01	MW-64	N	1/11/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.2	mg/L			Y	1.20	4.00	4.00
MW-64-20170111-01	MW-64	N	1/11/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2030	mg/L			Y	20.0	20.0	20.0
MW-64-20170111-01	MW-64	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0837	mg/L	J	J	Y	0.0700	0.100	0.100
MW-64-20170111-01	MW-64	N	1/11/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	210	mg/L			Y	0.198	0.500	0.500
MW-64-20170111-02	MW-64	N	1/11/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.73	pH units			Y			
MW-64-20170208-01	MW-64	N	2/8/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	54.9	mg/L			Y	0.479	2.50	2.50
MW-64-20170208-01	MW-64	N	2/8/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	469	mg/L			Y	5.34	40.0	40.0
MW-64-20170208-01	MW-64	N	2/8/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	21.7	mg/L			Y	6.01	20.0	20.0
MW-64-20170208-01	MW-64	N	2/8/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1510	mg/L			Y	20.0	20.0	20.0
MW-64-20170208-01	MW-64	N	2/8/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.101	mg/L			Y	0.0700	0.100	0.100
MW-64-20170208-01	MW-64	N	2/8/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	237	mg/L	b		Y	0.198	0.500	0.500
MW-64-20170208-02	MW-64	N	2/8/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.62	pH units			Y			
MW-64-20170306-01	MW-64	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	65	mg/L			Y	9.57	50.0	50.0
MW-64-20170306-01	MW-64	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	469	mg/L			Y	5.34	40.0	40.0
MW-64-20170306-01	MW-64	N	3/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.38	mg/L			Y	0.301	1.00	1.00
MW-64-20170306-01	MW-64	N	3/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1680	mg/L			Y	20.0	20.0	20.0
MW-64-20170306-01	MW-64	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.127	mg/L			Y	0.0700	0.100	0.100
MW-64-20170306-01	MW-64	N	3/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	248	mg/L			Y	0.198	0.500	0.500
MW-64-20170306-02	MW-64	N	3/6/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.74	pH units			Y			
MW-64-20170406-01	MW-64	N	4/6/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	64.8	mg/L			Y	9.57	50.0	50.0
MW-64-20170406-01	MW-64	N	4/6/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	563	mg/L			Y	5.34	40.0	40.0
MW-64-20170406-01	MW-64	N	4/6/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.513	mg/L	J	J	Y	0.301	1.00	1.00
MW-64-20170406-01	MW-64	N	4/6/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2000	mg/L			Y	20.0	20.0	20.0
MW-64-20170406-01	MW-64	N	4/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.113	mg/L			Y	0.0700	0.100	0.100
MW-64-20170406-01	MW-64	N	4/6/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	233	mg/L			Y	0.198	0.500	0.500
MW-64-20170406-02	MW-64	N	4/6/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.74	pH units			Y			
MW-64-20170518-01	MW-64	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	51.4	mg/L			Y	2.39	12.5	12.5
MW-64-20170518-01	MW-64	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	515	mg/L			Y	5.34	40.0	40.0
MW-64-20170518-01	MW-64	N	5/18/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.923	mg/L	J	J	Y	0.301	1.00	1.00
MW-64-20170518-01	MW-64	N	5/18/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2210	mg/L			Y	20.0	20.0	20.0
MW-64-20170518-01	MW-64	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0892	mg/L	J	J	Y	0.0700	0.100	0.100
MW-64-20170518-01	MW-64	N	5/18/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	197	mg/L	b		Y	0.198	0.500	0.500
MW-64-20170518-02	MW-64	N	5/18/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.67	pH units			Y			
MW-64-20170615-01	MW-64	N	6/15/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	57.2	mg/L			Y	0.957	5.00	5.00
MW-64-20170615-01	MW-64	N	6/15/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	437	mg/L			Y	5.34	40.0	40.0
MW-64-20170615-01	MW-64	N	6/15/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.453	mg/L			Y	0.120	0.400	0.400
MW-64-20170615-01	MW-64	N	6/15/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1710	mg/L			Y	20.0	20.0	20.0
MW-64-20170615-01	MW-64	N	6/15/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.106	mg/L			Y	0.0700	0.100	0.100
MW-64-20170615-01	MW-64	N	6/15/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	193	mg/L			Y	0.198	0.500	0.500
MW-64-20170615-02	MW-64	N	6/15/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	3.7	pH units			Y			
MW-64-20170720-01	MW-64	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	47.2	mg/L	J	J	Y	9.57	50.0	50.0
MW-64-20170720-01	MW-64	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	422	mg/L			Y	5.34	40.0	40.0
MW-64-20170720-01	MW-64	N	7/20/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.5	mg/L	J	J	Y	0.301	1.00	1.00
MW-64-20170720-01	MW-64	N	7/20/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1800	mg/L			Y	20.0	20.0	20.0
MW-64-20170720-01	MW-64	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0783	mg/L	J	J	Y	0.0700	0.100	0.100
MW-64-20170720-01	MW-64	N	7/20/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	253	mg/L			Y	0.198	0.500	0.500
MW-64-20170720-02	MW-64	N	7/20/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.65	pH units			Y			
MW-64-20171009-01	MW-64	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	14808-79-8	Sulfate	57.2	mg/L			Y	9.57	50.0	50.0
MW-64-20171009-01	MW-64	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16887-00-6	Chloride	521	mg/L			Y	5.34	40.0	40.0
MW-64-20171009-01	MW-64	N	10/9/2017	APHPond	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.39	mg/L	J	J	Y	0.301	1.00	1.00
MW-64-20171009-01	MW-64	N	10/9/2017	APHPond	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1760	mg/L			Y	20.0	20.0	20.0

Appendix A
 Summary of Analytical Data
 NRG - W.A. Parish Electrical Generating Station
 Thompsons, Texas

SYS_SAMPLE_CODE	SYS_LOC_CODE	SAMPLE_TYPE_CODE	SAMPLE_DATE	SUBFACILITY_CODE	TEST_TYPE	LOC_DESC	FRACTION	ANALYTIC_METHOD	CAS_RN	CHEMICAL_NAME	REPORT_RESULT_VALUE	REPORT_RESULT_UNIT	LAB_QUALIFIERS	INTERPRETED_QUALIFIERS	DETECT_FLAG	METHOD_DETECTION_LIMIT	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT
MW-64-20171009-01	MW-64	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.103	mg/L			Y	0.0700	0.100	0.100
MW-64-20171009-01	MW-64	N	10/9/2017	APHPond	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	251	mg/L		J	Y	0.198	0.500	0.500
MW-64-20171009-02	MW-64	N	10/9/2017	APHPond	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.69	pH units			Y			

NOTES:

1. Samples with FD in the Sample ID are blind field duplicates collected from the location in SYS_LOC_CODE column.

2. Results reported in milligrams per liter (mg/L) except for pH which is reported in standard units (pH units).

QUALIFIERS:

U - Result reported as not detected above the sample detection limit (SDL), or result qualified as not detected at an estimated SDL due to blank contamination.

J - Result reported as detected between the SDL and the Method Quantitation Limit (MQL) or result qualified as detected at an estimated concentration.

JH - Result qualified as detected at an estimated concentration with a high bias.

H - Sample analyzed outside hold time.

JL - Result qualified as detected at an estimated concentration with a low bias.

b - Blank contamination noted by laboratory.