Midwest Generation, LLC
13082 E. Manito Rd.
Pekin, Illinois, 61554

QUARTERLY GROUNDWATER MONITORING REPORT
POWERTON GENERATING STATION

July 22, 2015

Ms. Andrea Rhodes
Illinois Environmental Protection Agency
Division of Public Water Supplies
MC#19
1021 North Grand Avenue East
Springfield, IL 62794-9276

VIA FEDERAL EXPRESS

Re: Quarterly Groundwater Monitoring Results – Second Quarter 2015
Powerton Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00057; ID# 6282

Dear Ms. Rhodes:

The second quarterly groundwater sampling for 2015 has been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Powerton Generating Station in accordance with the Compliance Commitment Agreement (CCA) with Illinois Environmental Protection Agency (IEPA) dated October 24, 2012. This quarterly monitoring report summarizes the results of the monitoring event.

Well Inspection and Sampling Procedures

The groundwater monitoring network around the ash ponds at the Powerton facility consists of sixteen wells (MW-1 through MW-16) as shown on Figure 1. As part of sampling procedures, the integrity of all monitoring wells was inspected and water levels obtained using an electronic water level meter (see summary of water level discussion below). All wells were found in good condition with locked protector casings and the concrete surface seals were intact.

Groundwater samples at well locations MW-1 through MW-16 were collected using the low-flow sampling technique. In addition, a surface water grab sample was collected from the discharge of the East Yard Run-off Basin.

One duplicate sample was collected for quality assurance purposes. In addition, a deionized water trip blank was placed with the sample bottle shipment by the laboratory and accompanied the groundwater samples bottles from and back to the laboratory. The groundwater monitoring samples, the East Yard Run-off Basin sample and the duplicate sample were analyzed for the inorganic compounds listed in Illinois Administrative Code (IAC) 620.410(a), 620.410(d) and 620.410(e), excluding radium 226/228. The trip blank was analyzed for the volatile organic compounds (VOCs) listed in IAC 620.410(d).

Groundwater Flow Evaluation

Water level data from the most recent round of sampling along with historical water levels obtained from each well are summarized in Table 1. As noted in previous submittals, monitoring wells MW-6, MW-8, MW-12, MW-14 and MW-15 are screened within a shallow, localized, saturated clay/silt unit which is underlain by a more extensive sand unit. The remaining eleven monitoring wells have deeper screens, within the more extensive sand unit. The water levels from wells screened in the clay/silt unit and the water levels from monitoring wells screened within the sand unit were evaluated separately and used to generate groundwater flow maps for each unit. These maps are provided on Figures 2 and 3. The water elevation data within the clay/silt unit indicates localized groundwater flow in a westerly direction (Figure 2). Groundwater flow within the more extensive sand unit is generally in a north-westerly direction (Figure 3). The flow conditions observed during this sampling are generally consistent with historical conditions reported for the site.

Summary of Analytical Data

A copy of the analytical data package is provided in Attachment 1. The field parameter and groundwater analytical data from the most recent sampling, along with the previous eight quarters of data, are summarized in Table 2. The duplicate sample was collected from well MW-16. The trip blank showed no detectable contamination. The duplicate sample was analyzed and the relative percent difference for each detectable analyte was below 20% which is within an acceptable range.

In general, the data are generally consistent with the following general observations Boron concentrations at well MW-3 have decreased and selenium was detected when all previous samples were non-detect; there was an increase in sulfate at well MW-15; there was an increase in total dissolved solids in wells MW-13, MW-14 and MW-15; there was a decrease in manganese and an increase in nitrogen at well MW-14; there were slight increases in fluoride and chloride at wells MW-1 and MW-2, respectively. All wells for which the sampling data reports a value above one or more groundwater standards are located within the area of the approved Groundwater Management Zone.

The data from the East Yard Run-off Basin sampling along with the previous sampling results are summarized in Table 3. This data is consistent with the data from the previous sampling data with the exception of an increase in sulfate, fluoride, and selenium. Under

the CCA, Midwest Generation was obligated to undertake four quarterly rounds of sampling of the East Yard Run-off Basin. At this time, ten (10) rounds of sampling have occurred. That obligation has been met and exceeded. Accordingly, Midwest Generation respectfully continues to request that the obligation to undertake quarterly sampling at the East Yard Run-off Basin cease.

If there are any questions, please contact either Sharene Shealey of Midwest Generation at 815-372-4625 or Richard Gnat of KPRG at 262-781-0475.

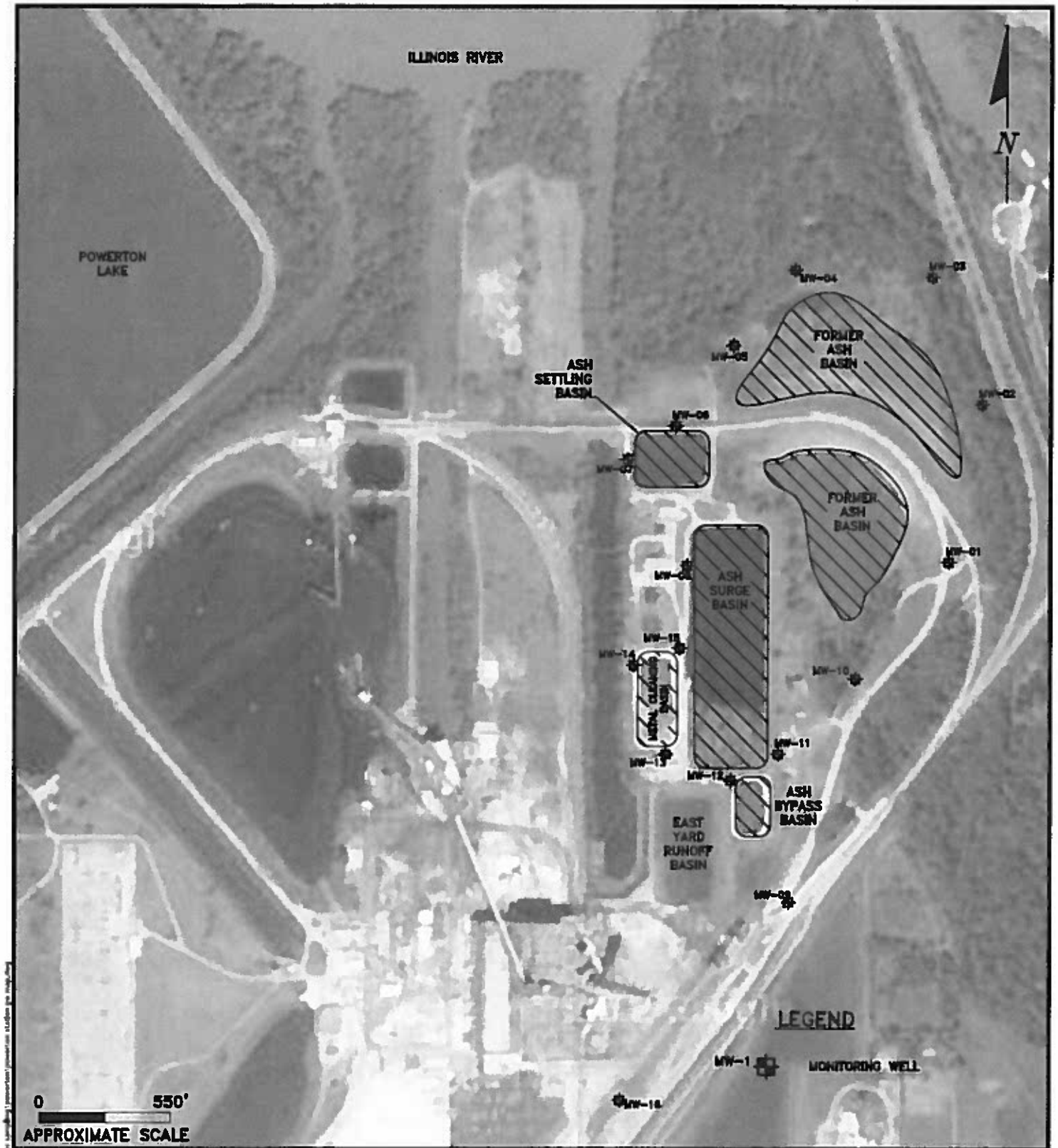
Sincerely,

Dale Green
Station Manager

Attachments

cc: William Buscher, IEPA
Rachel Winters, Midwest Generation
Sharene Shealey, Midwest Generation
Richard Gnat, KPRG and Associates, Inc.

FIGURES



ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG

KPRG and Associates, Inc.

14665 West Lisbon Road, Suite 2B Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

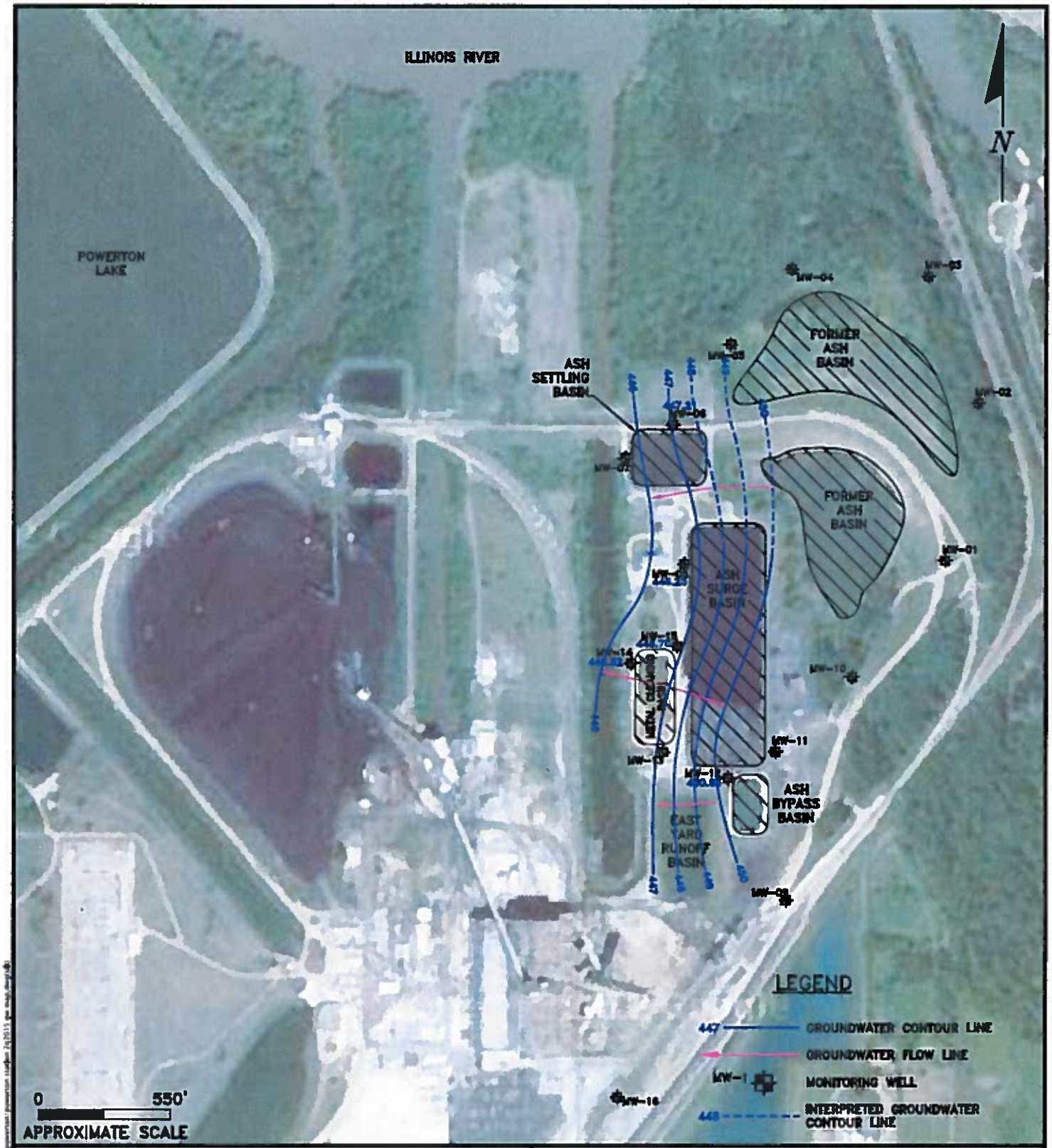
414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

SITE MAP

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: January 23, 2015

KPRG Project No. 12313.1 | FIGURE 1



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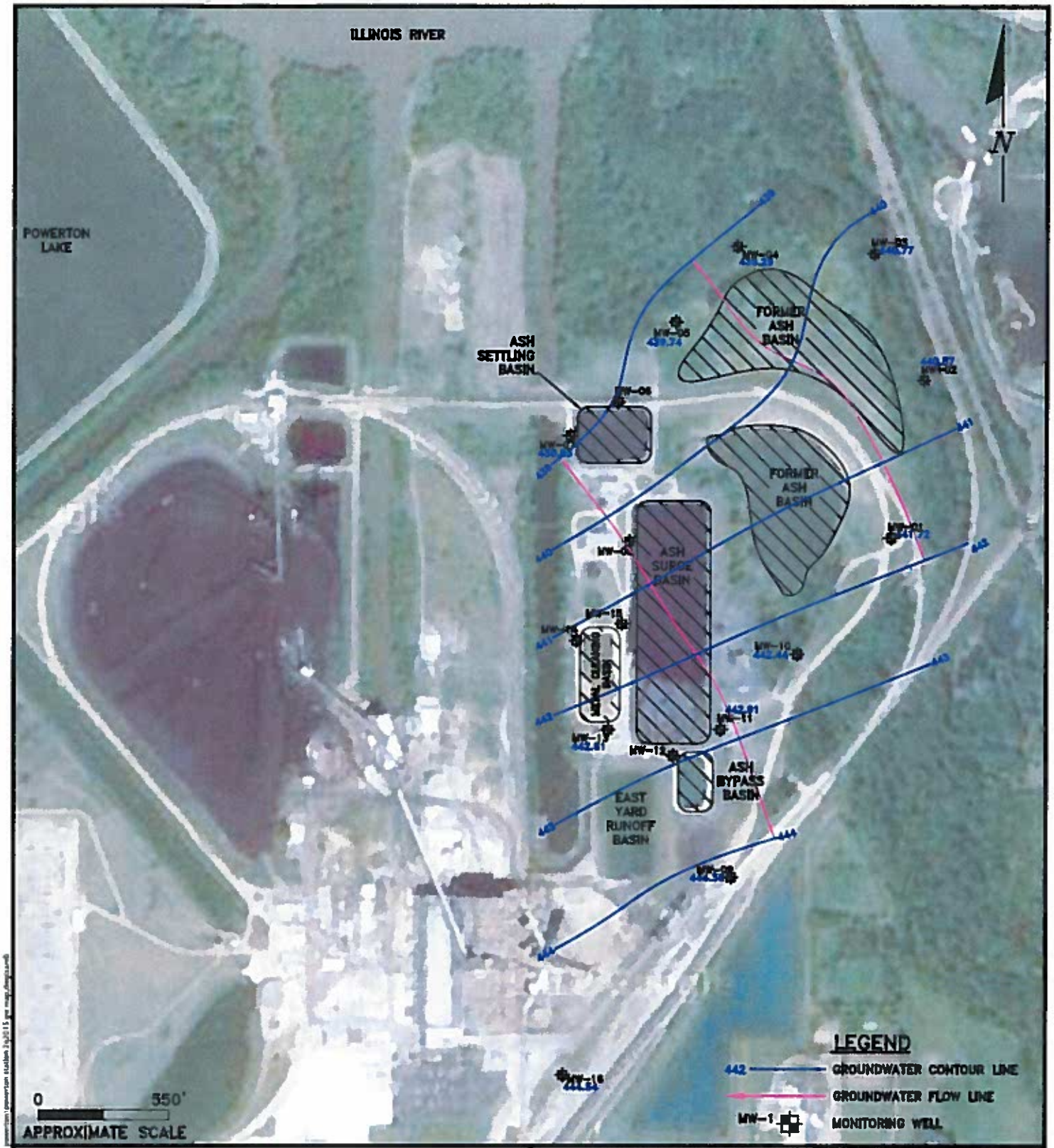
GROUNDWATER CONTOUR MAP FOR SILT/CLAY UNIT 05/2015

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: June 26, 2015

KPRG Project No. 12313.1 | FIGURE 2



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414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

