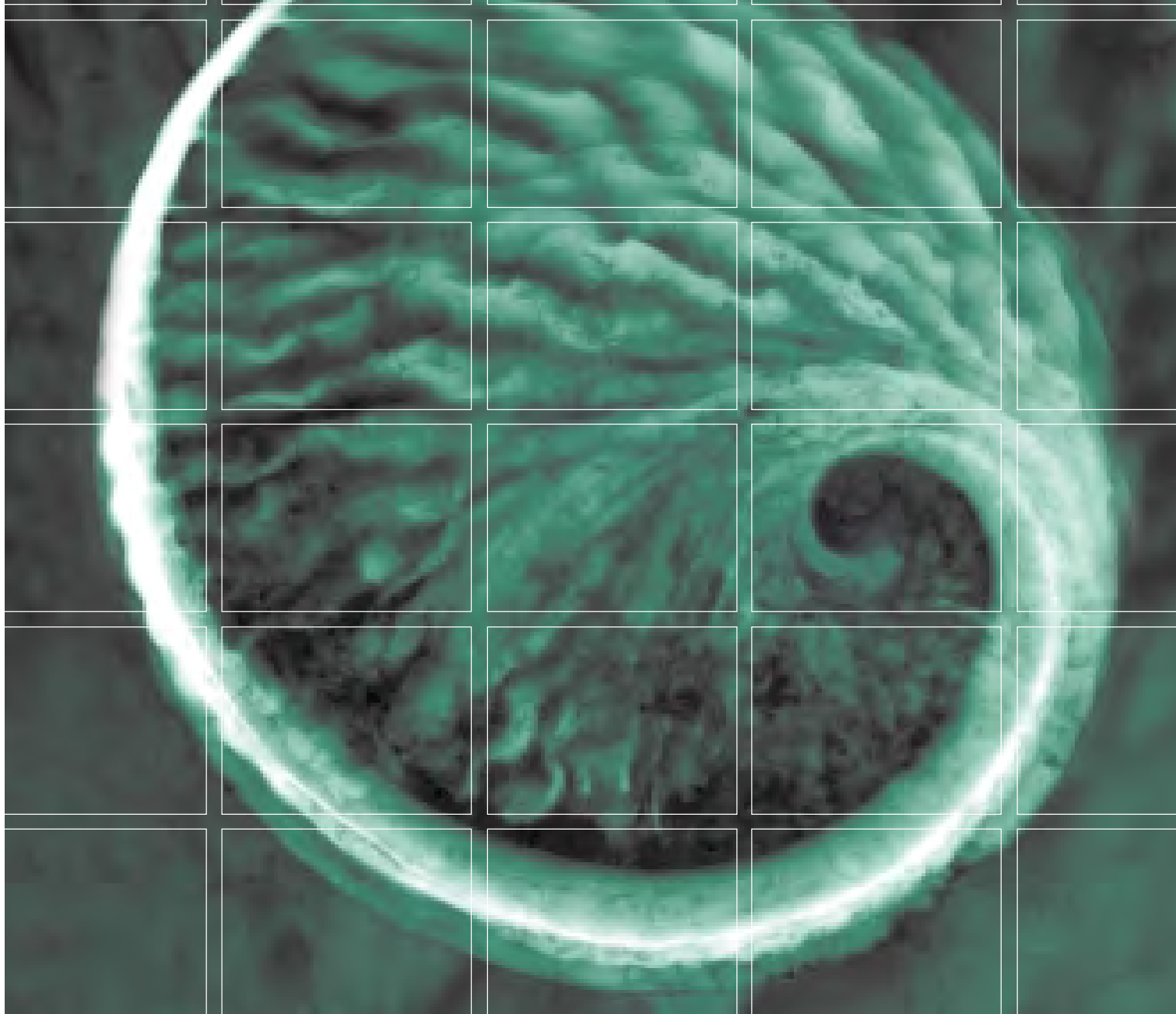


Annual Groundwater Monitoring Reports - Solid Waste Disposal Area – SWMU 001

Cell 1C	2
Cell 2A/Pug Mill	29
Cell 2B	53
Cell 3	79

NRG Texas Power, LLC
W.A. Parish Electric Generating Station
Thompsons, Texas
January 30, 2018



Annual Groundwater Monitoring Report Solid Waste Disposal Area Cell 1C (SWMU 001)

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

January 30, 2018

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Annual Groundwater Monitoring Report Solid Waste Disposal Area Cell 1C (SWMU 001)

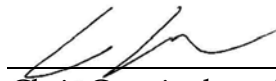
January 30, 2018

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



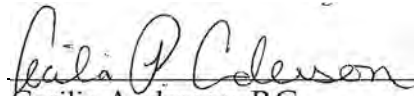
Jim Davidson, P.G.

Partner-in-Charge



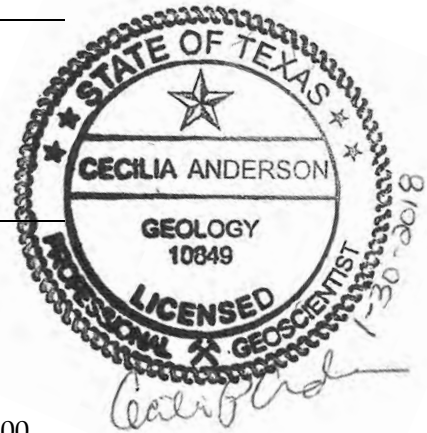
Chris Cunningham, P.E.

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APPENDICES

A GROUNDWATER ANALYTICAL RESULTS

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- 1-2** *Coal Combustion Residual Units*

- 2-1** *Coal Combustion Residual Monitor Well Networks*
- 2-2** *October 2017 Potentiometric Map*

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 (ERM), on behalf of NRG Texas Power, LLC, and focuses on the initial annual groundwater monitoring results for SWDA Cell 1C in compliance with 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.

Landfill Cell 1C is part of the SWDA located to the north of the main Plant Area. Landfill Cell 1C is approximately 13 acres in size and is utilized for the final disposition of coal combustion residual waste.

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 4.0
§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 two upgradient monitor wells, MW-47, MW-49 and six downgradient monitor wells MW-19, MW-49, MW-50, MW-51, MW-52, and MW-67. All of the monitor wells are screened in the uppermost transmissive zone around the SWDA. The uppermost aquifer is approximately 20 feet (ft) thick and is comprised of interlayered sand, silty sand, clayey sand, clayey sandy silt, and some gravelly sand. 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 with an average thickness of 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.

The hydraulic gradient for the sampling events was generally to the north/northeast toward the Brazos River located about one mile north/north east of the site. The hydraulic gradient rates ranged from 0.0007 to 0.0018 feet per foot during the October 2017 event. This range is consistent with other events. Based on the average measured hydraulic gradient of 0.001, an assumed porosity of 0.3, and an average measured hydraulic conductivity of 0.005 ft/min (ERM, 2017), the velocity of groundwater in the uppermost transmissive zone beneath the SWDA is estimated to be approximately 9 feet per year. A potentiometric surface map from the October 2017 event is included as Figure 2-2.

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-47	MW-48
2016-07-07	X	
2016-07-08		X
2016-08-30	X	X
2016-10-11	X	X
2016-11-30	X	X
2017-01-10	X	X
2017-03-08	X	X
2017-05-16	X	X
2017-07-17	X	X
2017-10-10	X	X
Total	9	9

TABLE 2-2: Sampling Dates for Each Downgradient Well

Sample Date	MW-19	MW-49	MW-50	MW-51	MW-52	MW-67
2016-07-07		X	X		X	
2016-07-08	X			X		
2016-08-30	X	X	X			
2016-08-31				X	X	
2016-10-11		X				
2016-10-12	X		X	X	X	
2016-11-29	X			X		
2016-11-30		X	X		X	X
2017-01-09	X			X	X	X
2017-01-10		X	X			
2017-02-08						X
2017-03-08	X	X	X	X		
2017-03-09					X	X
2017-04-06						X
2017-05-15		X	X	X		
2017-05-16	X				X	X
2017-06-15						X
2017-07-17		X	X			
2017-07-18	X			X	X	
2017-07-19						X
2017-10-09	X	X	X			
2017-10-10				X	X	X
Total	9	9	9	9	9	9

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

2.3

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.

RECOMMENDATIONS

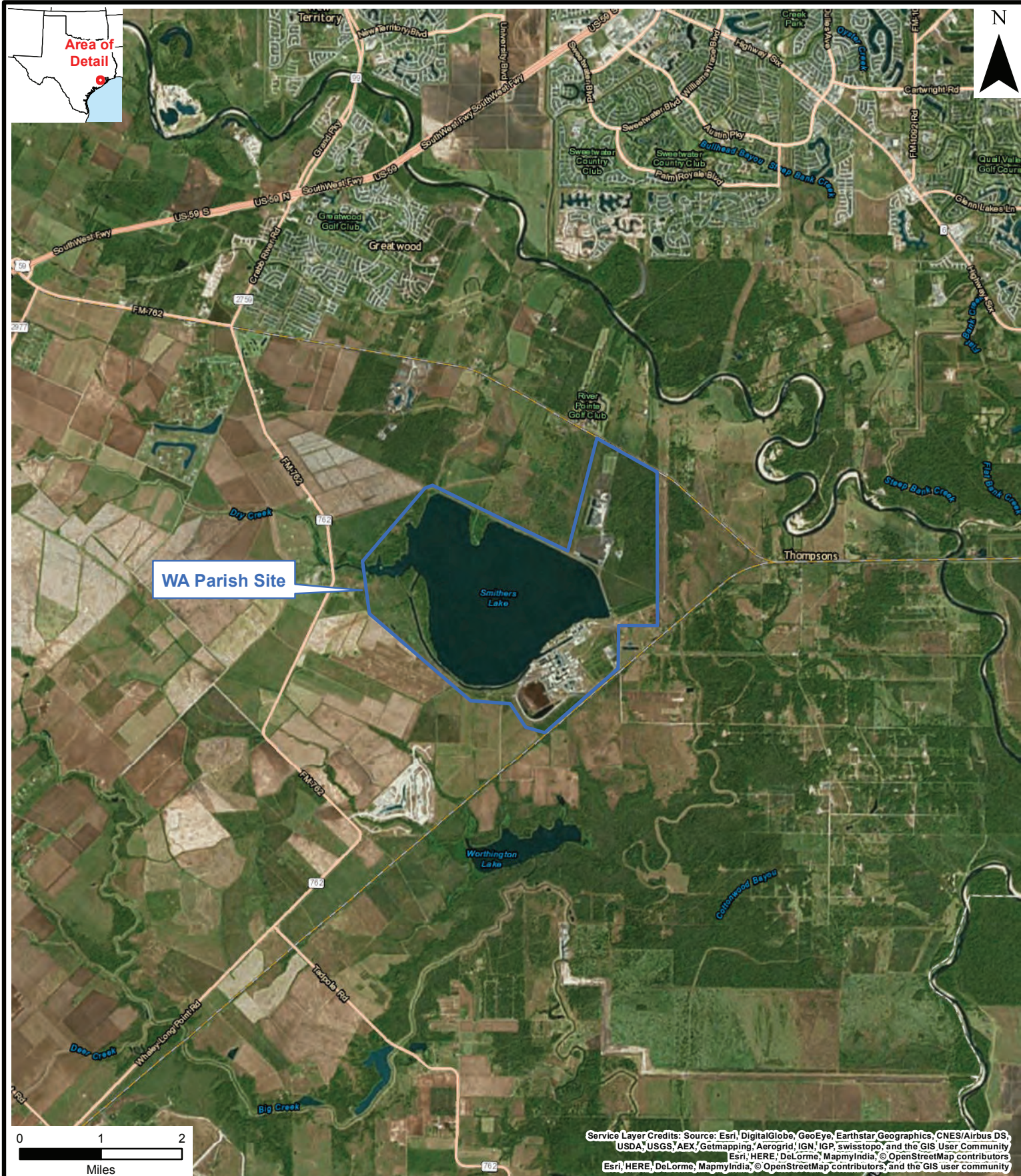
As the initial sample dataset has been collected, statistical analysis to determine upper prediction limits for comparisons of future groundwater results will be reported in the 2018 Annual Groundwater Monitoring Report. The first round of sampling for Detection Monitoring will be conducted during the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

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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Environmental Resources Management

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W.O.NO.: H:\DWG\IC16\0337925_SiteLoc.mxd, 3/9/2016 3:25:19 PM					

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



Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, ©OpenStreetMap contributors
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the
GIS User Community



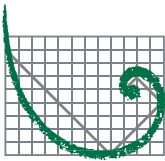
Environmental Resources Management

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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



Environmental Resources Management

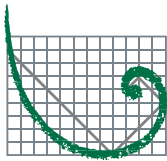
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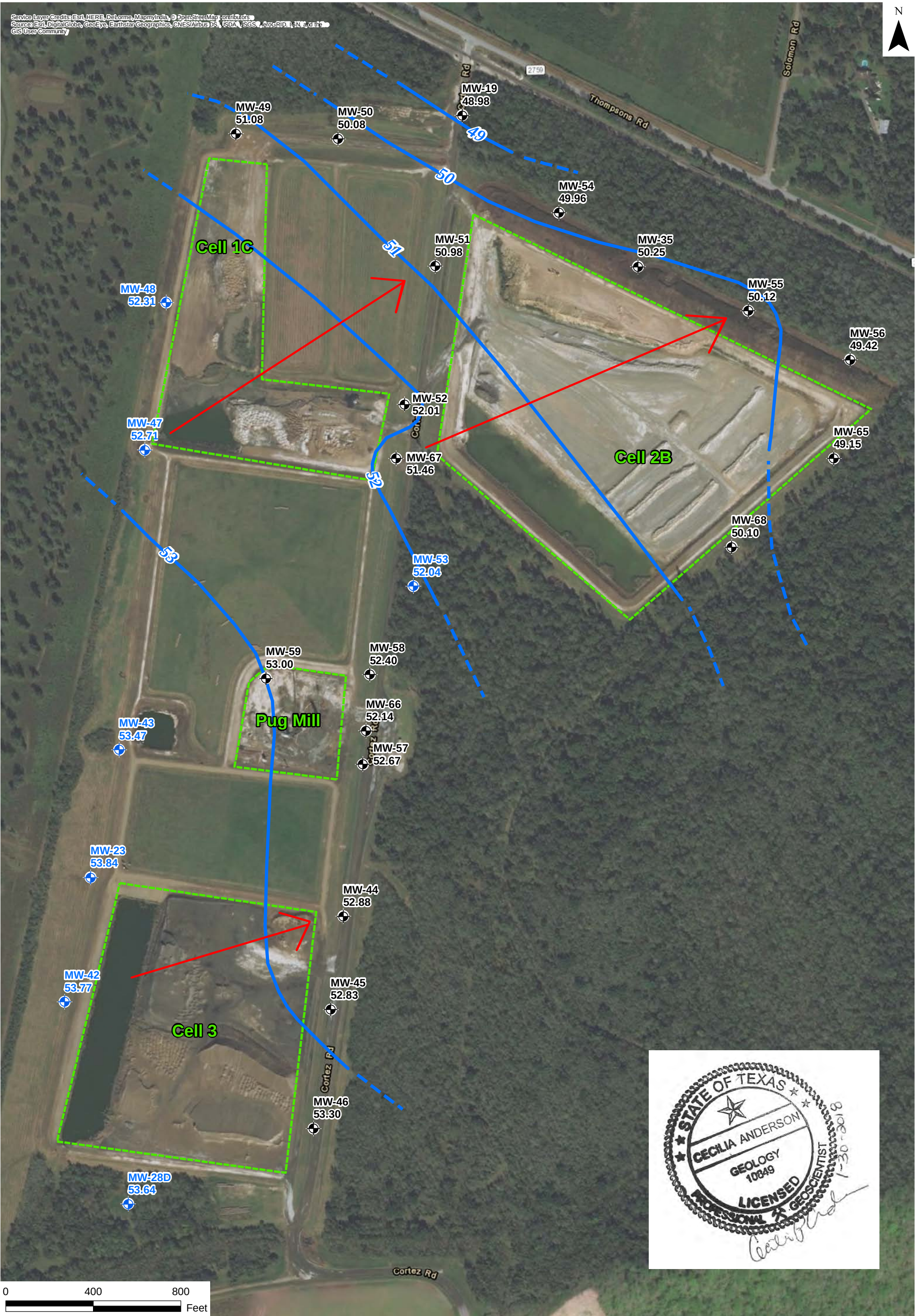
FIGURE 2-1
MONITOR WELL NETWORKS
NRG Texas Power, LLC
W.A. Parish Station
Thompsons, Texas

Legend

- Monitor Well
- Upgradient Monitor Well
- CCR Unit Boundary



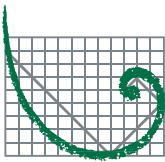
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FIGURE 2-2
POTENTIOMETRIC SURFACE MAP
OCTOBER 9, 2017
NRG Texas Power, LLC
W.A. Parish Station
Thompsons, Texas



ERM

Summary of Analytical Data
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-001-20171010-01	MW-47	FD	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	82.3	mg/L			Y	0.957	5.00	5.00
DUP-001-20171010-01	MW-47	FD	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	357	mg/L			Y	0.534	4.00	4.00
DUP-001-20171010-01	MW-47	FD	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.791	mg/L	J	J	Y	0.601	2.00	2.00
DUP-001-20171010-01	MW-47	FD	10/10/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1070	mg/L			Y	20.0	20.0	20.0
DUP-001-20171010-01	MW-47	FD	10/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.269	mg/L			Y	0.0700	0.100	0.100
DUP-001-20171010-01	MW-47	FD	10/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	117	mg/L		J	Y	0.198	0.500	0.500
DUP-002-20171009-01	MW-19	FD	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	438	mg/L			Y	9.57	50.0	50.0
DUP-002-20171009-01	MW-19	FD	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	523	mg/L			Y	5.34	40.0	40.0
DUP-002-20171009-01	MW-19	FD	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
DUP-002-20171009-01	MW-19	FD	10/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1900	mg/L			Y	20.0	20.0	20.0
DUP-002-20171009-01	MW-19	FD	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.84	mg/L			Y	0.0700	0.100	0.100
DUP-002-20171009-01	MW-19	FD	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	286	mg/L		J	Y	0.198	0.500	0.500
DUP01-101216	MW-19	FD	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	367	mg/L			Y	9.57	50.0	50.0
DUP01-101216	MW-19	FD	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	474	mg/L			Y	5.34	40.0	40.0
DUP01-101216	MW-19	FD	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.541	mg/L			Y	0.120	0.400	0.400
DUP01-101216	MW-19	FD	10/12/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1790	mg/L			Y	20.0	20.0	20.0
DUP01-101216	MW-19	FD	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.39	mg/L			Y	0.0700	0.100	0.100
DUP01-101216	MW-19	FD	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	220	mg/L			Y	0.198	0.500	0.500
DUP-030917	MW-52	FD	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	511	mg/L		J	Y	9.57	50.0	50.0
DUP-030917	MW-52	FD	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	668	mg/L	b		Y	5.34	40.0	40.0
DUP-030917	MW-52	FD	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.32	mg/L			Y	0.301	1.00	1.00
DUP-030917	MW-52	FD	3/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2500	mg/L		JL	Y	20.0	20.0	20.0
DUP-030917	MW-52	FD	3/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.462	mg/L			Y	0.0700	0.100	0.100
DUP-030917	MW-52	FD	3/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	310	mg/L			Y	0.198	0.500	0.500
DUP-051617-MH	MW-48	FD	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	112	mg/L			Y	0.957	5.00	5.00
DUP-051617-MH	MW-48	FD	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	399	mg/L			Y	5.34	40.0	40.0
DUP-051617-MH	MW-48	FD	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.5	mg/L			Y	0.301	1.00	1.00
DUP-051617-MH	MW-48	FD	5/16/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1330	mg/L			Y	20.0	20.0	20.0
DUP-051617-MH	MW-48	FD	5/16/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.59	mg/L			Y	0.0700	0.100	0.100
DUP-051617-MH	MW-48	FD	5/16/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	70	mg/L			Y	0.198	0.500	0.500
DUP-071817-PM	MW-19	FD	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	373	mg/L		JH	Y	9.57	50.0	50.0
DUP-071817-PM	MW-19	FD	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	608	mg/L			Y	5.34	40.0	40.0
DUP-071817-PM	MW-19	FD	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.657	mg/L	J	J	Y	0.301	1.00	1.00
DUP-071817-PM	MW-19	FD	7/18/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2060	mg/L			Y	20.0	20.0	20.0
DUP-071817-PM	MW-19	FD	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.12	mg/L			Y	0.0700	0.100	0.100
DUP-071817-PM	MW-19	FD	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	274	mg/L	b	JH	Y	0.198	0.500	0.500
DUP-083116	MW-51	FD	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	183	mg/L			Y	2.39	12.5	12.5
DUP-083116	MW-51	FD	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	288	mg/L		J	Y	1.34	10.0	10.0
DUP-083116	MW-51	FD	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.377	mg/L	J	J	Y	0.120	0.400	0.400
DUP-083116	MW-51	FD	8/31/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	926	mg/L		J	Y	20.0	20.0	20.0
DUP-083116	MW-51	FD	8/31/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.1	mg/L	U	U	N	0.0700	0.100	0.100
DUP-083116	MW-51	FD	8/31/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	0.5	mg/L	U	U	N	0.198	0.500	0.500
DUP1070816	MW-19	FD	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	719	mg/L			Y	4.79	25.0	25.0
DUP1070816	MW-19	FD	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	448	mg/L			Y	2.67	20.0	20.0
DUP1070816	MW-19	FD	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.417	mg/L			Y	0.0601	0.200	0.200
DUP1070816	MW-19	FD	7/8/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1880	mg/L			Y	20.0	20.0	20.0
DUP1070816	MW-19	FD	7/8/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	2.12	mg/L			Y	0.0700	0.100	0.100
DUP1070816	MW-19	FD	7/8/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	205	mg/L			Y	0.198	0.500	0.500
DUP-MH-010917	MW-67	FD	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	95.6	mg/L			Y	1.91	10.0	10.0
DUP-MH-010917	MW-67	FD	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	225	mg/L			Y	1.07	8.00	8.00
DUP-MH-010917	MW-67	FD	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.27	mg/L			Y	1.20	4.00	4.00
DUP-MH-010917	MW-67	FD	1/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	810	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
DUP-MH-010917	MW-67	FD	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.267	mg/L			Y	0.0700	0.100	0.100
DUP-MH-010917	MW-67	FD	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	89.4	mg/L	^		Y	0.198	0.500	0.500
MW-19-20160708-01	MW-19	N	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	691	mg/L			Y	4.79	25.0	25.0
MW-19-20160708-01	MW-19	N	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	433	mg/L			Y	2.67	20.0	20.0
MW-19-20160708-01	MW-19	N	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.384	mg/L			Y	0.0601	0.200	0.200
MW-19-20160708-01	MW-19	N	7/8/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1940	mg/L			Y	20.0	20.0	20.0
MW-19-20160708-01	MW-19	N	7/8/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	2.15	mg/L			Y	0.0700	0.100	0.100
MW-19-20160708-01	MW-19	N	7/8/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	206	mg/L			Y	0.198	0.500	0.500
MW-19-20160708-02	MW-19	N	7/8/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.37	pH units			Y			
MW-19-20160830-01	MW-19	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	445	mg/L			Y	9.57	50.0	50.0
MW-19-20160830-01	MW-19	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	452	mg/L			Y	5.34	40.0	40.0
MW-19-20160830-01	MW-19	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.321	mg/L	J	J	Y	0.120	0.400	0.400
MW-19-20160830-01	MW-19	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1910	mg/L			Y	20.0	20.0	20.0
MW-19-20160830-01	MW-19	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.77	mg/L			Y	0.0700	0.100	0.100
MW-19-20160830-01	MW-19	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	202	mg/L			Y	0.198	0.500	0.500
MW-19-20160830-02	MW-19	N	8/30/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.31	pH units			Y			
MW-19-20161012-01	MW-19	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	372	mg/L			Y	9.57	50.0	50.0
MW-19-20161012-01	MW-19	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	474	mg/L			Y	5.34	40.0	40.0
MW-19-20161012-01	MW-19	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.631	mg/L			Y	0.120	0.400	0.400
MW-19-20161012-01	MW-19	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1680	mg/L			Y	20.0	20.0	20.0
MW-19-20161012-01	MW-19	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.46	mg/L			Y	0.0700	0.100	0.100
MW-19-20161012-01	MW-19	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	224	mg/L			Y	0.198	0.500	0.500
MW-19-20161012-02	MW-19	N	10/12/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.48	pH units			Y			
MW-19-20161129-01	MW-19	N	11/29/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	324	mg/L			Y	4.79	25.0	25.0
MW-19-20161129-01	MW-19	N	11/29/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	432	mg/L			Y	2.67	20.0	20.0
MW-19-20161129-01	MW-19	N	11/29/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.702	mg/L			Y	0.120	0.400	0.400
MW-19-20161129-01	MW-19	N	11/29/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1520	mg/L			Y	20.0	20.0	20.0
MW-19-20161129-01	MW-19	N	11/29/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.28	mg/L			Y	0.0700	0.100	0.100
MW-19-20161129-01	MW-19	N	11/29/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	200	mg/L			Y	0.198	0.500	0.500
MW-19-20161129-02	MW-19	N	11/29/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.25	pH units			Y			
MW-19-20170109-01	MW-19	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	326	mg/L			Y	1.91	10.0	10.0
MW-19-20170109-01	MW-19	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	415	mg/L			Y	1.07	8.00	8.00
MW-19-20170109-01	MW-19	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.29	mg/L			Y	1.20	4.00	4.00
MW-19-20170109-01	MW-19	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1430	mg/L			Y	20.0	20.0	20.0
MW-19-20170109-01	MW-19	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.19	mg/L			Y	0.0700	0.100	0.100
MW-19-20170109-01	MW-19	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	190	mg/L	^		Y	0.198	0.500	0.500
MW-19-20170109-02	MW-19	N	1/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.15	pH units			Y			
MW-19-20170308-01	MW-19	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	500	mg/L			Y	9.57	50.0	50.0
MW-19-20170308-01	MW-19	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	462	mg/L			Y	5.34	40.0	40.0
MW-19-20170308-01	MW-19	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.47	mg/L			Y	0.301	1.00	1.00
MW-19-20170308-01	MW-19	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1690	mg/L			Y	20.0	20.0	20.0
MW-19-20170308-01	MW-19	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.59	mg/L			Y	0.0700	0.100	0.100
MW-19-20170308-01	MW-19	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	250	mg/L			Y	0.198	0.500	0.500
MW-19-20170308-02	MW-19	N	3/8/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.24	pH units			Y			
MW-19-20170516-01	MW-19	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	1960	mg/L			Y	4.79	25.0	25.0
MW-19-20170516-01	MW-19	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	546	mg/L			Y	5.34	40.0	40.0
MW-19-20170516-01	MW-19	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.827	mg/L	J	J	Y	0.301	1.00	1.00
MW-19-20170516-01	MW-19	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1950	mg/L			Y	20.0	20.0	20.0
MW-19-20170516-01	MW-19	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.988	mg/L			Y	0.0700	0.100	0.100
MW-19-20170516-01	MW-19	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	217	mg/L			Y	0.198	0.500	0.500
MW-19-20170516-02	MW-19	N	5/16/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.28	pH units			Y			
MW-19-20170718-01	MW-19	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	347	mg/L		JH	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-19-20170718-01	MW-19	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	555	mg/L			Y	5.34	40.0	40.0
MW-19-20170718-01	MW-19	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.677	mg/L	J	J	Y	0.301	1.00	1.00
MW-19-20170718-01	MW-19	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1970	mg/L			Y	20.0	20.0	20.0
MW-19-20170718-01	MW-19	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.17	mg/L			Y	0.0700	0.100	0.100
MW-19-20170718-01	MW-19	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	280	mg/L	b	JH	Y	0.198	0.500	0.500
MW-19-20170718-02	MW-19	N	7/18/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.31	pH units			Y			
MW-19-20171009-01	MW-19	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	483	mg/L			Y	9.57	50.0	50.0
MW-19-20171009-01	MW-19	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	511	mg/L			Y	5.34	40.0	40.0
MW-19-20171009-01	MW-19	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.528	mg/L	J	J	Y	0.301	1.00	1.00
MW-19-20171009-01	MW-19	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1890	mg/L			Y	20.0	20.0	20.0
MW-19-20171009-01	MW-19	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.93	mg/L			Y	0.0700	0.100	0.100
MW-19-20171009-01	MW-19	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	285	mg/L		J	Y	0.198	0.500	0.500
MW-19-20171009-02	MW-19	N	10/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.42	pH units			Y			
MW-47-20160707-01	MW-47	N	7/7/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	220	mg/L			Y	4.79	25.0	25.0
MW-47-20160707-01	MW-47	N	7/7/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	273	mg/L			Y	2.67	20.0	20.0
MW-47-20160707-01	MW-47	N	7/7/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.568	mg/L			Y	0.0601	0.200	0.200
MW-47-20160707-01	MW-47	N	7/7/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1230	mg/L			Y	20.0	20.0	20.0
MW-47-20160707-01	MW-47	N	7/7/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.644	mg/L			Y	0.0700	0.100	0.100
MW-47-20160707-01	MW-47	N	7/7/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	112	mg/L			Y	0.198	0.500	0.500
MW-47-20160707-02	MW-47	N	7/7/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-47-20160830-01	MW-47	N	8/30/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	90.2	mg/L			Y	4.79	25.0	25.0
MW-47-20160830-01	MW-47	N	8/30/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	308	mg/L			Y	2.67	20.0	20.0
MW-47-20160830-01	MW-47	N	8/30/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.408	mg/L			Y	0.120	0.400	0.400
MW-47-20160830-01	MW-47	N	8/30/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1150	mg/L			Y	20.0	20.0	20.0
MW-47-20160830-01	MW-47	N	8/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.281	mg/L			Y	0.0700	0.100	0.100
MW-47-20160830-01	MW-47	N	8/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	107	mg/L			Y	0.198	0.500	0.500
MW-47-20160830-02	MW-47	N	8/30/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.11	pH units			Y			
MW-47-20161011-01	MW-47	N	10/11/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	89.2	mg/L			Y	9.57	50.0	50.0
MW-47-20161011-01	MW-47	N	10/11/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	324	mg/L			Y	5.34	40.0	40.0
MW-47-20161011-01	MW-47	N	10/11/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.522	mg/L			Y	0.120	0.400	0.400
MW-47-20161011-01	MW-47	N	10/11/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1930	mg/L			Y	20.0	20.0	20.0
MW-47-20161011-01	MW-47	N	10/11/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.24	mg/L			Y	0.0700	0.100	0.100
MW-47-20161011-01	MW-47	N	10/11/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	109	mg/L			Y	0.198	0.500	0.500
MW-47-20161011-02	MW-47	N	10/11/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.04	pH units			Y			
MW-47-20161130-01	MW-47	N	11/30/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	76.7	mg/L		JL	Y	0.479	2.50	2.50
MW-47-20161130-01	MW-47	N	11/30/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	266	mg/L		JL	Y	5.34	40.0	40.0
MW-47-20161130-01	MW-47	N	11/30/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.08	mg/L		JL	Y	0.301	1.00	1.00
MW-47-20161130-01	MW-47	N	11/30/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1010	mg/L			Y	20.0	20.0	20.0
MW-47-20161130-01	MW-47	N	11/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.304	mg/L		JH	Y	0.0700	0.100	0.100
MW-47-20161130-01	MW-47	N	11/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	118	mg/L	b		Y	0.198	0.500	0.500
MW-47-20161130-02	MW-47	N	11/30/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.19	pH units			Y			
MW-47-20170110-01	MW-47	N	1/10/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	87.4	mg/L			Y	1.91	10.0	10.0
MW-47-20170110-01	MW-47	N	1/10/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	292	mg/L			Y	1.07	8.00	8.00
MW-47-20170110-01	MW-47	N	1/10/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.32	mg/L			Y	1.20	4.00	4.00
MW-47-20170110-01	MW-47	N	1/10/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	982	mg/L			Y	20.0	20.0	20.0
MW-47-20170110-01	MW-47	N	1/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.256	mg/L			Y	0.0700	0.100	0.100
MW-47-20170110-01	MW-47	N	1/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	101	mg/L	^		Y	0.198	0.500	0.500
MW-47-20170110-02	MW-47	N	1/10/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.18	pH units			Y			
MW-47-20170308-01	MW-47	N	3/8/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	111	mg/L			Y	4.79	25.0	25.0
MW-47-20170308-01	MW-47	N	3/8/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	292	mg/L			Y	2.67	20.0	20.0
MW-47-20170308-01	MW-47	N	3/8/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	10.5	mg/L			Y	3.01	10.0	10.0
MW-47-20170308-01	MW-47	N	3/8/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1070	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-47-20170308-01	MW-47	N	3/8/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.332	mg/L			Y	0.0700	0.100	0.100
MW-47-20170308-01	MW-47	N	3/8/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	120	mg/L			Y	0.198	0.500	0.500
MW-47-20170308-02	MW-47	N	3/8/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.29	pH units			Y			
MW-47-20170516-01	MW-47	N	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	96.5	mg/L			Y	0.957	5.00	5.00
MW-47-20170516-01	MW-47	N	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	282	mg/L			Y	5.34	40.0	40.0
MW-47-20170516-01	MW-47	N	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.699	mg/L			Y	0.120	0.400	0.400
MW-47-20170516-01	MW-47	N	5/16/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1150	mg/L			Y	20.0	20.0	20.0
MW-47-20170516-01	MW-47	N	5/16/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.259	mg/L			Y	0.0700	0.100	0.100
MW-47-20170516-01	MW-47	N	5/16/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	102	mg/L			Y	0.198	0.500	0.500
MW-47-20170516-02	MW-47	N	5/16/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.92	pH units			Y			
MW-47-20170717-01	MW-47	N	7/17/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	77.3	mg/L			Y	4.79	25.0	25.0
MW-47-20170717-01	MW-47	N	7/17/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	273	mg/L			Y	2.67	20.0	20.0
MW-47-20170717-01	MW-47	N	7/17/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.624	mg/L	J	J	Y	0.301	1.00	1.00
MW-47-20170717-01	MW-47	N	7/17/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1100	mg/L			Y	20.0	20.0	20.0
MW-47-20170717-01	MW-47	N	7/17/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.29	mg/L			Y	0.0700	0.100	0.100
MW-47-20170717-01	MW-47	N	7/17/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	114	mg/L			Y	0.198	0.500	0.500
MW-47-20170717-02	MW-47	N	7/17/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-47-20171010-01	MW-47	N	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	87.1	mg/L			Y	0.957	5.00	5.00
MW-47-20171010-01	MW-47	N	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	466	mg/L			Y	1.07	8.00	8.00
MW-47-20171010-01	MW-47	N	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.632	mg/L	J	J	Y	0.601	2.00	2.00
MW-47-20171010-01	MW-47	N	10/10/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1010	mg/L			Y	20.0	20.0	20.0
MW-47-20171010-01	MW-47	N	10/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.267	mg/L			Y	0.0700	0.100	0.100
MW-47-20171010-01	MW-47	N	10/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	113	mg/L		J	Y	0.198	0.500	0.500
MW-47-20171010-02	MW-47	N	10/10/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-48-20160708-01	MW-48	N	7/8/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	331	mg/L			Y	4.79	25.0	25.0
MW-48-20160708-01	MW-48	N	7/8/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	296	mg/L			Y	2.67	20.0	20.0
MW-48-20160708-01	MW-48	N	7/8/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.839	mg/L			Y	0.0601	0.200	0.200
MW-48-20160708-01	MW-48	N	7/8/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1320	mg/L			Y	20.0	20.0	20.0
MW-48-20160708-01	MW-48	N	7/8/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	1.1	mg/L			Y	0.0700	0.100	0.100
MW-48-20160708-01	MW-48	N	7/8/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	91.2	mg/L			Y	0.198	0.500	0.500
MW-48-20160708-02	MW-48	N	7/8/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.23	pH units			Y			
MW-48-20160830-01	MW-48	N	8/30/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	233	mg/L			Y	9.57	50.0	50.0
MW-48-20160830-01	MW-48	N	8/30/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	380	mg/L			Y	5.34	40.0	40.0
MW-48-20160830-01	MW-48	N	8/30/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.575	mg/L			Y	0.120	0.400	0.400
MW-48-20160830-01	MW-48	N	8/30/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1340	mg/L			Y	20.0	20.0	20.0
MW-48-20160830-01	MW-48	N	8/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.825	mg/L			Y	0.0700	0.100	0.100
MW-48-20160830-01	MW-48	N	8/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	82.3	mg/L			Y	0.198	0.500	0.500
MW-48-20160830-02	MW-48	N	8/30/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.22	pH units			Y			
MW-48-20161011-01	MW-48	N	10/11/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	152	mg/L			Y	9.57	50.0	50.0
MW-48-20161011-01	MW-48	N	10/11/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	386	mg/L			Y	5.34	40.0	40.0
MW-48-20161011-01	MW-48	N	10/11/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.777	mg/L			Y	0.120	0.400	0.400
MW-48-20161011-01	MW-48	N	10/11/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1830	mg/L			Y	20.0	20.0	20.0
MW-48-20161011-01	MW-48	N	10/11/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.764	mg/L			Y	0.0700	0.100	0.100
MW-48-20161011-01	MW-48	N	10/11/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	84.7	mg/L			Y	0.198	0.500	0.500
MW-48-20161011-02	MW-48	N	10/11/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.18	pH units			Y			
MW-48-20161130-01	MW-48	N	11/30/2016	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	127	mg/L		JL	Y	0.479	2.50	2.50
MW-48-20161130-01	MW-48	N	11/30/2016	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	335	mg/L		JL	Y	5.34	40.0	40.0
MW-48-20161130-01	MW-48	N	11/30/2016	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.45	mg/L		JL	Y	0.301	1.00	1.00
MW-48-20161130-01	MW-48	N	11/30/2016	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1230	mg/L			Y	20.0	20.0	20.0
MW-48-20161130-01	MW-48	N	11/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.869	mg/L		JH	Y	0.0700	0.100	0.100
MW-48-20161130-01	MW-48	N	11/30/2016	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	87.9	mg/L	b		Y	0.198	0.500	0.500
MW-48-20161130-02	MW-48	N	11/30/2016	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.26	pH units			Y			