GROUNDWATER CONTOUR MAP FOR GRAVELLY SAND UNIT 05/2015

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: June 26, 2015

KPRG Project No. 12313.1 | FIGURE 3

TABLES

Table 1. Groundwater Elevations - Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-01	9/19/2011	465 06	461 67	439 95	439 93	430 97	25 11	25 13	34 09
	12/12/2011	465 06	461 67	439 78	439 78	430 97	25 28	25 28	34 09
	3/19/2012	465 06	461 67	442 40	442 40	430 97	22 66	22 66	34 09
	4/4/2012	465 06	461 67	441 39	NM	430 97	23 67	NM	34 09
	6/25/2012	465 06	461 67	437 84	437 84	430 97	27 22	27 22	34 09
	9/18/2012	465 06	461 67	435 37	435 34	430 97	29 69	29 72	34 09
	12/12/2012	465 06	461 67	435 06	435 06	430 97	30 00	30 00	34 09
	2/27/2013	465 06	461 67	439 56	438 62	430 97	25 50	26 44	34 09
	5/29/2013	465 06	461 67	446 35	446 50	430 96	18 71	18 56	34 10
	7/29/2013	465 06	461 67	441 71	441 71	430 96	23 35	23 35	34 10
	10/21/2013	465 06	461 67	435 98	435 99	430 96	29 08	29 07	34 10
	3/6/2014	465 06	461 67	442 20	442 20	430 96	22 86	22 86	34 10
	5/27/2014	465 06	461 67	442 00	442 01	430 96	23 06	23 05	34 10
	8/28/2014	465 06	461 67	439 33	439 34	430 96	25 73	25 72	34 10
	10/29/2014	465 06	461 67	441 92	441 92	430 96	23 14	23 14	34 10
	2/23/2015	465 06	461 67	441 45	441 45	430 96	23 61	23 61	34 10
	5/11/2015	465 06	461 67	441 72	441 73	430 96	23 34	23 33	34 10
MW-02	9/19/2011	462 42	459 25	433 27	433 27	425 31	29 15	29 15	37 11
	12/12/2011	462 42	459 25	434 78	434 78	425 31	27 64	27 64	37 11
	3/19/2012	462 42	459 25	437 48	437 48	425 31	24 94	24 94	37 11
	4/4/2012	462 42	459 25	436 92	NM	425 31	25 50	NM	37 11
	6/25/2012	462 42	459 25	433 69	433 68	425 31	28 73	28 74	37 11
	9/18/2012	462 42	459 25	431 30	431 31	425 31	31 12	31 11	37 11
	12/12/2012	462 42	459 25	431 12	431 12	425 31	31 30	31 30	37 11
	2/27/2013	462 42	459 25	436 02	434 63	425 31	26 40	27 79	37 11
	5/29/2013	462 42	459 25	444 38	444 81	425 31	18 04	17 61	37 11
	7/29/2013	462 42	459 25	434 84	434 84	425 31	27 58	27 58	37 11
	10/21/2013	462 42	459 25	431 64	431 65	425 31	30 78	30 77	37 11
	3/5/2014	462 42	459 25	442 74	442 73	425 31	19 68	19 69	37 11
	5/27/2014	462 42	459 25	440 91	440 91	425 31	21 51	21 51	37 11
	8/25/2014	462 42	459 25	436 20	436 27	425 31	26 22	26 15	37 11
	10/27/2014	462 42	459 25	439 27	439 25	425 31	23 15	23 17	37 11
	2/25/2015	462 42	459 25	435 54	435 53	425 31	26 88	26 89	37 11
	5/13/2015	462 42	459 25	440 57	440 59	425 31	21 85	21 83	37 11
MW-03	9/19/2011	462 34	459 10	432 73	432 72	425 05	29 61	29 62	37 29
	12/12/2011	462 34	459 10	433 88	433 88	425 05	28 46	28 46	37 29
	3/19/2012	462 34	459 10	436 94	436 94	425 05	25 40	25 40	37 29
	4/4/2012	462 34	459 10	435 67	NM	425 05	26 67	NM	37 29
	6/25/2012	462 34	459 10	432 86	432 86	425 05	29 48	29 48	37 29
	9/18/2012	462 34	459 10	430 71	430 71	425 05	31 63	31 63	37 29
	12/12/2012	462 34	459 10	429 94	429 94	425 05	32 40	32 40	37 29
	2/27/2013	462 34	459 10	436 39	435 87	425 05	25 95	26 47	37 29
	5/29/2013	462 34	459 10	444 87	445 14	425 04	17 47	17 20	37 30
	7/31/2013	462 34	459 10	434 87	434 87	425 04	27 47	27 47	37 30
	10/21/2013	462 34	459 10	430 91	430 91	425 04	31 43	31 43	37 30
	3/5/2014	462 34	459 10	442 23	442 22	425 04	20 11	20 12	37 30
	5/27/2014	462 34	459 10	440 70	440 69	425 04	21 64	21 65	37 30
	8/25/2014	462 34	459 10	434 72	434 73	425 04	27 62	27 61	37 30
	10/27/2014	462 34	459 10	439 45	439 46	425 04	22 89	22 88	37 30
	2/25/2015	462 34	459 10	436 26	436 25	425 04	26 08	26 09	37 30
	5/13/2015	462 34	459 10	440 77	440 79	425 04	21 57	21 55	37 30
MW-04	9/19/2011	460 48	457 29	431 63	431 63	423 39	28 85	28 85	37 09
	12/12/2011	460 48	457 29	433 28	433 28	423 39	27 20	27 20	37 09
	3/19/2012	460 48	457 29	434 93	434 93	423 39	25 55	25 55	37 09
	4/4/2012	460 48	457 29	434 15	NM	423 39	26 33	NM	37 09
	6/25/2012	460 48	457 29	432 38	432 38	423 39	28 10	28 10	37 09
	9/18/2012	460 48	457 29	430 34	430 34	423 39	30 14	30 14	37 09
	12/12/2012	460 48	457 29	430 28	430 28	423 39	30 20	30 20	37 09
	2/27/2013	460 48	457 29	434 36	433 21	423 39	26 12	27 27	37 09
	5/29/2013	460 48	457 29	443 93	444 59	423 33	16 55	15 89	37 15
	7/31/2013	460 48	457 29	432 86	432 86	423 33	27 62	27 62	37 15
	10/21/2013	460 48	457 29	430 60	430 62	423 33	29 88	29 86	37 15
	3/5/2014	460 48	457 29	442 09	442 09	423 33	18 39	18 39	37 15
	5/27/2014	460 48	457 29	439 49	439 48	423 33	20 99	21 00	37 15
	8/25/2014	460 48	457 29	435 10	435 14	423 33	25 38	25 34	37 15
	10/27/2014	460 48	457 29	436 01	435 97	423 33	24 47	24 51	37 15
	2/25/2015	460 48	457 29	432 09	432 09	423 33	28 39	28 39	37 15
	5/13/2015	460 48	457 29	439 29	439 32	423 33	21 19	21 16	37 15

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Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-05	9/19/2011	458 58	455 80	432 77	432 77	423 79	25 81	25 81	34 79
	12/12/2011	458 58	455 80	434 13	434 13	423 79	24 45	24 45	34 79
	3/19/2012	458 58	455 80	435 71	435 72	423 79	22 87	22 86	34 79
	4/4/2012	458 58	455 80	434 93	NM	423 79	23 65	NM	34 79
	6/25/2012	458 58	455 80	433 23	433 21	423 79	25 35	25 37	34 79
	9/18/2012	458 58	455 80	430 99	430 98	423 79	27 59	27 60	34 79
	12/12/2012	458 58	455 80	430 98	430 98	423 79	27 60	27 60	34 79
	2/27/2013	458 58	455 80	434 93	434 01	423 79	23 65	24 57	34 79
	5/29/2013	458 58	455 80	444 11	444 85	423 79	14 47	13 73	34 79
	7/31/2013	458 58	455 80	433 63	433 63	423 79	24 95	24 95	34 79
	10/21/2013	458 58	455 80	431 41	431 43	423 79	27 17	27 15	34 79
	3/5/2014	458 58	455 80	442 36	442 36	423 79	16 22	16 22	34 79
	5/27/2014	458 58	455 80	439 99	439 98	423 79	18 59	18 60	34 79
	8/25/2014	458 58	455 80	436 01	436 02	423 79	22 57	22 56	34 79
	10/27/2014	458 58	455 80	436 33	436 31	423 79	22 25	22 27	34 79
	2/25/2015	458 58	455 80	432 97	432 98	423 79	25 61	25 60	34 79
	5/13/2015	458 58	455 80	439 74	439 75	423 79	18 84	18 83	34 79
MW-06	9/19/2011	464 47	461 22	445 71	445 66	431 87	18 76	18 81	32 60
	12/12/2011	464 47	461 22	446 30	446 30	431 87	18 17	18 17	32 60
	3/19/2012	464 47	461 22	446 17	446 17	431 87	18 30	18 30	32 60
	4/4/2012	464 47	461 22	445 81	NM	431 87	18 66	NM	32 60
	6/25/2012	464 47	461 22	445 99	445 94	431 87	18 48	18 53	32 60
	9/18/2012	464 47	461 22	445 63	445 63	431 87	18 84	18 84	32 60
	12/12/2012	464 47	461 22	447 37	447 37	431 87	17 10	17 10	32 60
	2/27/2013	464 47	461 22	448 45	448 48	431 87	16 02	15 99	32 60
	5/31/2013	464 47	461 22	443 12	443 12	431 87	21 35	21 35	32 60
	7/31/2013	464 47	461 22	449 46	449 44	431 87	15 01	15 03	32 60
	10/23/2013	464 47	461 22	448 12	448 12	431 87	16 35	16 35	32 60
	3/6/2014	464 47	461 22	449 65	449 64	431 87	14 82	14 83	32 60
	5/29/2014	464 47	461 22	447 32	447 33	431 87	17 15	17 14	32 60
	8/27/2014	464 47	461 22	447 00	447 00	431 87	17 47	17 47	32 60
	10/29/2014	464 47	461 22	446 49	446 48	431 87	17 98	17 99	32 60
	2/23/2015	464 47	461 22	447 80	447 82	431 87	16 67	16 65	32 60
	5/11/2015	464 47	461 22	447 21	447 19	431 87	17 26	17 28	32 60
MW-07	9/19/2011	463 23	459 65	433 40	433 40	423 12	29 83	29 83	40 11
	12/12/2011	463 23	459 65	434 64	433 73	423 12	28 59	29 50	40 11
	3/19/2012	463 23	459 65	436 04	435 18	423 12	27 19	28 05	40 11
	4/4/2012	463 23	459 65	435 10	NM	423 12	28 13	NM	40 11
	6/25/2012	463 23	459 65	433 77	433 66	423 12	29 46	29 57	40 11
	9/18/2012	463 23	459 65	431 39	425 61	423 12	31 84	37 62	40 11
	12/12/2012	463 23	459 65	431 38	431 38	423 12	31 85	31 85	40 11
	2/27/2013	463 23	459 65	435 30	433 79	423 12	27 93	29 44	40 11
	5/31/2013	463 23	459 65	443 93	445 24	414 93	19 30	17 99	48 30
	7/31/2013	463 23	459 65	433 88	433 88	414 93	29 35	29 35	48 30
	10/23/2013	463 23	459 65	432 19	431 93	414 93	31 04	31 30	48 30
	3/5/2014	463 23	459 65	442 61	442 41	414 93	20 62	20 82	48 30
	5/29/2014	463 23	459 65	439 81	439 79	414 93	23 42	23 44	48 30
	8/27/2014	463 23	459 65	438 63	438 58	414 93	24 60	24 65	48 30
	10/29/2014	463 23	459 65	435 75	435 64	414 93	27 48	27 59	48 30
	2/23/2015	463 23	459 65	433 66	433 66	414 93	29 57	29 57	48 30
	5/11/2015	463 23	459 65	438 83	438 80	414 93	24 40	24 43	48 30
MW-08	9/19/2011	471 73	468 70	446 76	446 77	438 18	24 97	24 96	33 55
	12/12/2011	471 73	468 70	446 85	446 85	438 18	24 88	24 88	33 55
	3/19/2012	471 73	468 70	447 66	447 66	438 18	24 07	24 07	33 55
	4/4/2012	471 73	468 70	447 27	NM	438 18	24 46	NM	33 55
	6/25/2012	471 73	468 70	447 06	447 06	438 18	24 67	24 67	33 55
	9/18/2012	471 73	468 70	446 70	446 70	438 18	25 03	25 03	33 55
	12/12/2012	471 73	468 70	447 23	447 23	438 18	24 50	24 50	33 55
	2/27/2013	471 73	468 70	448 53	449 98	438 18	23 20	21 75	33 55
	5/30/2013	471 73	468 70	447 82	447 80	438 21	23 91	23 93	33 52
	7/31/2013	471 73	468 70	448 53	448 53	438 21	23 20	23 20	33 52
	10/23/2013	471 73	468 70	447 12	447 12	438 21	24 61	24 61	33 52
	3/3/2014	471 73	468 70	447 89	447 89	438 21	23 84	23 84	33 52
	5/28/2014	471 73	468 70	446 86	446 91	438 21	24 87	24 82	33 52
	8/27/2014	471 73	468 70	446 35	446 35	438 21	25 38	25 38	33 52
	10/28/2014	471 73	468 70	446 16	446 16	438 21	25 57	25 57	33 52
	2/26/2015	471 73	468 70	446 67	446 68	438 21	25 06	25 05	33 52
	5/11/2015	471 73	468 70	446 25	446 25	438 21	25 48	25 48	33 52

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Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-09	9/19/2011	469 19	466 21	443 64	443 64	434 06	25 55	25 55	35 13
	12/12/2011	469 19	466 21	443 08	443 08	434 06	26 11	26 11	35 13
	3/19/2012	469 19	466 21	443 78	443 78	434 06	25 41	25 41	35 13
	4/4/2012	469 19	466 21	443 49	NM	434 06	25 70	NM	35 13
	6/25/2012	469 19	466 21	442 55	442 52	434 06	26 64	26 67	35 13
	9/18/2012	469 19	466 21	440 29	440 29	434 06	28 90	28 90	35 13
	12/12/2012	469 19	466 21	439 77	439 77	434 06	29 42	29 42	35 13
	2/27/2013	469 19	466 21	441 69	442 40	434 06	27 50	26 79	35 13
	5/30/2013	469 19	466 21	449 35	449 50	434 05	19 84	19 69	35 14
	7/30/2013	469 19	466 21	444 99	444 99	434 05	24 20	24 20	35 14
	10/22/2013	469 19	466 21	441 05	441 04	434 05	28 14	28 15	35 14
	3/3/2014	469 19	466 21	444 36	444 36	434 05	24 83	24 83	35 14
	5/29/2014	469 19	466 21	444 82	444 83	434 05	24 37	24 36	35 14
	8/26/2014	469 19	466 21	443 42	443 43	434 05	25 77	25 76	35 14
	10/30/2014	469 19	466 21	444 08	444 09	434 05	25 11	25 10	35 14
	2/24/2015	469 19	466 21	443 11	443 08	434 05	26 08	26 11	35 14
	5/12/2015	469 19	466 21	444 36	444 36	434 05	24 83	24 83	35 14
MW-10	9/19/2011	457 39	454 09	439 99	439 98	424 89	17 40	17 41	32 50
	12/12/2011	457 39	454 09	440 01	440 01	424 89	17 38	17 38	32 50
	3/19/2012	457 39	454 09	442 03	442 03	424 89	15 36	15 36	32 50
	4/4/2012	457 39	454 09	441 06	NM	424 89	16 33	NM	32 50
	6/25/2012	457 39	454 09	438 39	438 39	424 89	19 00	19 00	32 50
	9/18/2012	457 39	454 09	436 06	436 06	424 89	21 33	21 33	32 50
	12/12/2012	457 39	454 09	435 79	435 79	424 89	21 60	21 60	32 50
	2/27/2013	457 39	454 09	439 50	439 85	424 89	17 89	17 54	32 50
	5/29/2013	457 39	454 09	446 90	447 06	424 89	10 49	10 33	32 50
	7/31/2013	457 39	454 09	441 21	441 21	424 89	16 18	16 18	32 50
	10/23/2013	457 39	454 09	436 73	436 74	424 89	20 66	20 65	32 50
	3/6/2014	457 39	454 09	442 64	442 64	424 89	14 75	14 75	32 50
	5/30/2014	457 39	454 09	442 23	442 23	424 89	15 16	15 16	32 50
	8/28/2014	457 39	454 09	440 07	440 07	424 89	17 32	17 32	32 50
	10/30/2014	457 39	454 09	441 45	441 45	424 89	15 94	15 94	32 50
	2/23/2015	457 39	454 09	440 88	440 88	424 89	16 51	16 51	32 50
	5/14/2015	457 39	454 09	442 44	442 44	424 89	14 95	14 95	32 50
MW-11	9/19/2011	471 59	468 07	440 49	440 49	427 94	31 10	31 10	43 65
	12/12/2011	471 59	468 07	440 51	440 50	427 94	31 08	31 09	43 65
	3/19/2012	471 59	468 07	441 63	441 60	427 94	29 96	29 99	43 65
	4/4/2012	471 59	468 07	441 03	NM	427 94	30 56	NM	43 65
	6/25/2012	471 59	468 07	439 54	439 52	427 94	32 05	32 07	43 65
	9/18/2012	471 59	468 07	437 31	437 31	427 94	34 28	34 28	43 65
	12/12/2012	471 59	468 07	437 09	437 09	427 94	34 50	34 50	43 65
	2/27/2013	471 59	468 07	439 79	440 57	427 94	31 80	31 02	43 65
	5/30/2013	471 59	468 07	447 35	447 79	427 89	24 24	23 80	43 70
	7/30/2013	471 59	468 07	441 49	441 49	427 89	30 10	30 10	43 70
	10/22/2013	471 59	468 07	437 95	437 94	427 89	33 64	33 65	43 70
	3/4/2014	471 59	468 07	443 65	443 66	427 89	27 94	27 93	43 70
	5/29/2014	471 59	468 07	443 02	442 99	427 89	28 57	28 60	43 70
	8/26/2014	471 59	468 07	441 27	441 25	427 89	30 32	30 34	43 70
	10/28/2014	471 59	468 07	441 37	441 38	427 89	30 22	30 21	43 70
	2/24/2015	471 59	468 07	440 57	440 55	427 89	31 02	31 04	43 70
	5/12/2015	471 59	468 07	442 91	442 92	427 89	28 68	28 67	43 70
MW-12	9/19/2011	473 38	470 00	449 88	449 88	440 81	23 50	23 50	32 57
	12/12/2011	473 38	470 00	450 03	450 03	440 81	23 35	23 35	32 57
	3/19/2012	473 38	470 00	451 18	451 18	440 81	22 20	22 20	32 57
	4/4/2012	473 38	470 00	450 83	NM	440 81	22 55	NM	32 57
	6/25/2012	473 38	470 00	450 38	450 35	440 81	23 00	23 03	32 57
	9/18/2012	473 38	470 00	449 95	449 93	440 81	23 43	23 45	32 57
	12/12/2012	473 38	470 00	449 18	449 18	440 81	24 20	24 20	32 57
	2/27/2013	473 38	470 00	451 07	451 43	440 81	22 31	21 95	32 57
	5/30/2013	473 38	470 00	451 84	451 84	440 79	21 54	21 54	32 59
	7/29/2013	473 38	470 00	449 45	449 43	440 79	23 93	23 95	32 59
	10/22/2013	473 38	470 00	447 83	447 22	440 79	25 55	26 16	32 59
	3/4/2014	473 38	470 00	451 45	451 45	440 79	21 93	21 93	32 59
	5/29/2014	473 38	470 00	450 22	450 23	440 79	23 16	23 15	32 59
	8/26/2014	473 38	470 00	449 49	449 48	440 79	23 89	23 90	32 59
	10/28/2014	473 38	470 00	449 21	449 20	440 79	24 17	24 18	32 59
	2/24/2015	473 38	470 00	451 43	451 42	440 79	21 95	21 96	32 59
	5/12/2015	473 38	470 00	450 63	450 63	440 79	22 75	22 75	32 59

Table 1. Groundwater Elevations - Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-13	4/25/2011	470 94	467 65	446 06	446 12	427 82	24 88	24 82	43 12
	6/16/2011	470 94	467 65	447 39	447 39	427 82	23 55	23 55	43 12
	8/9/2011	470 94	467 65	437 72	438 55	427 82	33 22	32 39	43 12
	10/13/2011	470 94	467 65	436 84	436 84	427 82	34 10	34 10	43 12
	12/12/2011	470 94	467 65	437 79	437 64	427 82	33 15	33 30	43 12
	4/10/2012	470 94	467 65	437 73	437 29	427 82	33 21	33 65	43 12
	12/14/2012	470 94	467 65	437 40	437 40	427 82	33 54	33 54	43 12
	2/27/2013	470 94	467 65	437 99	438 04	427 82	32 95	32 90	43 12
	5/30/2013	470 94	467 65	445 45	446 45	427 85	25 49	24 49	43 09
	7/30/2013	470 94	467 65	437 59	437 59	427 85	33 35	33 35	43 09
	10/22/2013	470 94	467 65	437 56	437 40	427 85	33 38	33 54	43 09
	3/4/2014	470 94	467 65	443 96	443 51	427 85	26 98	27 43	43 09
	5/28/2014	470 94	467 65	442 19	442 18	427 85	28 75	28 76	43 09
	8/27/2014	470 94	467 65	440 82	440 71	427 85	30 12	30 23	43 09
	10/29/2014	470 94	467 65	438 47	438 20	427 85	32 47	32 74	43 09
	2/20/2015	470 94	467 65	437 57	437 30	427 85	33 37	33 64	43 09
	5/13/2015	470 94	467 65	442 61	442 15	427 85	28 33	28 79	43 09
MW-14	4/25/2011	470 79	467 67	448 13	447 95	437 21	22 66	22 84	33 58
	6/16/2011	470 79	467 67	448 28	448 27	437 21	22 51	22 52	33 58
	8/9/2011	470 79	467 67	448 11	446 76	437 21	22 68	24 03	33 58
	10/13/2011	470 79	467 67	445 28	441 14	437 21	25 51	29 65	33 58
	12/12/2011	470 79	467 67	443 71	440 10	437 21	27 08	30 69	33 58
	4/10/2012	470 79	467 67	446 80	446 74	437 21	23 99	24 05	33 58
	12/14/2012	470 79	467 67	444 89	444 89	437 21	25 90	25 90	33 58
	2/27/2013	470 79	467 67	447 29	447 89	437 21	23 50	22 90	33 58
	5/30/2013	470 79	467 67	448 37	448 33	437 21	22 42	22 46	33 58
	7/30/2013	470 79	467 67	447 59	447 54	437 21	23 20	23 25	33 58
	10/23/2013	470 79	467 67	444 92	444 54	437 21	25 87	26 25	33 58
	3/4/2014	470 79	467 67	446 32	445 94	437 21	24 47	24 85	33 58
	5/28/2014	470 79	467 67	446 55	446 54	439 32	24 24	24 25	31 47
	8/28/2014	470 79	467 67	445 81	445 07	439 32	24 98	25 72	31 47
	10/29/2014	470 79	467 67	445 55	444 59	439 32	25 24	26 20	31 47
	2/26/2015	470 79	467 67	441 69	441 26	439 32	29 10	29 53	31 47
	5/13/2015	470 79	467 67	446 82	446 41	439 32	23 97	24 38	31 47
MW-15	4/25/2011	471 38	468 26	448 29	448 29	439 04	23 09	23 09	32 34
	6/16/2011	471 38	468 26	449 16	448 56	439 04	22 22	22 82	32 34
	8/9/2011	471 38	468 26	447 82	447 82	439 04	23 56	23 56	32 34
	10/13/2011	471 38	468 26	446 73	446 73	439 04	24 65	24 65	32 34
	12/12/2011	471 38	468 26	446 78	446 76	439 04	24 60	24 62	32 34
	4/10/2012	471 38	468 26	447 49	447 56	439 04	23 89	23 82	32 34
	12/14/2012	471 38	468 26	446 71	446 71	439 04	24 67	24 67	32 34
	2/27/2013	471 38	468 26	448 48	449 05	439 04	22 90	22 33	32 34
	5/30/2013	471 38	468 26	449 36	449 29	439 91	22 02	22 09	31 47
	7/30/2013	471 38	468 26	448 70	448 68	439 91	22 68	22 70	31 47
	10/23/2013	471 38	468 26	447 70	447 70	439 91	23 68	23 68	31 47
	3/6/2014	471 38	468 26	447 52	447 53	439 91	23 86	23 85	31 47
	5/28/2014	471 38	468 26	447 14	447 13	439 91	24 24	24 25	31 47
	8/27/2014	471 38	468 26	446 52	446 51	439 91	24 86	24 87	31 47
	10/28/2014	471 38	468 26	446 22	446 12	439 91	25 16	25 26	31 47
	2/26/2015	471 38	468 26	446 41	446 35	439 91	24 97	25 03	31 47
	5/14/2015	471 38	468 26	446 70	446 70	439 91	24 68	24 68	31 47
MW-16	12/12/2012	471 56	468 26	441 16	441 16	434 36	30 40	30 40	37 20
	2/27/2013	471 56	468 26	442 56	441 13	434 36	29 00	30 43	37 20
	5/29/2013	471 56	468 26	449 74	449 74	434 27	21 82	21 82	37 29
	7/29/2013	471 56	468 26	446 17	446 16	434 27	25 39	25 40	37 29
	10/22/2013	471 56	468 26	442 54	442 54	434 27	29 02	29 02	37 29
	3/3/2014	471 56	468 26	444 36	444 36	434 27	27 20	27 20	37 29
	5/30/2014	471 56	468 26	445 54	445 54	434 27	26 02	26 02	37 29
	8/26/2014	471 56	468 26	443 83	443 82	434 27	27 73	27 74	37 29
	10/30/2014	471 56	468 26	444 76	444 76	434 27	26 80	26 80	37 29
	2/24/2015	471 56	468 26	443 74	443 74	434 27	27 82	27 82	37 29
	5/12/2015	471 56	468 26	444 54	444 54	434 27	27 02	27 02	37 29

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-01	Date	5/29/2013		7/29/2013		10/21/2013		3/6/2014		5/27/2014		8/28/2014		10/29/2014		2/23/2015		5/11/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	0 0048	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Barium	2 0	0 0025	0 078	0 0025	0 081	0 0025	0 070	0 0025	0 064	0 0025	0 041	0 0025	0 046	0 0025	0 049	0 0025	0 037	0 0025	0 038
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 47	0 050	0 48	0 050	0 62	0 050	0 53	0 050	0 26	0 050	0 16	0 050	0 075	0 050	0 059	0 050	0 087
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	160	10	140	2 0	46	2 0	48	2 0	73	2 0	58	2 0	42	2 0	37	2 0	67
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND ^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	0 011	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 12	0 10	0 16	0 10	0 11	0 10	0 10	0 10	0 13	0 10	0 15	0 10	0 18	0 10	0 17	0 10	0 23
Iron	5 0	0 10	0 43	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Lead	0 0075	0 00050	0 00080	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	0 027	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0043	0 0025	ND
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	0 23	0 10	0 42	0 10	4 5	0 10	4 7	0 10	2 2	0 10	1 5	0 10	4 4	0 10	4 1	0 10	2 6
Nitrogen/Nitrate, Nitrite	NA	0 10	0 23	0 10	0 42	0 50	4 5	0 50	4 7	0 50	2 2	0 10	1 5	0 50	4 4	0 50	4 1	0 20	2 6
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	0 0042	0 0025	0 0040	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	100	330	50	270	20	85	20	99	20	51	10	36	20	54	10	43	10	50
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	840	10	870	10	660	10	590	10	440	10	350	10	410	10	470	10	450
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 00	NA	6 75	NA	7 12	NA	7 65	NA	7 15	NA	7 25	NA	7 25	NA	6 93	NA	7 39
Temperature	NA	NA	10 71	NA	15 64	NA	15 06	NA	9 08	NA	18 25 *	NA	21 57	NA	17 15	NA	1 92	NA	14 01
Conductivity	NA	NA	0 94	NA	1 06	NA	0 88	NA	0 55	NA	0 73	NA	0 71	NA	0 92	NA	0 44	NA	0 65
Dissolved Oxygen	NA	NA	3 10	NA	2 03	NA	1 33	NA	3 25	NA	5 05	NA	0 94	NA	1 63	NA	9 99	NA	4 82
ORP	NA	NA	30 4	NA	58 8	NA	-127	NA	-37 2	NA	-14 1	NA	21 5	NA	-3 6	NA	150 7	NA	53 6

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-02	Date	5/29/2013		7/29/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	0 015	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0010	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	0 0015	0 0010	0 0016
Barium	2 0	0 0025	0 053	0 0025	0 078	0 0025	0 088	0 0025	0 046	0 0025	0 069	0 0025	0 071	0 0025	0 067	0 0025	0 051	0 0025	0 055
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 21	0 050	1 4	0 050	2 7	0 050	0 28	0 050	0 38	0 050	1 1	0 050	0 078	0 050	0 082	0 050	0 11
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	2 0	53	2 0	48	10	90	10	88	10	91	2 0	58 ^	2 0	44	2 0	54	10	92
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	0 0021	0 0020	ND	0 0020	ND	0 0020	ND*	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	0 024	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 32	0 10	0 19	0 10	0 17	0 10	0 19	0 10	0 18	0 10	0 19	0 10	0 22	0 10	0 17	0 10	0 22
Iron	5 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 0013	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	ND	0 0025	0 0060	0 0025	0 0060	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	0 44	0 10	0 59	0 10	1 1	0 10	2 4	0 10	4 0	0 10	0 28	0 10	4 3	0 10	5 9	0 10	1 2
Nitrogen/Nitrate, Nitrite	NA	0 10	0 48	0 10	0 59	0 10	1 1	0 50	2 4	0 50	4 0	0 10	0 28	0 50	4 3	0 50	5 9	0 10	1 2
Nitrogen/Nitrite	NA	0 020	0 041	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	20	96	25	140	50	190	10	53	20	63	20	76	20	49	10	57	10	41
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	340	10	560	10	770	10	430	10	440	10	460	10	440	10	510	10	490
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 39	NA	7 03	NA	7 20	NA	8 21	NA	7 19	NA	7 01	NA	7 37	NA	8 13	NA	7 86
Temperature	NA	NA	20 87	NA	17 02	NA	12 34	NA	6 67	NA	15 72 *	NA	20 87	NA	17 43	NA	2 61	NA	12 12
Conductivity	NA	NA	0 56	NA	0 74	NA	0 80	NA	0 40	NA	0 69	NA	0 76	NA	0 78	NA	0 49	NA	0 66
Dissolved Oxygen	NA	NA	0 65	NA	0 47	NA	0 32	NA	7 92	NA	0 55	NA	0 46	NA	2 96	NA	11 55	NA	1 99
ORP	NA	NA	-34 5	NA	33 9	NA	-180 3	NA	-53	NA	72 5	NA	35 9	NA	60 1	NA	113 1	NA	87 3

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	milliseimens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-03	Date	5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	0 0057	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0012	0 0010	0 0013	0 0010	0 0011	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	0 0010
Barium	2 0	0 0025	0 061	0 0025	0 064	0 0025	0 099	0 0025	0 056	0 0025	0 052	0 0025	0 070	0 0025	0 063	0 0025	0 048	0 0025	0 045
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 21	0 050	0 47	0 050	0 46	0 050	0 14	0 050	0 15	0 050	0 37	0 050	0 14	0 050	0 32	0 050	0 086
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	2 0	55	2 0	60	2 0	57	10	120	10	100	10	79	2 0	47	2 0	47	2 0	48
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	0 0057	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	0 011	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 31	0 10	0 28	0 10	0 26	0 10	0 24	0 10	0 23	0 10	0 25	0 10	0 25	0 10	0 23	0 10	0 22
Iron	5 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 00097	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	ND	0 0025	ND	0 0025	0 0039	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	0 0036	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	0 15	0 10	ND	0 10	ND	0 10	2 6	0 10	5 3	0 10	ND	0 10	2 4	0 10	2 0	0 10	2 7
Nitrogen/Nitrate, Nitrite	NA	0 10	0 15	0 10	ND	0 10	ND	0 50	2 6	0 50	5 3	0 10	ND	0 50	2 4	0 10	2 0	0 20	2 7
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0046
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	20	82	20	99	20	96	20	65	20	65	25	100	10	40	10	46	10	39
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	310	10	460	10	430	10	490	10	440	10	490	10	440	10	400	10	380
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	0 14	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0012	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 31	NA	7 22	NA	7 25	NA	8 34	NA	7 27	NA	6 97	NA	7 43	NA	7 75	NA	7 63
Temperature	NA	NA	21 93	NA	24 89	NA	20 22	NA	7 08	NA	16 70	NA	19 57	NA	19 36	NA	8 51	NA	10 39
Conductivity	NA	NA	0 56	NA	0 76	NA	0 70	NA	0 43	NA	0 66	NA	0 83	NA	0 79	NA	0 49	NA	0 53
Dissolved Oxygen	NA	NA	0 40	NA	0 24	NA	0 35	NA	5 08	NA	4 83	NA	0 48	NA	2 33	NA	3 65	NA	6 34
ORP	NA	NA	-101 8	NA	-44 7	NA	-160 1	NA	-60 3	NA	117 3	NA	45 0	NA	52 0	NA	102 3	NA	107 9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-04	Date	5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Barium	2 0	0 0025	0 030	0 0025	0 048	0 0025	0 062	0 0025	0 039	0 0025	0 054	0 0025	0 055	0 0025	0 070	0 0025	0 025	0 0025	0 025
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 23	0 050	0 67	0 050	0 81	0 050	0 81	0 050	0 94	0 050	1 0	0 050	0 77	0 050	0 94	0 050	0 80
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	2 0	54	2 0	70	10	150	10	130	10	92	10	95	10	96	10	74	2 0	65
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	0 0024	0 0020	0 0025	0 0020	ND^	0 0020	ND	0 0020	0 0021	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 39	0 10	0 31	0 10	0 21	0 10	0 29	0 10	0 23	0 10	0 25	0 10	0 21	0 10	0 32	0 10	0 26
Iron	5 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	ND	0 0025	0 13	0 0025	0 27	0 0025	0 026	0 0025	0 029	0 0025	0 24	0 0025	0 075	0 0025	0 018	0 0025	ND
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	0 0023	0 0020	0 0039	0 0020	ND	0 0020	ND	0 0020	0 0024	0 0020	0 0020	0 0020	ND	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	0 50	0 10	ND	0 10	ND	0 10	ND	0 10	0 14	0 10	0 30	0 10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	0 50	0 10	ND	0 10	ND	0 10	ND	0 10	0 14	0 10	0 30	0 10	ND
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	20	92	50	190	100	260	50	200	100	320	50	260	100	390	25	100	20	120
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	350	10	670	10	980	10	780	10	980	10	880	10	1100	10	580	10	540
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 30	NA	7 02	NA	7 00	NA	8 00	NA	7 04	NA	7 06	NA	7 20	NA	7 63	NA	7 30
Temperature	NA	NA	21 84	NA	26 31	NA	16 83	NA	11 96	NA	17 48 *	NA	24 18	NA	20 48	NA	8 95	NA	13 52
Conductivity	NA	NA	0 58	NA	1 08	NA	1 15	NA	0 81	NA	1 20	NA	1 36	NA	1 62	NA	0 72	NA	0 73
Dissolved Oxygen	NA	NA	0 47	NA	0 24	NA	0 53	NA	1 63	NA	2 01	NA	1 23	NA	0 83	NA	1 97	NA	3 05
ORP	NA	NA	-90 1	NA	4 1	NA	-169 7	NA	-57 0	NA	13 7	NA	53 5	NA	22 9	NA	22 5	NA	72 4