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-48-20170110-01	MW-48	N	1/10/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	135	mg/L			Y	1.91	10.0	10.0
MW-48-20170110-01	MW-48	N	1/10/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	359	mg/L			Y	1.07	8.00	8.00
MW-48-20170110-01	MW-48	N	1/10/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.61	mg/L			Y	1.20	4.00	4.00
MW-48-20170110-01	MW-48	N	1/10/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1210	mg/L			Y	20.0	20.0	20.0
MW-48-20170110-01	MW-48	N	1/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.728	mg/L			Y	0.0700	0.100	0.100
MW-48-20170110-01	MW-48	N	1/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	72.7	mg/L	^		Y	0.198	0.500	0.500
MW-48-20170110-02	MW-48	N	1/10/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.31	pH units			Y			
MW-48-20170308-01	MW-48	N	3/8/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	148	mg/L			Y	9.57	50.0	50.0
MW-48-20170308-01	MW-48	N	3/8/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	354	mg/L			Y	5.34	40.0	40.0
MW-48-20170308-01	MW-48	N	3/8/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	20.7	mg/L			Y	6.01	20.0	20.0
MW-48-20170308-01	MW-48	N	3/8/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1200	mg/L			Y	20.0	20.0	20.0
MW-48-20170308-01	MW-48	N	3/8/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.766	mg/L			Y	0.0700	0.100	0.100
MW-48-20170308-01	MW-48	N	3/8/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	84.6	mg/L			Y	0.198	0.500	0.500
MW-48-20170308-02	MW-48	N	3/8/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.28	pH units			Y			
MW-48-20170516-01	MW-48	N	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	111	mg/L			Y	0.957	5.00	5.00
MW-48-20170516-01	MW-48	N	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	336	mg/L			Y	5.34	40.0	40.0
MW-48-20170516-01	MW-48	N	5/16/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.28	mg/L			Y	0.301	1.00	1.00
MW-48-20170516-01	MW-48	N	5/16/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1300	mg/L			Y	20.0	20.0	20.0
MW-48-20170516-01	MW-48	N	5/16/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.614	mg/L			Y	0.0700	0.100	0.100
MW-48-20170516-01	MW-48	N	5/16/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	73.8	mg/L			Y	0.198	0.500	0.500
MW-48-20170516-02	MW-48	N	5/16/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-48-20170717-01	MW-48	N	7/17/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	107	mg/L			Y	9.57	50.0	50.0
MW-48-20170717-01	MW-48	N	7/17/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	333	mg/L			Y	5.34	40.0	40.0
MW-48-20170717-01	MW-48	N	7/17/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.818	mg/L	J	J	Y	0.301	1.00	1.00
MW-48-20170717-01	MW-48	N	7/17/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1260	mg/L			Y	20.0	20.0	20.0
MW-48-20170717-01	MW-48	N	7/17/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.67	mg/L			Y	0.0700	0.100	0.100
MW-48-20170717-01	MW-48	N	7/17/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	77.3	mg/L			Y	0.198	0.500	0.500
MW-48-20170717-02	MW-48	N	7/17/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.15	pH units			Y			
MW-48-20171010-01	MW-48	N	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	14808-79-8	Sulfate	138	mg/L			Y	0.479	2.50	2.50
MW-48-20171010-01	MW-48	N	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	16887-00-6	Chloride	453	mg/L			Y	5.34	40.0	40.0
MW-48-20171010-01	MW-48	N	10/10/2017	Cell 1C	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-48-20171010-01	MW-48	N	10/10/2017	Cell 1C	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1360	mg/L			Y	20.0	20.0	20.0
MW-48-20171010-01	MW-48	N	10/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.641	mg/L			Y	0.0700	0.100	0.100
MW-48-20171010-01	MW-48	N	10/10/2017	Cell 1C	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	77.8	mg/L		J	Y	0.198	0.500	0.500
MW-48-20171010-02	MW-48	N	10/10/2017	Cell 1C	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.17	pH units			Y			
MW-49-20160707-01	MW-49	N	7/7/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	441	mg/L			Y	4.79	25.0	25.0
MW-49-20160707-01	MW-49	N	7/7/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	331	mg/L			Y	2.67	20.0	20.0
MW-49-20160707-01	MW-49	N	7/7/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.648	mg/L			Y	0.0601	0.200	0.200
MW-49-20160707-01	MW-49	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1700	mg/L			Y	20.0	20.0	20.0
MW-49-20160707-01	MW-49	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.32	mg/L			Y	0.0700	0.100	0.100
MW-49-20160707-01	MW-49	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	149	mg/L			Y	0.198	0.500	0.500
MW-49-20160707-02	MW-49	N	7/7/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.58	pH units			Y			
MW-49-20160830-01	MW-49	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	328	mg/L			Y	9.57	50.0	50.0
MW-49-20160830-01	MW-49	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	312	mg/L			Y	5.34	40.0	40.0
MW-49-20160830-01	MW-49	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.395	mg/L	J	J	Y	0.120	0.400	0.400
MW-49-20160830-01	MW-49	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1150	mg/L			Y	20.0	20.0	20.0
MW-49-20160830-01	MW-49	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.743	mg/L			Y	0.0700	0.100	0.100
MW-49-20160830-01	MW-49	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	169	mg/L			Y	0.198	0.500	0.500
MW-49-20160830-02	MW-49	N	8/30/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	12.09	pH units			Y			
MW-49-20161011-01	MW-49	N	10/11/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	151	mg/L			Y	9.57	50.0	50.0
MW-49-20161011-01	MW-49	N	10/11/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	412	mg/L			Y	5.34	40.0	40.0
MW-49-20161011-01	MW-49	N	10/11/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.55	mg/L			Y	0.120	0.400	0.400

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-49-20161011-01	MW-49	N	10/11/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2720	mg/L			Y	20.0	20.0	20.0
MW-49-20161011-01	MW-49	N	10/11/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.513	mg/L			Y	0.0700	0.100	0.100
MW-49-20161011-01	MW-49	N	10/11/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	104	mg/L			Y	0.198	0.500	0.500
MW-49-20161011-02	MW-49	N	10/11/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.39	pH units			Y			
MW-49-20161130-01	MW-49	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	136	mg/L		JL	Y	0.479	2.50	2.50
MW-49-20161130-01	MW-49	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	335	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-49-20161130-01	MW-49	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.11	mg/L		JL	Y	0.301	1.00	1.00
MW-49-20161130-01	MW-49	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1290	mg/L			Y	20.0	20.0	20.0
MW-49-20161130-01	MW-49	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.662	mg/L		JH	Y	0.0700	0.100	0.100
MW-49-20161130-01	MW-49	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	128	mg/L	b		Y	0.198	0.500	0.500
MW-49-20161130-02	MW-49	N	11/30/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.48	pH units			Y			
MW-49-20170110-01	MW-49	N	1/10/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	154	mg/L			Y	1.91	10.0	10.0
MW-49-20170110-01	MW-49	N	1/10/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	390	mg/L			Y	1.07	8.00	8.00
MW-49-20170110-01	MW-49	N	1/10/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.39	mg/L			Y	1.20	4.00	4.00
MW-49-20170110-01	MW-49	N	1/10/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1300	mg/L			Y	20.0	20.0	20.0
MW-49-20170110-01	MW-49	N	1/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.458	mg/L			Y	0.0700	0.100	0.100
MW-49-20170110-01	MW-49	N	1/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	120	mg/L	^		Y	0.198	0.500	0.500
MW-49-20170110-02	MW-49	N	1/10/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.42	pH units			Y			
MW-49-20170308-01	MW-49	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	138	mg/L			Y	9.57	50.0	50.0
MW-49-20170308-01	MW-49	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	394	mg/L			Y	5.34	40.0	40.0
MW-49-20170308-01	MW-49	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.86	mg/L			Y	0.301	1.00	1.00
MW-49-20170308-01	MW-49	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1230	mg/L			Y	20.0	20.0	20.0
MW-49-20170308-01	MW-49	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.529	mg/L			Y	0.0700	0.100	0.100
MW-49-20170308-01	MW-49	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	145	mg/L			Y	0.198	0.500	0.500
MW-49-20170308-02	MW-49	N	3/8/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.33	pH units			Y			
MW-49-20170515-01	MW-49	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	207	mg/L			Y	9.57	50.0	50.0
MW-49-20170515-01	MW-49	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	391	mg/L			Y	5.34	40.0	40.0
MW-49-20170515-01	MW-49	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.915	mg/L		JH	Y	0.120	0.400	0.400
MW-49-20170515-01	MW-49	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1470	mg/L			Y	20.0	20.0	20.0
MW-49-20170515-01	MW-49	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.366	mg/L			Y	0.0700	0.100	0.100
MW-49-20170515-01	MW-49	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	122	mg/L			Y	0.198	0.500	0.500
MW-49-20170515-02	MW-49	N	5/15/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.27	pH units			Y			
MW-49-20170717-01	MW-49	N	7/17/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	96.5	mg/L			Y	9.57	50.0	50.0
MW-49-20170717-01	MW-49	N	7/17/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	369	mg/L			Y	5.34	40.0	40.0
MW-49-20170717-01	MW-49	N	7/17/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.801	mg/L	J	J	Y	0.301	1.00	1.00
MW-49-20170717-01	MW-49	N	7/17/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1340	mg/L			Y	20.0	20.0	20.0
MW-49-20170717-01	MW-49	N	7/17/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.388	mg/L			Y	0.0700	0.100	0.100
MW-49-20170717-01	MW-49	N	7/17/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	136	mg/L			Y	0.198	0.500	0.500
MW-49-20170717-02	MW-49	N	7/17/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.07	pH units			Y			
MW-49-20171009-01	MW-49	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	115	mg/L			Y	9.57	50.0	50.0
MW-49-20171009-01	MW-49	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	420	mg/L			Y	5.34	40.0	40.0
MW-49-20171009-01	MW-49	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-49-20171009-01	MW-49	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1350	mg/L			Y	20.0	20.0	20.0
MW-49-20171009-01	MW-49	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.409	mg/L			Y	0.0700	0.100	0.100
MW-49-20171009-01	MW-49	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	147	mg/L		J	Y	0.198	0.500	0.500
MW-49-20171009-02	MW-49	N	10/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.99	pH units			Y			
MW-50-20160707-01	MW-50	N	7/7/2016	Cell 1C	Dilution	Downgradient	N	E300	14808-79-8	Sulfate	130	mg/L			Y	1.00	10.0	10.0
MW-50-20160707-01	MW-50	N	7/7/2016	Cell 1C	DILUTION	Downgradient	N	E300	16887-00-6	Chloride	455	mg/L			Y	4.00	40.0	40.0
MW-50-20160707-01	MW-50	N	7/7/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.33	mg/L			Y	0.0100	0.100	0.100
MW-50-20160707-01	MW-50	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1340	mg/L			Y	6.99	10.0	10.0
MW-50-20160707-01	MW-50	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.383	mg/L			Y	0.0700	0.100	0.100
MW-50-20160707-01	MW-50	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	142	mg/L			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-50-20160707-02	MW-50	N	7/7/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-50-20160830-01	MW-50	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	108	mg/L			Y	4.79	25.0	25.0
MW-50-20160830-01	MW-50	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	398	mg/L			Y	2.67	20.0	20.0
MW-50-20160830-01	MW-50	N	8/30/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.399	mg/L	J	J	Y	0.120	0.400	0.400
MW-50-20160830-01	MW-50	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1280	mg/L			Y	20.0	20.0	20.0
MW-50-20160830-01	MW-50	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.281	mg/L			Y	0.0700	0.100	0.100
MW-50-20160830-01	MW-50	N	8/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	122	mg/L			Y	0.198	0.500	0.500
MW-50-20160830-02	MW-50	N	8/30/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.07	pH units			Y			
MW-50-20161012-01	MW-50	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	106	mg/L			Y	4.79	25.0	25.0
MW-50-20161012-01	MW-50	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	363	mg/L			Y	2.67	20.0	20.0
MW-50-20161012-01	MW-50	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.608	mg/L			Y	0.120	0.400	0.400
MW-50-20161012-01	MW-50	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1180	mg/L			Y	20.0	20.0	20.0
MW-50-20161012-01	MW-50	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.244	mg/L			Y	0.0700	0.100	0.100
MW-50-20161012-01	MW-50	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	123	mg/L			Y	0.198	0.500	0.500
MW-50-20161012-02	MW-50	N	10/12/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.13	pH units			Y			
MW-50-20161130-01	MW-50	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	124	mg/L	H	JL	Y	1.91	10.0	10.0
MW-50-20161130-01	MW-50	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	341	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-50-20161130-01	MW-50	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.558	mg/L	H	JL	Y	0.0601	0.200	0.200
MW-50-20161130-01	MW-50	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1180	mg/L			Y	20.0	20.0	20.0
MW-50-20161130-01	MW-50	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.314	mg/L		JH	Y	0.0700	0.100	0.100
MW-50-20161130-01	MW-50	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	135	mg/L	b		Y	0.198	0.500	0.500
MW-50-20161130-02	MW-50	N	11/30/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-50-20170110-01	MW-50	N	1/10/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	114	mg/L			Y	1.91	10.0	10.0
MW-50-20170110-01	MW-50	N	1/10/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	356	mg/L			Y	1.07	8.00	8.00
MW-50-20170110-01	MW-50	N	1/10/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.36	mg/L			Y	1.20	4.00	4.00
MW-50-20170110-01	MW-50	N	1/10/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1210	mg/L			Y	20.0	20.0	20.0
MW-50-20170110-01	MW-50	N	1/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.273	mg/L			Y	0.0700	0.100	0.100
MW-50-20170110-01	MW-50	N	1/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	115	mg/L	^		Y	0.198	0.500	0.500
MW-50-20170110-02	MW-50	N	1/10/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-50-20170308-01	MW-50	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	105	mg/L			Y	9.57	50.0	50.0
MW-50-20170308-01	MW-50	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	361	mg/L			Y	5.34	40.0	40.0
MW-50-20170308-01	MW-50	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.52	mg/L			Y	0.301	1.00	1.00
MW-50-20170308-01	MW-50	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1200	mg/L			Y	20.0	20.0	20.0
MW-50-20170308-01	MW-50	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.315	mg/L			Y	0.0700	0.100	0.100
MW-50-20170308-01	MW-50	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	139	mg/L			Y	0.198	0.500	0.500
MW-50-20170308-02	MW-50	N	3/8/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-50-20170515-01	MW-50	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	95.7	mg/L			Y	9.57	50.0	50.0
MW-50-20170515-01	MW-50	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	356	mg/L			Y	5.34	40.0	40.0
MW-50-20170515-01	MW-50	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.467	mg/L		JH	Y	0.120	0.400	0.400
MW-50-20170515-01	MW-50	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1250	mg/L			Y	20.0	20.0	20.0
MW-50-20170515-01	MW-50	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.239	mg/L			Y	0.0700	0.100	0.100
MW-50-20170515-01	MW-50	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	117	mg/L			Y	0.198	0.500	0.500
MW-50-20170515-02	MW-50	N	5/15/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.98	pH units			Y			
MW-50-20170717-01	MW-50	N	7/17/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	153	mg/L			Y	4.79	25.0	25.0
MW-50-20170717-01	MW-50	N	7/17/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	493	mg/L			Y	2.67	20.0	20.0
MW-50-20170717-01	MW-50	N	7/17/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.686	mg/L	J	J	Y	0.301	1.00	1.00
MW-50-20170717-01	MW-50	N	7/17/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1210	mg/L			Y	20.0	20.0	20.0
MW-50-20170717-01	MW-50	N	7/17/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.276	mg/L			Y	0.0700	0.100	0.100
MW-50-20170717-01	MW-50	N	7/17/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	133	mg/L			Y	0.198	0.500	0.500
MW-50-20170717-02	MW-50	N	7/17/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-50-20171009-01	MW-50	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	120	mg/L			Y	9.57	50.0	50.0
MW-50-20171009-01	MW-50	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	324	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-50-20171009-01	MW-50	N	10/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-50-20171009-01	MW-50	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1160	mg/L			Y	20.0	20.0	20.0
MW-50-20171009-01	MW-50	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.259	mg/L			Y	0.0700	0.100	0.100
MW-50-20171009-01	MW-50	N	10/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	134	mg/L		J	Y	0.198	0.500	0.500
MW-50-20171009-02	MW-50	N	10/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.1	pH units			Y			
MW-51-20160708-01	MW-51	N	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	221	mg/L			Y	4.79	25.0	25.0
MW-51-20160708-01	MW-51	N	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	274	mg/L			Y	2.67	20.0	20.0
MW-51-20160708-01	MW-51	N	7/8/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.58	mg/L			Y	0.0601	0.200	0.200
MW-51-20160708-01	MW-51	N	7/8/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1160	mg/L			Y	20.0	20.0	20.0
MW-51-20160708-01	MW-51	N	7/8/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.291	mg/L			Y	0.0700	0.100	0.100
MW-51-20160708-01	MW-51	N	7/8/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	111	mg/L			Y	0.198	0.500	0.500
MW-51-20160708-02	MW-51	N	7/8/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.8	pH units			Y			
MW-51-20160831-01	MW-51	N	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	144	mg/L			Y	4.79	25.0	25.0
MW-51-20160831-01	MW-51	N	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	201	mg/L		J	Y	2.67	20.0	20.0
MW-51-20160831-01	MW-51	N	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.245	mg/L		J	Y	0.0601	0.200	0.200
MW-51-20160831-01	MW-51	N	8/31/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1530	mg/L		J	Y	20.0	20.0	20.0
MW-51-20160831-01	MW-51	N	8/31/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.275	mg/L		JH	Y	0.0700	0.100	0.100
MW-51-20160831-01	MW-51	N	8/31/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	110	mg/L		JH	Y	0.198	0.500	0.500
MW-51-20160831-02	MW-51	N	8/31/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	10.87	pH units			Y			
MW-51-20161012-01	MW-51	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	171	mg/L			Y	4.79	25.0	25.0
MW-51-20161012-01	MW-51	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	278	mg/L			Y	2.67	20.0	20.0
MW-51-20161012-01	MW-51	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.691	mg/L			Y	0.0601	0.200	0.200
MW-51-20161012-01	MW-51	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1230	mg/L			Y	20.0	20.0	20.0
MW-51-20161012-01	MW-51	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.244	mg/L			Y	0.0700	0.100	0.100
MW-51-20161012-01	MW-51	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	113	mg/L			Y	0.198	0.500	0.500
MW-51-20161012-02	MW-51	N	10/12/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-51-20161129-01	MW-51	N	11/29/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	143	mg/L			Y	9.57	50.0	50.0
MW-51-20161129-01	MW-51	N	11/29/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	275	mg/L			Y	5.34	40.0	40.0
MW-51-20161129-01	MW-51	N	11/29/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.753	mg/L			Y	0.120	0.400	0.400
MW-51-20161129-01	MW-51	N	11/29/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	984	mg/L			Y	20.0	20.0	20.0
MW-51-20161129-01	MW-51	N	11/29/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.276	mg/L			Y	0.0700	0.100	0.100
MW-51-20161129-01	MW-51	N	11/29/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	111	mg/L			Y	0.198	0.500	0.500
MW-51-20161129-02	MW-51	N	11/29/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-51-20170109-01	MW-51	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	191	mg/L			Y	1.91	10.0	10.0
MW-51-20170109-01	MW-51	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	265	mg/L			Y	1.07	8.00	8.00
MW-51-20170109-01	MW-51	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.31	mg/L			Y	1.20	4.00	4.00
MW-51-20170109-01	MW-51	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1090	mg/L			Y	20.0	20.0	20.0
MW-51-20170109-01	MW-51	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.267	mg/L			Y	0.0700	0.100	0.100
MW-51-20170109-01	MW-51	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	99.7	mg/L	^		Y	0.198	0.500	0.500
MW-51-20170109-02	MW-51	N	1/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	9.42	pH units			Y			
MW-51-20170308-01	MW-51	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	204	mg/L			Y	4.79	25.0	25.0
MW-51-20170308-01	MW-51	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	262	mg/L			Y	2.67	20.0	20.0
MW-51-20170308-01	MW-51	N	3/8/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	10.5	mg/L			Y	3.01	10.0	10.0
MW-51-20170308-01	MW-51	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1140	mg/L			Y	20.0	20.0	20.0
MW-51-20170308-01	MW-51	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.323	mg/L			Y	0.0700	0.100	0.100
MW-51-20170308-01	MW-51	N	3/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	126	mg/L			Y	0.198	0.500	0.500
MW-51-20170308-02	MW-51	N	3/8/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.2	pH units			Y			
MW-51-20170515-01	MW-51	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	183	mg/L			Y	4.79	25.0	25.0
MW-51-20170515-01	MW-51	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	242	mg/L			Y	2.67	20.0	20.0
MW-51-20170515-01	MW-51	N	5/15/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.868	mg/L		JH	Y	0.120	0.400	0.400
MW-51-20170515-01	MW-51	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1280	mg/L			Y	20.0	20.0	20.0
MW-51-20170515-01	MW-51	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.241	mg/L			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-51-20170515-01	MW-51	N	5/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	103	mg/L			Y	0.198	0.500	0.500
MW-51-20170515-02	MW-51	N	5/15/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.06	pH units			Y			
MW-51-20170718-01	MW-51	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	146	mg/L		JH	Y	4.79	25.0	25.0
MW-51-20170718-01	MW-51	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	233	mg/L			Y	2.67	20.0	20.0
MW-51-20170718-01	MW-51	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.709	mg/L	J	J	Y	0.301	1.00	1.00
MW-51-20170718-01	MW-51	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1040	mg/L			Y	20.0	20.0	20.0
MW-51-20170718-01	MW-51	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.29	mg/L			Y	0.0700	0.100	0.100
MW-51-20170718-01	MW-51	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	115	mg/L	b	JH	Y	0.198	0.500	0.500
MW-51-20170718-02	MW-51	N	7/18/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	9.75	pH units			Y			
MW-51-20171010-01	MW-51	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	11.3	mg/L			Y	0.479	2.50	2.50
MW-51-20171010-01	MW-51	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	65.3	mg/L			Y	1.34	10.0	10.0
MW-51-20171010-01	MW-51	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-51-20171010-01	MW-51	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	253	mg/L			Y	10.0	10.0	10.0
MW-51-20171010-01	MW-51	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.1	mg/L	U	U	N	0.0700	0.100	0.100
MW-51-20171010-01	MW-51	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	31.5	mg/L		J	Y	0.198	0.500	0.500
MW-51-20171010-02	MW-51	N	10/10/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.03	pH units			Y			
MW-52-20160707-01	MW-52	N	7/7/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	652	mg/L			Y	4.79	25.0	25.0
MW-52-20160707-01	MW-52	N	7/7/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	586	mg/L			Y	2.67	20.0	20.0
MW-52-20160707-01	MW-52	N	7/7/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.618	mg/L			Y	0.120	0.400	0.400
MW-52-20160707-01	MW-52	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2110	mg/L			Y	20.0	20.0	20.0
MW-52-20160707-01	MW-52	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.954	mg/L			Y	0.0700	0.100	0.100
MW-52-20160707-01	MW-52	N	7/7/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	239	mg/L			Y	0.198	0.500	0.500
MW-52-20160707-02	MW-52	N	7/7/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-52-20160831-01	MW-52	N	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	745	mg/L			Y	9.57	50.0	50.0
MW-52-20160831-01	MW-52	N	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	687	mg/L			Y	5.34	40.0	40.0
MW-52-20160831-01	MW-52	N	8/31/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.472	mg/L	J	J	Y	0.301	1.00	1.00
MW-52-20160831-01	MW-52	N	8/31/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2740	mg/L			Y	20.0	20.0	20.0
MW-52-20160831-01	MW-52	N	8/31/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.696	mg/L		JH	Y	0.0700	0.100	0.100
MW-52-20160831-01	MW-52	N	8/31/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	323	mg/L		JH	Y	0.198	0.500	0.500
MW-52-20160831-02	MW-52	N	8/31/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.06	pH units			Y			
MW-52-20161012-01	MW-52	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	502	mg/L			Y	9.57	50.0	50.0
MW-52-20161012-01	MW-52	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	691	mg/L			Y	5.34	40.0	40.0
MW-52-20161012-01	MW-52	N	10/12/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.762	mg/L			Y	0.120	0.400	0.400
MW-52-20161012-01	MW-52	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2540	mg/L			Y	20.0	20.0	20.0
MW-52-20161012-01	MW-52	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.624	mg/L			Y	0.0700	0.100	0.100
MW-52-20161012-01	MW-52	N	10/12/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	278	mg/L			Y	0.198	0.500	0.500
MW-52-20161012-02	MW-52	N	10/12/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.07	pH units			Y			
MW-52-20161130-01	MW-52	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	479	mg/L	H	JL	Y	1.91	10.0	10.0
MW-52-20161130-01	MW-52	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	572	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-52-20161130-01	MW-52	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.955	mg/L	JH	JL	Y	0.301	1.00	1.00
MW-52-20161130-01	MW-52	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2320	mg/L			Y	20.0	20.0	20.0
MW-52-20161130-01	MW-52	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.64	mg/L		JH	Y	0.0700	0.100	0.100
MW-52-20161130-01	MW-52	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	296	mg/L	b		Y	0.198	0.500	0.500
MW-52-20161130-02	MW-52	N	11/30/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.03	pH units			Y			
MW-52-20170109-01	MW-52	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	534	mg/L			Y	1.91	10.0	10.0
MW-52-20170109-01	MW-52	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	673	mg/L			Y	1.07	8.00	8.00
MW-52-20170109-01	MW-52	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.4	mg/L			Y	1.20	4.00	4.00
MW-52-20170109-01	MW-52	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2140	mg/L			Y	20.0	20.0	20.0
MW-52-20170109-01	MW-52	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.517	mg/L			Y	0.0700	0.100	0.100
MW-52-20170109-01	MW-52	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	256	mg/L	^		Y	0.198	0.500	0.500
MW-52-20170109-02	MW-52	N	1/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7	pH units			Y			
MW-52-20170309-01	MW-52	N	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	976	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-52-20170309-01	MW-52	N	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	687	mg/L			Y	5.34	40.0	40.0
MW-52-20170309-01	MW-52	N	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.67	mg/L			Y	0.301	1.00	1.00
MW-52-20170309-01	MW-52	N	3/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2430	mg/L		JL	Y	20.0	20.0	20.0
MW-52-20170309-01	MW-52	N	3/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.465	mg/L			Y	0.0700	0.100	0.100
MW-52-20170309-01	MW-52	N	3/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	320	mg/L			Y	0.198	0.500	0.500
MW-52-20170309-02	MW-52	N	3/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.64	pH units			Y			
MW-52-20170516-01	MW-52	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	579	mg/L			Y	19.1	100	100
MW-52-20170516-01	MW-52	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	660	mg/L			Y	10.7	80.0	80.0
MW-52-20170516-01	MW-52	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.19	mg/L			Y	0.301	1.00	1.00
MW-52-20170516-01	MW-52	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2760	mg/L			Y	20.0	20.0	20.0
MW-52-20170516-01	MW-52	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.395	mg/L			Y	0.0700	0.100	0.100
MW-52-20170516-01	MW-52	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	247	mg/L			Y	0.198	0.500	0.500
MW-52-20170516-02	MW-52	N	5/16/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.97	pH units			Y			
MW-52-20170718-01	MW-52	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	462	mg/L		JH	Y	9.57	50.0	50.0
MW-52-20170718-01	MW-52	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	683	mg/L			Y	5.34	40.0	40.0
MW-52-20170718-01	MW-52	N	7/18/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.656	mg/L	J	J	Y	0.301	1.00	1.00
MW-52-20170718-01	MW-52	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2410	mg/L			Y	20.0	20.0	20.0
MW-52-20170718-01	MW-52	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.413	mg/L			Y	0.0700	0.100	0.100
MW-52-20170718-01	MW-52	N	7/18/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	289	mg/L	b	JH	Y	0.198	0.500	0.500
MW-52-20170718-02	MW-52	N	7/18/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.94	pH units			Y			
MW-52-20171010-01	MW-52	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	487	mg/L			Y	19.1	100	100
MW-52-20171010-01	MW-52	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	804	mg/L			Y	10.7	80.0	80.0
MW-52-20171010-01	MW-52	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	5	mg/L	U	U	N	1.50	5.00	5.00
MW-52-20171010-01	MW-52	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2410	mg/L			Y	20.0	20.0	20.0
MW-52-20171010-01	MW-52	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.386	mg/L			Y	0.0700	0.100	0.100
MW-52-20171010-01	MW-52	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	297	mg/L		J	Y	0.198	0.500	0.500
MW-52-20171010-02	MW-52	N	10/10/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-67-20161130-01	MW-67	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	113	mg/L		JL	Y	4.79	25.0	25.0
MW-67-20161130-01	MW-67	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	201	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-67-20161130-01	MW-67	N	11/30/2016	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.508	mg/L	H	JL	Y	0.0601	0.200	0.200
MW-67-20161130-01	MW-67	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	854	mg/L			Y	20.0	20.0	20.0
MW-67-20161130-01	MW-67	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.271	mg/L		JH	Y	0.0700	0.100	0.100
MW-67-20161130-01	MW-67	N	11/30/2016	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	94.2	mg/L	b		Y	0.198	0.500	0.500
MW-67-20161130-02	MW-67	N	11/30/2016	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.19	pH units			Y			
MW-67-20170109-01	MW-67	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	73.5	mg/L			Y	1.91	10.0	10.0
MW-67-20170109-01	MW-67	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	224	mg/L			Y	1.07	8.00	8.00
MW-67-20170109-01	MW-67	N	1/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.27	mg/L			Y	1.20	4.00	4.00
MW-67-20170109-01	MW-67	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	814	mg/L			Y	20.0	20.0	20.0
MW-67-20170109-01	MW-67	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.25	mg/L			Y	0.0700	0.100	0.100
MW-67-20170109-01	MW-67	N	1/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	86.8	mg/L	^		Y	0.198	0.500	0.500
MW-67-20170109-02	MW-67	N	1/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.12	pH units			Y			
MW-67-20170208-01	MW-67	N	2/8/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	85.9	mg/L			Y	4.79	25.0	25.0
MW-67-20170208-01	MW-67	N	2/8/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	219	mg/L			Y	2.67	20.0	20.0
MW-67-20170208-01	MW-67	N	2/8/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	10.6	mg/L			Y	3.01	10.0	10.0
MW-67-20170208-01	MW-67	N	2/8/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	886	mg/L			Y	20.0	20.0	20.0
MW-67-20170208-01	MW-67	N	2/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.259	mg/L			Y	0.0700	0.100	0.100
MW-67-20170208-01	MW-67	N	2/8/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	97.7	mg/L	b		Y	0.198	0.500	0.500
MW-67-20170208-02	MW-67	N	2/8/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-67-20170309-01	MW-67	N	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	97.6	mg/L			Y	0.957	5.00	5.00
MW-67-20170309-01	MW-67	N	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	222	mg/L			Y	2.67	20.0	20.0
MW-67-20170309-01	MW-67	N	3/9/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2.37	mg/L			Y	0.601	2.00	2.00
MW-67-20170309-01	MW-67	N	3/9/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	802	mg/L		JL	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-67-20170309-01	MW-67	N	3/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.24	mg/L			Y	0.0700	0.100	0.100
MW-67-20170309-01	MW-67	N	3/9/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	103	mg/L			Y	0.198	0.500	0.500
MW-67-20170309-02	MW-67	N	3/9/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.19	pH units			Y			
MW-67-20170406-01	MW-67	N	4/6/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	74.1	mg/L			Y	4.79	25.0	25.0
MW-67-20170406-01	MW-67	N	4/6/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	211	mg/L			Y	2.67	20.0	20.0
MW-67-20170406-01	MW-67	N	4/6/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.537	mg/L			Y	0.120	0.400	0.400
MW-67-20170406-01	MW-67	N	4/6/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	812	mg/L			Y	20.0	20.0	20.0
MW-67-20170406-01	MW-67	N	4/6/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.24	mg/L			Y	0.0700	0.100	0.100
MW-67-20170406-01	MW-67	N	4/6/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	93.7	mg/L			Y	0.198	0.500	0.500
MW-67-20170406-02	MW-67	N	4/6/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.1	pH units			Y			
MW-67-20170516-01	MW-67	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	82.1	mg/L			Y	4.79	25.0	25.0
MW-67-20170516-01	MW-67	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	213	mg/L			Y	2.67	20.0	20.0
MW-67-20170516-01	MW-67	N	5/16/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.812	mg/L			Y	0.120	0.400	0.400
MW-67-20170516-01	MW-67	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	908	mg/L			Y	20.0	20.0	20.0
MW-67-20170516-01	MW-67	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.207	mg/L			Y	0.0700	0.100	0.100
MW-67-20170516-01	MW-67	N	5/16/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	88.4	mg/L			Y	0.198	0.500	0.500
MW-67-20170516-02	MW-67	N	5/16/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.17	pH units			Y			
MW-67-20170615-01	MW-67	N	6/15/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	71.4	mg/L			Y	0.479	2.50	2.50
MW-67-20170615-01	MW-67	N	6/15/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	209	mg/L			Y	2.67	20.0	20.0
MW-67-20170615-01	MW-67	N	6/15/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.608	mg/L			Y	0.120	0.400	0.400
MW-67-20170615-01	MW-67	N	6/15/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	946	mg/L			Y	20.0	20.0	20.0
MW-67-20170615-01	MW-67	N	6/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.237	mg/L			Y	0.0700	0.100	0.100
MW-67-20170615-01	MW-67	N	6/15/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	92.9	mg/L			Y	0.198	0.500	0.500
MW-67-20170615-02	MW-67	N	6/15/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.13	pH units			Y			
MW-67-20170719-01	MW-67	N	7/19/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	62.3	mg/L			Y	4.79	25.0	25.0
MW-67-20170719-01	MW-67	N	7/19/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	213	mg/L			Y	2.67	20.0	20.0
MW-67-20170719-01	MW-67	N	7/19/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.522	mg/L			Y	0.120	0.400	0.400
MW-67-20170719-01	MW-67	N	7/19/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	840	mg/L			Y	20.0	20.0	20.0
MW-67-20170719-01	MW-67	N	7/19/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.226	mg/L			Y	0.0700	0.100	0.100
MW-67-20170719-01	MW-67	N	7/19/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	97.1	mg/L			Y	0.198	0.500	0.500
MW-67-20170719-02	MW-67	N	7/19/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.18	pH units			Y			
MW-67-20171010-01	MW-67	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	14808-79-8	Sulfate	67.5	mg/L			Y	0.957	5.00	5.00
MW-67-20171010-01	MW-67	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	16887-00-6	Chloride	209	mg/L			Y	2.67	20.0	20.0
MW-67-20171010-01	MW-67	N	10/10/2017	Cell 1C	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2	mg/L	U	U	N	0.601	2.00	2.00
MW-67-20171010-01	MW-67	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	912	mg/L			Y	20.0	20.0	20.0
MW-67-20171010-01	MW-67	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.228	mg/L			Y	0.0700	0.100	0.100
MW-67-20171010-01	MW-67	N	10/10/2017	Cell 1C	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	104	mg/L		J	Y	0.198	0.500	0.500
MW-67-20171010-02	MW-67	N	10/10/2017	Cell 1C	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.06	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.