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature °C degrees Celcius
Conductivity ms/cm² millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-05	Date	5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Barium	2 0	0 0025	0 089	0 0025	0 092	0 0025	0 088	0 0025	0 059	0 0025	0 052	0 0025	0 069	0 0025	ND	0 0025	0 041	0 0025	0 055
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 70	0 050	0 64	0 050	0 83	0 050	0 70	0 050	0 76	0 050	0 71	0 050	ND	0 050	1 1	0 050	0 72
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	92	10	150	10	170	10	120	10	80	10	140	10	120	10	79	10	120
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	0 0022	0 0010	0 0015	0 0010	0 0015	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	0 0027	0 0020	ND^	0 0020	ND	0 0020	0 0023	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 23	0 10	0 24	0 10	0 24	0 10	0 35	0 10	0 29	0 10	0 32	0 10	0 28	0 10	0 38	0 10	0 37
Iron	5 0	0 10	0 20	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	0 67	0 0025	0 29	0 0025	0 62	0 0025	0 077	0 0025	0 043	0 0025	0 016	0 0025	ND	0 0025	0 058	0 0025	0 0078
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	0 0055	0 0020	0 0059	0 0020	0 0068	0 0020	0 0038	0 0020	0 0036	0 0020	0 0041	0 0020	ND	0 0020	0 0025	0 0020	0 0023
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	0 34	0 10	0 74	0 10	2 2	0 10	0 11	0 10	0 20	0 10	0 74	0 10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	0 34	0 10	0 77	0 50	2 2	0 10	0 11	0 10	0 20	0 10	0 74	0 10	ND
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	0 033	0 020	0 026	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0028	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	100	310	100	290	100	260	50	180	50	150	50	200	50	310	20	110	50	150
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	990	10	1000	10	1100	10	840	10	640	10	870	10	910	10	570	10	730
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	6 87	NA	6 82	NA	6 89	NA	7 69	NA	7 01	NA	6 86	NA	7 30	NA	7 52	NA	7 26
Temperature	NA	NA	16 36	NA	17 75	NA	14 79	NA	12 62	NA	20 54	NA	21 14	NA	21 18	NA	5 51	NA	17 46
Conductivity	NA	NA	1 14	NA	1 25	NA	1 33	NA	0 28	NA	1 01	NA	1 28	NA	1 38	NA	0 69	NA	1 06
Dissolved Oxygen	NA	NA	0 28	NA	0 36	NA	0 32	NA	1 17	NA	0 53	NA	1 01	NA	2 20	NA	2 50	NA	1 54
ORP	NA	NA	-50 9	NA	55 5	NA	-197	NA	-51	NA	-59 6	NA	64 8	NA	6 8	NA	9 8	NA	23 5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	mS/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-06	Date	5/29/2013		7/31/2013		10/23/2013		3/6/2014		5/29/2014		8/27/2014		10/29/2014		2/23/2015		5/11/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0027	0 0010	0 0037	0 0010	0 0039	0 0010	0 0010	0 0010	0 20	0 0010	0 0024	0 0010	0 0016	0 0010	0 0011	0 0010	ND
Barium	2 0	0 0025	0 12	0 0025	0 12	0 0025	0 11	0 0025	0 10	0 0025	0 54	0 0025	0 11	0 0025	0 10	0 0025	0 099	0 0025	0 094
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	1 0	0 050	0 62	0 050	0 51	0 050	0 34	0 050	0 35	0 050	0 52	0 050	0 34	0 050	0 34	0 050	0 35
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	99	10	200	10	210	10	230	10	230	10	230 ^	10	240	10	110	10	230
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	0 0068	0 0010	ND	0 0010	ND	0 0010	0 0013	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND ^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 36	0 10	0 56	0 10	0 64	0 10	0 42	0 10	0 53	0 10	0 74	0 10	0 79	0 10	0 48	0 10	0 52
Iron	5 0	0 10	1 8	0 10	2 2	0 10	1 8	0 10	1 5	0 10	22	0 10	1 0	0 10	0 81	0 10	1 0	0 10	0 29
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 00082	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	1 3	0 0025	0 70	0 0025	0 58	0 0025	0 68	0 013	8 0	0 0025	0 71	0 0025	0 57	0 0025	0 86	0 0025	0 90
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	0 0020	0 0020	ND	0 0020	0 0061	0 0020	ND	0 0020	ND	0 0020	0 0024	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	0 16	0 10	ND	0 10	ND	0 10	ND	0 10	0 11	0 10	ND	0 10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	0 16	0 10	ND	0 10	ND	0 10	ND	0 10	0 11	0 10	ND	0 10	ND
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	0 0030	0 0025	ND	0 0025	0 0065	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	130	560	100	440	100	310	100	410	100	530	100	300	100	380	100	360	100	350
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	1400	10	1200	10	1100	10	1100	10	1400	10	1300	10	1100	10	1100	10	1300
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 23	NA	7 37	NA	7 55	NA	8 21	NA	7 45	NA	7 73	NA	7 60	NA	8 05	NA	7 76
Temperature	NA	NA	16 14	NA	24 20	NA	23 30	NA	10 06	NA	19 41 *	NA	26 15	NA	19 31	NA	7 20	NA	17 91
Conductivity	NA	NA	1 47	NA	1 71	NA	1 74	NA	1 01	NA	1 84	NA	1 91	NA	2 36	NA	1 17	NA	1 67
Dissolved Oxygen	NA	NA	0 45	NA	0 14	NA	0 26	NA	1 24	NA	0 80	NA	0 39	NA	0 32	NA	0 96	NA	1 57
ORP	NA	NA	-97 1	NA	-180 4	NA	-233 2	NA	-168 8	NA	-25 3	NA	-143 4	NA	-126 7	NA	-147 7	NA	-73 6

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature °C degrees Celcius
Conductivity ms/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-07	Date	5/31/2013		7/31/2013		10/23/2013		3/5/2014		5/29/2014		8/27/2014		10/29/2014		2/23/2015		5/11/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 12	0 0010	0 22	0 0010	0 20	0 0010	0 15	0 0010	ND	0 0010	0 19	0 0010	0 31	0 0010	0 18	0 0010	0 18
Barium	2 0	0 0025	0 42	0 0025	0 46	0 0025	0 49	0 0025	0 56	0 0025	0 13	0 0025	0 52	0 0025	0 55	0 0025	0 61	0 0025	0 50
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 52	0 050	0 41	0 050	0 46	0 050	0 37	0 25	1 0	0 050	0 33	0 050	0 27	0 050	0 39	0 050	0 34
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	180	10	150	10	160	10	170	10	150	10	160 ^	10	150	10	130	10	170
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	0 0059	0 0010	0 0045	0 0010	0 0071	0 0010	0 0085	0 0010	ND	0 0010	0 0070	0 0010	0 0046	0 0010	0 012	0 0010	0 0070
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND ^	0 0020	ND	0 0020	0 0091	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 47	0 10	0 46	0 10	0 43	0 10	0 41	0 10	0 41	0 10	0 43	0 10	0 46	0 10	0 42	0 10	0 42
Iron	5 0	0 10	15	0 10	30	0 10	20	0 10	17	0 10	0 15	0 10	14	0 10	35	0 10	23	0 10	9 5
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 0011	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 0066	0 00050	ND
Manganese	0 15	0 025	5 7	0 0025	11	0 0025	5 9	0 0025	5 8 E	0 0025	0 33	0 013	6 6	0 013	13	0 013	7 0	0 050	5 9
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	0 0063	0 0020	0 0055	0 0020	0 0081	0 0020	0 0099	0 0020	ND	0 0020	0 0072	0 0020	0 0045	0 0020	0 020	0 0020	0 0077
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	0 0028	0 0025	ND	0 0025	0 0056	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	25	120	10	42	20	80	20	95	10	52	20	71	5 0	16	10	50	10	55
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	1000	10	1300	10	1200	10	1200	10	1200	10	1300	10	1300	10	1100	10	1100
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	0 0084	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	0 027	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	6 69	NA	6 68	NA	6 82	NA	7 20	NA	6 67	NA	7 00	NA	6 94	NA	6 90	NA	6 88
Temperature	NA	NA	17 12	NA	17 95	NA	16 36	NA	14 02	NA	17 66 *	NA	22 30	NA	14 31	NA	8 40	NA	17 66
Conductivity	NA	NA	1 42	NA	1 77	NA	1 66	NA	1 36	NA	1 78	NA	1 87	NA	2 62	NA	1 37	NA	1 67
Dissolved Oxygen	NA	NA	0 50	NA	0 29	NA	0 44	NA	1 01	NA	0 65	NA	0 47	NA	1 50	NA	2 66	NA	1 19
ORP	NA	NA	-145 5	NA	-140 7	NA	-134 7	NA	-116 9	NA	-94 6	NA	-118 1	NA	-109 2	NA	-93 7	NA	-109 8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-08	Date	5/30/2013		7/31/2013		10/23/2013		3/3/2014		5/28/2014		8/27/2014		10/28/2014		2/26/2015		5/11/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0036	0 0010	0 0041	0 0010	0 0037	0 0010	0 0030	0 0010	ND	0 0010	0 0025	0 0010	0 0022	0 0010	0 0026	0 0010	0 0024
Barium	2 0	0 0025	0 14	0 0025	0 13	0 0025	0 13	0 0025	0 11	0 0025	0 11	0 0025	0 13	0 0025	0 13	0 0025	0 12	0 0025	0 10
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 91	0 050	1 2	0 050	0 93	0 050	0 83	0 050	0 44	0 050	0 80	0 050	0 72	0 050	0 81	0 050	0 74
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	230	10	220	10	260	10	230	10	340	50	380 ^	10	340	10	260	10	270
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND ^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 74	0 10	0 68	0 10	0 74	0 10	0 67	0 10	0 65	0 10	0 73	0 10	0 71	0 10	0 63	0 10	0 66
Iron	5 0	0 10	2 3	0 10	6 6	0 10	1 3	0 10	0 89	0 10	0 24	0 10	0 62	0 10	0 53	0 10	0 17	0 10	0 12
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	0 25	0 0025	0 48	0 0025	0 16	0 0025	0 20	0 0025	0 70	0 0025	0 17	0 0025	0 13	0 0025	0 11	0 0025	0 11
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	0 0029	0 0025	ND	0 0025	0 0048	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	100	460	100	380	100	350	100	320	100	300	50	240	50	290	50	160	50	160
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	1300	10	1300	10	1300	10	1200	10	1400	10	1400	10	1200	10	1100	10	1100
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0040	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 81	NA	7 39	NA	8 16	NA	8 46	NA	7 72	NA	8 12	NA	7 89	NA	8 62	NA	7 90
Temperature	NA	NA	18 11	NA	17 58	NA	15 62	NA	11 74	NA	19 53	NA	19 84	NA	16 22	NA	6 86	NA	15 81
Conductivity	NA	NA	1 55	NA	1 60	NA	1 62	NA	1 29	NA	1 94	NA	1 95	NA	1 99	NA	1 19	NA	1 55
Dissolved Oxygen	NA	NA	0 32	NA	0 16	NA	0 25	NA	1 19	NA	0 59	NA	0 51	NA	0 66	NA	1 22	NA	2 97
ORP	NA	NA	-225 9	NA	-182	NA	-225	NA	140 2	NA	-65 2	NA	-148 4	NA	-62 6	NA	-154 2	NA	-97 9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-09	Date	5/30/2013		7/30/2013		10/22/2013		3/3/2014		5/29/2014		8/26/2014		10/30/2014		2/24/2015		5/12/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	0 0021	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Barium	2 0	0 0025	0 042	0 0025	0 050	0 0025	0 048	0 0025	0 064	0 0025	0 044	0 0025	0 039	0 0025	0 047	0 0025	0 043	0 0025	0 026
Beryllium	0 004	0 0010	ND^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	3 2	0 050	2 5	0 050	1 6	0 050	1 7	0 25	2 5	0 050	2 4	0 050	1 6	0 050	3 0	0 050	3 2
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	2 0	29	2 0	33	2 0	42	2 0	25	2 0	34	2 0	33	2 0	32	2 0	34	2 0	37
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	0 0032	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 21	0 10	0 18	0 10	0 17	0 10	0 16	0 10	0 20	0 10	0 19	0 10	0 15	0 10	0 18	0 10	0 16
Iron	5 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 00051	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	0 053	0 0025	0 038	0 0025	0 019	0 0025	0 84	0 0025	0 36	0 0025	0 031	0 0025	0 022	0 0025	0 024	0 0025	0 086
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	0 0045	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	11	0 10	7 9	0 10	4 6	0 10	3 2	0 10	11	0 10	1 6	0 10	5 9	0 10	13	0 10	9 3
Nitrogen/Nitrate, Nitrite	NA	1 0	11	0 50	7 9	0 50	4 6	0 50	3 2	2 5	11	0 10	1 6	0 50	5 9	1 0	13	1 0	9 3
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	0 016	0 0025	0 014	0 0025	0 0047	0 0025	0 0030	0 0025	0 0074	0 0025	0 0061	0 0025	0 0084	0 0025	0 0091	0 0025	0 014
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	50	140	25	130	25	90	25	110	50	110	25	100	50	160	25	130	50	140
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	600	10	610	10	430	10	560	10	540	10	490	10	630	10	570	10	620
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 21	NA	6 63	NA	7 19	NA	7 53	NA	6 99	NA	7 09	NA	7 29	NA	7 53	NA	7 44
Temperature	NA	NA	17 38	NA	14 49	NA	14 68	NA	11 20	NA	19 42	NA	20 80	NA	12 73	NA	11 65	NA	14 26
Conductivity	NA	NA	0 72	NA	0 76	NA	0 66	NA	0 66	NA	0 78	NA	0 79	NA	1 05	NA	0 67	NA	0 79
Dissolved Oxygen	NA	NA	0 64	NA	0 29	NA	1 01	NA	1 27	NA	2 11	NA	0 80	NA	1 52	NA	1 37	NA	2 20
ORP	NA	NA	-68 3	NA	117 2	NA	-159 8	NA	316 1	NA	41 5	NA	22 3	NA	16 3	NA	25 0	NA	35 5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-10	Date	5/29/2013		7/31/2013		10/23/2013		3/6/2014		5/30/2014		8/28/2014		10/30/2014		2/23/2015		5/14/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0012	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	0 0011
Barium	2 0	0 0025	0 30	0 0025	0 18	0 0025	0 23	0 0025	0 31	0 0025	0 25	0 0025	0 28	0 0025	0 13	0 0025	0 17	0 0025	0 23
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 98	0 050	1 9	0 050	0 61	0 050	2 1	0 25	3 2	0 050	1 9	0 050	0 84	0 050	0 83	0 050	0 64
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	2 0	41	2 0	40	2 0	54	2 0	40	2 0	37	2 0	57	2 0	62	2 0	22	2 0	52
Chromium	0 1	0 0050	0 0061	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	0 012	0 0010	0 0019	0 0010	0 0025	0 0010	0 0037	0 0010	0 0012	0 0010	0 0034	0 0010	0 0015	0 0010	0 0019	0 0010	0 0019
Copper	0 65	0 0020	0 028	0 0020	ND	0 0020	ND	0 0020	0 0020^	0 0020	ND	0 0020	ND ^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	0 024	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 18	0 10	0 18	0 10	0 17	0 10	0 20	0 10	0 18	0 10	0 20	0 10	0 18	0 10	0 17	0 10	0 21
Iron	5 0	0 10	2 7	0 10	ND	0 10	0 18	0 10	0 19	0 10	0 11	0 10	0 34	0 10	ND	0 10	0 22	0 10	0 34
Lead	0 0075	0 00050	0 012	0 00050	ND	0 00050	ND	0 00050	0 00080	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	3 2	0 0025	1 5	0 0025	2 0	0 0025	3 1	0 0025	1 6	0 0025	2 1	0 0025	1 1	0 0025	1 3	0 0025	1 7
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	0 023	0 0020	0 0037	0 0020	0 0051	0 0020	0 0073	0 0020	0 0038	0 0020	0 0046	0 0020	0 0028	0 0020	0 0045	0 0020	0 0049
Nitrogen/Nitrate	10 0	0 10	1 9	0 10	1 5	0 10	1 2	0 10	2 0	0 10	2 1	0 10	0 41	0 10	0 67	0 10	0 90	0 10	1 2
Nitrogen/Nitrate, Nitrite	NA	0 20	1 9	0 10	1 6	0 10	1 2	0 50	2 0	0 50	2 1	0 10	0 43	0 10	0 71	0 10	0 94	0 10	1 2
Nitrogen/Nitrite	NA	0 020	ND	0 020	0 056	0 020	0 034	0 020	ND	0 020	0 028	0 020	0 022	0 020	0 039	0 020	0 038	0 020	0 032
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	0 0043	0 0025	0 0087	0 0025	0 0080	0 0025	ND	0 0025	0 0073	0 0025	0 0057	0 0025	0 0048	0 0025	0 0028	0 0025	0 0050
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	25	92	25	150	25	90	50	160	50	140	25	110	25	95	10	46	10	50
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	580	10	550	10	620	10	670	10	630	10	590	10	550	10	530	10	530
Vanadium	0 049	0 0050	0 012	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 00055
pH	6 5 - 9 0	NA	6 87	NA	6 85	NA	7 02	NA	7 90	NA	7 09	NA	6 74	NA	7 16	NA	7 36	NA	7 13
Temperature	NA	NA	14 99	NA	13 28	NA	11 61	NA	10 63	NA	18 61 *	NA	15 79	NA	11 11	NA	5 22	NA	13 91
Conductivity	NA	NA	0 69	NA	0 71	NA	0 70	NA	0 63	NA	0 93	NA	0 83	NA	1 04	NA	0 56	NA	0 70
Dissolved Oxygen	NA	NA	0 39	NA	0 19	NA	0 50	NA	1 00	NA	3 29	NA	0 77	NA	0 64	NA	3 45	NA	0 88
ORP	NA	NA	63 9	NA	20 8	NA	-138 7	NA	-65 7	NA	-39 0	NA	-0 5	NA	-86 1	NA	20 3	NA	-4 0