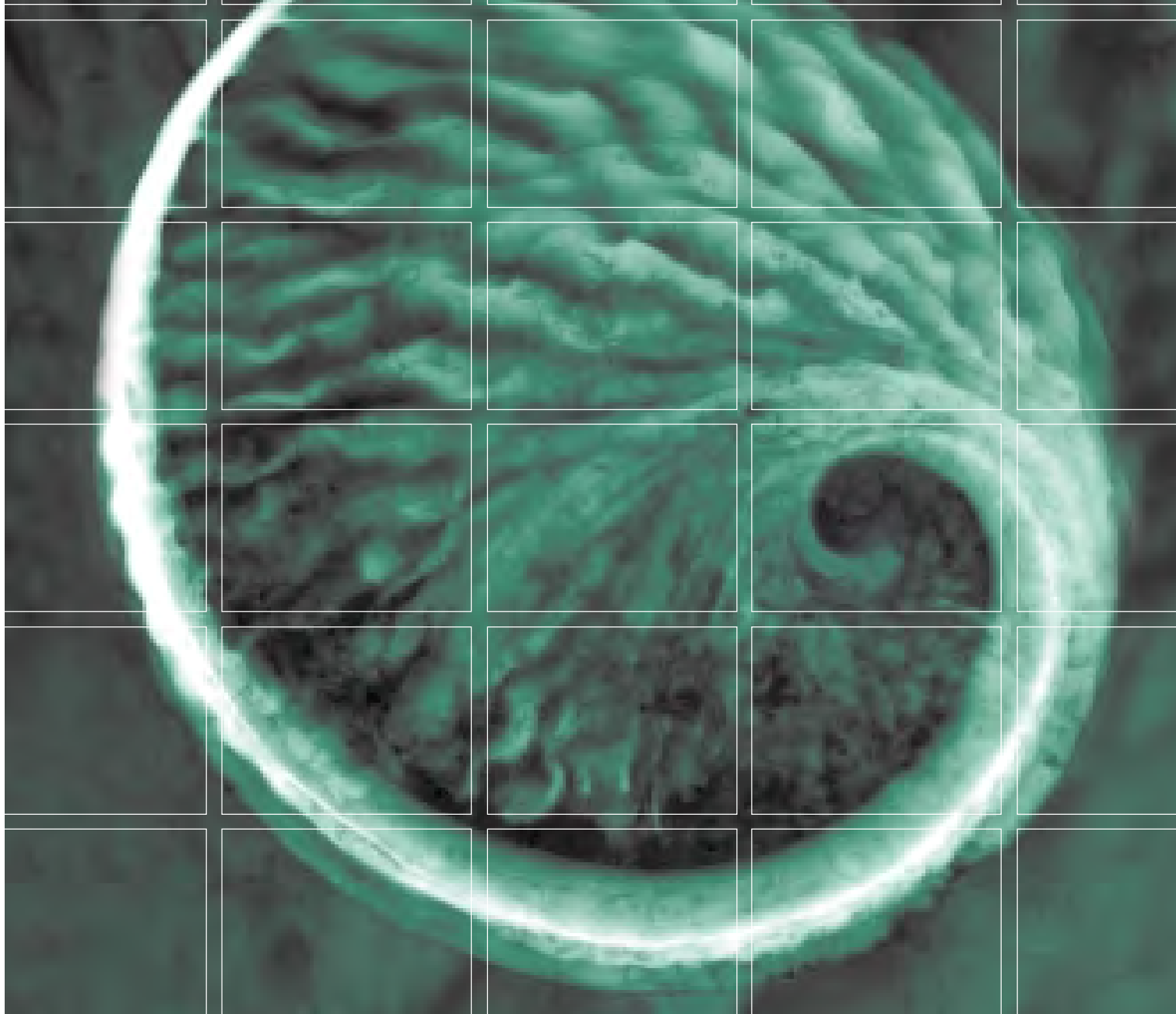
J - Result reported as detected between the SDL and the Method Quantitation Limit (MQL) or result qualified as detected at an estimated concentration.

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.



Annual Groundwater Monitoring Report Solid Waste Disposal Area, Cell 2A – Pug Mill (SWMU 001)

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

January 30, 2018

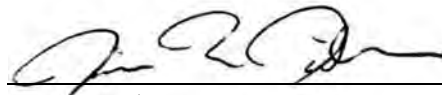
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Annual Groundwater
Monitoring Report
Solid Waste Disposal Area,
Cell 2A – Pug Mill
(SWMU 001)

January 30, 2018

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



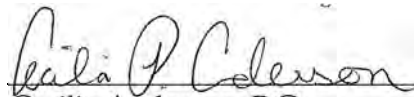
Jim Davidson, P.G.

Partner-in-Charge



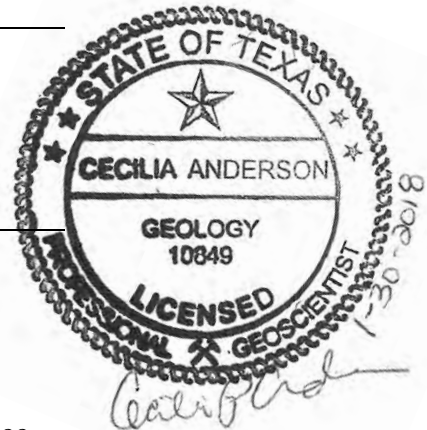
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2.1	GROUNDWATER FLOW RATE AND DIRECTION	3
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APPENDICES

A GROUNDWATER ANALYTICAL RESULTS

List of Figures

- 1-1 Site Location Map**
- 1-2 Coal Combustion Residual Units**
- 2-1 Coal Combustion Residual Monitor Well Networks**
- 2-2 October 2017 Potentiometric Map**

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 Pug Mill in compliance with 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.

Landfill Cell 2A which contains the Pug Mill (hereafter "the Pug Mill") is part of the SWDA located to the north of the main Plant Area. The majority of Cell 2A is inactive; the south east corner (approximately 6 acres in size) is currently used as a Pug Mill for grinding of coal combustion residual waste for reuse.

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 two upgradient monitor wells, MW-23, MW-43 and four downgradient monitor wells MW-57, MW-58, MW-59, and MW-66. All of the monitor wells are screened in the uppermost transmissive zone around the SWDA. The uppermost aquifer is approximately 20 ft thick and is comprised of interlayered sand, silty sand, clayey sand, clayey sandy silt, and some gravelly sand. 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 layer of silty clay with some sandy clay, clay, and sandy silt with an average thickness of 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.

The hydraulic gradient for the sampling events was generally to the north/northeast toward the Brazos River located about one mile north/north east of the site. The hydraulic gradient rates ranged from 0.0007 to 0.0018 feet per foot during the October 2017 event. This range is consistent with other events. Based on the average measured hydraulic gradient of 0.001, an assumed porosity of 0.3, and an average measured hydraulic conductivity of 0.005 ft/min (ERM, 2017), the velocity of groundwater in the uppermost transmissive zone beneath the SWDA is estimated to be approximately 9 feet per year. A potentiometric surface map from the October 2017 event is included as Figure 2-2.

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-23	MW-43
2016-07-07	X	X
2016-08-30	X	X
2016-10-11	X	
2016-10-12		X
2016-11-29	X	X
2017-01-10	X	X
2017-03-08	X	X
2017-05-16	X	X
2017-07-18	X	X
2017-10-10	X	X
Total	9	9

TABLE 2-2: Sampling Dates for Each Downgradient Well

Sample Date	MW-57	MW-58	MW-59	MW-66
2016-07-08	X	X	X	
2016-08-31	X	X	X	
2016-10-11			X	
2016-10-12	X	X		
2016-11-29	X			X
2016-11-30		X	X	
2017-01-09	X	X	X	X
2017-02-08				X
2017-03-09	X	X	X	X
2017-04-06				X
2017-05-17	X	X	X	X
2017-06-15				X
2017-07-17		X	X	
2017-07-19	X			X
2017-10-10	X	X	X	X
Total	9	9	9	9

With one exception, for sampling events through July 2017 wells were sampled for the Appendix III and Appendix IV analytes. During the November/December 2016 sampling event MW-58 was not analyzed for anions due to an error at the laboratory. Samples collected in October 2017 were analyzed for Appendix III analytes only. A summary of the data collected is provided in Appendix A.

2.3

DATA QUALITY

ERM reviewed field and laboratory documentation to assess the validity, reliability, and usability of the analytical results. Samples from 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.

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.

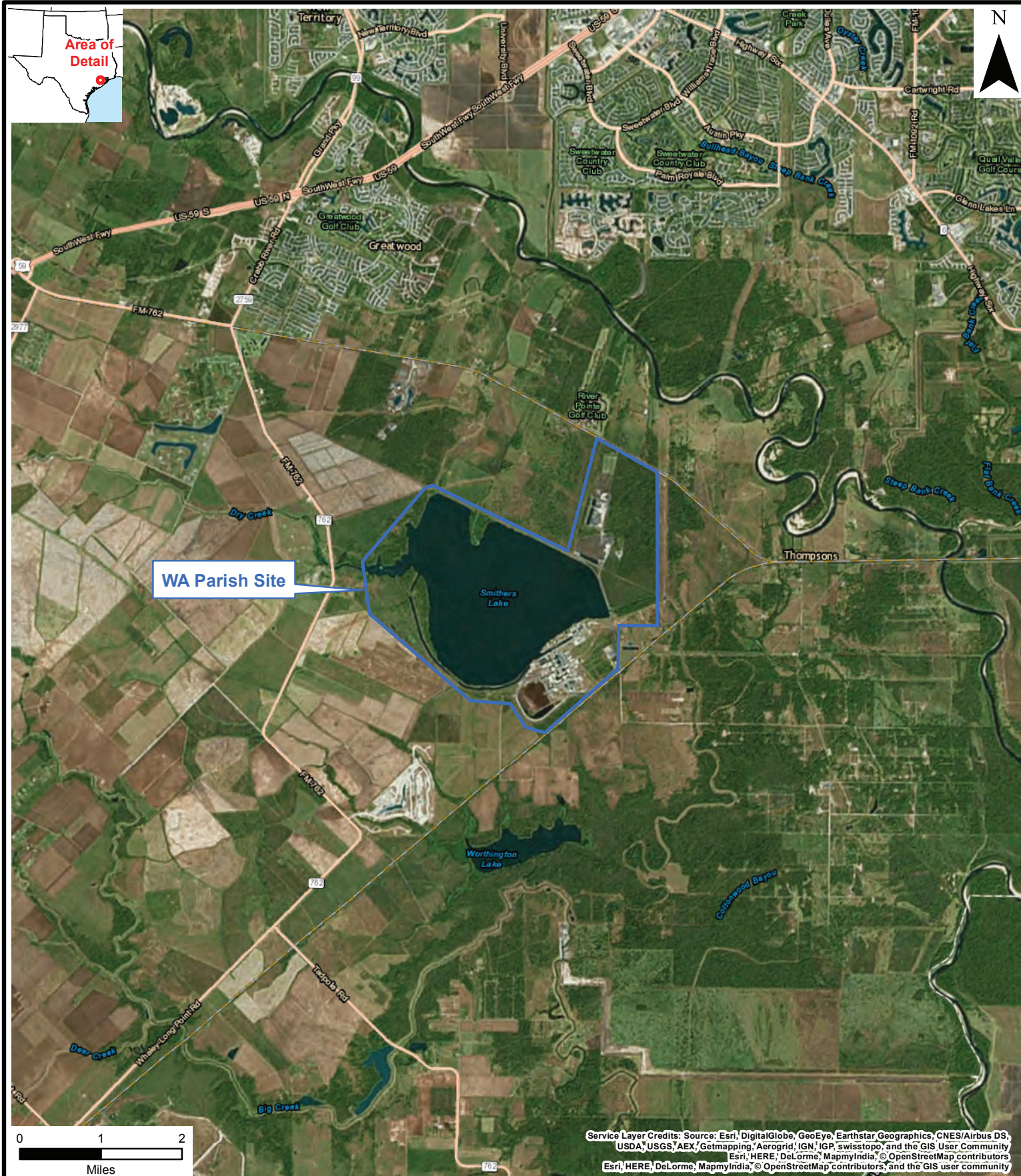
ERM. 2017. Groundwater Monitoring Network for Coal Combustions Residuals Rule Compliance. W.A. Parish. Thompsons, TX.

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



Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, ©OpenStreetMap contributors
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the
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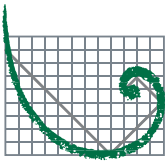
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FIGURE 1-2
COAL COMBUSTION
RESIDUAL UNITS
NRG Texas Power, LLC
W.A. Parish Station
Thompsons, Texas

Legend

 CCR Unit Boundary



ERM



Environmental Resources Management

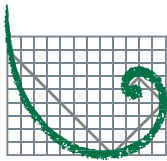
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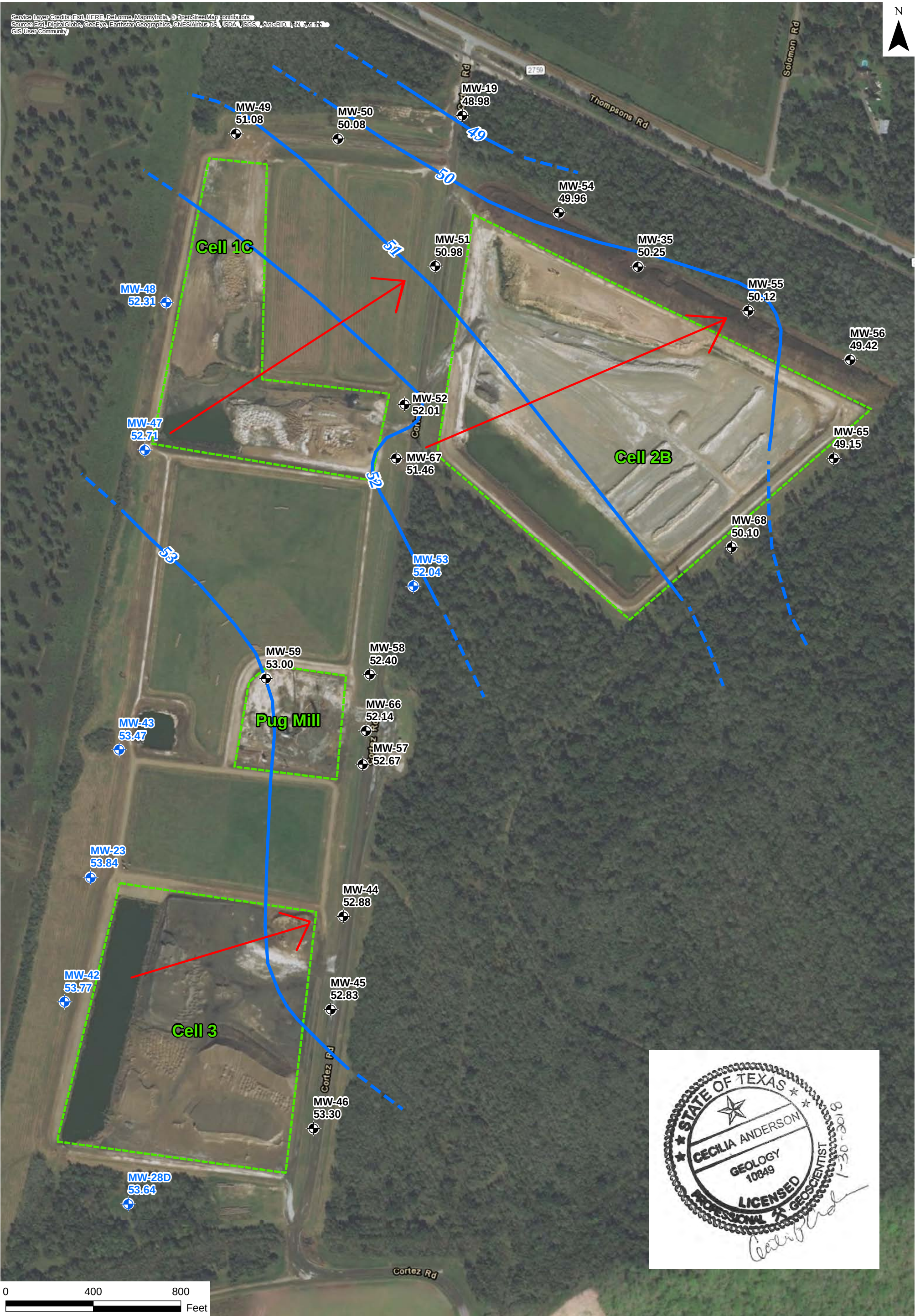
FIGURE 2-1
MONITOR WELL NETWORKS
NRG Texas Power, LLC
W.A. Parish Station
Thompsons, Texas

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
 - NM Not Measured



Groundwater Analytical Results
Appendix A

January 30, 2018
Project No. 0289614

Environmental Resources Management
CityCentre Four
840 West Sam Houston Parkway North, Suite 600
Houston, Texas 77024-3920
(281) 600-1000