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-11	Date	5/30/2013		7/30/2013		10/22/2013		3/4/2014		5/29/2014		8/26/2014		10/28/2014		2/24/2015		5/12/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 028	0 0010	0 038	0 0010	0 038	0 0010	0 057	0 0010	0 036	0 0010	0 068	0 0010	0 045	0 0010	0 022	0 0010	0 052
Barium	2 0	0 0025	0 15	0 0025	0 19	0 0025	0 18	0 0025	0 22	0 0025	0 16	0 0025	0 21	0 0025	0 19	0 0025	0 16	0 0025	0 16
Beryllium	0 004	0 0010	ND^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	1 3	0 050	1 5	0 050	1 2	0 050	1 1	0 25	1 4	0 050	0 97	0 050	0 89	0 050	1 7	0 050	1 3
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	79	10	110	10	79	2 0	67	2 0	70	10	120	10	91	2 0	66	2 0	65
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	0 0020	0 0010	0 0023	0 0010	0 0025	0 0010	ND	0 0010	0 0017	0 0010	0 0017	0 0010	0 0017	0 0010	0 0023	0 0010	0 0017
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 79	0 10	0 80	0 10	0 75	0 10	0 64	0 10	0 64	0 10	0 71	0 10	0 71	0 10	0 66	0 10	0 79
Iron	5 0	0 10	3 1	0 10	3 9	0 10	3 3	0 10	5 8	0 10	3 8	0 10	5 5	0 10	5 0	0 10	2 0	0 10	4 2
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 025	7 5	0 0025	8 0	0 0025	7 3	0 013	7 9	0 013	8 0	0 013	8 4	0 013	6 6	0 025	5 5	0 050	7 8
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	0 0026	0 0020	0 0033	0 0020	0 0036	0 0020	0 0024	0 0020	ND	0 0020	ND	0 0020	0 0023	0 0020	0 0042	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	1 1	0 10	ND	0 10	0 18	0 10	0 34	0 10	0 27	0 10	ND	0 10	ND	0 10	ND	0 10	0 52
Nitrogen/Nitrate, Nitrite	NA	0 10	1 1	0 10	ND	0 10	0 18	0 10	0 34	0 10	0 27	0 10	ND	0 10	ND^	0 10	ND	0 10	0 52
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	50	240	50	280	50	180	50	210	50	170	50	200	50	200	25	120	20	130
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	850	10	980	10	770	10	760	10	660	10	860	10	790	10	700	10	710
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	6 99	NA	7 08	NA	7 23	NA	8 00	NA	7 10	NA	7 12	NA	7 37	NA	7 55	NA	7 33
Temperature	NA	NA	17 00	NA	16 66	NA	13 33	NA	9 77	NA	19 35	NA	22 73	NA	16 12	NA	10 59	NA	16 31
Conductivity	NA	NA	1 19	NA	1 22	NA	1 10	NA	0 92	NA	1 19	NA	1 38	NA	1 34	NA	0 91	NA	1 17
Dissolved Oxygen	NA	NA	0 28	NA	0 20	NA	0 76	NA	2 38	NA	0 32	NA	0 98	NA	0 71	NA	2 74	NA	1 62
ORP	NA	NA	-147 5	NA	-144 2	NA	-141 3	NA	-108 3	NA	-126 2	NA	-138 8	NA	-126 3	NA	-110 5	NA	-146 8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature °C degrees Celcius
Conductivity ms/cm milliSiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-12	Date	5/30/2013		7/29/2013		10/22/2013		3/4/2014		5/29/2014		8/26/2014		10/28/2014		2/24/2015		5/12/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0031	0 0010	0 016	0 0010	0 018	0 0010	0 0025	0 0010	0 0017	0 0010	0 0021	0 0010	0 0019	0 0010	ND	0 0010	0 0034
Barium	2 0	0 0025	0 091	0 0025	0 092	0 0025	0 087	0 0025	0 086	0 0025	0 073	0 0025	0 066	0 0025	0 063	0 0025	0 070	0 0025	0 071
Beryllium	0 004	0 0010	ND^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	3 7	0 050	1 1	0 050	1 1	0 050	0 41	0 050	0 69	0 050	0 73	0 050	0 59	0 050	0 58	0 050	0 59
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	200	10	190	10	180	10	220	10	220	10	210	10	200	10	210	10	230
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 62	0 10	0 56	0 10	0 51	0 10	0 56	0 10	0 42	0 10	0 54	0 10	0 54	0 10	0 58	0 10	0 52
Iron	5 0	0 10	8 9	0 10	4 5	0 10	0 23	0 10	2 4	0 10	0 39	0 10	0 17	0 10	0 33	0 10	1 7	0 10	0 48
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	0 24	0 0025	1 3	0 0025	1 5	0 0025	0 23	0 0025	0 65	0 0025	1 2	0 0025	1 2	0 0025	0 17	0 0025	0 63
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	0 0029	0 0020	0 0028	0 0020	0 0020	0 0020	0 0026	0 0020	0 0033	0 0020	0 0031	0 0020	0 0031	0 0020	0 0022
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND^	0 10	ND	0 10	ND
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	0 048	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	100	410	100	420	100	270	100	530	100	560	100	310	100	420	100	450	100	530
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	1200	10	1200	10	1000	10	1400	10	1300 H	10	1100	10	1000	10	1300	10	1400
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 17	NA	7 29	NA	7 73	NA	7 99	NA	7 14	NA	7 37	NA	7 33	NA	7 61	NA	7 49
Temperature	NA	NA	21 42	NA	17 93	NA	14 78	NA	11 22	NA	19 48	NA	22 71	NA	16 37	NA	6 11	NA	18 19
Conductivity	NA	NA	1 63	NA	1 47	NA	1 20	NA	1 30	NA	1 73	NA	1 69	NA	1 55	NA	1 24	NA	1 76
Dissolved Oxygen	NA	NA	1 04	NA	0 25	NA	0 20	NA	1 43	NA	1 59	NA	0 36	NA	0 36	NA	1 29	NA	1 87
ORP	NA	NA	-146 5	NA	-85 9	NA	-205 6	NA	-91 9	NA	-23 6	NA	-49 2	NA	6 0	NA	-80 6	NA	-55 7

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-13	Date	5/30/2013		7/30/2013		10/22/2013		3/4/2014		5/28/2014		8/27/2014		10/29/2014		2/26/2015		5/13/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 031	0 0010	0 029	0 0010	0 024	0 0010	0 028	0 0010	0 024	0 0010	0 031	0 0010	0 028	0 0010	0 028	0 0010	0 033
Barium	2 0	0 0025	0 23	0 0025	0 23	0 0025	0 16	0 0025	0 21	0 0025	0 22	0 0025	0 21	0 0025	0 24	0 0025	0 24	0 0025	0 27
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	1 6	0 050	3 8	0 050	3 5	0 050	2 9	0 25	3 5	0 050	3 0	0 050	2 2	0 25	3 5	0 50	3 8
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	190	10	190	10	180	10	190	10	180	10	190	10	180	10	180	10	180
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 010	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 39	0 10	0 39	0 10	0 39	0 10	0 36	0 10	0 35	0 10	0 40	0 10	0 40	0 10	0 37	0 10	0 39
Iron	5 0	0 10	1 3	0 10	1 6	0 10	0 29	0 10	1 8	0 10	0 74	0 10	0 63	0 10	0 98	0 10	0 69	0 10	0 92
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	3 8	0 0025	4 0	0 0025	2 8	0 0025	2 9	0 0025	3 4	0 0025	3 5	0 0025	3 8	0 0025	3 8	0 0025	3 9
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	0 0027	0 0020	0 0024	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	0 0020	0 0020	0 0040	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	0 010	0 0025	0 0095	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0047	0 0025	0 0045	0 0025	ND	0 0025	0 012
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	250	880	250	1000	250	690	250	660	250	630	250	740	250	1400	250	1000	250	1100
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	2000	10	2000	10	1700	10	1900	10	2100	10	2300	10	2200	10	2300	10	2600
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 65	NA	7 61	NA	7 81	NA	8 67	NA	7 73	NA	7 82	NA	7 72	NA	8 20	NA	7 99
Temperature	NA	NA	18 10	NA	16 26	NA	12 38	NA	12 91	NA	23 09	NA	20 49	NA	13 90	NA	9 51	NA	16 67
Conductivity	NA	NA	2 12	NA	2 13	NA	1 83	NA	1 72	NA	2 63	NA	2 50	NA	3 41	NA	2 11	NA	2 78
Dissolved Oxygen	NA	NA	1 16	NA	0 27	NA	0 94	NA	0 99	NA	0 93	NA	0 34	NA	0 84	NA	1 60	NA	1 10
ORP	NA	NA	-177 9	NA	-171 2	NA	-189 1	NA	-190 9	NA	-44 7	NA	-128 5	NA	-140 4	NA	-161 4	NA	-175 5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm	milliseimens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-14	Date	5/30/2013		7/30/2013		10/23/2013		3/4/2014		5/28/2014		8/28/2014		10/29/2014		2/26/2015		5/13/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0023	0 0010	0 0016	0 0010	ND	0 0010	0 0016	0 0010	0 0011	0 0010	0 0052	0 0010	0 0063	0 0010	0 0011	0 0010	0 0017
Barium	2 0	0 0025	0 053	0 0025	0 042	0 0025	0 050	0 0025	0 044	0 0025	0 033	0 0025	0 057	0 0025	0 045	0 0025	0 050	0 0025	0 042
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	1 7	0 050	1 7	0 050	2 0	0 050	1 6	0 25	1 8	0 050	1 9	0 50	2 2	0 25	2 2	0 25	1 7
Cadmium	0 005	0 00050	0 00060	0 00050	0 00086	0 00050	0 00062	0 00050	0 00053	0 00050	ND	0 00050	0 00052	0 00050	ND	0 00050	ND	0 00050	0 00056
Chloride	200 0	10	160	10	190	10	190	10	220	10	140	10	190	10	180	10	180	10	180
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 010	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND ^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	1 1	0 10	1 1	0 10	0 95	0 10	0 96	0 10	0 95	0 10	0 91	0 10	0 94	0 10	0 76	0 10	0 98
Iron	5 0	0 10	ND	0 10	ND	0 10	0 39	0 10	1 2	0 10	0 60	0 10	4 6	0 10	5 3	0 10	0 17	0 10	ND
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 00078	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	0 72	0 0025	0 32	0 0025	1 2	0 0025	1 3	0 0025	0 34	0 0025	1 8	0 0025	1 3	0 0025	0 15	0 0025	0 073
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	0 0027	0 0020	0 0073	0 0020	0 0042	0 0020	0 0032	0 0020	0 0031	0 0020	0 0033	0 0020	0 0030	0 0020	0 0045	0 0020	0 0036
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	0 16	0 10	ND	0 10	0 22	0 10	ND	0 10	ND	0 10	0 24	0 10	2 4
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	0 18	0 10	ND	0 10	0 22	0 10	ND	0 10	ND	0 10	0 24	0 20	2 4
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	0 022	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 020	0 0025	0 014	0 0025	ND	0 0025	ND	0 0025	0 023	0 0025	0 042
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	250	800	250	900	250	840	100	680	100	720	250	1100	250	1300	250	850	250	1200
Thallium	0 002	0 0020	0 0025	0 0020	0 0043	0 0020	0 0022	0 0020	0 0023	0 0020	0 0026	0 0020	0 0023	0 0020	ND	0 0020	ND	0 0020	0 0044
Total Dissolved Solids	1,200	10	2000	10	2100	10	2100	10	1900	10	1700	10	2400	10	2200	10	2200	13	2700
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 03	NA	6 93	NA	7 11	NA	7 72	NA	6 99	NA	7 17	NA	7 31	NA	7 28	NA	7 04
Temperature	NA	NA	17 22	NA	16 52	NA	13 59	NA	12 83	NA	17 53	NA	20 10	NA	14 66	NA	6 67	NA	16 35
Conductivity	NA	NA	1 98	NA	2 17	NA	2 10	NA	1 74	NA	2 00	NA	2 83	NA	3 49	NA	1 89	NA	2 98
Dissolved Oxygen	NA	NA	0 72	NA	0 31	NA	0 51	NA	1 55	NA	0 42	NA	0 37	NA	0 66	NA	4 11	NA	1 03
ORP	NA	NA	5 9	NA	2 8	NA	-146 8	NA	-77 3	NA	-26 4	NA	-41 2	NA	-105 4	NA	52 4	NA	9 8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm^4	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-15	Date	5/30/2013		7/30/2013		10/23/2013		3/6/2014		5/28/2014		8/27/2014		10/28/2014		2/26/2015		5/14/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	0 0037	0 0010	0 0046	0 0010	0 0066	0 0010	0 0072	0 0010	0 0019	0 0010	0 0029	0 0010	0 0059	0 0010	0 0017	0 0010	0 0024
Barium	2 0	0 0025	0 11	0 0025	0 080	0 0025	0 12	0 0025	0 098	0 0025	0 068	0 0025	0 14	0 0025	0 14	0 0025	0 10	0 0025	0 12
Beryllium	0 004	0 0010	ND^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	1 5	0 050	1 6	0 050	1 2	0 050	1 1	0 25	1 2	0 050	0 95	0 050	0 74	0 25	1 1	0 25	1 4
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	10	210	10	220	10	210	10	240	10	220	10	240	10	230	10	240	10	230
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	0 65	0 10	0 78	0 10	0 71	0 10	0 78	0 10	0 65	0 10	0 67	0 10	0 71	0 10	0 64	0 10	0 47
Iron	5 0	0 10	0 83	0 10	1 3	0 10	1 1	0 10	2 0	0 10	0 37	0 10	0 78	0 10	2 1	0 10	0 28	0 10	0 44
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	0 27	0 0025	0 30	0 0025	0 43	0 0025	0 59	0 0025	0 30	0 0025	0 95	0 0025	0 87	0 0025	0 40	0 0025	0 42
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	0 0072	0 0020	0 0063	0 0020	0 0052	0 0020	0 0034	0 0020	0 0047	0 0020	0 0038	0 0020	0 0037	0 0020	0 0090	0 0020	0 010
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	0 22	0 10	ND	0 10	0 40	0 10	ND	0 10	ND	0 10	0 18	0 10	0 10
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	0 22	0 10	ND	0 10	0 40	0 10	ND	0 10	ND^	0 10	0 18	0 10	0 10
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	0 046	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	0 0065	0 0025	ND	0 0025	0 013	0 0025	ND	0 0025	0 033	0 0025	ND	0 0025	0 0030	0 0025	0 068	0 0025	0 051
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	250	570	100	460	100	420	100	260	100	390	130	620	100	660	100	460	250	930
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	1700	10	1400	10	1400	10	1300	10	1300	10	1800	10	1600	10	1400	10	2500
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	6 71	NA	6 93	NA	7 18	NA	7 75	NA	6 89	NA	7 45	NA	7 36	NA	7 53	NA	7 05
Temperature	NA	NA	18 64	NA	16 91	NA	15 59	NA	14 71	NA	20 04	NA	26 66	NA	17 05	NA	7 93	NA	15 57
Conductivity	NA	NA	1 97	NA	1 62	NA	1 58	NA	1 29	NA	1 80	NA	2 32	NA	2 26	NA	1 41	NA	2 67
Dissolved Oxygen	NA	NA	0 40	NA	0 16	NA	0 28	NA	1 15	NA	0 65	NA	0 57	NA	0 45	NA	1 36	NA	0 83
ORP	NA	NA	-9 3	NA	-48 3	NA	-180 6	NA	-141 6	NA	-8 6	NA	-30 9	NA	-84 6	NA	-34 4	NA	-25 7