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-071917	MW-57	FD	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	60.6	mg/L			Y	4.79	25.0	25.0
DUP-071917	MW-57	FD	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	211	mg/L			Y	2.67	20.0	20.0
DUP-071917	MW-57	FD	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.521	mg/L			Y	0.120	0.400	0.400
DUP-071917	MW-57	FD	7/19/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	888	mg/L			Y	20.0	20.0	20.0
DUP-071917	MW-57	FD	7/19/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.198	mg/L			Y	0.0700	0.100	0.100
DUP-071917	MW-57	FD	7/19/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	99.8	mg/L			Y	0.198	0.500	0.500
DUP-112916-DM	MW-43	FD	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	182	mg/L		J	Y	2.39	12.5	12.5
DUP-112916-DM	MW-43	FD	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	224	mg/L			Y	1.34	10.0	10.0
DUP-112916-DM	MW-43	FD	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.794	mg/L			Y	0.0601	0.200	0.200
DUP-112916-DM	MW-43	FD	11/29/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	888	mg/L			Y	20.0	20.0	20.0
DUP-112916-DM	MW-43	FD	11/29/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.543	mg/L			Y	0.0700	0.100	0.100
DUP-112916-DM	MW-43	FD	11/29/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	86.7	mg/L			Y	0.198	0.500	0.500
MW-23-20160707-01	MW-23	N	7/7/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	227	mg/L			Y	4.79	25.0	25.0
MW-23-20160707-01	MW-23	N	7/7/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	832	mg/L			Y	2.67	20.0	20.0
MW-23-20160707-01	MW-23	N	7/7/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.338	mg/L			Y	0.0601	0.200	0.200
MW-23-20160707-01	MW-23	N	7/7/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2750	mg/L			Y	20.0	20.0	20.0
MW-23-20160707-01	MW-23	N	7/7/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.362	mg/L			Y	0.0700	0.100	0.100
MW-23-20160707-01	MW-23	N	7/7/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	218	mg/L			Y	0.198	0.500	0.500
MW-23-20160707-02	MW-23	N	7/7/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.33	pH units			Y			
MW-23-20160830-01	MW-23	N	8/30/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	154	mg/L			Y	9.57	50.0	50.0
MW-23-20160830-01	MW-23	N	8/30/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	851	mg/L			Y	5.34	40.0	40.0
MW-23-20160830-01	MW-23	N	8/30/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.31	mg/L	J	J	Y	0.301	1.00	1.00
MW-23-20160830-01	MW-23	N	8/30/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	3050	mg/L			Y	20.0	20.0	20.0
MW-23-20160830-01	MW-23	N	8/30/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.254	mg/L			Y	0.0700	0.100	0.100
MW-23-20160830-01	MW-23	N	8/30/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	241	mg/L			Y	0.198	0.500	0.500
MW-23-20160830-02	MW-23	N	8/30/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.37	pH units			Y			
MW-23-20161011-01	MW-23	N	10/11/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	176	mg/L			Y	19.1	100	100
MW-23-20161011-01	MW-23	N	10/11/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	992	mg/L			Y	10.7	80.0	80.0
MW-23-20161011-01	MW-23	N	10/11/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.614	mg/L	J	J	Y	0.301	1.00	1.00
MW-23-20161011-01	MW-23	N	10/11/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	4060	mg/L			Y	40.0	40.0	40.0
MW-23-20161011-01	MW-23	N	10/11/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.241	mg/L			Y	0.0700	0.100	0.100
MW-23-20161011-01	MW-23	N	10/11/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	313	mg/L			Y	0.198	0.500	0.500
MW-23-20161011-02	MW-23	N	10/11/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.21	pH units			Y			
MW-23-20161129-01	MW-23	N	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	174	mg/L			Y	9.57	50.0	50.0
MW-23-20161129-01	MW-23	N	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	922	mg/L			Y	5.34	40.0	40.0
MW-23-20161129-01	MW-23	N	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.01	mg/L			Y	0.301	1.00	1.00
MW-23-20161129-01	MW-23	N	11/29/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2690	mg/L			Y	20.0	20.0	20.0
MW-23-20161129-01	MW-23	N	11/29/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.288	mg/L			Y	0.0700	0.100	0.100
MW-23-20161129-01	MW-23	N	11/29/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	293	mg/L			Y	0.198	0.500	0.500
MW-23-20161129-02	MW-23	N	11/29/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.18	pH units			Y			
MW-23-20170110-01	MW-23	N	1/10/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	181	mg/L			Y	1.91	10.0	10.0
MW-23-20170110-01	MW-23	N	1/10/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	979	mg/L			Y	2.67	20.0	20.0
MW-23-20170110-01	MW-23	N	1/10/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.3	mg/L			Y	1.20	4.00	4.00
MW-23-20170110-01	MW-23	N	1/10/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	3290	mg/L			Y	20.0	20.0	20.0
MW-23-20170110-01	MW-23	N	1/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.247	mg/L			Y	0.0700	0.100	0.100
MW-23-20170110-01	MW-23	N	1/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	274	mg/L	^		Y	0.198	0.500	0.500
MW-23-20170110-02	MW-23	N	1/10/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-23-20170308-01	MW-23	N	3/8/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	283	mg/L			Y	9.57	50.0	50.0
MW-23-20170308-01	MW-23	N	3/8/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	1070	mg/L			Y	5.34	40.0	40.0
MW-23-20170308-01	MW-23	N	3/8/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	2.46	mg/L			Y	0.601	2.00	2.00
MW-23-20170308-01	MW-23	N	3/8/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	3090	mg/L			Y	20.0	20.0	20.0
MW-23-20170308-01	MW-23	N	3/8/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.332	mg/L			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-23-20170308-01	MW-23	N	3/8/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	360	mg/L			Y	0.198	0.500	0.500
MW-23-20170308-02	MW-23	N	3/8/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.6	pH units			Y			
MW-23-20170516-01	MW-23	N	5/16/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	215	mg/L			Y	19.1	100	100
MW-23-20170516-01	MW-23	N	5/16/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	976	mg/L			Y	10.7	80.0	80.0
MW-23-20170516-01	MW-23	N	5/16/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.746	mg/L	J	J	Y	0.301	1.00	1.00
MW-23-20170516-01	MW-23	N	5/16/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	3650	mg/L			Y	20.0	20.0	20.0
MW-23-20170516-01	MW-23	N	5/16/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.233	mg/L			Y	0.0700	0.100	0.100
MW-23-20170516-01	MW-23	N	5/16/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	270	mg/L			Y	0.198	0.500	0.500
MW-23-20170516-02	MW-23	N	5/16/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.65	pH units			Y			
MW-23-20170718-01	MW-23	N	7/18/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	142	mg/L			Y	9.57	50.0	50.0
MW-23-20170718-01	MW-23	N	7/18/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	889	mg/L			Y	5.34	40.0	40.0
MW-23-20170718-01	MW-23	N	7/18/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.595	mg/L	J	J	Y	0.301	1.00	1.00
MW-23-20170718-01	MW-23	N	7/18/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2970	mg/L			Y	20.0	20.0	20.0
MW-23-20170718-01	MW-23	N	7/18/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.239	mg/L			Y	0.0700	0.100	0.100
MW-23-20170718-01	MW-23	N	7/18/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	295	mg/L	b	JH	Y	0.198	0.500	0.500
MW-23-20170718-02	MW-23	N	7/18/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.45	pH units			Y			
MW-23-20171010-01	MW-23	N	10/10/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	134	mg/L			Y	4.79	25.0	25.0
MW-23-20171010-01	MW-23	N	10/10/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	967	mg/L			Y	10.7	80.0	80.0
MW-23-20171010-01	MW-23	N	10/10/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	10	mg/L	U	U	N	3.01	10.0	10.0
MW-23-20171010-01	MW-23	N	10/10/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2730	mg/L			Y	20.0	20.0	20.0
MW-23-20171010-01	MW-23	N	10/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.236	mg/L			Y	0.0700	0.100	0.100
MW-23-20171010-01	MW-23	N	10/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	269	mg/L		J	Y	0.198	0.500	0.500
MW-23-20171010-02	MW-23	N	10/10/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.12	pH units			Y			
MW-43-20160707-01	MW-43	N	7/7/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	123	mg/L			Y	4.79	25.0	25.0
MW-43-20160707-01	MW-43	N	7/7/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	282	mg/L			Y	2.67	20.0	20.0
MW-43-20160707-01	MW-43	N	7/7/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.834	mg/L			Y	0.0601	0.200	0.200
MW-43-20160707-01	MW-43	N	7/7/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	974	mg/L			Y	20.0	20.0	20.0
MW-43-20160707-01	MW-43	N	7/7/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.599	mg/L			Y	0.0700	0.100	0.100
MW-43-20160707-01	MW-43	N	7/7/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	77.7	mg/L			Y	0.198	0.500	0.500
MW-43-20160707-02	MW-43	N	7/7/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.19	pH units			Y			
MW-43-20160830-01	MW-43	N	8/30/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	163	mg/L			Y	4.79	25.0	25.0
MW-43-20160830-01	MW-43	N	8/30/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	254	mg/L			Y	2.67	20.0	20.0
MW-43-20160830-01	MW-43	N	8/30/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.585	mg/L			Y	0.120	0.400	0.400
MW-43-20160830-01	MW-43	N	8/30/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1070	mg/L			Y	20.0	20.0	20.0
MW-43-20160830-01	MW-43	N	8/30/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.62	mg/L			Y	0.0700	0.100	0.100
MW-43-20160830-01	MW-43	N	8/30/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	85.6	mg/L			Y	0.198	0.500	0.500
MW-43-20160830-02	MW-43	N	8/30/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.23	pH units			Y			
MW-43-20161012-01	MW-43	N	10/12/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	1230	mg/L			Y	47.9	250	250
MW-43-20161012-01	MW-43	N	10/12/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	358	mg/L			Y	26.7	200	200
MW-43-20161012-01	MW-43	N	10/12/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	7.72	mg/L			Y	0.301	1.00	1.00
MW-43-20161012-01	MW-43	N	10/12/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2270	mg/L			Y	100	100	100
MW-43-20161012-01	MW-43	N	10/12/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.514	mg/L			Y	0.0700	0.100	0.100
MW-43-20161012-01	MW-43	N	10/12/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	90.5	mg/L			Y	0.198	0.500	0.500
MW-43-20161012-02	MW-43	N	10/12/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.31	pH units			Y			
MW-43-20161129-01	MW-43	N	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	126	mg/L		J	Y	4.79	25.0	25.0
MW-43-20161129-01	MW-43	N	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	255	mg/L			Y	2.67	20.0	20.0
MW-43-20161129-01	MW-43	N	11/29/2016	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.871	mg/L			Y	0.120	0.400	0.400
MW-43-20161129-01	MW-43	N	11/29/2016	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	856	mg/L			Y	20.0	20.0	20.0
MW-43-20161129-01	MW-43	N	11/29/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.541	mg/L			Y	0.0700	0.100	0.100
MW-43-20161129-01	MW-43	N	11/29/2016	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	87.4	mg/L			Y	0.198	0.500	0.500
MW-43-20161129-02	MW-43	N	11/29/2016	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.27	pH units			Y			
MW-43-20170110-01	MW-43	N	1/10/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	137	mg/L			Y	1.91	10.0	10.0

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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-43-20170110-01	MW-43	N	1/10/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	225	mg/L			Y	1.07	8.00	8.00
MW-43-20170110-01	MW-43	N	1/10/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.46	mg/L			Y	1.20	4.00	4.00
MW-43-20170110-01	MW-43	N	1/10/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	976	mg/L			Y	20.0	20.0	20.0
MW-43-20170110-01	MW-43	N	1/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.53	mg/L			Y	0.0700	0.100	0.100
MW-43-20170110-01	MW-43	N	1/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	86.4	mg/L	^		Y	0.198	0.500	0.500
MW-43-20170110-02	MW-43	N	1/10/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.16	pH units			Y			
MW-43-20170308-01	MW-43	N	3/8/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	138	mg/L			Y	4.79	25.0	25.0
MW-43-20170308-01	MW-43	N	3/8/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	224	mg/L			Y	2.67	20.0	20.0
MW-43-20170308-01	MW-43	N	3/8/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	10.6	mg/L			Y	3.01	10.0	10.0
MW-43-20170308-01	MW-43	N	3/8/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	986	mg/L			Y	20.0	20.0	20.0
MW-43-20170308-01	MW-43	N	3/8/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.594	mg/L			Y	0.0700	0.100	0.100
MW-43-20170308-01	MW-43	N	3/8/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	102	mg/L			Y	0.198	0.500	0.500
MW-43-20170308-02	MW-43	N	3/8/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.36	pH units			Y			
MW-43-20170516-01	MW-43	N	5/16/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	132	mg/L			Y	4.79	25.0	25.0
MW-43-20170516-01	MW-43	N	5/16/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	220	mg/L			Y	2.67	20.0	20.0
MW-43-20170516-01	MW-43	N	5/16/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.945	mg/L			Y	0.120	0.400	0.400
MW-43-20170516-01	MW-43	N	5/16/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1010	mg/L			Y	20.0	20.0	20.0
MW-43-20170516-01	MW-43	N	5/16/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.433	mg/L			Y	0.0700	0.100	0.100
MW-43-20170516-01	MW-43	N	5/16/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	86.5	mg/L			Y	0.198	0.500	0.500
MW-43-20170516-02	MW-43	N	5/16/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.26	pH units			Y			
MW-43-20170718-01	MW-43	N	7/18/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	95.8	mg/L			Y	4.79	25.0	25.0
MW-43-20170718-01	MW-43	N	7/18/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	221	mg/L			Y	2.67	20.0	20.0
MW-43-20170718-01	MW-43	N	7/18/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.85	mg/L			Y	0.120	0.400	0.400
MW-43-20170718-01	MW-43	N	7/18/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	918	mg/L			Y	20.0	20.0	20.0
MW-43-20170718-01	MW-43	N	7/18/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.492	mg/L			Y	0.0700	0.100	0.100
MW-43-20170718-01	MW-43	N	7/18/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	85.3	mg/L	b	JH	Y	0.198	0.500	0.500
MW-43-20170718-02	MW-43	N	7/18/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.15	pH units			Y			
MW-43-20171010-01	MW-43	N	10/10/2017	Pug Mill	Initial	Upgradient	N	E300	14808-79-8	Sulfate	110	mg/L			Y	0.957	5.00	5.00
MW-43-20171010-01	MW-43	N	10/10/2017	Pug Mill	Initial	Upgradient	N	E300	16887-00-6	Chloride	252	mg/L			Y	5.34	40.0	40.0
MW-43-20171010-01	MW-43	N	10/10/2017	Pug Mill	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.604	mg/L	J	J	Y	0.601	2.00	2.00
MW-43-20171010-01	MW-43	N	10/10/2017	Pug Mill	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	952	mg/L			Y	20.0	20.0	20.0
MW-43-20171010-01	MW-43	N	10/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.479	mg/L			Y	0.0700	0.100	0.100
MW-43-20171010-01	MW-43	N	10/10/2017	Pug Mill	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	89.4	mg/L		J	Y	0.198	0.500	0.500
MW-43-20171010-02	MW-43	N	10/10/2017	Pug Mill	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.21	pH units			Y			
MW-57-20160708-01	MW-57	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	116	mg/L			Y	4.79	25.0	25.0
MW-57-20160708-01	MW-57	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	225	mg/L			Y	2.67	20.0	20.0
MW-57-20160708-01	MW-57	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.612	mg/L			Y	0.0601	0.200	0.200
MW-57-20160708-01	MW-57	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	986	mg/L			Y	20.0	20.0	20.0
MW-57-20160708-01	MW-57	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.416	mg/L			Y	0.0700	0.100	0.100
MW-57-20160708-01	MW-57	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	105	mg/L			Y	0.198	0.500	0.500
MW-57-20160708-02	MW-57	N	7/8/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.23	pH units			Y			
MW-57-20160831-01	MW-57	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	102	mg/L			Y	2.39	12.5	12.5
MW-57-20160831-01	MW-57	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	264	mg/L			Y	1.34	10.0	10.0
MW-57-20160831-01	MW-57	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.39	mg/L			Y	0.0601	0.200	0.200
MW-57-20160831-01	MW-57	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	920	mg/L			Y	20.0	20.0	20.0
MW-57-20160831-01	MW-57	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.255	mg/L		JH	Y	0.0700	0.100	0.100
MW-57-20160831-01	MW-57	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	101	mg/L		JH	Y	0.198	0.500	0.500
MW-57-20160831-02	MW-57	N	8/31/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.19	pH units			Y			
MW-57-20161012-01	MW-57	N	10/12/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	70.3	mg/L			Y	4.79	25.0	25.0
MW-57-20161012-01	MW-57	N	10/12/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	234	mg/L			Y	2.67	20.0	20.0
MW-57-20161012-01	MW-57	N	10/12/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.551	mg/L			Y	0.120	0.400	0.400
MW-57-20161012-01	MW-57	N	10/12/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	954	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-57-20161012-01	MW-57	N	10/12/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.223	mg/L			Y	0.0700	0.100	0.100
MW-57-20161012-01	MW-57	N	10/12/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	108	mg/L			Y	0.198	0.500	0.500
MW-57-20161012-02	MW-57	N	10/12/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.92	pH units			Y			
MW-57-20161129-01	MW-57	N	11/29/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	198	mg/L			Y	9.57	50.0	50.0
MW-57-20161129-01	MW-57	N	11/29/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	225	mg/L			Y	5.34	40.0	40.0
MW-57-20161129-01	MW-57	N	11/29/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.776	mg/L			Y	0.120	0.400	0.400
MW-57-20161129-01	MW-57	N	11/29/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	786	mg/L			Y	20.0	20.0	20.0
MW-57-20161129-01	MW-57	N	11/29/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.231	mg/L			Y	0.0700	0.100	0.100
MW-57-20161129-01	MW-57	N	11/29/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	104	mg/L			Y	0.198	0.500	0.500
MW-57-20161129-02	MW-57	N	11/29/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.04	pH units			Y			
MW-57-20170109-01	MW-57	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	62.5	mg/L			Y	1.91	10.0	10.0
MW-57-20170109-01	MW-57	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	234	mg/L			Y	1.07	8.00	8.00
MW-57-20170109-01	MW-57	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.35	mg/L			Y	1.20	4.00	4.00
MW-57-20170109-01	MW-57	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	842	mg/L			Y	20.0	20.0	20.0
MW-57-20170109-01	MW-57	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.233	mg/L			Y	0.0700	0.100	0.100
MW-57-20170109-01	MW-57	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	97.5	mg/L	^		Y	0.198	0.500	0.500
MW-57-20170109-02	MW-57	N	1/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.13	pH units			Y			
MW-57-20170309-01	MW-57	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	78.3	mg/L			Y	0.479	2.50	2.50
MW-57-20170309-01	MW-57	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	216	mg/L	b		Y	5.34	40.0	40.0
MW-57-20170309-01	MW-57	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.28	mg/L			Y	0.301	1.00	1.00
MW-57-20170309-01	MW-57	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	810	mg/L		JL	Y	20.0	20.0	20.0
MW-57-20170309-01	MW-57	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.398	mg/L			Y	0.0700	0.100	0.100
MW-57-20170309-01	MW-57	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	112	mg/L			Y	0.198	0.500	0.500
MW-57-20170309-02	MW-57	N	3/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.38	pH units			Y			
MW-57-20170517-01	MW-57	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	62.6	mg/L			Y	0.191	1.00	1.00
MW-57-20170517-01	MW-57	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	218	mg/L			Y	2.67	20.0	20.0
MW-57-20170517-01	MW-57	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.662	mg/L			Y	0.120	0.400	0.400
MW-57-20170517-01	MW-57	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	958	mg/L			Y	20.0	20.0	20.0
MW-57-20170517-01	MW-57	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.226	mg/L			Y	0.0700	0.100	0.100
MW-57-20170517-01	MW-57	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	94.1	mg/L	b		Y	0.198	0.500	0.500
MW-57-20170517-02	MW-57	N	5/17/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.88	pH units			Y			
MW-57-20170719-01	MW-57	N	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	60.8	mg/L			Y	4.79	25.0	25.0
MW-57-20170719-01	MW-57	N	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	218	mg/L			Y	2.67	20.0	20.0
MW-57-20170719-01	MW-57	N	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.511	mg/L			Y	0.120	0.400	0.400
MW-57-20170719-01	MW-57	N	7/19/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	900	mg/L			Y	20.0	20.0	20.0
MW-57-20170719-01	MW-57	N	7/19/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.197	mg/L			Y	0.0700	0.100	0.100
MW-57-20170719-01	MW-57	N	7/19/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	101	mg/L			Y	0.198	0.500	0.500
MW-57-20170719-02	MW-57	N	7/19/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.1	pH units			Y			
MW-57-20171010-01	MW-57	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	192	mg/L			Y	0.479	2.50	2.50
MW-57-20171010-01	MW-57	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	131	mg/L			Y	2.67	20.0	20.0
MW-57-20171010-01	MW-57	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-57-20171010-01	MW-57	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	852	mg/L			Y	20.0	20.0	20.0
MW-57-20171010-01	MW-57	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	2.26	mg/L			Y	0.0700	0.100	0.100
MW-57-20171010-01	MW-57	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	79.5	mg/L		J	Y	0.198	0.500	0.500
MW-57-20171010-02	MW-57	N	10/10/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.63	pH units			Y			
MW-58-20160708-01	MW-58	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	3900	mg/L			Y	23.9	125	125
MW-58-20160708-01	MW-58	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	425	mg/L			Y	13.4	100	100
MW-58-20160708-01	MW-58	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	6.72	mg/L			Y	0.301	1.00	1.00
MW-58-20160708-01	MW-58	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2380	mg/L			Y	100	100	100
MW-58-20160708-01	MW-58	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.725	mg/L			Y	0.0700	0.100	0.100
MW-58-20160708-01	MW-58	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	129	mg/L			Y	0.198	0.500	0.500
MW-58-20160708-02	MW-58	N	7/8/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.04	pH units			Y			

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-58-20160831-01	MW-58	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	149	mg/L			Y	4.79	25.0	25.0
MW-58-20160831-01	MW-58	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	351	mg/L			Y	2.67	20.0	20.0
MW-58-20160831-01	MW-58	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.393	mg/L	J	J	Y	0.120	0.400	0.400
MW-58-20160831-01	MW-58	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1280	mg/L			Y	20.0	20.0	20.0
MW-58-20160831-01	MW-58	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.39	mg/L		JH	Y	0.0700	0.100	0.100
MW-58-20160831-01	MW-58	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	116	mg/L		JH	Y	0.198	0.500	0.500
MW-58-20160831-02	MW-58	N	8/31/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.17	pH units			Y			
MW-58-20161012-01	MW-58	N	10/12/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	98.1	mg/L			Y	4.79	25.0	25.0
MW-58-20161012-01	MW-58	N	10/12/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	321	mg/L			Y	2.67	20.0	20.0
MW-58-20161012-01	MW-58	N	10/12/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.567	mg/L			Y	0.0601	0.200	0.200
MW-58-20161012-01	MW-58	N	10/12/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1320	mg/L			Y	20.0	20.0	20.0
MW-58-20161012-01	MW-58	N	10/12/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.324	mg/L			Y	0.0700	0.100	0.100
MW-58-20161012-01	MW-58	N	10/12/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	116	mg/L			Y	0.198	0.500	0.500
MW-58-20161012-02	MW-58	N	10/12/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.06	pH units			Y			
MW-58-20161130-01	MW-58	N	11/30/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.381	mg/L		JH	Y	0.0700	0.100	0.100
MW-58-20161130-01	MW-58	N	11/30/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	119	mg/L	b		Y	0.198	0.500	0.500
MW-58-20161130-02	MW-58	N	11/30/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.11	pH units			Y			
MW-58-20170109-01	MW-58	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	86.6	mg/L			Y	1.91	10.0	10.0
MW-58-20170109-01	MW-58	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	298	mg/L			Y	1.07	8.00	8.00
MW-58-20170109-01	MW-58	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.36	mg/L			Y	1.20	4.00	4.00
MW-58-20170109-01	MW-58	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1080	mg/L			Y	20.0	20.0	20.0
MW-58-20170109-01	MW-58	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.319	mg/L			Y	0.0700	0.100	0.100
MW-58-20170109-01	MW-58	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	98.6	mg/L	^		Y	0.198	0.500	0.500
MW-58-20170109-02	MW-58	N	1/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.17	pH units			Y			
MW-58-20170309-01	MW-58	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	100	mg/L			Y	0.479	2.50	2.50
MW-58-20170309-01	MW-58	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	318	mg/L	b		Y	5.34	40.0	40.0
MW-58-20170309-01	MW-58	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.3	mg/L			Y	0.301	1.00	1.00
MW-58-20170309-01	MW-58	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1070	mg/L		JL	Y	20.0	20.0	20.0
MW-58-20170309-01	MW-58	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.318	mg/L			Y	0.0700	0.100	0.100
MW-58-20170309-01	MW-58	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	127	mg/L			Y	0.198	0.500	0.500
MW-58-20170309-02	MW-58	N	3/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.86	pH units			Y			
MW-58-20170517-01	MW-58	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	140	mg/L			Y	1.91	10.0	10.0
MW-58-20170517-01	MW-58	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	304	mg/L			Y	5.34	40.0	40.0
MW-58-20170517-01	MW-58	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.75	mg/L			Y	0.120	0.400	0.400
MW-58-20170517-01	MW-58	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1260	mg/L			Y	20.0	20.0	20.0
MW-58-20170517-01	MW-58	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.277	mg/L			Y	0.0700	0.100	0.100
MW-58-20170517-01	MW-58	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	106	mg/L	b		Y	0.198	0.500	0.500
MW-58-20170517-02	MW-58	N	5/17/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-58-20170717-01	MW-58	N	7/17/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	97.3	mg/L			Y	9.57	50.0	50.0
MW-58-20170717-01	MW-58	N	7/17/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	315	mg/L			Y	5.34	40.0	40.0
MW-58-20170717-01	MW-58	N	7/17/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.673	mg/L	J	J	Y	0.301	1.00	1.00
MW-58-20170717-01	MW-58	N	7/17/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1280	mg/L			Y	20.0	20.0	20.0
MW-58-20170717-01	MW-58	N	7/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.343	mg/L			Y	0.0700	0.100	0.100
MW-58-20170717-01	MW-58	N	7/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	121	mg/L			Y	0.198	0.500	0.500
MW-58-20170717-02	MW-58	N	7/17/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-58-20171010-01	MW-58	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	122	mg/L			Y	9.57	50.0	50.0
MW-58-20171010-01	MW-58	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	392	mg/L			Y	5.34	40.0	40.0
MW-58-20171010-01	MW-58	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2	mg/L	U	U	N	0.601	2.00	2.00
MW-58-20171010-01	MW-58	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1170	mg/L			Y	20.0	20.0	20.0
MW-58-20171010-01	MW-58	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.328	mg/L			Y	0.0700	0.100	0.100
MW-58-20171010-01	MW-58	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	127	mg/L		J	Y	0.198	0.500	0.500
MW-58-20171010-02	MW-58	N	10/10/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			

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-59-20160708-01	MW-59	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	418	mg/L			Y	4.79	25.0	25.0
MW-59-20160708-01	MW-59	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	317	mg/L			Y	2.67	20.0	20.0
MW-59-20160708-01	MW-59	N	7/8/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.817	mg/L			Y	0.0601	0.200	0.200
MW-59-20160708-01	MW-59	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1360	mg/L			Y	20.0	20.0	20.0
MW-59-20160708-01	MW-59	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.14	mg/L			Y	0.0700	0.100	0.100
MW-59-20160708-01	MW-59	N	7/8/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	106	mg/L			Y	0.198	0.500	0.500
MW-59-20160708-02	MW-59	N	7/8/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.57	pH units			Y			
MW-59-20160831-01	MW-59	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	343	mg/L			Y	4.79	25.0	25.0
MW-59-20160831-01	MW-59	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	353	mg/L			Y	2.67	20.0	20.0
MW-59-20160831-01	MW-59	N	8/31/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.623	mg/L			Y	0.120	0.400	0.400
MW-59-20160831-01	MW-59	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1290	mg/L			Y	20.0	20.0	20.0
MW-59-20160831-01	MW-59	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.868	mg/L		JH	Y	0.0700	0.100	0.100
MW-59-20160831-01	MW-59	N	8/31/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	97	mg/L		JH	Y	0.198	0.500	0.500
MW-59-20160831-02	MW-59	N	8/31/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	8.46	pH units			Y			
MW-59-20161011-01	MW-59	N	10/11/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	227	mg/L			Y	9.57	50.0	50.0
MW-59-20161011-01	MW-59	N	10/11/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	547	mg/L			Y	5.34	40.0	40.0
MW-59-20161011-01	MW-59	N	10/11/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.954	mg/L			Y	0.120	0.400	0.400
MW-59-20161011-01	MW-59	N	10/11/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2230	mg/L			Y	20.0	20.0	20.0
MW-59-20161011-01	MW-59	N	10/11/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.694	mg/L			Y	0.0700	0.100	0.100
MW-59-20161011-01	MW-59	N	10/11/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	94.1	mg/L			Y	0.198	0.500	0.500
MW-59-20161011-02	MW-59	N	10/11/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	8.62	pH units			Y			
MW-59-20161130-01	MW-59	N	11/30/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	304	mg/L	H	JL	Y	1.91	10.0	10.0
MW-59-20161130-01	MW-59	N	11/30/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	534	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-59-20161130-01	MW-59	N	11/30/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.06	mg/L	H	JL	Y	0.0601	0.200	0.200
MW-59-20161130-01	MW-59	N	11/30/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1320	mg/L			Y	20.0	20.0	20.0
MW-59-20161130-01	MW-59	N	11/30/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.716	mg/L		JH	Y	0.0700	0.100	0.100
MW-59-20161130-01	MW-59	N	11/30/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	91.8	mg/L	b		Y	0.198	0.500	0.500
MW-59-20161130-02	MW-59	N	11/30/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	8.18	pH units			Y			
MW-59-20170109-01	MW-59	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	237	mg/L			Y	1.91	10.0	10.0
MW-59-20170109-01	MW-59	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	560	mg/L			Y	1.07	8.00	8.00
MW-59-20170109-01	MW-59	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.7	mg/L			Y	1.20	4.00	4.00
MW-59-20170109-01	MW-59	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1260	mg/L			Y	20.0	20.0	20.0
MW-59-20170109-01	MW-59	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.581	mg/L			Y	0.0700	0.100	0.100
MW-59-20170109-01	MW-59	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	82.4	mg/L	^		Y	0.198	0.500	0.500
MW-59-20170109-02	MW-59	N	1/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.73	pH units			Y			
MW-59-20170309-01	MW-59	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	233	mg/L			Y	9.57	50.0	50.0
MW-59-20170309-01	MW-59	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	512	mg/L	b		Y	5.34	40.0	40.0
MW-59-20170309-01	MW-59	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.51	mg/L			Y	0.301	1.00	1.00
MW-59-20170309-01	MW-59	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1430	mg/L		JL	Y	20.0	20.0	20.0
MW-59-20170309-01	MW-59	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.576	mg/L			Y	0.0700	0.100	0.100
MW-59-20170309-01	MW-59	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	107	mg/L			Y	0.198	0.500	0.500
MW-59-20170309-02	MW-59	N	3/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.66	pH units			Y			
MW-59-20170517-01	MW-59	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	261	mg/L			Y	1.91	10.0	10.0
MW-59-20170517-01	MW-59	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	523	mg/L			Y	5.34	40.0	40.0
MW-59-20170517-01	MW-59	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.18	mg/L			Y	0.301	1.00	1.00
MW-59-20170517-01	MW-59	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1690	mg/L			Y	20.0	20.0	20.0
MW-59-20170517-01	MW-59	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.486	mg/L			Y	0.0700	0.100	0.100
MW-59-20170517-01	MW-59	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	91.8	mg/L	b		Y	0.198	0.500	0.500
MW-59-20170517-02	MW-59	N	5/17/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.47	pH units			Y			
MW-59-20170717-01	MW-59	N	7/17/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	195	mg/L			Y	9.57	50.0	50.0
MW-59-20170717-01	MW-59	N	7/17/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	476	mg/L			Y	5.34	40.0	40.0
MW-59-20170717-01	MW-59	N	7/17/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.856	mg/L	J	J	Y	0.301	1.00	1.00