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-16	Date	5/29/2013		7/29/2013		10/22/2013		3/3/2014		5/30/2014		8/26/2014		10/30/2014		2/24/2015		5/12/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 006	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 010	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Barium	2 0	0 0025	0 038	0 0025	0 035	0 0025	0 037	0 0025	0 060	0 0025	0 036	0 0025	0 035	0 0025	0 034	0 0025	0 038	0 0025	0 037
Beryllium	0 004	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	2 0	0 050	0 20	0 050	0 26	0 050	0 35	0 050	0 17	0 050	0 17	0 050	0 15	0 050	0 14	0 050	0 17	0 050	0 15
Cadmium	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	200 0	2 0	19	2 0	21	2 0	35	10	230	2 0	20	2 0	25	2 0	24	2 0	24	2 0	29
Chromium	0 1	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	1 0	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 65	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND^	0 0020	ND	0 0020	ND ^	0 0020	ND	0 0020	ND	0 0020	ND
Cyanide	0 2	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	4 0	0 10	ND	0 10	0 11	0 10	0 11	0 10	ND	0 10	0 11	0 10	0 11	0 10	0 10	0 10	0 10	0 10	0 11
Iron	5 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND
Lead	0 0075	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Manganese	0 15	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0035	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0025	0 0025	ND
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Nitrogen/Nitrate	10 0	0 10	20	0 10	13	0 10	19	0 10	16	0 10	21	0 10	22	0 10	28	0 10	28	0 10	24
Nitrogen/Nitrate, Nitrite	NA	2 5	20	2 5	13	1 0	19	2 0	16	2 5	21	2 0	22	2 5	28	2 0	28	2 0	24
Nitrogen/Nitrite	NA	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
Silver	0 05	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	400 0	20	50	20	55	20	55	10	34	10	40	10	35	10	54	10	27	10	33
Thallium	0 002	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND
Total Dissolved Solids	1,200	10	460	10	440	10	540	10	800	10	390	10	440	10	510	10	490	10	530
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND^	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Zinc	5 0	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 005	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 10	NA	7 18	NA	7 27	NA	7 85	NA	7 20	NA	7 41	NA	7 30	NA	7 56	NA	7 35
Temperature	NA	NA	15 29	NA	16 61	NA	12 74	NA	9 98	NA	17 83 *	NA	22 10	NA	13 09	NA	8 21	NA	12 56
Conductivity	NA	NA	0 60	NA	0 59	NA	0 63	NA	0 89	NA	0 88	NA	0 75	NA	0 94	NA	0 57	NA	0 67
Dissolved Oxygen	NA	NA	6 78	NA	4 91	NA	6 24	NA	6 50	NA	6 99	NA	6 84	NA	2 05	NA	8 44	NA	7 97
ORP	NA	NA	70 2	NA	24 7	NA	-83 4	NA	315 3	NA	74 8	NA	36 7	NA	-2 7	NA	95 6	NA	105 0

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 3. East Yard Run-off Basin Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Date	5/13/2013		7/29/2013		10/22/2013		3/4/2014		5/28/2014		8/26/2014		10/28/2014		2/24/2015		5/12/2015	
Parameter	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND	0 0030	ND
Arsenic	0 0010	0 0030	0 0010	0 0066	0 0010	0 0036	0 0010	0 0037	0 0010	0 0042	0 0010	0 0081	0 0010	0 0051	0 0010	0 0033	0 0010	0 0030
Barium	0 0025	0 16	0 0025	0 33	0 0025	0 098	0 0025	0 16	0 0025	0 085	0 0025	0 085	0 0025	0 12	0 0025	0 13	0 0025	0 13
Beryllium	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Boron	0 050	0 35 ^	0 050	0 43	0 050	0 38	0 050	0 31	0 050	0 37	0 050	0 32	0 050	0 32	0 050	0 29	0 050	0 40
Cadmium	0 00050	ND	0 00050	0 0014	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Chloride	10	130	10	150	10	170	10	230	10	210	10	190	10	180	10	180	10	180
Chromium	0 0050	ND	0 0050	0 021	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	ND
Cobalt	0 0010	ND	0 0010	0 0023	0 0010	ND	0 0010	ND	0 0010	ND ^	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND
Copper	0 0020	0 0057	0 0020	0 022	0 0020	0 0032	0 0020	0 0036	0 0020	0 0027	0 0020	0 0038	0 0020	0 0026	0 0020	0 0026	0 0020	0 0039
Cyanide	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND	0 010	ND
Fluoride	0 10	0 42	0 10	0 47	0 10	0 45	0 10	0 46	0 10	0 50	0 10	0 37	0 10	0 49	0 10	0 46	0 10	0 67
Iron	0 10	0 62	0 10	6 6	0 10	2 6	0 10	0 62	0 10	ND ^	0 10	1 1	0 10	0 20	0 10	0 17	0 10	0 13
Lead	0 00050	0 0044	0 00050	0 024	0 00050	ND	0 00050	0 0024	0 00050	ND	0 00050	0 00075	0 00050	0 0058 B	0 00050	0 00071	0 00050	0 00083
Manganese	0 0025	0 060	0 0025	0 14	0 0025	0 021	0 0025	0 025	0 0025	0 018	0 0025	0 016	0 0025	0 021	0 0025	0 0083	0 0025	0 020
Mercury	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND
Nickel	0 0020	0 0029	0 0020	0 010	0 0020	0 0027	0 0020	0 0026	0 0020	0 0026	0 0020	0 0022	0 0020	0 0022	0 0020	0 0023	0 0020	0 0040
Nitrogen/Nitrate	0 10	ND	0 10	0 14	0 10	ND	0 10	0 98	0 10	ND	0 10	ND	0 10	ND	0 10	0 97	0 10	ND
Nitrogen/Nitrate, Nitrite	0 10	ND ^	0 10	0 14	0 10	0 12	0 10	1 0	0 10	ND	0 10	0 67	0 10	ND	0 10	0 97	0 10	ND
Nitrogen/Nitrite	0 020	ND	0 020	ND	0 020	0 024	0 020	0 021	0 020	ND	0 50	1 2	0 020	ND	0 020	ND	0 020	ND
Perchlorate	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND
Selenium	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0039
Silver	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
Sulfate	50	160	50	240	50	240	50	170	50	240	50	230	50	310	50	190	100	400
Thallium	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	0 0048
Total Dissolved Solids	10	590	10	630	10	750	10	900	10	860	10	630	10	850	10	810	10	910
Vanadium	0 0050	0 0071	0 0050	0 043	0 0050	0 0066	0 0050	0 0072	0 0050	0 0091	0 0050	0 0086	0 0050	0 0075	0 0050	0 0099	0 0050	0 0062
Zinc	0 020	0 042	0 020	0 27	0 020	ND	0 020	0 028	0 020	ND	0 020	ND	0 020	ND	0 020	ND	0 020	ND
Benzene	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND
BETX	0 00250	ND	0 00250	ND	0 00250	ND	0 00250	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND

Notes: All values are in mg/L (ppm) unless otherwise noted
DL - Detection limit
B - Compound detected in blank
^ - Denotes instrument related QC exceeds the control limits

NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled

MWG13-15_49867

ATTACHMENT 1
Analytical Data Package(s)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-95808-1
Client Project/Site: Powerton Station Ash Ponds

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 2B
Brookfield, Wisconsin 53005

Attn: Richard Gnat

Authorized for release by:
5/28/2015 5:07:31 PM

Bonnie Stadelmann, Senior Project Manager
(708)534-5200
bonnie.stadelmann@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 500-95808-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-95808-1

Comments
No additional comments.

Receipt
The samples were received on 5/12/2015 10:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 10 coolers at receipt time were 0.8° C, 2.3° C, 2.4° C, 2.4° C, 2.7° C, 2.8° C, 3.1° C, 3.2° C, 3.4° C and 3.7° C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method(s) 6020, 6020A: The internal standard (Tb) was used to report Pb and Tl for job MW-01 (500-95808-1) in batch 288535.

Method(s) 6020A: The low level calibration verification (CCVL) at line 121 in AD batch 288542 was outside the upper control limit for boron. The CCVl bracketed the (MB 500-288223/1-A) only and it was within control limits for all elements. The boron was reported.

Method(s) 6020A: The internal standard (Y) was used to report Cr. The internal standard (Rh) was used to report Fe and Ni for job MW-08 (500-95808-4) in batch 289108.

Method(s) 6020A: The following sample(s) was diluted due to the nature of the sample matrix: 500-95808-3, 6, 14, 15. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method(s) 314.0: The low level check (MRL at 4ppb) associated with batch 75111 was above the upper control limit -- indicating a high bias. However, all samples associated with this QC check were non-detect. Additionally, all other quality control checks were in control. Data is being reported.

MW-01 (500-95808-1), MW-06 (500-95808-2), MW-07 (500-95808-3), MW-08 (500-95808-4), MW-09 (500-95808-5), MW-11 (500-95808-6), MW-12 (500-95808-7), MW-16 (500-95808-8), DUPLICATE (500-95808-9), MW-02 (500-95808-10), MW-03 (500-95808-11), MW-04 (500-95808-12), MW-05 (500-95808-13), MW-13 (500-95808-14), MW-14 (500-95808-15), MW-10 (500-95808-16), MW-15 (500-95808-17), (CCB 320-75111/10), (CCB 320-75111/23), (CCB 320-75111/34), (CCB 320-75111/42), (CCV 320-75111/22), (CCV 320-75111/33), (CCV 320-75111/41), (CCV 320-75111/9), (ICB 320-75111/2), (ICV 320-75111/1), (INF 320-75111/3), (LCS 320-75111/13), (MB 320-75111/12), (MRL 320-75111/5), (500-95874-B-1), (500-95874-B-1 MS) and (500-95874-B-1 MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-01 — Lab Sample ID: 500-95808-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.038		0.0025		mg/L	1		6020A	Dissolved
Boron	0.087		0.050		mg/L	1		6020A	Dissolved
Sulfate	50		10		mg/L	2		9038	Dissolved
Chloride	67		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	2.6		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	450		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.23		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	2.6		0.20		mg/L	2		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-06 — Lab Sample ID: 500-95808-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.094		0.0025		mg/L	1		6020A	Dissolved
Boron	0.35		0.050		mg/L	1		6020A	Dissolved
Iron	0.29		0.10		mg/L	1		6020A	Dissolved
Manganese	0.90		0.0025		mg/L	1		6020A	Dissolved
Sulfate	350		100		mg/L	20		9038	Dissolved
Chloride	230		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.52		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-07 — Lab Sample ID: 500-95808-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.18		0.0010		mg/L	1		6020A	Dissolved
Barium	0.50		0.0025		mg/L	1		6020A	Dissolved
Boron	0.34		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0070		0.0010		mg/L	1		6020A	Dissolved
Iron	9.5		0.10		mg/L	1		6020A	Dissolved
Manganese	5.9		0.050		mg/L	20		6020A	Dissolved
Nickel	0.0077		0.0020		mg/L	1		6020A	Dissolved
Sulfate	55		10		mg/L	2		9038	Dissolved
Chloride	170		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.42		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-08 — Lab Sample ID: 500-95808-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0024		0.0010		mg/L	1		6020A	Dissolved
Barium	0.10		0.0025		mg/L	1		6020A	Dissolved
Boron	0.74		0.050		mg/L	1		6020A	Dissolved
Iron	0.12		0.10		mg/L	1		6020A	Dissolved
Manganese	0.11		0.0025		mg/L	1		6020A	Dissolved
Sulfate	160		50		mg/L	10		9038	Dissolved
Chloride	270		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.66		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-09 — Lab Sample ID: 500-95808-5

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-09 (Continued)

Lab Sample ID: 500-95808-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.026		0.0025		mg/L	1		6020A	Dissolved
Boron	3.2		0.050		mg/L	1		6020A	Dissolved
Manganese	0.086		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.014		0.0025		mg/L	1		6020A	Dissolved
Sulfate	140		50		mg/L	10		9038	Dissolved
Chloride	37		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	9.3		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	620		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.16		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	9.3		1.0		mg/L	10		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-11

Lab Sample ID: 500-95808-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.052		0.0010		mg/L	1		6020A	Dissolved
Barium	0.16		0.0025		mg/L	1		6020A	Dissolved
Boron	1.3		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0017		0.0010		mg/L	1		6020A	Dissolved
Iron	4.2		0.10		mg/L	1		6020A	Dissolved
Manganese	7.8		0.050		mg/L	20		6020A	Dissolved
Sulfate	130		20		mg/L	4		9038	Dissolved
Chloride	65		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	0.52		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	710		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.79		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.52		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-12

Lab Sample ID: 500-95808-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0034		0.0010		mg/L	1		6020A	Dissolved
Barium	0.071		0.0025		mg/L	1		6020A	Dissolved
Boron	0.59		0.050		mg/L	1		6020A	Dissolved
Iron	0.48		0.10		mg/L	1		6020A	Dissolved
Manganese	0.63		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0022		0.0020		mg/L	1		6020A	Dissolved
Sulfate	530		100		mg/L	20		9038	Dissolved
Chloride	230		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1400		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.52		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-16

Lab Sample ID: 500-95808-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.037		0.0025		mg/L	1		6020A	Dissolved
Boron	0.15		0.050		mg/L	1		6020A	Dissolved
Sulfate	33		10		mg/L	2		9038	Dissolved
Chloride	29		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	24		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	530		10		mg/L	1		SM 2540C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16 (Continued) — Lab Sample ID: 500-95808-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.11		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	24		2.0		mg/L	20		SM 4500 NO3 F	Dissolved

Client Sample ID: DUPLICATE — Lab Sample ID: 500-95808-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.037		0.0025		mg/L	1		6020A	Dissolved
Boron	0.15		0.050		mg/L	1		6020A	Dissolved
Sulfate	36		10		mg/L	2		9038	Dissolved
Chloride	28		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	23		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	450		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.11		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	23		2.0		mg/L	20		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-02 — Lab Sample ID: 500-95808-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0016		0.0010		mg/L	1		6020A	Dissolved
Barium	0.055		0.0025		mg/L	1		6020A	Dissolved
Boron	0.11		0.050		mg/L	1		6020A	Dissolved
Sulfate	41		10		mg/L	2		9038	Dissolved
Chloride	92		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	1.2		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	490		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.22		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	1.2		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-03 — Lab Sample ID: 500-95808-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0010		0.0010		mg/L	1		6020A	Dissolved
Barium	0.045		0.0025		mg/L	1		6020A	Dissolved
Boron	0.086		0.050		mg/L	1		6020A	Dissolved
Selenium	0.0046		0.0025		mg/L	1		6020A	Dissolved
Sulfate	39		10		mg/L	2		9038	Dissolved
Chloride	48		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	2.7		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	380		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.22		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	2.7		0.20		mg/L	2		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-04 — Lab Sample ID: 500-95808-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.025		0.0025		mg/L	1		6020A	Dissolved
Boron	0.80		0.050		mg/L	1		6020A	Dissolved
Sulfate	120		20		mg/L	4		9038	Dissolved
Chloride	65		2.0		mg/L	1		9251	Dissolved
Total Dissolved Solids	540		10		mg/L	1		SM 2540C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-04 (Continued)

Lab Sample ID: 500-95808-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.26		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-05

Lab Sample ID: 500-95808-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.055		0.0025		mg/L	1		6020A	Dissolved
Boron	0.72		0.050		mg/L	1		6020A	Dissolved
Manganese	0.0078		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0023		0.0020		mg/L	1		6020A	Dissolved
Sulfate	150		50		mg/L	10		9038	Dissolved
Chloride	120		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	730		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.37		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-13

Lab Sample ID: 500-95808-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.033		0.0010		mg/L	1		6020A	Dissolved
Barium	0.27		0.0025		mg/L	1		6020A	Dissolved
Boron	3.8		0.50		mg/L	10		6020A	Dissolved
Iron	0.92		0.10		mg/L	1		6020A	Dissolved
Manganese	3.9		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.012		0.0025		mg/L	1		6020A	Dissolved
Sulfate	1100		250		mg/L	50		9038	Dissolved
Chloride	180		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	2600		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.39		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-14

Lab Sample ID: 500-95808-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0017		0.0010		mg/L	1		6020A	Dissolved
Barium	0.042		0.0025		mg/L	1		6020A	Dissolved
Boron	1.7		0.25		mg/L	5		6020A	Dissolved
Cadmium	0.00056		0.00050		mg/L	1		6020A	Dissolved
Manganese	0.073		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0036		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.042		0.0025		mg/L	1		6020A	Dissolved
Thallium	0.0044		0.0020		mg/L	1		6020A	Dissolved
Sulfate	1200		250		mg/L	50		9038	Dissolved
Chloride	180		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	2.4		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	2700		13		mg/L	1		SM 2540C	Dissolved
Fluoride	0.98		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	2.4		0.20		mg/L	2		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-10

Lab Sample ID: 500-95808-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00055		0.00050		mg/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10 (Continued)

Lab Sample ID: 500-95808-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0011		0.0010		mg/L	1		6020A	Dissolved
Barium	0.23		0.0025		mg/L	1		6020A	Dissolved
Boron	0.64		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0019		0.0010		mg/L	1		6020A	Dissolved
Iron	0.34		0.10		mg/L	1		6020A	Dissolved
Manganese	1.7		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0049		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.0050		0.0025		mg/L	1		6020A	Dissolved
Sulfate	50		10		mg/L	2		9038	Dissolved
Chloride	52		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	1.2		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	530		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.21		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.032		0.020		mg/L	1		SM 4500 NO2 B	Dissolved
Nitrogen, Nitrate Nitrite	1.2		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-15

Lab Sample ID: 500-95808-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0024		0.0010		mg/L	1		6020A	Dissolved
Barium	0.12		0.0025		mg/L	1		6020A	Dissolved
Boron	1.4		0.25		mg/L	5		6020A	Dissolved
Iron	0.44		0.10		mg/L	1		6020A	Dissolved
Manganese	0.42		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.010		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.051		0.0025		mg/L	1		6020A	Dissolved
Sulfate	930		250		mg/L	50		9038	Dissolved
Chloride	230		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.10		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	2500		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.47		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.10		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-95808-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
314.0	Perchlorate (IC)	EPA	TAL SAC
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9038	Sulfate, Turbidimetric	SW846	TAL CHI
9251	Chloride	SW846	TAL CHI
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 NO2 B	Nitrogen, Nitrite	SM	TAL CHI
SM 4500 NO3 F	Nitrogen, Nitrate	SM	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater".

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-95808-1	MW-01	Water	05/11/15 17:00	05/12/15 10:05
500-95808-2	MW-06	Water	05/11/15 14:50	05/12/15 10:05
500-95808-3	MW-07	Water	05/11/15 15:45	05/12/15 10:05
500-95808-4	MW-08	Water	05/11/15 13:20	05/12/15 10:05
500-95808-5	MW-09	Water	05/12/15 12:10	05/13/15 09:40
500-95808-6	MW-11	Water	05/12/15 14:00	05/13/15 09:40
500-95808-7	MW-12	Water	05/12/15 15:50	05/13/15 09:40
500-95808-8	MW-16	Water	05/12/15 09:10	05/13/15 09:40
500-95808-9	DUPLICATE	Water	05/12/15 00:00	05/13/15 09:40
500-95808-10	MW-02	Water	05/13/15 09:20	05/14/15 09:40
500-95808-11	MW-03	Water	05/13/15 10:50	05/14/15 09:40
500-95808-12	MW-04	Water	05/13/15 12:40	05/14/15 09:40
500-95808-13	MW-05	Water	05/13/15 14:40	05/14/15 09:40
500-95808-14	MW-13	Water	05/13/15 16:10	05/14/15 09:40
500-95808-15	MW-14	Water	05/13/15 17:20	05/14/15 09:40
500-95808-16	MW-10	Water	05/14/15 12:18	05/15/15 07:30
500-95808-17	MW-15	Water	05/14/15 10:10	05/15/15 07:30
500-95808-18	Trip Blank	Water	05/11/15 00:00	05/15/15 07:30

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-01

Date Collected: 05/11/15 17:00
Date Received: 05/12/15 10:05

Lab Sample ID: 500-95808-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/15 23:42	1
Toluene	<0.00050		0.00050		mg/L			05/20/15 23:42	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/15 23:42	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/15 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*		*05/20/15 23:42*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/20/15 23:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*		*05/20/15 23:42*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/20/15 23:42*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 22:39	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 12:55	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 12:55	1
Barium	**0.038**		0.0025		mg/L		05/15/15 11:10	05/18/15 12:55	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:35	1
Boron	**0.087**		0.050		mg/L		05/15/15 11:10	05/18/15 13:35	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 12:55	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 12:55	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 12:55	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 12:55	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 12:55	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 12:55	1
Manganese	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:35	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 12:55	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 12:55	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 12:55	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 12:55	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 12:55	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 12:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:37	1
Sulfate	**50**		10		mg/L			05/19/15 07:46	2
Chloride	**67**		2.0		mg/L			05/17/15 18:00	1
Nitrogen, Nitrate	**2.6**		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**450**		10		mg/L			05/16/15 18:47	1
Fluoride	**0.23**		0.10		mg/L			05/19/15 11:39	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/15 16:31	1
Nitrogen, Nitrate Nitrite	**2.6**		0.20		mg/L			05/21/15 17:22	2

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-06

Date Collected: 05/11/15 14:50
Date Received: 05/12/15 10:05

Lab Sample ID: 500-95808-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 00:07	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 00:07	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 00:07	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*05/21/15 00:07*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/21/15 00:07*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*05/21/15 00:07*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/21/15 00:07*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 22:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:09	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:09	1
Barium	**0.094**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:09	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:58	1
Boron	**0.35**		0.050		mg/L		05/15/15 11:10	05/18/15 13:58	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:09	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:09	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:09	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:09	1
Iron	**0.29**		0.10		mg/L		05/15/15 11:10	05/18/15 13:09	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:09	1
Manganese	**0.90**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:58	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:09	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:09	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:09	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:09	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:09	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:09	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:38	1
Sulfate	**350**		100		mg/L			05/19/15 07:47	20
Chloride	**230**		10		mg/L			05/17/15 19:20	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**1300**		10		mg/L			05/16/15 18:50	1
Fluoride	**0.52**		0.10		mg/L			05/19/15 11:42	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/15 16:32	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:15	1

Client Sample ID: MW-07

Date Collected: 05/11/15 15:45
Date Received: 05/12/15 10:05

Lab Sample ID: 500-95808-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 00:32	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 00:32	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 00:32	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 125*		*05/21/15 00:32*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/21/15 00:32*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 120*		*05/21/15 00:32*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/21/15 00:32*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 23:10	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:11	1
Arsenic	**0.18**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:11	1
Barium	**0.50**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:11	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:03	1
Boron	**0.34**		0.050		mg/L		05/15/15 11:10	05/18/15 14:03	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:11	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:11	1
Cobalt	**0.0070**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:11	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:11	1
Iron	**9.5**		0.10		mg/L		05/15/15 11:10	05/18/15 13:11	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:11	1
Manganese	**5.9**		0.050		mg/L		05/15/15 11:10	05/21/15 12:56	20
Nickel	**0.0077**		0.0020		mg/L		05/15/15 11:10	05/18/15 13:11	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:11	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:11	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:11	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:11	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:38	1
Sulfate	**55**		10		mg/L			05/19/15 07:48	2
Chloride	**170**		10		mg/L			05/17/15 19:22	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**1100**		10		mg/L			05/16/15 18:52	1
Fluoride	**0.42**		0.10		mg/L			05/19/15 11:44	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/15 16:33	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:17	1

Client Sample ID: MW-08

Date Collected: 05/11/15 13:20
Date Received: 05/12/15 10:05

Lab Sample ID: 500-95808-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 00:57	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 00:57	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 00:57	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*05/21/15 00:57*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 00:57*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*		*05/21/15 00:57*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*05/21/15 00:57*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 23:25	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:14	1
Arsenic	**0.0024**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:14	1
Barium	**0.10**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:14	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:22	1
Boron	**0.74**		0.050		mg/L		05/15/15 11:10	05/18/15 14:22	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:14	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/21/15 12:59	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:22	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:14	1
Iron	**0.12**		0.10		mg/L		05/15/15 11:10	05/21/15 12:59	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:14	1
Manganese	**0.11**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:22	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/21/15 12:59	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:14	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:14	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:14	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 14:22	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:14	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:39	1
Sulfate	**160**		50		mg/L			05/19/15 07:49	10
Chloride	**270**		10		mg/L			05/17/15 19:22	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**1100**		10		mg/L			05/16/15 18:55	1
Fluoride	**0.66**		0.10		mg/L			05/19/15 11:47	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/15 16:33	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:20	1

Client Sample ID: MW-09

Date Collected: 05/12/15 12:10
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 01:22	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 01:22	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 01:22	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*		*05/21/15 01:22*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/21/15 01:22*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*05/21/15 01:22*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/21/15 01:22*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 23:41	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:25	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:25	1
Barium	**0.026**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:25	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:26	1
Boron	**3.2**		0.050		mg/L		05/15/15 11:10	05/18/15 14:26	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:25	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:25	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:25	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:25	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 13:25	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:25	1
Manganese	**0.086**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:26	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:25	1
Selenium	**0.014**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:25	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:25	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:25	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:25	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:25	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:39	1
Sulfate	**140**		50		mg/L			05/19/15 07:50	10
Chloride	**37**		2.0		mg/L			05/17/15 18:09	1
Nitrogen, Nitrate	**9.3**		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**620**		10		mg/L			05/16/15 18:57	1
Fluoride	**0.16**		0.10		mg/L			05/19/15 11:50	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:45	1
Nitrogen, Nitrate Nitrite	**9.3**		1.0		mg/L			05/21/15 17:52	10

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-11

Date Collected: 05/12/15 14:00
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 01:47	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 01:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 01:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*		*05/21/15 01:47*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 01:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/21/15 01:47*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*05/21/15 01:47*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 00:27	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:27	1
Arsenic	**0.052**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:27	1
Barium	**0.16**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:27	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:31	1
Boron	**1.3**		0.050		mg/L		05/15/15 11:10	05/18/15 14:31	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:27	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:27	1
Cobalt	**0.0017**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:27	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:27	1
Iron	**4.2**		0.10		mg/L		05/15/15 11:10	05/18/15 13:27	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:27	1
Manganese	**7.8**		0.050		mg/L		05/15/15 11:10	05/21/15 13:02	20
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:27	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:27	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:27	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:27	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:27	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:40	1
Sulfate	**130**		20		mg/L			05/20/15 07:42	4
Chloride	**65**		2.0		mg/L			05/17/15 18:10	1
Nitrogen, Nitrate	**0.52**		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**710**		10		mg/L			05/16/15 19:00	1
Fluoride	**0.79**		0.10		mg/L			05/19/15 12:02	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:46	1
Nitrogen, Nitrate Nitrite	**0.52**		0.10		mg/L			05/21/15 16:39	1

Client Sample ID: MW-12

Date Collected: 05/12/15 15:50
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 02:12	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 02:12	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 02:12	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*05/21/15 02:12*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/21/15 02:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*		*05/21/15 02:12*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/21/15 02:12*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 00:42	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:30	1
Arsenic	**0.0034**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:30	1
Barium	**0.071**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:30	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:36	1
Boron	**0.59**		0.050		mg/L		05/15/15 11:10	05/18/15 14:36	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:30	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 14:36	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:36	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:30	1
Iron	**0.48**		0.10		mg/L		05/15/15 11:10	05/21/15 13:04	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:30	1
Manganese	**0.63**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:36	1
Nickel	**0.0022**		0.0020		mg/L		05/15/15 11:10	05/21/15 13:04	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:30	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:30	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:30	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 14:36	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:30	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:42	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:41	1
Sulfate	**530**		100		mg/L			05/20/15 07:43	20
Chloride	**230**		10		mg/L			05/17/15 19:23	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**1400**		10		mg/L			05/16/15 19:02	1
Fluoride	**0.52**		0.10		mg/L			05/19/15 12:04	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:47	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:41	1

Client Sample ID: MW-16

Date Collected: 05/12/15 09:10
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 02:37	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 02:37	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 02:37	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*		*05/21/15 02:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 02:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*05/21/15 02:37*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/21/15 02:37*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 00:58	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:33	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:33	1
Barium	**0.037**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:33	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:40	1
Boron	**0.15**		0.050		mg/L		05/15/15 11:10	05/18/15 14:40	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:33	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:33	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:33	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:33	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 13:33	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:33	1
Manganese	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 14:40	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:33	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:33	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:33	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:33	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:33	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:41	1
Sulfate	**33**		10		mg/L			05/20/15 07:44	2
Chloride	**29**		2.0		mg/L			05/17/15 18:12	1
Nitrogen, Nitrate	**24**		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**530**		10		mg/L			05/16/15 19:05	1
Fluoride	**0.11**		0.10		mg/L			05/19/15 12:22	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:47	1
Nitrogen, Nitrate Nitrite	**24**		2.0		mg/L			05/21/15 17:53	20

Client Sample ID: DUPLICATE

Date Collected: 05/12/15 00:00
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 03:01	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 03:01	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 03:01	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*		*05/21/15 03:01*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/21/15 03:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*05/21/15 03:01*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/21/15 03:01*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 01:13	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:35	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:35	1
Barium	**0.037**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:35	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:45	1
Boron	**0.15**		0.050		mg/L		05/15/15 11:10	05/18/15 14:45	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:35	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:35	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:35	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:35	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 13:35	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:35	1
Manganese	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 14:45	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:35	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:35	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:35	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:35	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:35	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:35	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:52	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:42	1
Sulfate	**36**		10		mg/L			05/20/15 07:47	2
Chloride	**28**		2.0		mg/L			05/17/15 18:13	1
Nitrogen, Nitrate	**23**		0.10		mg/L			05/22/15 12:19	1
Total Dissolved Solids	**450**		10		mg/L			05/16/15 19:07	1
Fluoride	**0.11**		0.10		mg/L			05/19/15 12:30	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:47	1
Nitrogen, Nitrate Nitrite	**23**		2.0		mg/L			05/21/15 17:53	20

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-02

Date Collected: 05/13/15 09:20
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 03:26	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 03:26	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 03:26	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*		*05/21/15 03:26*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 03:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/21/15 03:26*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/21/15 03:26*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 01:29	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:38	1
Arsenic	**0.0016**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:38	1
Barium	**0.055**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:38	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:50	1
Boron	**0.11**		0.050		mg/L		05/15/15 11:10	05/18/15 14:50	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:38	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:38	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:38	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:38	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 13:38	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:38	1
Manganese	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 14:50	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:38	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:38	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:38	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:38	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:38	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:58	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:42	1
Sulfate	**41**		10		mg/L			05/20/15 07:48	2
Chloride	**92**		10		mg/L			05/17/15 19:23	5
Nitrogen, Nitrate	**1.2**		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**490**		10		mg/L			05/16/15 19:10	1
Fluoride	**0.22**		0.10		mg/L			05/19/15 12:42	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/14/15 17:26	1
Nitrogen, Nitrate Nitrite	**1.2**		0.10		mg/L			05/21/15 16:47	1

Client Sample ID: MW-03

Date Collected: 05/13/15 10:50
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 03:51	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 03:51	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 03:51	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*		*05/21/15 03:51*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 03:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*05/21/15 03:51*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/21/15 03:51*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 01:44	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:41	1
Arsenic	**0.0010**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:41	1
Barium	**0.045**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:41	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:54	1
Boron	**0.086**		0.050		mg/L		05/15/15 11:10	05/18/15 14:54	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:41	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:41	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:41	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:41	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 13:41	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:41	1
Manganese	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 14:54	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:41	1
Selenium	**0.0046**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:41	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:41	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:41	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:41	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:41	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:43	1
Sulfate	**39**		10		mg/L			05/20/15 07:49	2
Chloride	**48**		2.0		mg/L			05/17/15 18:14	1
Nitrogen, Nitrate	**2.7**		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**380**		10		mg/L			05/16/15 19:12	1
Fluoride	**0.22**		0.10		mg/L			05/19/15 12:45	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/14/15 17:27	1
Nitrogen, Nitrate Nitrite	**2.7**		0.20		mg/L			05/21/15 17:26	2

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-04

Date Collected: 05/13/15 12:40
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 04:16	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 04:16	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 04:16	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*		*05/21/15 04:16*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/21/15 04:16*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*05/21/15 04:16*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/21/15 04:16*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 02:00	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:43	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:43	1
Barium	**0.025**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:43	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 14:59	1
Boron	**0.80**		0.050		mg/L		05/15/15 11:10	05/18/15 14:59	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:43	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:43	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:43	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:43	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 13:43	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:43	1
Manganese	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 14:59	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:43	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:43	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:43	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:43	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:43	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:43	1
Sulfate	**120**		20		mg/L			05/20/15 07:50	4
Chloride	**65**		2.0		mg/L			05/17/15 18:14	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**540**		10		mg/L			05/16/15 19:15	1
Fluoride	**0.26**		0.10		mg/L			05/19/15 12:47	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/14/15 17:28	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:50	1

Client Sample ID: MW-05

Date Collected: 05/13/15 14:40
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-13

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 04:41	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 04:41	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 04:41	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*05/21/15 04:41*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 04:41*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*05/21/15 04:41*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/21/15 04:41*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 02:15	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:46	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:46	1
Barium	**0.055**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:46	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:04	1
Boron	**0.72**		0.050		mg/L		05/15/15 11:10	05/18/15 15:04	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:46	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:46	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 13:46	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:46	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 13:46	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:46	1
Manganese	**0.0078**		0.0025		mg/L		05/15/15 11:10	05/18/15 15:04	1
Nickel	**0.0023**		0.0020		mg/L		05/15/15 11:10	05/18/15 13:46	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 13:46	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:46	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:46	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 13:46	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:46	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:51	1
Sulfate	**150**		50		mg/L			05/20/15 07:51	10
Chloride	**120**		10		mg/L			05/17/15 19:24	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**730**		10		mg/L			05/16/15 19:17	1
Fluoride	**0.37**		0.10		mg/L			05/19/15 12:50	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/14/15 17:28	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:51	1

Client Sample ID: MW-13

Date Collected: 05/13/15 16:10
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-14