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-59-20170717-01	MW-59	N	7/17/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1630	mg/L			Y	20.0	20.0	20.0
MW-59-20170717-01	MW-59	N	7/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.585	mg/L			Y	0.0700	0.100	0.100
MW-59-20170717-01	MW-59	N	7/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	107	mg/L			Y	0.198	0.500	0.500
MW-59-20170717-02	MW-59	N	7/17/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.36	pH units			Y			
MW-59-20171010-01	MW-59	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	196	mg/L			Y	9.57	50.0	50.0
MW-59-20171010-01	MW-59	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	558	mg/L			Y	5.34	40.0	40.0
MW-59-20171010-01	MW-59	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.43	mg/L	J	J	Y	1.20	4.00	4.00
MW-59-20171010-01	MW-59	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1440	mg/L			Y	20.0	20.0	20.0
MW-59-20171010-01	MW-59	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.557	mg/L			Y	0.0700	0.100	0.100
MW-59-20171010-01	MW-59	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	116	mg/L		J	Y	0.198	0.500	0.500
MW-59-20171010-02	MW-59	N	10/10/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.35	pH units			Y			
MW-66-20161129-01	MW-66	N	11/29/2016	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	331	mg/L			Y	4.79	25.0	25.0
MW-66-20161129-01	MW-66	N	11/29/2016	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	170	mg/L			Y	2.67	20.0	20.0
MW-66-20161129-01	MW-66	N	11/29/2016	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.848	mg/L			Y	0.120	0.400	0.400
MW-66-20161129-01	MW-66	N	11/29/2016	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1060	mg/L			Y	20.0	20.0	20.0
MW-66-20161129-01	MW-66	N	11/29/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.956	mg/L			Y	0.0700	0.100	0.100
MW-66-20161129-01	MW-66	N	11/29/2016	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	123	mg/L			Y	0.198	0.500	0.500
MW-66-20161129-02	MW-66	N	11/29/2016	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.31	pH units			Y			
MW-66-20170109-01	MW-66	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	110	mg/L			Y	1.91	10.0	10.0
MW-66-20170109-01	MW-66	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	179	mg/L			Y	1.07	8.00	8.00
MW-66-20170109-01	MW-66	N	1/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.25	mg/L			Y	1.20	4.00	4.00
MW-66-20170109-01	MW-66	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	802	mg/L			Y	20.0	20.0	20.0
MW-66-20170109-01	MW-66	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.311	mg/L			Y	0.0700	0.100	0.100
MW-66-20170109-01	MW-66	N	1/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	93.2	mg/L	^		Y	0.198	0.500	0.500
MW-66-20170109-02	MW-66	N	1/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.25	pH units			Y			
MW-66-20170208-01	MW-66	N	2/8/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	94.3	mg/L			Y	4.79	25.0	25.0
MW-66-20170208-01	MW-66	N	2/8/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	186	mg/L			Y	2.67	20.0	20.0
MW-66-20170208-01	MW-66	N	2/8/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	10.8	mg/L			Y	3.01	10.0	10.0
MW-66-20170208-01	MW-66	N	2/8/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	908	mg/L			Y	20.0	20.0	20.0
MW-66-20170208-01	MW-66	N	2/8/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.266	mg/L			Y	0.0700	0.100	0.100
MW-66-20170208-01	MW-66	N	2/8/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	97.6	mg/L	b		Y	0.198	0.500	0.500
MW-66-20170208-02	MW-66	N	2/8/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.16	pH units			Y			
MW-66-20170309-01	MW-66	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	77.5	mg/L			Y	0.479	2.50	2.50
MW-66-20170309-01	MW-66	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	182	mg/L	b		Y	5.34	40.0	40.0
MW-66-20170309-01	MW-66	N	3/9/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.29	mg/L			Y	0.301	1.00	1.00
MW-66-20170309-01	MW-66	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	752	mg/L		JL	Y	20.0	20.0	20.0
MW-66-20170309-01	MW-66	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.27	mg/L			Y	0.0700	0.100	0.100
MW-66-20170309-01	MW-66	N	3/9/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	107	mg/L			Y	0.198	0.500	0.500
MW-66-20170309-02	MW-66	N	3/9/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.62	pH units			Y			
MW-66-20170406-01	MW-66	N	4/6/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	70.4	mg/L			Y	4.79	25.0	25.0
MW-66-20170406-01	MW-66	N	4/6/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	182	mg/L			Y	2.67	20.0	20.0
MW-66-20170406-01	MW-66	N	4/6/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.525	mg/L			Y	0.120	0.400	0.400
MW-66-20170406-01	MW-66	N	4/6/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	742	mg/L			Y	20.0	20.0	20.0
MW-66-20170406-01	MW-66	N	4/6/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.249	mg/L			Y	0.0700	0.100	0.100
MW-66-20170406-01	MW-66	N	4/6/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	101	mg/L			Y	0.198	0.500	0.500
MW-66-20170406-02	MW-66	N	4/6/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.13	pH units			Y			
MW-66-20170517-01	MW-66	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	60.4	mg/L			Y	0.191	1.00	1.00
MW-66-20170517-01	MW-66	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	187	mg/L			Y	2.67	20.0	20.0
MW-66-20170517-01	MW-66	N	5/17/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.639	mg/L			Y	0.120	0.400	0.400
MW-66-20170517-01	MW-66	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	842	mg/L			Y	20.0	20.0	20.0
MW-66-20170517-01	MW-66	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.182	mg/L			Y	0.0700	0.100	0.100
MW-66-20170517-01	MW-66	N	5/17/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	93.7	mg/L	b		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-66-20170517-02	MW-66	N	5/17/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.06	pH units			Y			
MW-66-20170615-01	MW-66	N	6/15/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	65.7	mg/L			Y	0.479	2.50	2.50
MW-66-20170615-01	MW-66	N	6/15/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	201	mg/L			Y	2.67	20.0	20.0
MW-66-20170615-01	MW-66	N	6/15/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.557	mg/L			Y	0.120	0.400	0.400
MW-66-20170615-01	MW-66	N	6/15/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	906	mg/L			Y	20.0	20.0	20.0
MW-66-20170615-01	MW-66	N	6/15/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.214	mg/L			Y	0.0700	0.100	0.100
MW-66-20170615-01	MW-66	N	6/15/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	107	mg/L			Y	0.198	0.500	0.500
MW-66-20170615-02	MW-66	N	6/15/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.26	pH units			Y			
MW-66-20170719-01	MW-66	N	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	50.3	mg/L			Y	4.79	25.0	25.0
MW-66-20170719-01	MW-66	N	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	227	mg/L			Y	2.67	20.0	20.0
MW-66-20170719-01	MW-66	N	7/19/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.548	mg/L			Y	0.120	0.400	0.400
MW-66-20170719-01	MW-66	N	7/19/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	930	mg/L			Y	20.0	20.0	20.0
MW-66-20170719-01	MW-66	N	7/19/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.179	mg/L			Y	0.0700	0.100	0.100
MW-66-20170719-01	MW-66	N	7/19/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	104	mg/L			Y	0.198	0.500	0.500
MW-66-20170719-02	MW-66	N	7/19/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.48	pH units			Y			
MW-66-20171010-01	MW-66	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	14808-79-8	Sulfate	71.5	mg/L			Y	0.957	5.00	5.00
MW-66-20171010-01	MW-66	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16887-00-6	Chloride	288	mg/L			Y	2.67	20.0	20.0
MW-66-20171010-01	MW-66	N	10/10/2017	Pug Mill	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2	mg/L	U	U	N	0.601	2.00	2.00
MW-66-20171010-01	MW-66	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1010	mg/L			Y	20.0	20.0	20.0
MW-66-20171010-01	MW-66	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.211	mg/L			Y	0.0700	0.100	0.100
MW-66-20171010-01	MW-66	N	10/10/2017	Pug Mill	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	123	mg/L		J	Y	0.198	0.500	0.500
MW-66-20171010-02	MW-66	N	10/10/2017	Pug Mill	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.38	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.

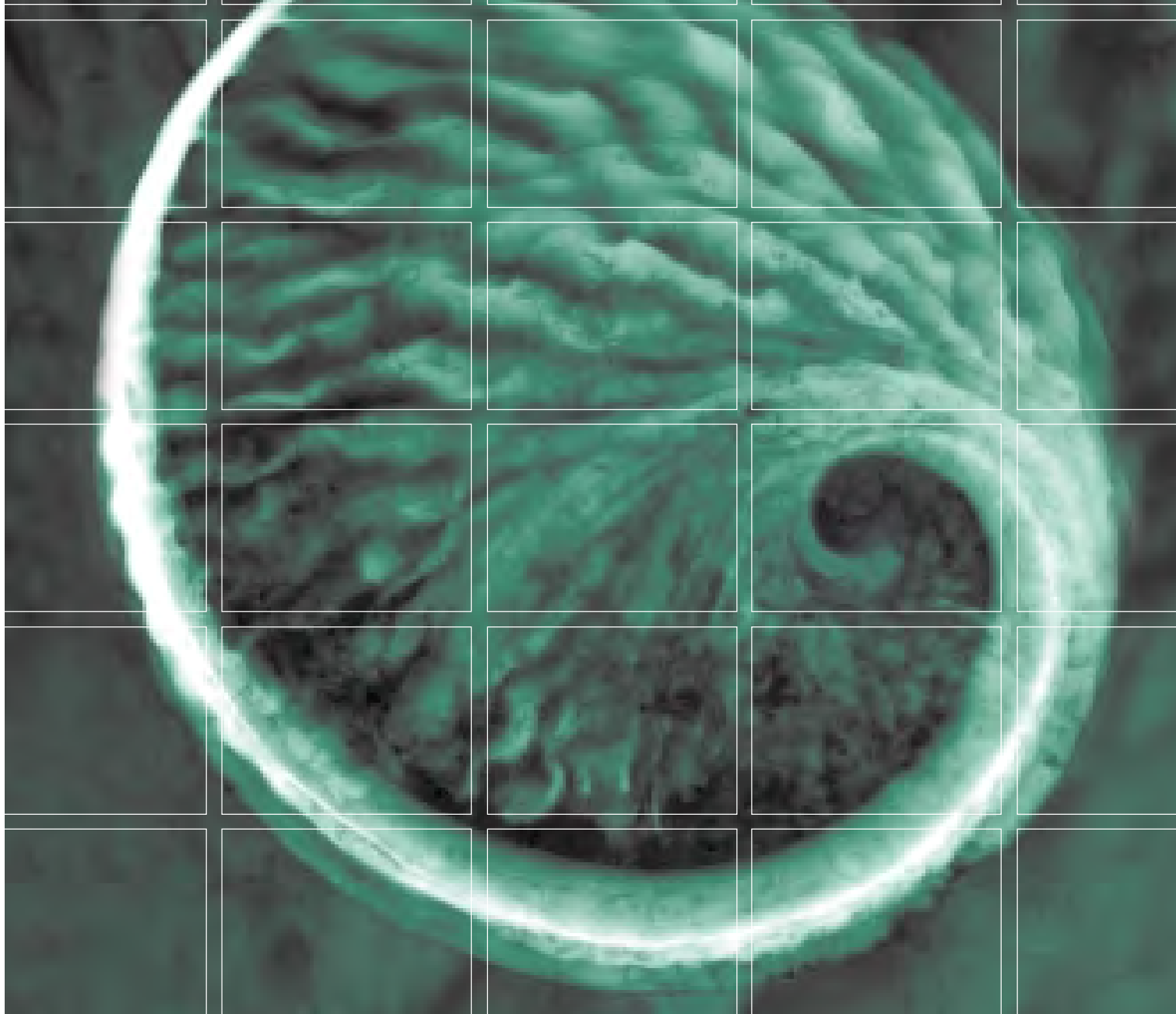
J - Result reported as detected between the SDL and the Method Quantitation Limit (MQL) or result qualified as detected at an estimated concentration.

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.



Annual Groundwater Monitoring Report Solid Waste Disposal Area Cell 2B (SWMU 001)

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

January 30, 2018

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NRG Texas Power, LLC

Annual Groundwater Monitoring Report Solid Waste Disposal Area Cell 2B (SWMU 001)

January 30, 2018

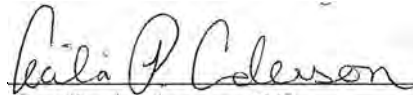
Project No. 0289614
W.A. Parish Electric Generating Station
Thompsons, Texas



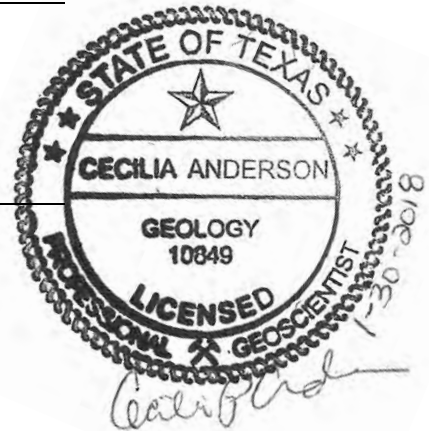
Jim Davidson, P.G.
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Cecilia Anderson, P.G.
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TABLE OF CONTENTS

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2.0	PROGRAM STATUS	3
2.1	GROUNDWATER FLOW RATE AND DIRECTION	3
2.2	SAMPLING SUMMARY	3
2.3	DATA QUALITY	5
3.0	RECOMMENDATIONS	6
4.0	REFERENCES	7

APPENDICES

A GROUNDWATER ANALYTICAL RESULTS

List of Figures

- 1-1** *Site Location Map*
- 1-2** *Coal Combustion Residual Units*

- 2-1** *Coal Combustion Residual Monitor Well Networks*
- 2-2** *October 2017 Potentiometric Map*

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 (ERM), on behalf of NRG Texas Power, LLC, and focuses on the initial annual groundwater monitoring results for SWDA Cell 2B in compliance with 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.

Landfill Cell 2B is part of the SWDA located to the north of the main Plant Area. Landfill Cell 2B is approximately 42 acres in size and is utilized for the final disposition of coal combustion residual waste.

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 monitoring wells	Figure 2.1
§257.90(e)(2)	Identification of new monitoring wells installed or abandoned during the preceding year.	There were no new monitoring 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-53, and six downgradient monitor wells MW-, MW-55, MW-56, MW-65, and MW-68. All of the monitor wells are screened in the uppermost transmissive zone around the SWDA. The uppermost aquifer is approximately 20 feet (ft) thick and is comprised of interlayered sand, silty sand, clayey sand, clayey sandy silt, and some gravelly sand. 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 with an average thickness of 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.

The hydraulic gradient for the sampling events was generally to the north/northeast toward the Brazos River located about one mile north/north east of the site. The hydraulic gradient rates ranged from 0.0007 to 0.0018 feet per foot during the October 2017 event. This range is consistent with other events. Based on the average measured hydraulic gradient of 0.001, an assumed porosity of 0.3, and an average measured hydraulic conductivity of 0.005 ft/min (ERM, 2017), the velocity of groundwater in the uppermost transmissive zone beneath the SWDA is estimated to be approximately 9 feet per year. A potentiometric surface map from the October 2017 event is included as Figure 2-2.

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-53
2016-07-08	X
2016-08-	X
2016-10-11	X
2016-11-30	X
2017-01-09	X
2017-03-09	X
2017-05-16	X
2017-07-19	X
2017-10-10	X
Total	9

TABLE 2-2: Sampling Dates for Each Downgradient Well

Sample Date	MW-35	MW-54	MW-55	MW-56	MW-65	MW-68
2016-07-07	X	X	X	X		
2016-08-31	X	X	X	X		
2016-10-11				X		
2016-10-12	X	X	X			
2016-11-29			X	X		
2016-11-30	X	X			X	X
2017-01-10	X	X	X	X	X	X
2017-02-08					X	X
2017-03-07	X	X	X	X		
2017-03-08					X	X
2017-04-06					X	X
2017-05-15					X	X
2017-05-16	X	X	X	X		
2017-06-15					X	X
2017-07-17	X	X	X	X		
2017-07-18		X			X	X
2017-10-09	X	X	X	X		
2017-10-10					X	X
Total	9	9	9	9	9	9

With one exception monitor wells were sampled for the Appendix III and Appendix IV analytes during sampling events performed through July 2017. During the July 2017 sampling event pH values at MW-35, MW-56, and MW-54 were not recorded in the field due to an equipment failure. Samples collected in October 2017 were analyzed for Appendix III analytes only. A summary of the data collected is provided in Appendix A.

2.3

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.

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.

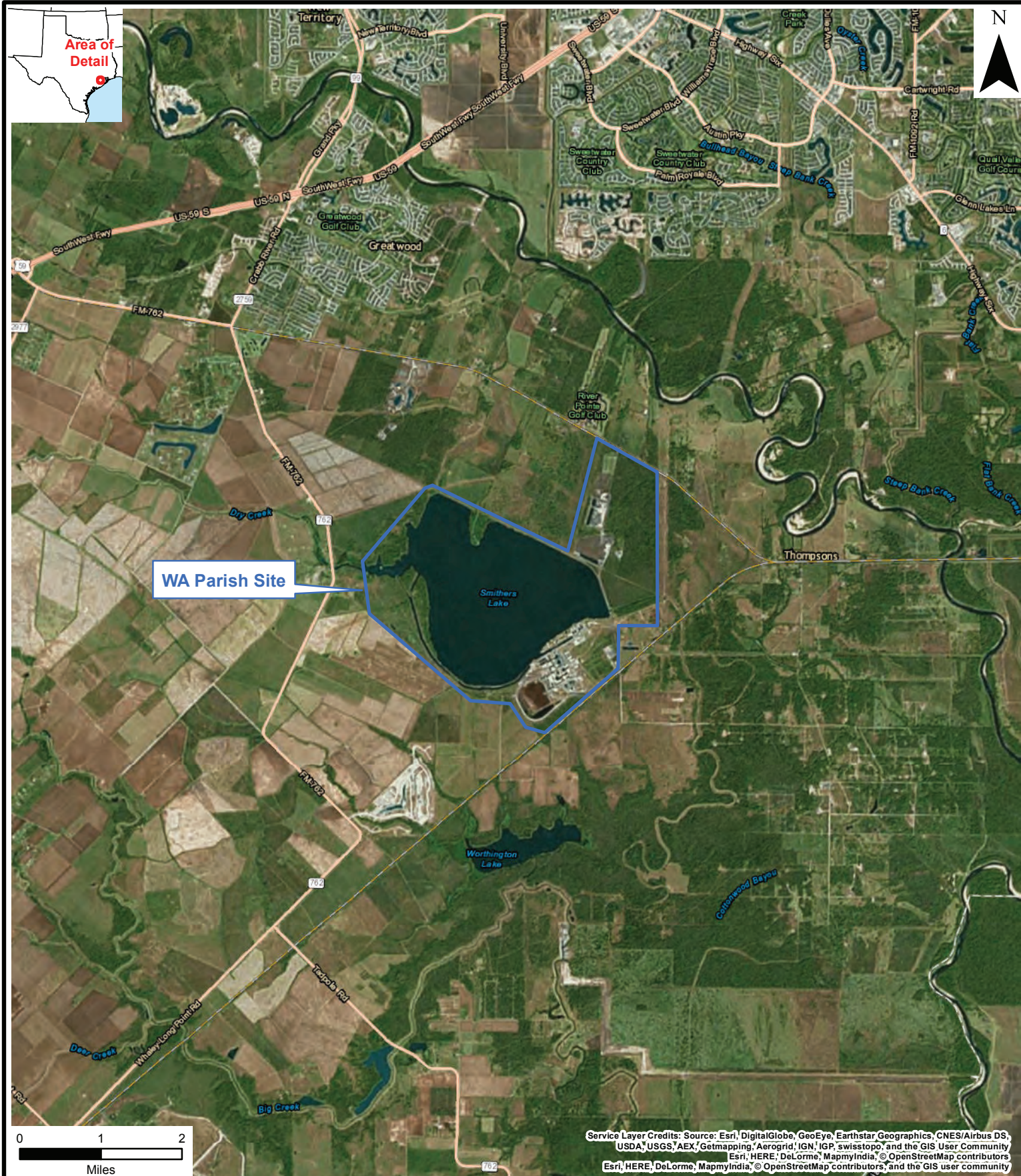
ERM. 2017. Groundwater Monitoring Network for Coal Combustions Residuals Rule Compliance. W.A. Parish. Thompsons, TX.

Figures

January 30, 2018
Project No. 0289614

Environmental Resources Management

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840 West Sam Houston Parkway North, Suite 600
Houston, Texas 77024-3920
(281) 600-1000



Environmental Resources Management

DESIGN:	DLW	DRAWN:	EFC	CHKD.:	.
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W.O.NO.: H:\DWG\IC16\0337925_SiteLoc.mxd, 3/9/2016 3:25:19 PM					

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



Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, ©OpenStreetMap contributors
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the
GIS User Community



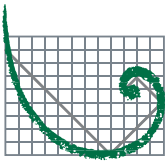
Environmental Resources Management

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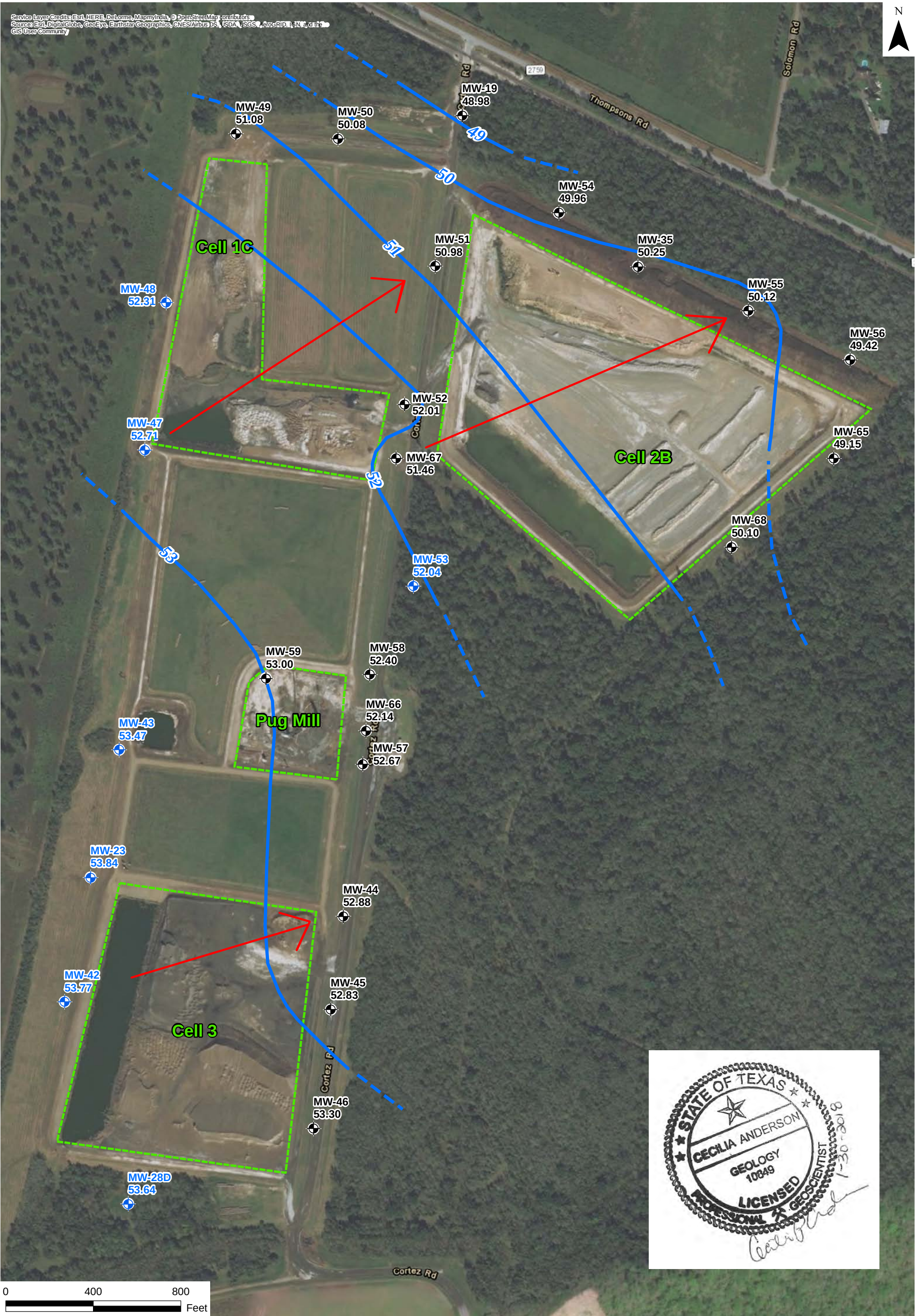
FIGURE 1-2
COAL COMBUSTION
RESIDUAL UNITS
NRG Texas Power, LLC
W.A. Parish Station
Thompsons, Texas

Legend

 CCR Unit Boundary



ERM



Environmental Resources Management

DESIGN:	LL	DRAWN:	EFC	CHKD.:	..
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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
- NM Not Measured



Groundwater Analytical Results
Appendix A

January 30, 2018
Project No. 0289614

Environmental Resources Management
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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
DUP01-20170307-01	MW-55	FD	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	57.6	mg/L			Y	9.57	50.0	50.0
DUP01-20170307-01	MW-55	FD	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	565	mg/L			Y	5.34	40.0	40.0
DUP01-20170307-01	MW-55	FD	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2.02	mg/L		J	Y	0.301	1.00	1.00
DUP01-20170307-01	MW-55	FD	3/7/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1770	mg/L			Y	20.0	20.0	20.0
DUP01-20170307-01	MW-55	FD	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.208	mg/L			Y	0.0700	0.100	0.100
DUP01-20170307-01	MW-55	FD	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	240	mg/L			Y	0.198	0.500	0.500
DUP-01-20170615-01	MW-65	FD	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	470	mg/L			Y	9.57	50.0	50.0
DUP-01-20170615-01	MW-65	FD	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	222	mg/L			Y	5.34	40.0	40.0
DUP-01-20170615-01	MW-65	FD	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.56	mg/L			Y	0.12	0.400	0.400
DUP-01-20170615-01	MW-65	FD	6/15/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1680	mg/L			Y	20.0	20.0	20.0
DUP-01-20170615-01	MW-65	FD	6/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.258	mg/L			Y	0.0700	0.100	0.100
DUP-01-20170615-01	MW-65	FD	6/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	204	mg/L			Y	0.198	0.500	0.500
DUP-020817-PM	MW-65	FD	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	463	mg/L			Y	9.57	50.0	50.0
DUP-020817-PM	MW-65	FD	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	254	mg/L			Y	5.34	40.0	40.0
DUP-020817-PM	MW-65	FD	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	20.9	mg/L			Y	6.01	20.0	20.0
DUP-020817-PM	MW-65	FD	2/8/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1500	mg/L			Y	20.0	20.0	20.0
DUP-020817-PM	MW-65	FD	2/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.26	mg/L			Y	0.0700	0.100	0.100
DUP-020817-PM	MW-65	FD	2/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	195	mg/L	b		Y	0.198	0.500	0.500
DUP-051617-PM	MW-56	FD	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	247	mg/L			Y	9.57	50.0	50.0
DUP-051617-PM	MW-56	FD	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	477	mg/L			Y	5.34	40.0	40.0
DUP-051617-PM	MW-56	FD	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.74	mg/L			Y	0.301	1.00	1.00
DUP-051617-PM	MW-56	FD	5/16/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1720	mg/L			Y	20.0	20.0	20.0
DUP-051617-PM	MW-56	FD	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.765	mg/L			Y	0.0700	0.100	0.100
DUP-051617-PM	MW-56	FD	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	93.6	mg/L			Y	0.198	0.500	0.500
MW-35-20160707-01	MW-35	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	6.93	mg/L			Y	0.0957	0.500	0.500
MW-35-20160707-01	MW-35	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	23.5	mg/L			Y	0.0534	0.400	0.400
MW-35-20160707-01	MW-35	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.162	mg/L	J	J	Y	0.0601	0.200	0.200
MW-35-20160707-01	MW-35	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	339	mg/L			Y	10.0	10.0	10.0
MW-35-20160707-01	MW-35	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.103	mg/L			Y	0.0700	0.100	0.100
MW-35-20160707-01	MW-35	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	70.9	mg/L			Y	0.198	0.500	0.500
MW-35-20160707-02	MW-35	N	7/7/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.11	pH units			Y			
MW-35-20160831-01	MW-35	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	58.3	mg/L			Y	2.39	12.5	12.5
MW-35-20160831-01	MW-35	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	233	mg/L			Y	1.34	10.0	10.0
MW-35-20160831-01	MW-35	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.152	mg/L	J	J	Y	0.0601	0.200	0.200
MW-35-20160831-01	MW-35	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	952	mg/L			Y	20.0	20.0	20.0
MW-35-20160831-01	MW-35	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.125	mg/L		JH	Y	0.0700	0.100	0.100
MW-35-20160831-01	MW-35	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	125	mg/L		JH	Y	0.198	0.500	0.500
MW-35-20160831-02	MW-35	N	8/31/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.03	pH units			Y			
MW-35-20161012-02	MW-35	N	10/12/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.03	pH units			Y			
MW-35-20161012-01	MW-35	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	60.9	mg/L			Y	4.79	25.0	25.0
MW-35-20161012-01	MW-35	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	254	mg/L			Y	2.67	20.0	20.0
MW-35-20161012-01	MW-35	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.224	mg/L			Y	0.0601	0.200	0.200
MW-35-20161012-01	MW-35	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	958	mg/L			Y	20.0	20.0	20.0
MW-35-20161012-01	MW-35	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.154	mg/L			Y	0.0700	0.100	0.100
MW-35-20161012-01	MW-35	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	141	mg/L			Y	0.198	0.500	0.500
MW-35-20161130-02	MW-35	N	11/30/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	8.89	pH units			Y			
DUP-113016-PM	MW-35	FD	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	36.2	mg/L		JL	Y	0.0957	0.500	0.500
DUP-113016-PM	MW-35	FD	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	135	mg/L		JL	Y	1.07	8.00	8.00
DUP-113016-PM	MW-35	FD	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.381	mg/L		JL	Y	0.0601	0.200	0.200
DUP-113016-PM	MW-35	FD	11/30/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	565	mg/L		J	Y	10.0	10.0	10.0
DUP-113016-PM	MW-35	FD	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.185	mg/L		JH	Y	0.0700	0.100	0.100
DUP-113016-PM	MW-35	FD	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	122	mg/L	b		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-35-20161130-01	MW-35	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	17.1	mg/L		JL	Y	0.0957	0.500	0.500
MW-35-20161130-01	MW-35	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	65.4	mg/L		JL	Y	0.534	4.00	4.00
MW-35-20161130-01	MW-35	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.343	mg/L		JL	Y	0.0601	0.200	0.200
MW-35-20161130-01	MW-35	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	346	mg/L		J	Y	10.0	10.0	10.0
MW-35-20161130-01	MW-35	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.216	mg/L		JH	Y	0.0700	0.100	0.100
MW-35-20161130-01	MW-35	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	130	mg/L	b		Y	0.198	0.500	0.500
MW-35-20170110-01	MW-35	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	77.8	mg/L			Y	1.91	10.0	10.0
MW-35-20170110-01	MW-35	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	241	mg/L			Y	1.07	8.00	8.00
MW-35-20170110-01	MW-35	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.15	mg/L			Y	1.20	4.00	4.00
MW-35-20170110-01	MW-35	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	802	mg/L			Y	20.0	20.0	20.0
MW-35-20170110-01	MW-35	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.2	mg/L			Y	0.0700	0.100	0.100
MW-35-20170110-01	MW-35	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	116	mg/L	^		Y	0.198	0.500	0.500
MW-35-20170110-02	MW-35	N	1/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.12	pH units			Y			
MW-35-20170307-01	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	92.6	mg/L			Y	4.79	25.0	25.0
MW-35-20170307-01	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	231	mg/L			Y	2.67	20.0	20.0
MW-35-20170307-01	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.36	mg/L			Y	0.301	1.00	1.00
MW-35-20170307-01	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	798	mg/L			Y	20.0	20.0	20.0
MW-35-20170307-01	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.229	mg/L			Y	0.0700	0.100	0.100
MW-35-20170307-01	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	129	mg/L			Y	0.198	0.500	0.500
MW-35-20170307-02	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.16	pH units			Y			
MW-35-20170308-02	MW-35	N	3/7/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.16	pH units			Y			
MW-35-20170516-01	MW-35	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	43.3	mg/L			Y	4.79	25.0	25.0
MW-35-20170516-01	MW-35	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	278	mg/L			Y	2.67	20.0	20.0
MW-35-20170516-01	MW-35	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.314	mg/L	J	J	Y	0.120	0.400	0.400
MW-35-20170516-01	MW-35	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	768	mg/L			Y	20.0	20.0	20.0
MW-35-20170516-01	MW-35	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.0953	mg/L	J	J	Y	0.0700	0.100	0.100
MW-35-20170516-01	MW-35	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	24.7	mg/L			Y	0.198	0.500	0.500
MW-35-20170516-02	MW-35	N	5/16/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.02	pH units			Y			
MW-35-20170717-01	MW-35	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	59.7	mg/L			Y	4.79	25.0	25.0
MW-35-20170717-01	MW-35	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	312	mg/L			Y	2.67	20.0	20.0
MW-35-20170717-01	MW-35	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.814	mg/L	J	J	Y	0.301	1.00	1.00
MW-35-20170717-01	MW-35	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	854	mg/L			Y	20.0	20.0	20.0
MW-35-20170717-01	MW-35	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.119	mg/L			Y	0.0700	0.100	0.100
MW-35-20170717-01	MW-35	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	39	mg/L			Y	0.198	0.500	0.500
MW-35-20171009-01	MW-35	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	40.6	mg/L			Y	1.91	10.0	10.0
MW-35-20171009-01	MW-35	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	133	mg/L			Y	1.07	8.00	8.00
MW-35-20171009-01	MW-35	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.156	mg/L	J	J	Y	0.120	0.400	0.400
MW-35-20171009-01	MW-35	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	623	mg/L			Y	10.0	10.0	10.0
MW-35-20171009-01	MW-35	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.106	mg/L			Y	0.0700	0.100	0.100
MW-35-20171009-01	MW-35	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	140	mg/L		J	Y	0.198	0.500	0.500
MW-35-20171009-02	MW-35	N	10/9/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.96	pH units			Y			
MW-53-20160708-01	MW-53	N	7/8/2016	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	232	mg/L			Y	4.79	25.0	25.0
MW-53-20160708-01	MW-53	N	7/8/2016	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	397	mg/L			Y	2.67	20.0	20.0
MW-53-20160708-01	MW-53	N	7/8/2016	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.819	mg/L			Y	0.0601	0.200	0.200
MW-53-20160708-01	MW-53	N	7/8/2016	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1290	mg/L			Y	20.0	20.0	20.0
MW-53-20160708-01	MW-53	N	7/8/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.502	mg/L			Y	0.0700	0.100	0.100
MW-53-20160708-01	MW-53	N	7/8/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	121	mg/L			Y	0.198	0.500	0.500
MW-53-20160708-02	MW-53	N	7/8/2016	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.24	pH units			Y			
MW-53-20160831-01	MW-53	N	8/31/2016	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	185	mg/L			Y	4.79	25.0	25.0
MW-53-20160831-01	MW-53	N	8/31/2016	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	473	mg/L			Y	5.34	40.0	40.0
MW-53-20160831-01	MW-53	N	8/31/2016	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.617	mg/L			Y	0.120	0.400	0.400
MW-53-20160831-01	MW-53	N	8/31/2016	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1370	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-53-20160831-01	MW-53	N	8/31/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.379	mg/L		JH	Y	0.0700	0.100	0.100
MW-53-20160831-01	MW-53	N	8/31/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	125	mg/L		JH	Y	0.198	0.500	0.500
MW-53-20160831-02	MW-53	N	8/31/2016	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-53-20161011-01	MW-53	N	10/11/2016	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	130	mg/L			Y	9.57	50.0	50.0
MW-53-20161011-01	MW-53	N	10/11/2016	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	480	mg/L			Y	5.34	40.0	40.0
MW-53-20161011-01	MW-53	N	10/11/2016	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.792	mg/L			Y	0.120	0.400	0.400
MW-53-20161011-01	MW-53	N	10/11/2016	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2030	mg/L			Y	20.0	20.0	20.0
MW-53-20161011-01	MW-53	N	10/11/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.341	mg/L			Y	0.0700	0.100	0.100
MW-53-20161011-01	MW-53	N	10/11/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	125	mg/L			Y	0.198	0.500	0.500
MW-53-20161011-02	MW-53	N	10/11/2016	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.04	pH units			Y			
MW-53-20161130-01	MW-53	N	11/30/2016	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	138	mg/L	H	JL	Y	1.91	10.0	10.0
MW-53-20161130-01	MW-53	N	11/30/2016	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	398	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-53-20161130-01	MW-53	N	11/30/2016	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.771	mg/L	H	JL	Y	0.0601	0.200	0.200
MW-53-20161130-01	MW-53	N	11/30/2016	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1260	mg/L			Y	20.0	20.0	20.0
MW-53-20161130-01	MW-53	N	11/30/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.427	mg/L		JH	Y	0.0700	0.100	0.100
MW-53-20161130-01	MW-53	N	11/30/2016	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	132	mg/L	b		Y	0.198	0.500	0.500
MW-53-20161130-02	MW-53	N	11/30/2016	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.13	pH units			Y			
MW-53-20170109-01	MW-53	N	1/9/2017	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	143	mg/L			Y	1.91	10.0	10.0
MW-53-20170109-01	MW-53	N	1/9/2017	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	466	mg/L			Y	1.07	8.00	8.00
MW-53-20170109-01	MW-53	N	1/9/2017	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.45	mg/L			Y	1.20	4.00	4.00
MW-53-20170109-01	MW-53	N	1/9/2017	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1260	mg/L			Y	20.0	20.0	20.0
MW-53-20170109-01	MW-53	N	1/9/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.382	mg/L			Y	0.0700	0.100	0.100
MW-53-20170109-01	MW-53	N	1/9/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	119	mg/L	^		Y	0.198	0.500	0.500
MW-53-20170109-02	MW-53	N	1/9/2017	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.11	pH units			Y			
MW-53-20170309-01	MW-53	N	3/9/2017	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	162	mg/L			Y	0.957	5.00	5.00
MW-53-20170309-01	MW-53	N	3/9/2017	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	459	mg/L			Y	5.34	40.0	40.0
MW-53-20170309-01	MW-53	N	3/9/2017	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	3.08	mg/L			Y	0.601	2.00	2.00
MW-53-20170309-01	MW-53	N	3/9/2017	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1350	mg/L		JL	Y	20.0	20.0	20.0
MW-53-20170309-01	MW-53	N	3/9/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.381	mg/L			Y	0.0700	0.100	0.100
MW-53-20170309-01	MW-53	N	3/9/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	143	mg/L			Y	0.198	0.500	0.500
MW-53-20170309-02	MW-53	N	3/9/2017	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.12	pH units			Y			
MW-53-20170516-01	MW-53	N	5/16/2017	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	122	mg/L			Y	9.57	50.0	50.0
MW-53-20170516-01	MW-53	N	5/16/2017	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	426	mg/L			Y	5.34	40.0	40.0
MW-53-20170516-01	MW-53	N	5/16/2017	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.44	mg/L			Y	0.301	1.00	1.00
MW-53-20170516-01	MW-53	N	5/16/2017	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1460	mg/L			Y	20.0	20.0	20.0
MW-53-20170516-01	MW-53	N	5/16/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.369	mg/L			Y	0.0700	0.100	0.100
MW-53-20170516-01	MW-53	N	5/16/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	129	mg/L			Y	0.198	0.500	0.500
MW-53-20170516-02	MW-53	N	5/16/2017	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.04	pH units			Y			
MW-53-20170719-01	MW-53	N	7/19/2017	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	100	mg/L			Y	9.57	50.0	50.0
MW-53-20170719-01	MW-53	N	7/19/2017	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	432	mg/L			Y	5.34	40.0	40.0
MW-53-20170719-01	MW-53	N	7/19/2017	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.906	mg/L	J	J	Y	0.301	1.00	1.00
MW-53-20170719-01	MW-53	N	7/19/2017	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1380	mg/L			Y	20.0	20.0	20.0
MW-53-20170719-01	MW-53	N	7/19/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.398	mg/L			Y	0.0700	0.100	0.100
MW-53-20170719-01	MW-53	N	7/19/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	135	mg/L			Y	0.198	0.500	0.500
MW-53-20170719-02	MW-53	N	7/19/2017	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-53-20171010-01	MW-53	N	10/10/2017	Cell 2B	Initial	Upgradient	N	E300	14808-79-8	Sulfate	144	mg/L			Y	1.91	10.0	10.0
MW-53-20171010-01	MW-53	N	10/10/2017	Cell 2B	Initial	Upgradient	N	E300	16887-00-6	Chloride	649	mg/L			Y	1.07	8.00	8.00
MW-53-20171010-01	MW-53	N	10/10/2017	Cell 2B	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4	mg/L	U	U	N	1.20	4.00	4.00
MW-53-20171010-01	MW-53	N	10/10/2017	Cell 2B	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1430	mg/L			Y	20.0	20.0	20.0
MW-53-20171010-01	MW-53	N	10/10/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.398	mg/L			Y	0.0700	0.100	0.100
MW-53-20171010-01	MW-53	N	10/10/2017	Cell 2B	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	153	mg/L		J	Y	0.198	0.500	0.500
MW-53-20171010-02	MW-53	N	10/10/2017	Cell 2B	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.03	pH units			Y			

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-54-20160707-01	MW-54	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	93	mg/L			Y	0.479	2.50	2.50
MW-54-20160707-01	MW-54	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	201	mg/L			Y	1.34	10.0	10.0
MW-54-20160707-01	MW-54	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.666	mg/L			Y	0.0601	0.200	0.200
MW-54-20160707-01	MW-54	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	710	mg/L			Y	20.0	20.0	20.0
MW-54-20160707-01	MW-54	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.274	mg/L			Y	0.0700	0.100	0.100
MW-54-20160707-01	MW-54	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	87	mg/L			Y	0.198	0.500	0.500
MW-54-20160707-02	MW-54	N	7/7/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.42	pH units			Y			
MW-54-20160831-01	MW-54	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	97.3	mg/L			Y	2.39	12.5	12.5
MW-54-20160831-01	MW-54	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	293	mg/L			Y	1.34	10.0	10.0
MW-54-20160831-01	MW-54	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.514	mg/L			Y	0.120	0.400	0.400
MW-54-20160831-01	MW-54	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	908	mg/L			Y	20.0	20.0	20.0
MW-54-20160831-01	MW-54	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.244	mg/L		JH	Y	0.0700	0.100	0.100
MW-54-20160831-01	MW-54	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	83.2	mg/L		JH	Y	0.198	0.500	0.500
MW-54-20160831-02	MW-54	N	8/31/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.17	pH units			Y			
MW-54-20161012-01	MW-54	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	85.1	mg/L			Y	4.79	25.0	25.0
MW-54-20161012-01	MW-54	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	254	mg/L			Y	2.67	20.0	20.0
MW-54-20161012-01	MW-54	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.5	mg/L			Y	0.0601	0.200	0.200
MW-54-20161012-01	MW-54	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	936	mg/L			Y	20.0	20.0	20.0
MW-54-20161012-01	MW-54	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.263	mg/L			Y	0.0700	0.100	0.100
MW-54-20161012-01	MW-54	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	98.6	mg/L			Y	0.198	0.500	0.500
MW-54-20161012-02	MW-54	N	10/12/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-54-20161130-01	MW-54	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	253	mg/L		JL	Y	4.79	25.0	25.0
MW-54-20161130-01	MW-54	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	227	mg/L		JL	Y	2.67	20.0	20.0
MW-54-20161130-01	MW-54	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.586	mg/L		JL	Y	0.0601	0.200	0.200
MW-54-20161130-01	MW-54	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	822	mg/L			Y	20.0	20.0	20.0
MW-54-20161130-01	MW-54	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.392	mg/L		JH	Y	0.0700	0.100	0.100
MW-54-20161130-01	MW-54	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	105	mg/L	b		Y	0.198	0.500	0.500
MW-54-20161130-02	MW-54	N	11/30/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.13	pH units			Y			
MW-54-20170110-01	MW-54	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	85.6	mg/L			Y	1.91	10.0	10.0
MW-54-20170110-01	MW-54	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	246	mg/L			Y	1.07	8.00	8.00
MW-54-20170110-01	MW-54	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.41	mg/L			Y	1.20	4.00	4.00
MW-54-20170110-01	MW-54	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	868	mg/L			Y	20.0	20.0	20.0
MW-54-20170110-01	MW-54	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.281	mg/L			Y	0.0700	0.100	0.100
MW-54-20170110-01	MW-54	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	90.3	mg/L	^		Y	0.198	0.500	0.500
MW-54-20170110-02	MW-54	N	1/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.16	pH units			Y			
MW-54-20170307-01	MW-54	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	97.8	mg/L			Y	4.79	25.0	25.0
MW-54-20170307-01	MW-54	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	249	mg/L			Y	2.67	20.0	20.0
MW-54-20170307-01	MW-54	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	10.4	mg/L			Y	3.01	10.0	10.0
MW-54-20170307-01	MW-54	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	918	mg/L			Y	20.0	20.0	20.0
MW-54-20170307-01	MW-54	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.299	mg/L			Y	0.0700	0.100	0.100
MW-54-20170307-01	MW-54	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	105	mg/L			Y	0.198	0.500	0.500
MW-54-20170307-02	MW-54	N	3/7/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.21	pH units			Y			
MW-54-20170516-01	MW-54	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	85.6	mg/L			Y	0.957	5.00	5.00
MW-54-20170516-01	MW-54	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	234	mg/L			Y	2.67	20.0	20.0
MW-54-20170516-01	MW-54	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.04	mg/L			Y	0.301	1.00	1.00
MW-54-20170516-01	MW-54	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1030	mg/L			Y	20.0	20.0	20.0
MW-54-20170516-01	MW-54	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.268	mg/L			Y	0.0700	0.100	0.100
MW-54-20170516-01	MW-54	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	89.8	mg/L			Y	0.198	0.500	0.500
MW-54-20170516-02	MW-54	N	5/16/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.08	pH units			Y			
MW-54-20170718-01	MW-54	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	69.1	mg/L			Y	4.79	25.0	25.0
MW-54-20170718-01	MW-54	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	234	mg/L			Y	2.67	20.0	20.0
MW-54-20170718-01	MW-54	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.667	mg/L			Y	0.120	0.400	0.400

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-54-20170718-01	MW-54	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	936	mg/L			Y	20.0	20.0	20.0
MW-54-20170718-01	MW-54	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.269	mg/L			Y	0.0700	0.100	0.100
MW-54-20170718-01	MW-54	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	90.6	mg/L	b	JH	Y	0.198	0.500	0.500
MW-54-20170718-02	MW-54	N	7/18/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-54-20171009-01	MW-54	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	87.5	mg/L			Y	9.57	50.0	50.0
MW-54-20171009-01	MW-54	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	257	mg/L			Y	5.34	40.0	40.0
MW-54-20171009-01	MW-54	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.53	mg/L	J	J	Y	0.301	1.00	1.00
MW-54-20171009-01	MW-54	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	930	mg/L			Y	20.0	20.0	20.0
MW-54-20171009-01	MW-54	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.287	mg/L			Y	0.0700	0.100	0.100
MW-54-20171009-01	MW-54	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	108	mg/L		J	Y	0.198	0.500	0.500
MW-54-20171009-02	MW-54	N	10/9/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.12	pH units			Y			
MW-55-20160707-01	MW-55	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	84.4	mg/L			Y	2.39	12.5	12.5
MW-55-20160707-01	MW-55	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	261	mg/L			Y	1.34	10.0	10.0
MW-55-20160707-01	MW-55	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.69	mg/L			Y	0.0601	0.200	0.200
MW-55-20160707-01	MW-55	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	758	mg/L			Y	20.0	20.0	20.0
MW-55-20160707-01	MW-55	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.352	mg/L			Y	0.0700	0.100	0.100
MW-55-20160707-01	MW-55	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	72.5	mg/L			Y	0.198	0.500	0.500
MW-55-20160707-02	MW-55	N	7/7/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	8.85	pH units			Y			
MW-55-20160831-01	MW-55	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	73.7	mg/L			Y	9.57	50.0	50.0
MW-55-20160831-01	MW-55	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	345	mg/L			Y	5.34	40.0	40.0
MW-55-20160831-01	MW-55	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.609	mg/L			Y	0.120	0.400	0.400
MW-55-20160831-01	MW-55	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1260	mg/L			Y	20.0	20.0	20.0
MW-55-20160831-01	MW-55	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.174	mg/L		JH	Y	0.0700	0.100	0.100
MW-55-20160831-01	MW-55	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	137	mg/L		JH	Y	0.198	0.500	0.500
MW-55-20160831-02	MW-55	N	8/31/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	12.1	pH units			Y			
MW-55-20161012-01	MW-55	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	75.3	mg/L			Y	4.79	25.0	25.0
MW-55-20161012-01	MW-55	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	371	mg/L			Y	2.67	20.0	20.0
MW-55-20161012-01	MW-55	N	10/12/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.08	mg/L			Y	0.120	0.400	0.400
MW-55-20161012-01	MW-55	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	862	mg/L			Y	20.0	20.0	20.0
MW-55-20161012-01	MW-55	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.16	mg/L			Y	0.0700	0.100	0.100
MW-55-20161012-01	MW-55	N	10/12/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	76.9	mg/L			Y	0.198	0.500	0.500
MW-55-20161012-02	MW-55	N	10/12/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.33	pH units			Y			
MW-55-20161129-01	MW-55	N	11/29/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	64.3	mg/L			Y	4.79	25.0	25.0
MW-55-20161129-01	MW-55	N	11/29/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	393	mg/L			Y	2.67	20.0	20.0
MW-55-20161129-01	MW-55	N	11/29/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.992	mg/L			Y	0.120	0.400	0.400
MW-55-20161129-01	MW-55	N	11/29/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	790	mg/L			Y	20.0	20.0	20.0
MW-55-20161129-01	MW-55	N	11/29/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.221	mg/L			Y	0.0700	0.100	0.100
MW-55-20161129-01	MW-55	N	11/29/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	54.4	mg/L			Y	0.198	0.500	0.500
MW-55-20161129-02	MW-55	N	11/29/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	10.89	pH units			Y			
MW-55-20170110-01	MW-55	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	56.5	mg/L			Y	1.91	10.0	10.0
MW-55-20170110-01	MW-55	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	504	mg/L			Y	1.07	8.00	8.00
MW-55-20170110-01	MW-55	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.52	mg/L			Y	1.20	4.00	4.00
MW-55-20170110-01	MW-55	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1390	mg/L			Y	20.0	20.0	20.0
MW-55-20170110-01	MW-55	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.181	mg/L			Y	0.0700	0.100	0.100
MW-55-20170110-01	MW-55	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	163	mg/L	^		Y	0.198	0.500	0.500
MW-55-20170110-02	MW-55	N	1/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.81	pH units			Y			
MW-55-20170307-01	MW-55	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	48.8	mg/L			Y	1.91	10.0	10.0
MW-55-20170307-01	MW-55	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	606	mg/L			Y	1.07	8.00	8.00
MW-55-20170307-01	MW-55	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.62	mg/L		J	Y	1.20	4.00	4.00
MW-55-20170307-01	MW-55	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1810	mg/L			Y	20.0	20.0	20.0
MW-55-20170307-01	MW-55	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.18	mg/L			Y	0.0700	0.100	0.100
MW-55-20170307-01	MW-55	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	256	mg/L			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-55-20170307-02	MW-55	N	3/7/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	12.05	pH units			Y			
MW-55-20170516-01	MW-55	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	51	mg/L			Y	0.957	5.00	5.00
MW-55-20170516-01	MW-55	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	541	mg/L			Y	5.34	40.0	40.0
MW-55-20170516-01	MW-55	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.45	mg/L			Y	0.301	1.00	1.00
MW-55-20170516-01	MW-55	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1880	mg/L			Y	20.0	20.0	20.0
MW-55-20170516-01	MW-55	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.176	mg/L			Y	0.0700	0.100	0.100
MW-55-20170516-01	MW-55	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	145	mg/L			Y	0.198	0.500	0.500
MW-55-20170516-02	MW-55	N	5/16/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.46	pH units			Y			
MW-55-20170717-01	MW-55	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	52.5	mg/L			Y	0.479	2.50	2.50
MW-55-20170717-01	MW-55	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	581	mg/L			Y	10.7	80.0	80.0
MW-55-20170717-01	MW-55	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.818	mg/L	J	J	Y	0.301	1.00	1.00
MW-55-20170717-01	MW-55	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2290	mg/L			Y	20.0	20.0	20.0
MW-55-20170717-01	MW-55	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.158	mg/L			Y	0.0700	0.100	0.100
MW-55-20170717-01	MW-55	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	312	mg/L			Y	0.198	0.500	0.500
MW-55-20171009-01	MW-55	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	52.4	mg/L			Y	0.957	5.00	5.00
MW-55-20171009-01	MW-55	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	622	mg/L			Y	5.34	40.0	40.0
MW-55-20171009-01	MW-55	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.947	mg/L	J	J	Y	0.601	2.00	2.00
MW-55-20171009-01	MW-55	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1750	mg/L			Y	20.0	20.0	20.0
MW-55-20171009-01	MW-55	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.178	mg/L			Y	0.0700	0.100	0.100
MW-55-20171009-01	MW-55	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	211	mg/L		J	Y	0.198	0.500	0.500
MW-55-20171009-02	MW-55	N	10/9/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.78	pH units			Y			
MW-56-20160707-01	MW-56	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	328	mg/L			Y	4.79	25.0	25.0
MW-56-20160707-01	MW-56	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	566	mg/L			Y	2.67	20.0	20.0
MW-56-20160707-01	MW-56	N	7/7/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.909	mg/L			Y	0.0601	0.200	0.200
MW-56-20160707-01	MW-56	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1620	mg/L			Y	20.0	20.0	20.0
MW-56-20160707-01	MW-56	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.806	mg/L			Y	0.0700	0.100	0.100
MW-56-20160707-01	MW-56	N	7/7/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	72.8	mg/L			Y	0.198	0.500	0.500
MW-56-20160707-02	MW-56	N	7/7/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.44	pH units			Y			
MW-56-20160831-01	MW-56	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	317	mg/L			Y	9.57	50.0	50.0
MW-56-20160831-01	MW-56	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	563	mg/L			Y	5.34	40.0	40.0
MW-56-20160831-01	MW-56	N	8/31/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.806	mg/L			Y	0.120	0.400	0.400
MW-56-20160831-01	MW-56	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1690	mg/L			Y	20.0	20.0	20.0
MW-56-20160831-01	MW-56	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.808	mg/L		JH	Y	0.0700	0.100	0.100
MW-56-20160831-01	MW-56	N	8/31/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	75	mg/L		JH	Y	0.198	0.500	0.500
MW-56-20160831-02	MW-56	N	8/31/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.68	pH units			Y			
MW-56-20161011-01	MW-56	N	10/11/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	396	mg/L			Y	9.57	50.0	50.0
MW-56-20161011-01	MW-56	N	10/11/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	530	mg/L			Y	5.34	40.0	40.0
MW-56-20161011-01	MW-56	N	10/11/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.18	mg/L			Y	0.120	0.400	0.400
MW-56-20161011-01	MW-56	N	10/11/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2000	mg/L			Y	20.0	20.0	20.0
MW-56-20161011-01	MW-56	N	10/11/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.77	mg/L			Y	0.0700	0.100	0.100
MW-56-20161011-01	MW-56	N	10/11/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	98.8	mg/L			Y	0.198	0.500	0.500
MW-56-20161011-02	MW-56	N	10/11/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.06	pH units			Y			
MW-56-20161129-01	MW-56	N	11/29/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	202	mg/L			Y	9.57	50.0	50.0
MW-56-20161129-01	MW-56	N	11/29/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	514	mg/L			Y	5.34	40.0	40.0
MW-56-20161129-01	MW-56	N	11/29/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.15	mg/L			Y	0.120	0.400	0.400
MW-56-20161129-01	MW-56	N	11/29/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1530	mg/L			Y	20.0	20.0	20.0
MW-56-20161129-01	MW-56	N	11/29/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.941	mg/L			Y	0.0700	0.100	0.100
MW-56-20161129-01	MW-56	N	11/29/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	94.2	mg/L			Y	0.198	0.500	0.500
MW-56-20161129-02	MW-56	N	11/29/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.1	pH units			Y			
MW-56-20170110-01	MW-56	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	228	mg/L			Y	1.91	10.0	10.0
MW-56-20170110-01	MW-56	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	487	mg/L			Y	1.07	8.00	8.00
MW-56-20170110-01	MW-56	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.59	mg/L			Y	1.20	4.00	4.00

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-56-20170110-01	MW-56	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1550	mg/L			Y	20.0	20.0	20.0
MW-56-20170110-01	MW-56	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.859	mg/L			Y	0.0700	0.100	0.100
MW-56-20170110-01	MW-56	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	95.3	mg/L	^		Y	0.198	0.500	0.500
MW-56-20170110-02	MW-56	N	1/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.59	pH units			Y			
MW-56-20170307-01	MW-56	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	247	mg/L			Y	9.57	50.0	50.0
MW-56-20170307-01	MW-56	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	489	mg/L			Y	5.34	40.0	40.0
MW-56-20170307-01	MW-56	N	3/7/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2.12	mg/L			Y	0.301	1.00	1.00
MW-56-20170307-01	MW-56	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1580	mg/L			Y	20.0	20.0	20.0
MW-56-20170307-01	MW-56	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.04	mg/L			Y	0.0700	0.100	0.100
MW-56-20170307-01	MW-56	N	3/7/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	114	mg/L			Y	0.198	0.500	0.500
MW-56-20170307-02	MW-56	N	3/7/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.23	pH units			Y			
MW-56-20170516-01	MW-56	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	239	mg/L			Y	9.57	50.0	50.0
MW-56-20170516-01	MW-56	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	465	mg/L			Y	5.34	40.0	40.0
MW-56-20170516-01	MW-56	N	5/16/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.58	mg/L			Y	0.301	1.00	1.00
MW-56-20170516-01	MW-56	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1690	mg/L			Y	20.0	20.0	20.0
MW-56-20170516-01	MW-56	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.688	mg/L			Y	0.0700	0.100	0.100
MW-56-20170516-01	MW-56	N	5/16/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	79.4	mg/L			Y	0.198	0.500	0.500
MW-56-20170516-02	MW-56	N	5/16/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.08	pH units			Y			
MW-56-20170717-01	MW-56	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	281	mg/L			Y	9.57	50.0	50.0
MW-56-20170717-01	MW-56	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	524	mg/L			Y	5.34	40.0	40.0
MW-56-20170717-01	MW-56	N	7/17/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.12	mg/L			Y	0.301	1.00	1.00
MW-56-20170717-01	MW-56	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1630	mg/L			Y	20.0	20.0	20.0
MW-56-20170717-01	MW-56	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.862	mg/L			Y	0.0700	0.100	0.100
MW-56-20170717-01	MW-56	N	7/17/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	88	mg/L			Y	0.198	0.500	0.500
MW-56-20171009-01	MW-56	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	400	mg/L			Y	9.57	50.0	50.0
MW-56-20171009-01	MW-56	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	843	mg/L			Y	5.34	40.0	40.0
MW-56-20171009-01	MW-56	N	10/9/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.49	mg/L	J	J	Y	0.601	2.00	2.00
MW-56-20171009-01	MW-56	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1650	mg/L			Y	20.0	20.0	20.0
MW-56-20171009-01	MW-56	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.934	mg/L			Y	0.0700	0.100	0.100
MW-56-20171009-01	MW-56	N	10/9/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	113	mg/L		J	Y	0.198	0.500	0.500
MW-56-20171009-02	MW-56	N	10/9/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-65-20161130-01	MW-65	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	700	mg/L	H	JL	Y	4.79	25.0	25.0
MW-65-20161130-01	MW-65	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	252	mg/L	Hb	JL	Y	2.67	20.0	20.0
MW-65-20161130-01	MW-65	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.522	mg/L	H	JL	Y	0.0601	0.200	0.200
MW-65-20161130-01	MW-65	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1450	mg/L			Y	20.0	20.0	20.0
MW-65-20161130-01	MW-65	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.291	mg/L		JH	Y	0.0700	0.100	0.100
MW-65-20161130-01	MW-65	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	194	mg/L	b		Y	0.198	0.500	0.500
MW-65-20161130-02	MW-65	N	11/30/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-65-20170110-01	MW-65	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	464	mg/L			Y	1.91	10.0	10.0
MW-65-20170110-01	MW-65	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	249	mg/L			Y	1.07	8.00	8.00
MW-65-20170110-01	MW-65	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.3	mg/L			Y	1.20	4.00	4.00
MW-65-20170110-01	MW-65	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1630	mg/L			Y	20.0	20.0	20.0
MW-65-20170110-01	MW-65	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.278	mg/L			Y	0.0700	0.100	0.100
MW-65-20170110-01	MW-65	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	183	mg/L	^		Y	0.198	0.500	0.500
MW-65-20170110-02	MW-65	N	1/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.37	pH units			Y			
MW-65-20170208-01	MW-65	N	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	413	mg/L			Y	9.57	50.0	50.0
MW-65-20170208-01	MW-65	N	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	251	mg/L			Y	5.34	40.0	40.0
MW-65-20170208-01	MW-65	N	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	20.8	mg/L			Y	6.01	20.0	20.0
MW-65-20170208-01	MW-65	N	2/8/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1410	mg/L			Y	20.0	20.0	20.0
MW-65-20170208-01	MW-65	N	2/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.264	mg/L			Y	0.0700	0.100	0.100
MW-65-20170208-01	MW-65	N	2/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	189	mg/L	b		Y	0.198	0.500	0.500
MW-65-20170208-02	MW-65	N	2/8/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.18	pH units			Y			

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-65-20170308-01	MW-65	N	3/8/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	571	mg/L			Y	9.57	50.0	50.0
MW-65-20170308-01	MW-65	N	3/8/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	258	mg/L			Y	5.34	40.0	40.0
MW-65-20170308-01	MW-65	N	3/8/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.5	mg/L			Y	0.301	1.00	1.00
MW-65-20170308-01	MW-65	N	3/8/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	856	mg/L			Y	20.0	20.0	20.0
MW-65-20170308-01	MW-65	N	3/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.292	mg/L			Y	0.0700	0.100	0.100
MW-65-20170308-01	MW-65	N	3/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	220	mg/L			Y	0.198	0.500	0.500
MW-65-20170308-02	MW-65	N	3/8/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.19	pH units			Y			
MW-65-20170406-01	MW-65	N	4/6/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	499	mg/L			Y	9.57	50.0	50.0
MW-65-20170406-01	MW-65	N	4/6/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	234	mg/L			Y	5.34	40.0	40.0
MW-65-20170406-01	MW-65	N	4/6/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.502	mg/L			Y	0.120	0.400	0.400
MW-65-20170406-01	MW-65	N	4/6/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1650	mg/L			Y	20.0	20.0	20.0
MW-65-20170406-01	MW-65	N	4/6/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.266	mg/L			Y	0.0700	0.100	0.100
MW-65-20170406-01	MW-65	N	4/6/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	184	mg/L			Y	0.198	0.500	0.500
MW-65-20170406-02	MW-65	N	4/6/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-65-20170515-01	MW-65	N	5/15/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	573	mg/L			Y	9.57	50.0	50.0
MW-65-20170515-01	MW-65	N	5/15/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	218	mg/L			Y	5.34	40.0	40.0
MW-65-20170515-01	MW-65	N	5/15/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.555	mg/L	J	JH	Y	0.301	1.00	1.00
MW-65-20170515-01	MW-65	N	5/15/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1890	mg/L			Y	20.0	20.0	20.0
MW-65-20170515-01	MW-65	N	5/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.24	mg/L			Y	0.0700	0.100	0.100
MW-65-20170515-01	MW-65	N	5/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	182	mg/L			Y	0.198	0.500	0.500
MW-65-20170515-02	MW-65	N	5/15/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.96	pH units			Y			
MW-65-20170615-01	MW-65	N	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	539	mg/L			Y	9.57	50.0	50.0
MW-65-20170615-01	MW-65	N	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	226	mg/L			Y	5.34	40.0	40.0
MW-65-20170615-01	MW-65	N	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.602	mg/L			Y	0.120	0.400	0.400
MW-65-20170615-01	MW-65	N	6/15/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1660	mg/L			Y	20.0	20.0	20.0
MW-65-20170615-01	MW-65	N	6/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.263	mg/L			Y	0.0700	0.100	0.100
MW-65-20170615-01	MW-65	N	6/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	202	mg/L			Y	0.198	0.500	0.500
MW-65-20170615-02	MW-65	N	6/15/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-65-20170718-01	MW-65	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	387	mg/L			Y	9.57	50.0	50.0
MW-65-20170718-01	MW-65	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	209	mg/L			Y	5.34	40.0	40.0
MW-65-20170718-01	MW-65	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.591	mg/L			Y	0.120	0.400	0.400
MW-65-20170718-01	MW-65	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1570	mg/L			Y	20.0	20.0	20.0
MW-65-20170718-01	MW-65	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.375	mg/L			Y	0.0700	0.100	0.100
MW-65-20170718-01	MW-65	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	169	mg/L	b	JH	Y	0.198	0.500	0.500
MW-65-20170718-02	MW-65	N	7/18/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.51	pH units			Y			
MW-65-20171010-01	MW-65	N	10/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	628	mg/L			Y	4.79	25.0	25.0
MW-65-20171010-01	MW-65	N	10/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	276	mg/L			Y	1.07	8.00	8.00
MW-65-20171010-01	MW-65	N	10/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4	mg/L	U	U	N	1.20	4.00	4.00
MW-65-20171010-01	MW-65	N	10/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1580	mg/L			Y	20.0	20.0	20.0
MW-65-20171010-01	MW-65	N	10/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.271	mg/L			Y	0.0700	0.100	0.100
MW-65-20171010-01	MW-65	N	10/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	188	mg/L		J	Y	0.198	0.500	0.500
MW-65-20171010-02	MW-65	N	10/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.52	pH units			Y			
MW-68-20161130-01	MW-68	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	219	mg/L	H	JL	Y	1.91	10.0	10.0
MW-68-20161130-01	MW-68	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	225	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-68-20161130-01	MW-68	N	11/30/2016	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.547	mg/L	H	JL	Y	0.0601	0.200	0.200
MW-68-20161130-01	MW-68	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1020	mg/L			Y	20.0	20.0	20.0
MW-68-20161130-01	MW-68	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.25	mg/L		JH	Y	0.0700	0.100	0.100
MW-68-20161130-01	MW-68	N	11/30/2016	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	114	mg/L	b		Y	0.198	0.500	0.500
MW-68-20161130-02	MW-68	N	11/30/2016	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-68-20170110-01	MW-68	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	177	mg/L			Y	1.91	10.0	10.0
MW-68-20170110-01	MW-68	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	237	mg/L			Y	1.07	8.00	8.00
MW-68-20170110-01	MW-68	N	1/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.32	mg/L			Y	1.20	4.00	4.00

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-68-20170110-01	MW-68	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1070	mg/L			Y	20.0	20.0	20.0
MW-68-20170110-01	MW-68	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.256	mg/L			Y	0.0700	0.100	0.100
MW-68-20170110-01	MW-68	N	1/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	111	mg/L	^		Y	0.198	0.500	0.500
MW-68-20170110-02	MW-68	N	1/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.11	pH units			Y			
MW-68-20170208-01	MW-68	N	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	188	mg/L			Y	4.79	25.0	25.0
MW-68-20170208-01	MW-68	N	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	245	mg/L			Y	2.67	20.0	20.0
MW-68-20170208-01	MW-68	N	2/8/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	10.6	mg/L			Y	3.01	10.0	10.0
MW-68-20170208-01	MW-68	N	2/8/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1060	mg/L			Y	20.0	20.0	20.0
MW-68-20170208-01	MW-68	N	2/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.246	mg/L			Y	0.0700	0.100	0.100
MW-68-20170208-01	MW-68	N	2/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	124	mg/L	b		Y	0.198	0.500	0.500
MW-68-20170208-02	MW-68	N	2/8/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.08	pH units			Y			
MW-68-20170308-01	MW-68	N	3/8/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	257	mg/L			Y	4.79	25.0	25.0
MW-68-20170308-01	MW-68	N	3/8/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	242	mg/L			Y	2.67	20.0	20.0
MW-68-20170308-01	MW-68	N	3/8/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	10.5	mg/L			Y	3.01	10.0	10.0
MW-68-20170308-01	MW-68	N	3/8/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1090	mg/L			Y	20.0	20.0	20.0
MW-68-20170308-01	MW-68	N	3/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.26	mg/L			Y	0.0700	0.100	0.100
MW-68-20170308-01	MW-68	N	3/8/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	136	mg/L			Y	0.198	0.500	0.500
MW-68-20170308-02	MW-68	N	3/8/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.15	pH units			Y			
MW-68-20170406-01	MW-68	N	4/6/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	208	mg/L			Y	4.79	25.0	25.0
MW-68-20170406-01	MW-68	N	4/6/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	238	mg/L			Y	2.67	20.0	20.0
MW-68-20170406-01	MW-68	N	4/6/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.53	mg/L			Y	0.120	0.400	0.400
MW-68-20170406-01	MW-68	N	4/6/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1160	mg/L			Y	20.0	20.0	20.0
MW-68-20170406-01	MW-68	N	4/6/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.259	mg/L			Y	0.0700	0.100	0.100
MW-68-20170406-01	MW-68	N	4/6/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	121	mg/L			Y	0.198	0.500	0.500
MW-68-20170406-02	MW-68	N	4/6/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-68-20170515-01	MW-68	N	5/15/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	213	mg/L			Y	9.57	50.0	50.0
MW-68-20170515-01	MW-68	N	5/15/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	218	mg/L			Y	5.34	40.0	40.0
MW-68-20170515-01	MW-68	N	5/15/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.424	mg/L		JH	Y	0.120	0.400	0.400
MW-68-20170515-01	MW-68	N	5/15/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1340	mg/L			Y	20.0	20.0	20.0
MW-68-20170515-01	MW-68	N	5/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.222	mg/L			Y	0.0700	0.100	0.100
MW-68-20170515-01	MW-68	N	5/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	117	mg/L			Y	0.198	0.500	0.500
MW-68-20170515-02	MW-68	N	5/15/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.87	pH units			Y			
MW-68-20170615-01	MW-68	N	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	159	mg/L			Y	0.479	2.50	2.50
MW-68-20170615-01	MW-68	N	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	255	mg/L			Y	2.67	20.0	20.0
MW-68-20170615-01	MW-68	N	6/15/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.701	mg/L			Y	0.12	0.400	0.400
MW-68-20170615-01	MW-68	N	6/15/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1190	mg/L			Y	20.0	20.0	20.0
MW-68-20170615-01	MW-68	N	6/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.254	mg/L			Y	0.0700	0.100	0.100
MW-68-20170615-01	MW-68	N	6/15/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	125	mg/L			Y	0.198	0.500	0.500
MW-68-20170615-02	MW-68	N	6/15/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.04	pH units			Y			
MW-68-20170718-01	MW-68	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	151	mg/L			Y	4.79	25.0	25.0
MW-68-20170718-01	MW-68	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	249	mg/L			Y	2.67	20.0	20.0
MW-68-20170718-01	MW-68	N	7/18/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.573	mg/L			Y	0.120	0.400	0.400
MW-68-20170718-01	MW-68	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1230	mg/L			Y	20.0	20.0	20.0
MW-68-20170718-01	MW-68	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.251	mg/L			Y	0.0700	0.100	0.100
MW-68-20170718-01	MW-68	N	7/18/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	123	mg/L	b	JH	Y	0.198	0.500	0.500
MW-68-20170718-02	MW-68	N	7/18/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.33	pH units			Y			
MW-68-20171010-01	MW-68	N	10/10/2017	Cell 2B	Initial	Downgradient	N	E300	14808-79-8	Sulfate	137	mg/L			Y	0.957	5.00	5.00
MW-68-20171010-01	MW-68	N	10/10/2017	Cell 2B	Initial	Downgradient	N	E300	16887-00-6	Chloride	354	mg/L			Y	0.534	4.00	4.00
MW-68-20171010-01	MW-68	N	10/10/2017	Cell 2B	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2	mg/L	U	U	N	0.601	2.00	2.00
MW-68-20171010-01	MW-68	N	10/10/2017	Cell 2B	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1080	mg/L			Y	20.0	20.0	20.0
MW-68-20171010-01	MW-68	N	10/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.269	mg/L			Y	0.0700	0.100	0.100
MW-68-20171010-01	MW-68	N	10/10/2017	Cell 2B	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	130	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-68-20171010-02	MW-68	N	10/10/2017	Cell 2B	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.31	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.

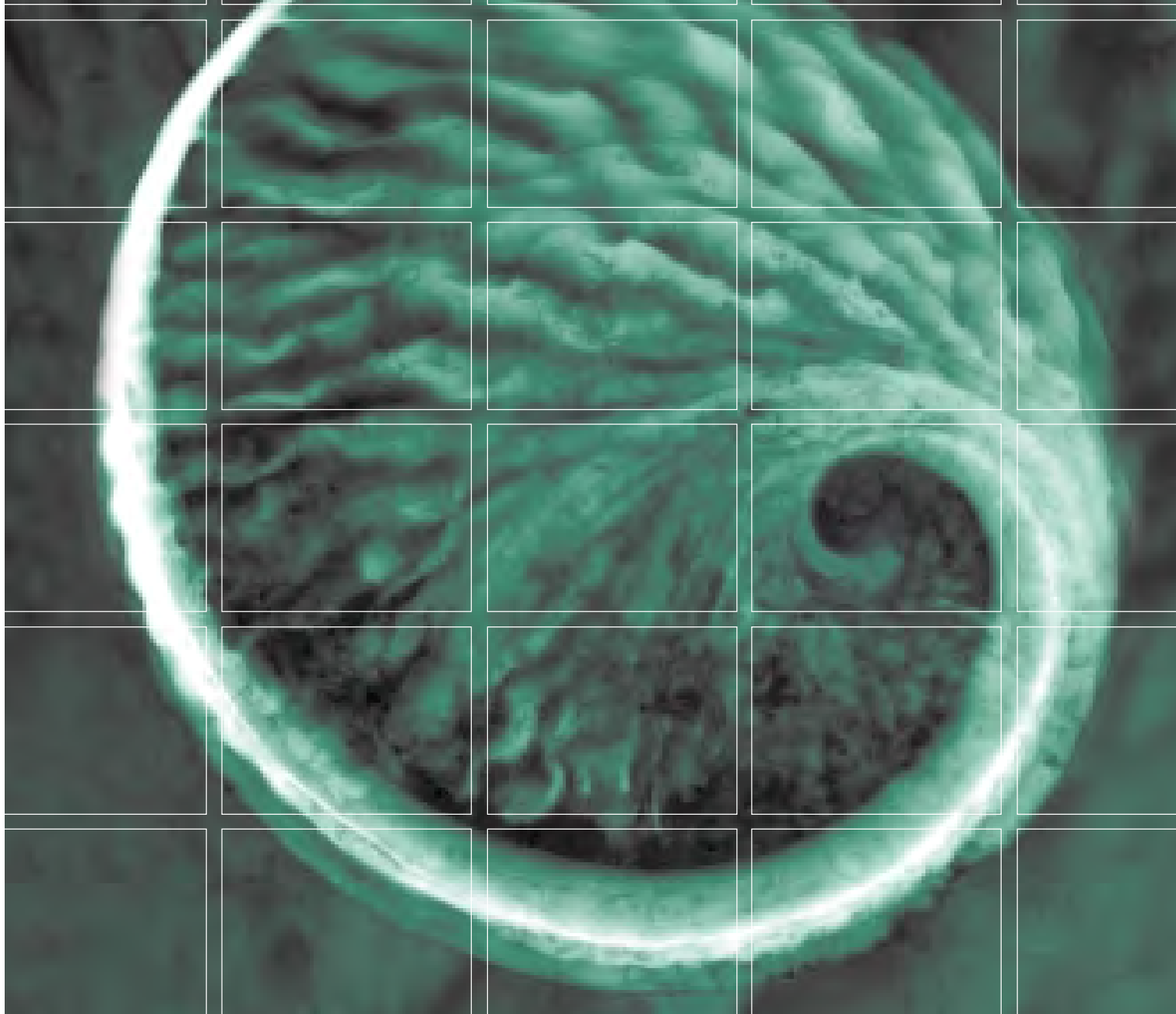
J - Result reported as detected between the SDL and the Method Quantitation Limit (MQL) or result qualified as detected at an estimated concentration.

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.



Annual Groundwater Monitoring Report Solid Waste Disposal Area, Cell 3 (SWMU 001)

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

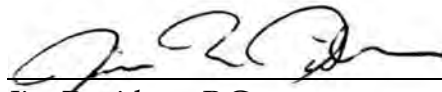
January 30, 2018

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NRG Texas Power, LLC

Annual Groundwater Monitoring Report Solid Waste Disposal Area, Cell 3 (SWMU 001)

January 30, 2018
Project No. 0289614
W.A. Parish Electric Generating Station
Thompsons, Texas



Jim Davidson, P.G.

Partner-in-Charge



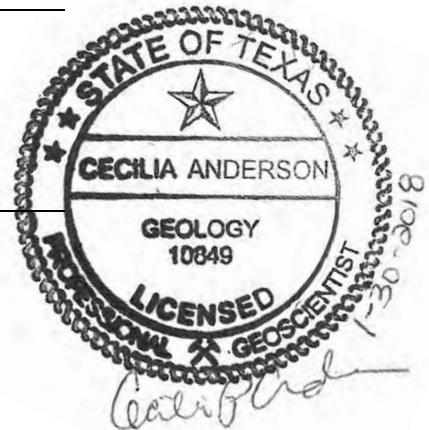
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APPENDICES

A GROUNDWATER ANALYTICAL RESULTS

List of Figures

- 1-1 Site Location Map**
- 1-2 Coal Combustion Residual Units**

- 2-1 Coal Combustion Residual Monitor Well Networks**
- 2-2 October 2017 Potentiometric Surface Map**

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 (ERM), on behalf of NRG Texas Power, LLC, and focuses on the initial annual groundwater monitoring results for SWDA Cell 3 in compliance with 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.

Landfill Cell 3 is part of the SWDA located to the north of the main Plant Area. Landfill Cell 3 is approximately 30 acres in size and is utilized for the final disposition of coal combustion residual waste.

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 two upgradient monitor wells, MW-28D, MW-42 and three downgradient monitor wells MW-44, MW-45, and MW-46. All of the monitor wells are screened in the uppermost transmissive zone around the SWDA. The uppermost aquifer is approximately 20 feet (ft) thick and is comprised of interlayered sand, silty sand, clayey sand, clayey sandy silt, and some gravelly sand. The sand is fine- to coarse-grained, loose, and exhibits high moisture content (wet to saturate). The uppermost transmissive zone is located below a confining layer of layer of silty clay with some sandy clay, clay, and sandy silt with an average thickness of 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.

The hydraulic gradient for the sampling events was generally to the north/northeast toward the Brazos River located about one mile north/north east of the site. The hydraulic gradient rates ranged from 0.0007 to 0.0018 feet per foot during the October 2017 event. This range is consistent with other events. Based on the average measured hydraulic gradient of 0.001, an assumed porosity of 0.3, and an average measured hydraulic conductivity of 0.005 ft/min (ERM, 2017), the velocity of groundwater in the uppermost transmissive zone beneath the SWDA is estimated to be approximately 9 feet per year. A potentiometric surface map from the October 2017 event is included as Figure 2-2.

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-28D	MW-42
2016-06-30	X	
2016-07-07		X
2016-08-30	X	X
2016-10-11	X	X
2016-11-29	X	X
2017-01-10	X	X
2017-03-08	X	X
2017-05-15	X	X
2017-07-18	X	X
2017-10-09	X	
2017-10-10		X
Total	9	9

TABLE 2-2: Sampling Dates for Each Downgradient Well

Sample Date	MW-44	MW-45	MW-46
2016-07-06		X	X
2016-07-08	X		
2016-08-30		X	X
2016-08-31	X		
2016-10-12	X	X	X
2016-11-29			X
2016-11-30	X	X	
2017-01-09	X	X	X
2017-03-09	X	X	X
2017-05-17	X	X	X
2017-07-18		X	X
2017-07-19	X		
2017-10-10	X	X	X
Total	9	9	9

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

ERM reviewed field and laboratory documentation to assess the validity, reliability, and usability of the analytical results. Samples from 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.

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.

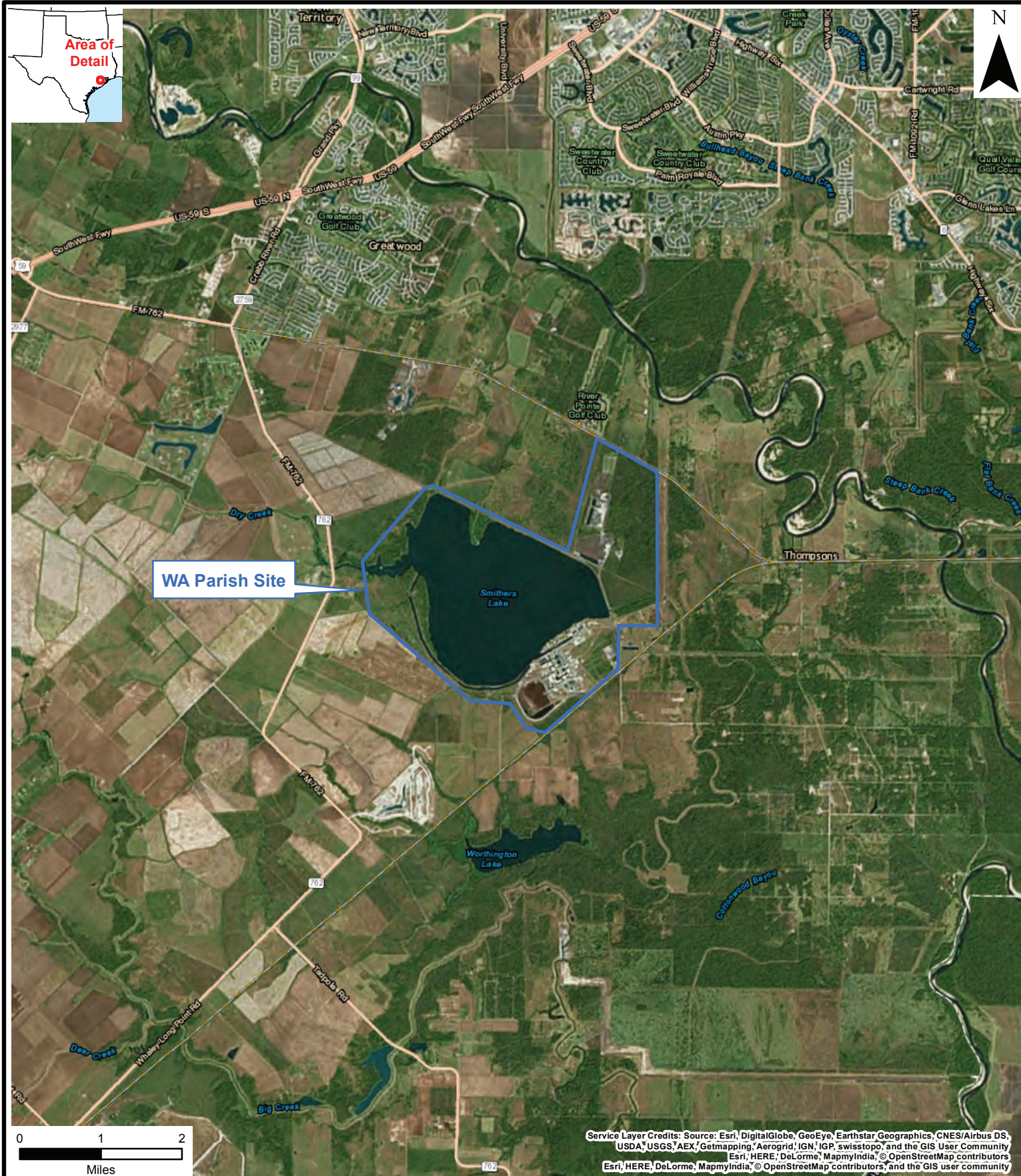
ERM. 2017. Groundwater Monitoring Network for Coal Combustions Residuals Rule Compliance. W.A. Parish. Thompsons, TX.

Figures

January 30, 2018
Project No. 0289614

Environmental Resources Management

CityCentre Four
840 West Sam Houston Parkway North, Suite 600
Houston, Texas 77024-3920
(281) 600-1000



Environmental Resources Management

DESIGN: DLW	DRAWN: EFC	CHKD.: .
DATE: 3/9/2016	SCALE: AS SHOWN	REVISION: 0
W.O.NO.: H:\DWG\16\0337925_SiteLoc.mxd, 3/9/2016 3:25:19 PM		

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



Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, ©OpenStreetMap contributors
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the
GIS User Community



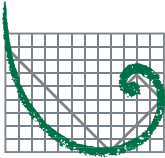
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FIGURE 1-2
COAL COMBUSTION
RESIDUAL UNITS
NRG Texas Power, LLC
W.A. Parish Station
Thompsons, Texas

Legend

 CCR Unit Boundary



ERM



Environmental Resources Management

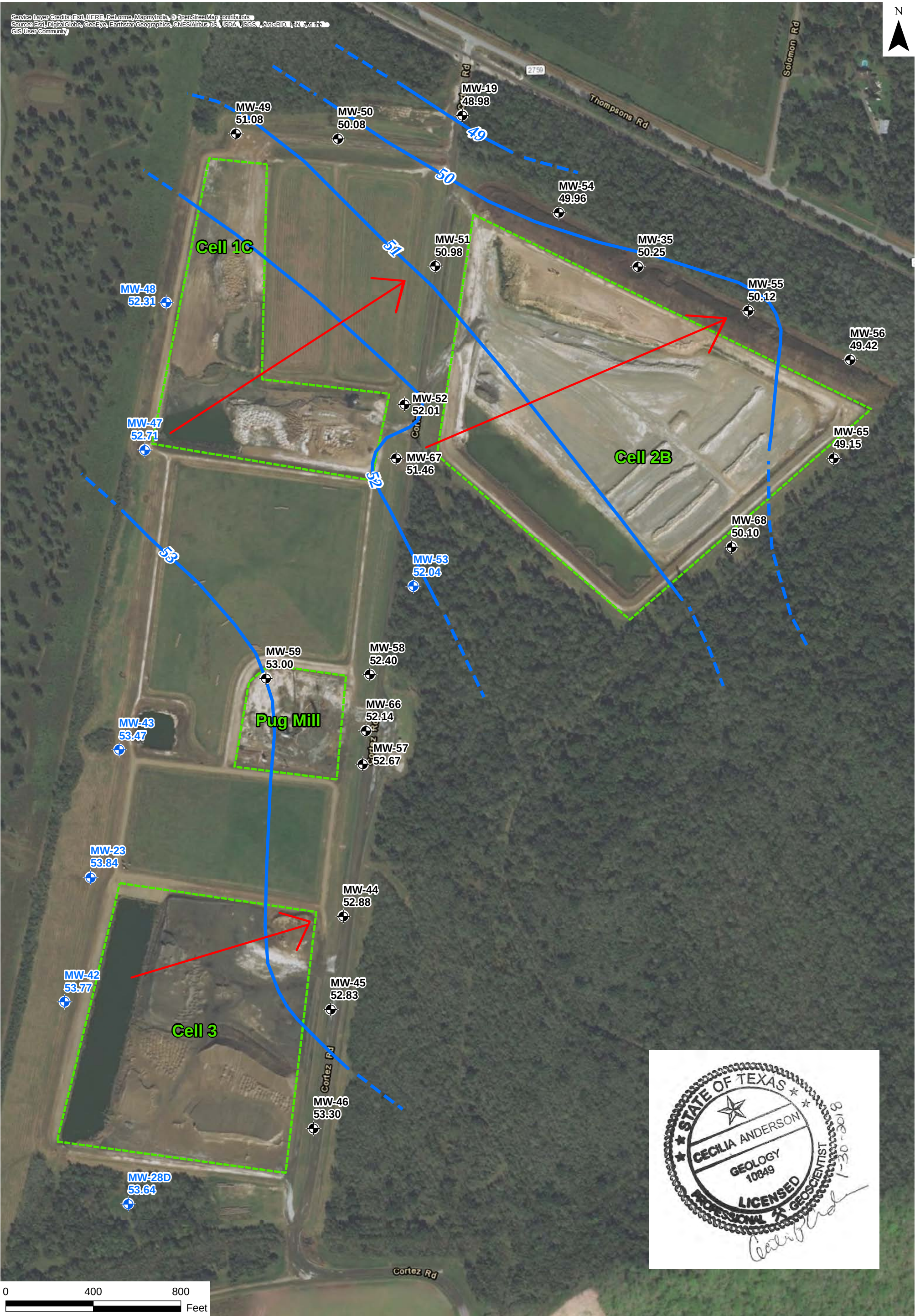
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FIGURE 2-1
MONITOR WELL NETWORKS
NRG Texas Power, LLC
W.A. Parish Station
Thompsons, Texas

Legend

- Monitor Well
- Upgradient Monitor Well
- CCR Unit Boundary





Environmental Resources Management

DESIGN:	LL	DRAWN:	EFC	CHKD.:	..
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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
 - NM Not Measured



Groundwater Analytical Results
Appendix A

January 30, 2018
Project No. 0289614

Environmental Resources Management
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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
011017DUP01	MW-28D	FD	1/10/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	98	mg/L			Y	1.91	10.0	10.0
011017DUP01	MW-28D	FD	1/10/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	141	mg/L			Y	1.07	8.00	8.00
011017DUP01	MW-28D	FD	1/10/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.23	mg/L			Y	1.20	4.00	4.00
011017DUP01	MW-28D	FD	1/10/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	696	mg/L			Y	20.0	20.0	20.0
011017DUP01	MW-28D	FD	1/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.129	mg/L			Y	0.0700	0.100	0.100
011017DUP01	MW-28D	FD	1/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	117	mg/L	^		Y	0.198	0.500	0.500
MW-28D-20160630-01	MW-28D	N	6/30/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	83.4	mg/L			Y	2.39	12.5	12.5
MW-28D-20160630-01	MW-28D	N	6/30/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	221	mg/L			Y	1.34	10.0	10.0
MW-28D-20160630-01	MW-28D	N	6/30/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.407	mg/L			Y	0.0601	0.200	0.200
MW-28D-20160630-01	MW-28D	N	6/30/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	784	mg/L			Y	20.0	20.0	20.0
MW-28D-20160630-01	MW-28D	N	6/30/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.134	mg/L			Y	0.0700	0.100	0.100
MW-28D-20160630-01	MW-28D	N	6/30/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	104	mg/L			Y	0.198	0.500	0.500
MW-28D-20160630-02	MW-28D	N	6/30/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	10.4	pH units			Y			
MW-28D-20160830-01	MW-28D	N	8/30/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	83.5	mg/L			Y	2.39	12.5	12.5
MW-28D-20160830-01	MW-28D	N	8/30/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	229	mg/L			Y	1.34	10.0	10.0
MW-28D-20160830-01	MW-28D	N	8/30/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.198	mg/L	J	J	Y	0.0601	0.200	0.200
MW-28D-20160830-01	MW-28D	N	8/30/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	772	mg/L			Y	20.0	20.0	20.0
MW-28D-20160830-01	MW-28D	N	8/30/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.152	mg/L			Y	0.0700	0.100	0.100
MW-28D-20160830-01	MW-28D	N	8/30/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	101	mg/L			Y	0.198	0.500	0.500
MW-28D-20160830-02	MW-28D	N	8/30/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	10.62	pH units			Y			
MW-28D-20161011-01	MW-28D	N	10/11/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	119	mg/L			Y	2.39	12.5	12.5
MW-28D-20161011-01	MW-28D	N	10/11/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	189	mg/L			Y	1.34	10	10
MW-28D-20161011-01	MW-28D	N	10/11/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.42	mg/L			Y	0.0601	0.2	0.2
MW-28D-20161011-01	MW-28D	N	10/11/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1660	mg/L			Y	20	20	20
MW-28D-20161011-01	MW-28D	N	10/11/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.147	mg/L			Y	0.07	0.1	0.1
MW-28D-20161011-01	MW-28D	N	10/11/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	113	mg/L			Y	0.198	0.5	0.5
MW-28D-20161011-02	MW-28D	N	10/11/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.23	pH units			Y			
MW-28D-20161129-01	MW-28D	N	11/29/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	66.6	mg/L			Y	2.39	12.5	12.5
MW-28D-20161129-01	MW-28D	N	11/29/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	137	mg/L			Y	1.34	10.0	10.0
MW-28D-20161129-01	MW-28D	N	11/29/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.545	mg/L			Y	0.0601	0.200	0.200
MW-28D-20161129-01	MW-28D	N	11/29/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	682	mg/L			Y	20.0	20.0	20.0
MW-28D-20161129-01	MW-28D	N	11/29/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.15	mg/L			Y	0.0700	0.100	0.100
MW-28D-20161129-01	MW-28D	N	11/29/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	115	mg/L			Y	0.198	0.500	0.500
MW-28D-20161129-02	MW-28D	N	11/29/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	10.87	pH units			Y			
MW-28D-20170110-01	MW-28D	N	1/10/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	89	mg/L			Y	1.91	10.0	10.0
MW-28D-20170110-01	MW-28D	N	1/10/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	184	mg/L			Y	1.07	8.00	8.00
MW-28D-20170110-01	MW-28D	N	1/10/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.2	mg/L			Y	1.20	4.00	4.00
MW-28D-20170110-01	MW-28D	N	1/10/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	794	mg/L			Y	20.0	20.0	20.0
MW-28D-20170110-01	MW-28D	N	1/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.132	mg/L			Y	0.0700	0.100	0.100
MW-28D-20170110-01	MW-28D	N	1/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	113	mg/L	^		Y	0.198	0.500	0.500
MW-28D-20170110-02	MW-28D	N	1/10/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	9.01	pH units			Y			
MW-28D-20170308-01	MW-28D	N	3/8/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	108	mg/L			Y	2.39	12.5	12.5
MW-28D-20170308-01	MW-28D	N	3/8/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	148	mg/L			Y	1.34	10.0	10.0
MW-28D-20170308-01	MW-28D	N	3/8/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	5.44	mg/L			Y	1.50	5.00	5.00
MW-28D-20170308-01	MW-28D	N	3/8/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	756	mg/L			Y	20.0	20.0	20.0
MW-28D-20170308-01	MW-28D	N	3/8/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.169	mg/L			Y	0.0700	0.100	0.100
MW-28D-20170308-01	MW-28D	N	3/8/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	122	mg/L			Y	0.198	0.500	0.500
MW-28D-20170308-02	MW-28D	N	3/8/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.87	pH units			Y			
MW-28D-20170515-01	MW-28D	N	5/15/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	118	mg/L			Y	4.79	25.0	25.0
MW-28D-20170515-01	MW-28D	N	5/15/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	159	mg/L			Y	2.67	20.0	20.0
MW-28D-20170515-01	MW-28D	N	5/15/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.327	mg/L		JH	Y	0.0601	0.200	0.200
MW-28D-20170515-01	MW-28D	N	5/15/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	854	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-28D-20170515-01	MW-28D	N	5/15/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.157	mg/L			Y	0.0700	0.100	0.100
MW-28D-20170515-01	MW-28D	N	5/15/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	104	mg/L			Y	0.198	0.500	0.500
MW-28D-20170515-02	MW-28D	N	5/15/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.13	pH units			Y			
MW-28D-20170718-01	MW-28D	N	7/18/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	85.6	mg/L		JH	Y	4.79	25.0	25.0
MW-28D-20170718-01	MW-28D	N	7/18/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	143	mg/L			Y	2.67	20.0	20.0
MW-28D-20170718-01	MW-28D	N	7/18/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.518	mg/L			Y	0.120	0.400	0.400
MW-28D-20170718-01	MW-28D	N	7/18/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	790	mg/L			Y	20.0	20.0	20.0
MW-28D-20170718-01	MW-28D	N	7/18/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.186	mg/L			Y	0.0700	0.100	0.100
MW-28D-20170718-01	MW-28D	N	7/18/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	115	mg/L	b	JH	Y	0.198	0.500	0.500
MW-28D-20170718-02	MW-28D	N	7/18/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.09	pH units			Y			
MW-28D-20171009-01	MW-28D	N	10/9/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	60.9	mg/L			Y	4.79	25.0	25.0
MW-28D-20171009-01	MW-28D	N	10/9/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	494	mg/L			Y	2.67	20.0	20.0
MW-28D-20171009-01	MW-28D	N	10/9/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.405	mg/L	J	J	Y	0.301	1.00	1.00
MW-28D-20171009-01	MW-28D	N	10/9/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	1330	mg/L			Y	20.0	20.0	20.0
MW-28D-20171009-01	MW-28D	N	10/9/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.112	mg/L			Y	0.0700	0.100	0.100
MW-28D-20171009-01	MW-28D	N	10/9/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	165	mg/L		J	Y	0.198	0.500	0.500
MW-28D-20171009-02	MW-28D	N	10/9/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	9.31	pH units			Y			
MW-42-20160707-01	MW-42	N	7/7/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	1140	mg/L		JL	Y	4.79	25.0	25.0
MW-42-20160707-01	MW-42	N	7/7/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	297	mg/L		JL	Y	2.67	20.0	20.0
MW-42-20160707-01	MW-42	N	7/7/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.688	mg/L		JL	Y	0.0601	0.200	0.200
MW-42-20160707-01	MW-42	N	7/7/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2400	mg/L			Y	20.0	20.0	20.0
MW-42-20160707-01	MW-42	N	7/7/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	1.22	mg/L			Y	0.0700	0.100	0.100
MW-42-20160707-01	MW-42	N	7/7/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	210	mg/L			Y	0.198	0.500	0.500
MW-42-20160707-02	MW-42	N	7/7/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.01	pH units			Y			
MW-42-20160830-01	MW-42	N	8/30/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	1070	mg/L			Y	9.57	50.0	50.0
MW-42-20160830-01	MW-42	N	8/30/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	346	mg/L			Y	5.34	40.0	40.0
MW-42-20160830-01	MW-42	N	8/30/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.423	mg/L	J	J	Y	0.301	1.00	1.00
MW-42-20160830-01	MW-42	N	8/30/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2920	mg/L			Y	20.0	20.0	20.0
MW-42-20160830-01	MW-42	N	8/30/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.664	mg/L			Y	0.0700	0.100	0.100
MW-42-20160830-01	MW-42	N	8/30/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	209	mg/L			Y	0.198	0.500	0.500
MW-42-20160830-02	MW-42	N	8/30/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.2	pH units			Y			
MW-42-20161011-01	MW-42	N	10/11/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	997	mg/L			Y	19.1	100	100
MW-42-20161011-01	MW-42	N	10/11/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	385	mg/L			Y	10.7	80.0	80.0
MW-42-20161011-01	MW-42	N	10/11/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.764	mg/L	J	J	Y	0.301	1.00	1.00
MW-42-20161011-01	MW-42	N	10/11/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	3890	mg/L			Y	20.0	20.0	20.0
MW-42-20161011-01	MW-42	N	10/11/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.631	mg/L			Y	0.0700	0.100	0.100
MW-42-20161011-01	MW-42	N	10/11/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	216	mg/L			Y	0.198	0.500	0.500
MW-42-20161011-02	MW-42	N	10/11/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.03	pH units			Y			
MW-42-20161129-01	MW-42	N	11/29/2016	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	1220	mg/L			Y	9.57	50.0	50.0
MW-42-20161129-01	MW-42	N	11/29/2016	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	338	mg/L			Y	5.34	40.0	40.0
MW-42-20161129-01	MW-42	N	11/29/2016	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.17	mg/L			Y	0.301	1.00	1.00
MW-42-20161129-01	MW-42	N	11/29/2016	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2480	mg/L			Y	20.0	20.0	20.0
MW-42-20161129-01	MW-42	N	11/29/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.695	mg/L			Y	0.0700	0.100	0.100
MW-42-20161129-01	MW-42	N	11/29/2016	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	207	mg/L			Y	0.198	0.500	0.500
MW-42-20161129-02	MW-42	N	11/29/2016	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.06	pH units			Y			
MW-42-20170110-01	MW-42	N	1/10/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	1120	mg/L			Y	4.79	25.0	25.0
MW-42-20170110-01	MW-42	N	1/10/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	312	mg/L			Y	1.07	8.00	8.00
MW-42-20170110-01	MW-42	N	1/10/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	4.46	mg/L			Y	1.20	4.00	4.00
MW-42-20170110-01	MW-42	N	1/10/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2640	mg/L			Y	20.0	20.0	20.0
MW-42-20170110-01	MW-42	N	1/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.65	mg/L			Y	0.0700	0.100	0.100
MW-42-20170110-01	MW-42	N	1/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	186	mg/L	^		Y	0.198	0.500	0.500
MW-42-20170110-02	MW-42	N	1/10/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.94	pH units			Y			

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-42-20170308-01	MW-42	N	3/8/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	1170	mg/L			Y	9.57	50.0	50.0
MW-42-20170308-01	MW-42	N	3/8/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	313	mg/L			Y	5.34	40.0	40.0
MW-42-20170308-01	MW-42	N	3/8/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	20.8	mg/L			Y	6.01	20.0	20.0
MW-42-20170308-01	MW-42	N	3/8/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2540	mg/L			Y	20.0	20.0	20.0
MW-42-20170308-01	MW-42	N	3/8/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.793	mg/L			Y	0.0700	0.100	0.100
MW-42-20170308-01	MW-42	N	3/8/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	225	mg/L			Y	0.198	0.500	0.500
MW-42-20170308-02	MW-42	N	3/8/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.19	pH units			Y			
MW-42-20170515-01	MW-42	N	5/15/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	1020	mg/L			Y	9.57	50.0	50.0
MW-42-20170515-01	MW-42	N	5/15/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	283	mg/L			Y	5.34	40.0	40.0
MW-42-20170515-01	MW-42	N	5/15/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	1.51	mg/L		JH	Y	0.301	1.00	1.00
MW-42-20170515-01	MW-42	N	5/15/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2720	mg/L			Y	20.0	20.0	20.0
MW-42-20170515-01	MW-42	N	5/15/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.631	mg/L			Y	0.0700	0.100	0.100
MW-42-20170515-01	MW-42	N	5/15/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	188	mg/L			Y	0.198	0.500	0.500
MW-42-20170515-02	MW-42	N	5/15/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.01	pH units			Y			
MW-42-20170718-01	MW-42	N	7/18/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	794	mg/L			Y	9.57	50.0	50.0
MW-42-20170718-01	MW-42	N	7/18/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	299	mg/L			Y	5.34	40.0	40.0
MW-42-20170718-01	MW-42	N	7/18/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	0.924	mg/L	J	J	Y	0.301	1.00	1.00
MW-42-20170718-01	MW-42	N	7/18/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2350	mg/L			Y	20.0	20.0	20.0
MW-42-20170718-01	MW-42	N	7/18/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.639	mg/L			Y	0.0700	0.100	0.100
MW-42-20170718-01	MW-42	N	7/18/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	194	mg/L	b	JH	Y	0.198	0.500	0.500
MW-42-20170718-02	MW-42	N	7/18/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	6.99	pH units			Y			
MW-42-20171010-01	MW-42	N	10/10/2017	Cell 3	Initial	Upgradient	N	E300	14808-79-8	Sulfate	913	mg/L			Y	2.39	12.5	12.5
MW-42-20171010-01	MW-42	N	10/10/2017	Cell 3	Initial	Upgradient	N	E300	16887-00-6	Chloride	300	mg/L			Y	5.34	40.0	40.0
MW-42-20171010-01	MW-42	N	10/10/2017	Cell 3	Initial	Upgradient	N	E300	16984-48-8	Fluoride	5	mg/L	U	U	N	1.50	5.00	5.00
MW-42-20171010-01	MW-42	N	10/10/2017	Cell 3	Initial	Upgradient	T	SM 2540C	TDS	Total dissolved solids	2350	mg/L			Y	20.0	20.0	20.0
MW-42-20171010-01	MW-42	N	10/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-42-8	Boron	0.64	mg/L			Y	0.0700	0.100	0.100
MW-42-20171010-01	MW-42	N	10/10/2017	Cell 3	Initial	Upgradient	T	SW6020	7440-70-2	Calcium	203	mg/L		J	Y	0.198	0.500	0.500
MW-42-20171010-02	MW-42	N	10/10/2017	Cell 3	Initial	Upgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-44-20160708-01	MW-44	N	7/8/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	607	mg/L			Y	4.79	25.0	25.0
MW-44-20160708-01	MW-44	N	7/8/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	428	mg/L			Y	2.67	20.0	20.0
MW-44-20160708-01	MW-44	N	7/8/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.56	mg/L			Y	0.0601	0.200	0.200
MW-44-20160708-01	MW-44	N	7/8/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1780	mg/L			Y	20.0	20.0	20.0
MW-44-20160708-01	MW-44	N	7/8/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.945	mg/L			Y	0.0700	0.100	0.100
MW-44-20160708-01	MW-44	N	7/8/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	181	mg/L			Y	0.198	0.500	0.500
MW-44-20160708-02	MW-44	N	7/8/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.17	pH units			Y			
MW-44-20160831-01	MW-44	N	8/31/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	325	mg/L			Y	4.79	25.0	25.0
MW-44-20160831-01	MW-44	N	8/31/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	476	mg/L			Y	5.34	40.0	40.0
MW-44-20160831-01	MW-44	N	8/31/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.333	mg/L	J	J	Y	0.120	0.400	0.400
MW-44-20160831-01	MW-44	N	8/31/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1910	mg/L			Y	20.0	20.0	20.0
MW-44-20160831-01	MW-44	N	8/31/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.327	mg/L		JH	Y	0.0700	0.100	0.100
MW-44-20160831-01	MW-44	N	8/31/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	167	mg/L		JH	Y	0.198	0.500	0.500
MW-44-20160831-02	MW-44	N	8/31/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.1	pH units			Y			
MW-44-20161012-01	MW-44	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	230	mg/L			Y	9.57	50.0	50.0
MW-44-20161012-01	MW-44	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	452	mg/L			Y	5.34	40.0	40.0
MW-44-20161012-01	MW-44	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.622	mg/L			Y	0.120	0.400	0.400
MW-44-20161012-01	MW-44	N	10/12/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1460	mg/L			Y	20.0	20.0	20.0
MW-44-20161012-01	MW-44	N	10/12/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.295	mg/L			Y	0.0700	0.100	0.100
MW-44-20161012-01	MW-44	N	10/12/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	168	mg/L			Y	0.198	0.500	0.500
MW-44-20161012-02	MW-44	N	10/12/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.17	pH units			Y			
MW-44-20161130-01	MW-44	N	11/30/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	263	mg/L	H	JL	Y	1.91	10.0	10.0
MW-44-20161130-01	MW-44	N	11/30/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	415	mg/L	Hb	JL	Y	1.07	8.00	8.00
MW-44-20161130-01	MW-44	N	11/30/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.53	mg/L	H	JL	Y	0.0601	0.200	0.200

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-44-20161130-01	MW-44	N	11/30/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1420	mg/L			Y	20.0	20.0	20.0
MW-44-20161130-01	MW-44	N	11/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.446	mg/L		JH	Y	0.0700	0.100	0.100
MW-44-20161130-01	MW-44	N	11/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	195	mg/L	b		Y	0.198	0.500	0.500
MW-44-20161130-02	MW-44	N	11/30/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.11	pH units			Y			
MW-44-20170109-01	MW-44	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	244	mg/L			Y	1.91	10.0	10.0
MW-44-20170109-01	MW-44	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	465	mg/L			Y	1.07	8.00	8.00
MW-44-20170109-01	MW-44	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.36	mg/L			Y	1.20	4.00	4.00
MW-44-20170109-01	MW-44	N	1/9/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1410	mg/L			Y	20.0	20.0	20.0
MW-44-20170109-01	MW-44	N	1/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.293	mg/L			Y	0.0700	0.100	0.100
MW-44-20170109-01	MW-44	N	1/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	159	mg/L	^		Y	0.198	0.500	0.500
MW-44-20170109-02	MW-44	N	1/9/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7	pH units			Y			
MW-44-20170309-01	MW-44	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	719	mg/L			Y	9.57	50.0	50.0
MW-44-20170309-01	MW-44	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	548	mg/L			Y	5.34	40.0	40.0
MW-44-20170309-01	MW-44	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.51	mg/L			Y	0.301	1.00	1.00
MW-44-20170309-01	MW-44	N	3/9/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1850	mg/L			Y	20.0	20.0	20.0
MW-44-20170309-01	MW-44	N	3/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.528	mg/L			Y	0.0700	0.100	0.100
MW-44-20170309-01	MW-44	N	3/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	217	mg/L			Y	0.198	0.500	0.500
MW-44-20170309-02	MW-44	N	3/9/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.35	pH units			Y			
MW-44-20170517-01	MW-44	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	377	mg/L			Y	9.57	50.0	50.0
MW-44-20170517-01	MW-44	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	464	mg/L			Y	5.34	40.0	40.0
MW-44-20170517-01	MW-44	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.637	mg/L	J	J	Y	0.301	1.00	1.00
MW-44-20170517-01	MW-44	N	5/17/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1480	mg/L			Y	20.0	20.0	20.0
MW-44-20170517-01	MW-44	N	5/17/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.239	mg/L			Y	0.0700	0.100	0.100
MW-44-20170517-01	MW-44	N	5/17/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	150	mg/L	b		Y	0.198	0.500	0.500
MW-44-20170517-02	MW-44	N	5/17/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.05	pH units			Y			
MW-44-20170719-01	MW-44	N	7/19/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	208	mg/L			Y	9.57	50.0	50.0
MW-44-20170719-01	MW-44	N	7/19/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	409	mg/L			Y	5.34	40.0	40.0
MW-44-20170719-01	MW-44	N	7/19/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.63	mg/L	J	J	Y	0.301	1.00	1.00
MW-44-20170719-01	MW-44	N	7/19/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1500	mg/L			Y	20.0	20.0	20.0
MW-44-20170719-01	MW-44	N	7/19/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.41	mg/L			Y	0.0700	0.100	0.100
MW-44-20170719-01	MW-44	N	7/19/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	183	mg/L			Y	0.198	0.500	0.500
MW-44-20170719-02	MW-44	N	7/19/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.03	pH units			Y			
MW-44-20171010-01	MW-44	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	397	mg/L			Y	9.57	50.0	50.0
MW-44-20171010-01	MW-44	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	417	mg/L			Y	10.7	80.0	80.0
MW-44-20171010-01	MW-44	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.604	mg/L	J	J	Y	0.301	1.00	1.00
MW-44-20171010-01	MW-44	N	10/10/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1800	mg/L			Y	20.0	20.0	20.0
MW-44-20171010-01	MW-44	N	10/10/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.27	mg/L			Y	0.0700	0.100	0.100
MW-44-20171010-01	MW-44	N	10/10/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	172	mg/L		J	Y	0.198	0.500	0.500
MW-44-20171010-02	MW-44	N	10/10/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.16	pH units			Y			
MW-45-20160706-01	MW-45	N	7/6/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	551	mg/L			Y	9.57	50.0	50.0
MW-45-20160706-01	MW-45	N	7/6/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	640	mg/L			Y	5.34	40.0	40.0
MW-45-20160706-01	MW-45	N	7/6/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.701	mg/L	J	J	Y	0.301	1.00	1.00
MW-45-20160706-01	MW-45	N	7/6/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2200	mg/L			Y	20.0	20.0	20.0
MW-45-20160706-01	MW-45	N	7/6/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.709	mg/L			Y	0.0700	0.100	0.100
MW-45-20160706-01	MW-45	N	7/6/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	251	mg/L			Y	0.198	0.500	0.500
MW-45-20160706-02	MW-45	N	7/6/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.15	pH units			Y			
MW-45-20160830-01	MW-45	N	8/30/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	412	mg/L			Y	4.79	25.0	25.0
MW-45-20160830-01	MW-45	N	8/30/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	284	mg/L			Y	2.67	20.0	20.0
MW-45-20160830-01	MW-45	N	8/30/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.4	mg/L			Y	0.120	0.400	0.400
MW-45-20160830-01	MW-45	N	8/30/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1570	mg/L			Y	20.0	20.0	20.0
MW-45-20160830-01	MW-45	N	8/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.06	mg/L			Y	0.0700	0.100	0.100
MW-45-20160830-01	MW-45	N	8/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	170	mg/L			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-45-20160830-02	MW-45	N	8/30/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.41	pH units			Y			
MW-45-20161012-01	MW-45	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	427	mg/L			Y	9.57	50.0	50.0
MW-45-20161012-01	MW-45	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	271	mg/L			Y	5.34	40.0	40.0
MW-45-20161012-01	MW-45	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.782	mg/L			Y	0.120	0.400	0.400
MW-45-20161012-01	MW-45	N	10/12/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1600	mg/L			Y	20.0	20.0	20.0
MW-45-20161012-01	MW-45	N	10/12/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.08	mg/L			Y	0.0700	0.100	0.100
MW-45-20161012-01	MW-45	N	10/12/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	179	mg/L			Y	0.198	0.500	0.500
MW-45-20161012-02	MW-45	N	10/12/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.35	pH units			Y			
MW-45-20161130-01	MW-45	N	11/30/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	944	mg/L		JL	Y	9.57	50.0	50.0
MW-45-20161130-01	MW-45	N	11/30/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	261	mg/L		JL	Y	5.34	40.0	40.0
MW-45-20161130-01	MW-45	N	11/30/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.12	mg/L		JL	Y	0.301	1.00	1.00
MW-45-20161130-01	MW-45	N	11/30/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1900	mg/L			Y	20.0	20.0	20.0
MW-45-20161130-01	MW-45	N	11/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	2.75	mg/L			Y	0.0700	0.100	0.100
MW-45-20161130-01	MW-45	N	11/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	248	mg/L	b		Y	0.198	0.500	0.500
MW-45-20161130-02	MW-45	N	11/30/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.36	pH units			Y			
MW-45-20170109-01	MW-45	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	795	mg/L			Y	1.91	10.0	10.0
MW-45-20170109-01	MW-45	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	705	mg/L			Y	1.07	8.00	8.00
MW-45-20170109-01	MW-45	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	4.22	mg/L			Y	1.20	4.00	4.00
MW-45-20170109-01	MW-45	N	1/9/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	2460	mg/L			Y	20.0	20.0	20.0
MW-45-20170109-01	MW-45	N	1/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	1.39	mg/L			Y	0.0700	0.100	0.100
MW-45-20170109-01	MW-45	N	1/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	268	mg/L	^		Y	0.198	0.500	0.500
MW-45-20170109-02	MW-45	N	1/9/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.14	pH units			Y			
MW-45-20170309-01	MW-45	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	2760	mg/L			Y	19.1	100	100
MW-45-20170309-01	MW-45	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	623	mg/L			Y	10.7	80.0	80.0
MW-45-20170309-01	MW-45	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2.53	mg/L			Y	0.601	2.00	2.00
MW-45-20170309-01	MW-45	N	3/9/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	3440	mg/L		JL	Y	40.0	40.0	40.0
MW-45-20170309-01	MW-45	N	3/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	4.62	mg/L			Y	1.40	2.00	2.00
MW-45-20170309-01	MW-45	N	3/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	403	mg/L			Y	0.198	0.500	0.500
MW-45-20170309-02	MW-45	N	3/9/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.73	pH units			Y			
MW-45-20170517-01	MW-45	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	883	mg/L			Y	19.1	100	100
MW-45-20170517-01	MW-45	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	945	mg/L			Y	10.7	80.0	80.0
MW-45-20170517-01	MW-45	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.828	mg/L	J	J	Y	0.601	2.00	2.00
MW-45-20170517-01	MW-45	N	5/17/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	3490	mg/L			Y	20.0	20.0	20.0
MW-45-20170517-01	MW-45	N	5/17/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.41	mg/L			Y	0.0700	0.100	0.100
MW-45-20170517-01	MW-45	N	5/17/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	306	mg/L	b		Y	0.198	0.500	0.500
MW-45-20170517-02	MW-45	N	5/17/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.96	pH units			Y			
MW-45-20170718-01	MW-45	N	7/18/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	544	mg/L		JH	Y	23.9	125	125
MW-45-20170718-01	MW-45	N	7/18/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	960	mg/L			Y	13.4	100	100
MW-45-20170718-01	MW-45	N	7/18/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.77	mg/L	J	J	Y	0.601	2.00	2.00
MW-45-20170718-01	MW-45	N	7/18/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	3140	mg/L			Y	20.0	20.0	20.0
MW-45-20170718-01	MW-45	N	7/18/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.621	mg/L			Y	0.0700	0.100	0.100
MW-45-20170718-01	MW-45	N	7/18/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	373	mg/L	b	JH	Y	0.198	0.500	0.500
MW-45-20170718-02	MW-45	N	7/18/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7	pH units			Y			
MW-45-20171010-01	MW-45	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	634	mg/L			Y	23.9	125	125
MW-45-20171010-01	MW-45	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	1060	mg/L			Y	26.7	200	200
MW-45-20171010-01	MW-45	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	2	mg/L	U	U	N	0.601	2.00	2.00
MW-45-20171010-01	MW-45	N	10/10/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1530	mg/L			Y	20.0	20.0	20.0
MW-45-20171010-01	MW-45	N	10/10/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.788	mg/L			Y	0.0700	0.100	0.100
MW-45-20171010-01	MW-45	N	10/10/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	398	mg/L		J	Y	0.198	0.500	0.500
MW-45-20171010-02	MW-45	N	10/10/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	6.93	pH units			Y			
MW-46-20160706-01	MW-46	N	7/6/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	129	mg/L			Y	2.39	12.5	12.5
MW-46-20160706-01	MW-46	N	7/6/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	210	mg/L			Y	1.34	10.0	10.0

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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-46-20160706-01	MW-46	N	7/6/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.41	mg/L			Y	0.0601	0.200	0.200
MW-46-20160706-01	MW-46	N	7/6/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	868	mg/L			Y	20.0	20.0	20.0
MW-46-20160706-01	MW-46	N	7/6/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.183	mg/L			Y	0.0700	0.100	0.100
MW-46-20160706-01	MW-46	N	7/6/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	110	mg/L			Y	0.198	0.500	0.500
MW-46-20160706-02	MW-46	N	7/6/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	7.28	pH units			Y			
MW-46-20160830-01	MW-46	N	8/30/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	228	mg/L			Y	9.57	50.0	50.0
MW-46-20160830-01	MW-46	N	8/30/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	157	mg/L			Y	5.34	40.0	40.0
MW-46-20160830-01	MW-46	N	8/30/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.238	mg/L			Y	0.0601	0.200	0.200
MW-46-20160830-01	MW-46	N	8/30/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1250	mg/L			Y	20.0	20.0	20.0
MW-46-20160830-01	MW-46	N	8/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.133	mg/L			Y	0.0700	0.100	0.100
MW-46-20160830-01	MW-46	N	8/30/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	198	mg/L			Y	0.198	0.500	0.500
MW-46-20160830-02	MW-46	N	8/30/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	12.17	pH units			Y			
MW-46-20161012-01	MW-46	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	111	mg/L			Y	9.57	50.0	50.0
MW-46-20161012-01	MW-46	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	177	mg/L			Y	5.34	40.0	40.0
MW-46-20161012-01	MW-46	N	10/12/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.378	mg/L			Y	0.0601	0.200	0.200
MW-46-20161012-01	MW-46	N	10/12/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	1030	mg/L			Y	20.0	20.0	20.0
MW-46-20161012-01	MW-46	N	10/12/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.155	mg/L			Y	0.0700	0.100	0.100
MW-46-20161012-01	MW-46	N	10/12/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	173	mg/L			Y	0.198	0.500	0.500
MW-46-20161012-02	MW-46	N	10/12/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.95	pH units			Y			
MW-46-20161129-01	MW-46	N	11/29/2016	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	82	mg/L			Y	9.57	50.0	50.0
MW-46-20161129-01	MW-46	N	11/29/2016	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	218	mg/L			Y	5.34	40.0	40.0
MW-46-20161129-01	MW-46	N	11/29/2016	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.605	mg/L			Y	0.120	0.400	0.400
MW-46-20161129-01	MW-46	N	11/29/2016	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	882	mg/L			Y	20.0	20.0	20.0
MW-46-20161129-01	MW-46	N	11/29/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.13	mg/L			Y	0.0700	0.100	0.100
MW-46-20161129-01	MW-46	N	11/29/2016	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	182	mg/L			Y	0.198	0.500	0.500
MW-46-20161129-02	MW-46	N	11/29/2016	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	12.06	pH units			Y			
MW-46-20170109-01	MW-46	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	153	mg/L			Y	9.57	50.0	50.0
MW-46-20170109-01	MW-46	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	233	mg/L			Y	5.34	40.0	40.0
MW-46-20170109-01	MW-46	N	1/9/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	20.9	mg/L			Y	6.01	20.0	20.0
MW-46-20170109-01	MW-46	N	1/9/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	892	mg/L			Y	20.0	20.0	20.0
MW-46-20170109-01	MW-46	N	1/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.112	mg/L			Y	0.0700	0.100	0.100
MW-46-20170109-01	MW-46	N	1/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	159	mg/L	^		Y	0.198	0.500	0.500
MW-46-20170109-02	MW-46	N	1/9/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	12.03	pH units			Y			
MW-46-20170309-01	MW-46	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	553	mg/L			Y	9.57	50.0	50.0
MW-46-20170309-01	MW-46	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	292	mg/L			Y	5.34	40.0	40.0
MW-46-20170309-01	MW-46	N	3/9/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1.38	mg/L			Y	0.301	1.00	1.00
MW-46-20170309-01	MW-46	N	3/9/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	944	mg/L		JL	Y	20.0	20.0	20.0
MW-46-20170309-01	MW-46	N	3/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.495	mg/L			Y	0.0700	0.100	0.100
MW-46-20170309-01	MW-46	N	3/9/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	161	mg/L			Y	0.198	0.500	0.500
MW-46-20170309-02	MW-46	N	3/9/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	12.08	pH units			Y			
MW-46-20170517-01	MW-46	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	220	mg/L			Y	1.91	10.0	10.0
MW-46-20170517-01	MW-46	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	224	mg/L			Y	5.34	40.0	40.0
MW-46-20170517-01	MW-46	N	5/17/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.375	mg/L	J	J	Y	0.120	0.400	0.400
MW-46-20170517-01	MW-46	N	5/17/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	936	mg/L			Y	20.0	20.0	20.0
MW-46-20170517-01	MW-46	N	5/17/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.168	mg/L			Y	0.0700	0.100	0.100
MW-46-20170517-01	MW-46	N	5/17/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	150	mg/L	b		Y	0.198	0.500	0.500
MW-46-20170517-02	MW-46	N	5/17/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.98	pH units			Y			
MW-46-20170718-01	MW-46	N	7/18/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	259	mg/L		JH	Y	4.79	25.0	25.0
MW-46-20170718-01	MW-46	N	7/18/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	177	mg/L			Y	2.67	20.0	20.0
MW-46-20170718-01	MW-46	N	7/18/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	0.389	mg/L	J	J	Y	0.120	0.400	0.400
MW-46-20170718-01	MW-46	N	7/18/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	768	mg/L			Y	20.0	20.0	20.0
MW-46-20170718-01	MW-46	N	7/18/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.898	mg/L			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-46-20170718-01	MW-46	N	7/18/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	78.6	mg/L	b	JH	Y	0.198	0.500	0.500
MW-46-20170718-02	MW-46	N	7/18/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	11.32	pH units			Y			
MW-46-20171010-01	MW-46	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	14808-79-8	Sulfate	138	mg/L			Y	2.39	12.5	12.5
MW-46-20171010-01	MW-46	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	16887-00-6	Chloride	189	mg/L			Y	2.67	20.0	20.0
MW-46-20171010-01	MW-46	N	10/10/2017	Cell 3	Initial	Downgradient	N	E300	16984-48-8	Fluoride	1	mg/L	U	U	N	0.301	1.00	1.00
MW-46-20171010-01	MW-46	N	10/10/2017	Cell 3	Initial	Downgradient	T	SM 2540C	TDS	Total dissolved solids	552	mg/L			Y	10.0	10.0	10.0
MW-46-20171010-01	MW-46	N	10/10/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-42-8	Boron	0.395	mg/L			Y	0.0700	0.100	0.100
MW-46-20171010-01	MW-46	N	10/10/2017	Cell 3	Initial	Downgradient	T	SW6020	7440-70-2	Calcium	14.3	mg/L		J	Y	0.198	0.500	0.500
MW-46-20171010-02	MW-46	N	10/10/2017	Cell 3	Initial	Downgradient	N	FIELD	F-pHW	pH, Field	9.59	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.