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 05:06	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 05:06	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 05:06	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*05/21/15 05:06*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/21/15 05:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*05/21/15 05:06*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*05/21/15 05:06*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 03:17	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 13:49	1
Arsenic	**0.033**		0.0010		mg/L		05/15/15 11:10	05/18/15 13:49	1
Barium	**0.27**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:49	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:22	1
Boron	**3.8**		0.50		mg/L		05/15/15 11:10	05/20/15 15:22	10
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:49	1
Chromium	<0.010		0.010		mg/L		05/15/15 11:10	05/21/15 13:16	2
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:22	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:49	1
Iron	**0.92**		0.10		mg/L		05/15/15 11:10	05/21/15 13:07	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:49	1
Manganese	**3.9**		0.0025		mg/L		05/15/15 11:10	05/18/15 15:22	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/21/15 13:07	1
Selenium	**0.012**		0.0025		mg/L		05/15/15 11:10	05/18/15 13:49	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 13:49	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 13:49	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 15:22	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 13:49	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:06	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:52	1
Sulfate	**1100**		250		mg/L			05/20/15 07:54	50
Chloride	**180**		10		mg/L			05/17/15 19:26	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**2600**		10		mg/L			05/16/15 19:20	1
Fluoride	**0.39**		0.10		mg/L			05/19/15 12:53	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/14/15 17:29	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:54	1

Client Sample ID: MW-14

Date Collected: 05/13/15 17:20
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 05:31	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 05:31	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 05:31	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 125*		*05/21/15 05:31*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 05:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/21/15 05:31*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/21/15 05:31*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 03:48	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 14:00	1
Arsenic	**0.0017**		0.0010		mg/L		05/15/15 11:10	05/18/15 14:00	1
Barium	**0.042**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:00	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:27	1
Boron	**1.7**		0.25		mg/L		05/15/15 11:10	05/20/15 15:23	5
Cadmium	**0.00056**		0.00050		mg/L		05/15/15 11:10	05/18/15 14:00	1
Chromium	<0.010		0.010		mg/L		05/15/15 11:10	05/21/15 13:32	2
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:27	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 14:00	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/21/15 13:30	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:00	1
Manganese	**0.073**		0.0025		mg/L		05/15/15 11:10	05/18/15 15:27	1
Nickel	**0.0036**		0.0020		mg/L		05/15/15 11:10	05/21/15 13:30	1
Selenium	**0.042**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:00	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:00	1
Thallium	**0.0044**		0.0020		mg/L		05/15/15 11:10	05/18/15 14:00	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 15:27	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 14:00	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:53	1
Sulfate	**1200**		250		mg/L			05/20/15 07:55	50
Chloride	**180**		10		mg/L			05/17/15 19:26	5
Nitrogen, Nitrate	**2.4**		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**2700**		13		mg/L			05/16/15 19:22	1
Fluoride	**0.98**		0.10		mg/L			05/19/15 12:55	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/14/15 17:29	1
Nitrogen, Nitrate Nitrite	**2.4**		0.20		mg/L			05/21/15 17:27	2

Client Sample ID: MW-10

Date Collected: 05/14/15 12:18
Date Received: 05/15/15 07:30

Lab Sample ID: 500-95808-16

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 05:56	1
Toluene	**0.00055**		0.00050		mg/L			05/21/15 05:56	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 05:56	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 125*		*05/21/15 05:56*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*05/21/15 05:56*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*05/21/15 05:56*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/21/15 05:56*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 02:31	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 14:02	1
Arsenic	**0.0011**		0.0010		mg/L		05/15/15 11:10	05/18/15 14:02	1
Barium	**0.23**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:02	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:32	1
Boron	**0.64**		0.050		mg/L		05/15/15 11:10	05/20/15 15:24	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:02	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/21/15 13:59	1
Cobalt	**0.0019**		0.0010		mg/L		05/15/15 11:10	05/18/15 15:32	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 14:02	1
Iron	**0.34**		0.10		mg/L		05/15/15 11:10	05/21/15 13:59	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:02	1
Manganese	**1.7**		0.0025		mg/L		05/15/15 11:10	05/18/15 15:32	1
Nickel	**0.0049**		0.0020		mg/L		05/15/15 11:10	05/21/15 13:59	1
Selenium	**0.0050**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:02	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:02	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 14:02	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 15:32	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 14:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:53	1
Sulfate	**50**		10		mg/L			05/20/15 07:56	2
Chloride	**52**		2.0		mg/L			05/17/15 18:19	1
Nitrogen, Nitrate	**1.2**		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**530**		10		mg/L			05/16/15 19:25	1
Fluoride	**0.21**		0.10		mg/L			05/19/15 12:58	1
Nitrogen, Nitrite	**0.032**		0.020		mg/L			05/16/15 09:37	1
Nitrogen, Nitrate Nitrite	**1.2**		0.10		mg/L			05/21/15 16:56	1

Client Sample ID: MW-15

Date Collected: 05/14/15 10:10
Date Received: 05/15/15 07:30

Lab Sample ID: 500-95808-17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/21/15 06:21	1
Toluene	<0.00050		0.00050		mg/L			05/21/15 06:21	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/21/15 06:21	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/21/15 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*		*05/21/15 06:21*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/21/15 06:21*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*05/21/15 06:21*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/21/15 06:21*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/28/15 04:19	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 14:05	1
Arsenic	**0.0024**		0.0010		mg/L		05/15/15 11:10	05/18/15 14:05	1
Barium	**0.12**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:05	1
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:36	1
Boron	**1.4**		0.25		mg/L		05/15/15 11:10	05/20/15 15:25	5
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:05	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/21/15 14:05	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 15:36	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 14:05	1
Iron	**0.44**		0.10		mg/L		05/15/15 11:10	05/21/15 14:05	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:05	1
Manganese	**0.42**		0.0025		mg/L		05/15/15 11:10	05/18/15 15:36	1
Nickel	**0.010**		0.0020		mg/L		05/15/15 11:10	05/21/15 14:05	1
Selenium	**0.051**		0.0025		mg/L		05/15/15 11:10	05/18/15 14:05	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 14:05	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 14:05	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 15:36	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 14:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:53	1
Sulfate	**930**		250		mg/L			05/26/15 05:13	50
Chloride	**230**		10		mg/L			05/17/15 19:28	5
Nitrogen, Nitrate	**0.10**		0.10		mg/L			05/22/15 12:22	1
Total Dissolved Solids	**2500**		10		mg/L			05/16/15 19:27	1
Fluoride	**0.47**		0.10		mg/L			05/19/15 13:01	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/16/15 09:37	1
Nitrogen, Nitrate Nitrite	**0.10**		0.10		mg/L			05/21/15 16:57	1

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: Trip Blank
Date Collected: 05/11/15 00:00
Date Received: 05/15/15 07:30

Lab Sample ID: 500-95808-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/15 22:52	1
Toluene	<0.00050		0.00050		mg/L			05/20/15 22:52	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/15 22:52	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/15 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*		*05/20/15 22:52*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/20/15 22:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/20/15 22:52*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/20/15 22:52*	*1*

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix sp ke concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Analysis Batch: 288836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Total/NA	Water	8260B	
500-95808-2	MW-06	Total/NA	Water	8260B	
500-95808-3	MW-07	Total/NA	Water	8260B	
500-95808-4	MW-08	Total/NA	Water	8260B	
500-95808-5	MW-09	Total/NA	Water	8260B	
500-95808-6	MW-11	Total/NA	Water	8260B	
500-95808-7	MW-12	Total/NA	Water	8260B	
500-95808-8	MW-16	Total/NA	Water	8260B	
500-95808-9	DUPLICATE	Total/NA	Water	8260B	
500-95808-10	MW-02	Total/NA	Water	8260B	
500-95808-11	MW-03	Total/NA	Water	8260B	
500-95808-12	MW-04	Total/NA	Water	8260B	
500-95808-13	MW-05	Total/NA	Water	8260B	
500-95808-14	MW-13	Total/NA	Water	8260B	
500-95808-15	MW-14	Total/NA	Water	8260B	
500-95808-16	MW-10	Total/NA	Water	8260B	
500-95808-17	MW-15	Total/NA	Water	8260B	
500-95808-17 MS	MW-15	Total/NA	Water	8260B	
500-95808-17 MSD	MW-15	Total/NA	Water	8260B	
500-95808-18	Trip Blank	Total/NA	Water	8260B	
LCS 500-288836/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-288836/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 75111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Total/NA	Water	314.0	
500-95808-2	MW-06	Total/NA	Water	314.0	
500-95808-3	MW-07	Total/NA	Water	314.0	
500-95808-4	MW-08	Total/NA	Water	314.0	
500-95808-5	MW-09	Total/NA	Water	314.0	
500-95808-6	MW-11	Total/NA	Water	314.0	
500-95808-7	MW-12	Total/NA	Water	314.0	
500-95808-8	MW-16	Total/NA	Water	314.0	
500-95808-9	DUPLICATE	Total/NA	Water	314.0	
500-95808-10	MW-02	Total/NA	Water	314.0	
500-95808-11	MW-03	Total/NA	Water	314.0	
500-95808-12	MW-04	Total/NA	Water	314.0	
500-95808-13	MW-05	Total/NA	Water	314.0	
500-95808-14	MW-13	Total/NA	Water	314.0	
500-95808-15	MW-14	Total/NA	Water	314.0	
500-95808-16	MW-10	Total/NA	Water	314.0	
500-95808-17	MW-15	Total/NA	Water	314.0	
LCS 320-75111/13	Lab Control Sample	Total/NA	Water	314.0	
MB 320-75111/12	Method Blank	Total/NA	Water	314.0	
MRL 320-75111/5	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 288205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	7470A	
500-95808-2	MW-06	Dissolved	Water	7470A	
500-95808-3	MW-07	Dissolved	Water	7470A	
500-95808-4	MW-08	Dissolved	Water	7470A	
500-95808-5	MW-09	Dissolved	Water	7470A	
500-95808-6	MW-11	Dissolved	Water	7470A	
500-95808-7	MW-12	Dissolved	Water	7470A	
500-95808-7 DU	MW-12	Dissolved	Water	7470A	
500-95808-7 MS	MW-12	Dissolved	Water	7470A	
500-95808-7 MSD	MW-12	Dissolved	Water	7470A	
500-95808-8	MW-16	Dissolved	Water	7470A	
500-95808-9	DUPLICATE	Dissolved	Water	7470A	
500-95808-10	MW-02	Dissolved	Water	7470A	
500-95808-11	MW-03	Dissolved	Water	7470A	
500-95808-12	MW-04	Dissolved	Water	7470A	
500-95808-13	MW-05	Dissolved	Water	7470A	
500-95808-14	MW-13	Dissolved	Water	7470A	
500-95808-15	MW-14	Dissolved	Water	7470A	
500-95808-16	MW-10	Dissolved	Water	7470A	
500-95808-17	MW-15	Dissolved	Water	7470A	
LCS 500-288205/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-288205/12-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 288223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	Soluble Metals	
500-95808-1 DU	MW-01	Dissolved	Water	Soluble Metals	
500-95808-1 MS	MW-01	Dissolved	Water	Soluble Metals	
500-95808-1 MSD	MW-01	Dissolved	Water	Soluble Metals	
500-95808-2	MW-06	Dissolved	Water	Soluble Metals	
500-95808-3	MW-07	Dissolved	Water	Soluble Metals	
500-95808-4	MW-08	Dissolved	Water	Soluble Metals	
500-95808-5	MW-09	Dissolved	Water	Soluble Metals	
500-95808-6	MW-11	Dissolved	Water	Soluble Metals	
500-95808-7	MW-12	Dissolved	Water	Soluble Metals	
500-95808-8	MW-16	Dissolved	Water	Soluble Metals	
500-95808-9	DUPLICATE	Dissolved	Water	Soluble Metals	
500-95808-10	MW-02	Dissolved	Water	Soluble Metals	
500-95808-11	MW-03	Dissolved	Water	Soluble Metals	
500-95808-12	MW-04	Dissolved	Water	Soluble Metals	
500-95808-13	MW-05	Dissolved	Water	Soluble Metals	
500-95808-14	MW-13	Dissolved	Water	Soluble Metals	
500-95808-15	MW-14	Dissolved	Water	Soluble Metals	
500-95808-16	MW-10	Dissolved	Water	Soluble Metals	
500-95808-17	MW-15	Dissolved	Water	Soluble Metals	
LCS 500-288223/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
MB 500-288223/1-A	Method Blank	Soluble	Water	Soluble Metals	

Analysis Batch: 288447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	7470A	288205

Metals (Continued)

Analysis Batch: 288447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-2	MW-06	Dissolved	Water	7470A	288205
500-95808-3	MW-07	Dissolved	Water	7470A	288205
500-95808-4	MW-08	Dissolved	Water	7470A	288205
500-95808-5	MW-09	Dissolved	Water	7470A	288205
500-95808-6	MW-11	Dissolved	Water	7470A	288205
500-95808-7	MW-12	Dissolved	Water	7470A	288205
500-95808-7 DU	MW-12	Dissolved	Water	7470A	288205
500-95808-7 MS	MW-12	Dissolved	Water	7470A	288205
500-95808-7 MSD	MW-12	Dissolved	Water	7470A	288205
500-95808-8	MW-16	Dissolved	Water	7470A	288205
500-95808-9	DUPLICATE	Dissolved	Water	7470A	288205
500-95808-10	MW-02	Dissolved	Water	7470A	288205
500-95808-11	MW-03	Dissolved	Water	7470A	288205
500-95808-12	MW-04	Dissolved	Water	7470A	288205
500-95808-13	MW-05	Dissolved	Water	7470A	288205
500-95808-14	MW-13	Dissolved	Water	7470A	288205
500-95808-15	MW-14	Dissolved	Water	7470A	288205
500-95808-16	MW-10	Dissolved	Water	7470A	288205
500-95808-17	MW-15	Dissolved	Water	7470A	288205
LCS 500-288205/13-A	Lab Control Sample	Total/NA	Water	7470A	288205
MB 500-288205/12-A	Method Blank	Total/NA	Water	7470A	288205

Analysis Batch: 288535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	6020A	288223
500-95808-1 DU	MW-01	Dissolved	Water	6020A	288223
500-95808-1 MS	MW-01	Dissolved	Water	6020A	288223
500-95808-1 MSD	MW-01	Dissolved	Water	6020A	288223
500-95808-2	MW-06	Dissolved	Water	6020A	288223
500-95808-3	MW-07	Dissolved	Water	6020A	288223
500-95808-4	MW-08	Dissolved	Water	6020A	288223
500-95808-5	MW-09	Dissolved	Water	6020A	288223
500-95808-6	MW-11	Dissolved	Water	6020A	288223
500-95808-7	MW-12	Dissolved	Water	6020A	288223
500-95808-8	MW-16	Dissolved	Water	6020A	288223
500-95808-9	DUPLICATE	Dissolved	Water	6020A	288223
500-95808-10	MW-02	Dissolved	Water	6020A	288223
500-95808-11	MW-03	Dissolved	Water	6020A	288223
500-95808-12	MW-04	Dissolved	Water	6020A	288223
500-95808-13	MW-05	Dissolved	Water	6020A	288223
500-95808-14	MW-13	Dissolved	Water	6020A	288223
500-95808-15	MW-14	Dissolved	Water	6020A	288223
500-95808-16	MW-10	Dissolved	Water	6020A	288223
500-95808-17	MW-15	Dissolved	Water	6020A	288223
LCS 500-288223/2-A	Lab Control Sample	Soluble	Water	6020A	288223
MB 500-288223/1-A	Method Blank	Soluble	Water	6020A	288223

Analysis Batch: 288542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	6020A	288223
500-95808-1 DU	MW-01	Dissolved	Water	6020A	288223

Metals (Continued)

Analysis Batch: 288542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1 MS	MW-01	Dissolved	Water	6020A	288223
500-95808-1 MSD	MW-01	Dissolved	Water	6020A	288223
500-95808-2	MW-06	Dissolved	Water	6020A	288223
500-95808-3	MW-07	Dissolved	Water	6020A	288223
500-95808-4	MW-08	Dissolved	Water	6020A	288223
500-95808-5	MW-09	Dissolved	Water	6020A	288223
500-95808-6	MW-11	Dissolved	Water	6020A	288223
500-95808-7	MW-12	Dissolved	Water	6020A	288223
500-95808-8	MW-16	Dissolved	Water	6020A	288223
500-95808-9	DUPLICATE	Dissolved	Water	6020A	288223
500-95808-10	MW-02	Dissolved	Water	6020A	288223
500-95808-11	MW-03	Dissolved	Water	6020A	288223
500-95808-12	MW-04	Dissolved	Water	6020A	288223
500-95808-13	MW-05	Dissolved	Water	6020A	288223
500-95808-14	MW-13	Dissolved	Water	6020A	288223
500-95808-15	MW-14	Dissolved	Water	6020A	288223
500-95808-16	MW-10	Dissolved	Water	6020A	288223
500-95808-17	MW-15	Dissolved	Water	6020A	288223
LCS 500-288223/2-A	Lab Control Sample	Soluble	Water	6020A	288223
MB 500-288223/1-A	Method Blank	Soluble	Water	6020A	288223

Analysis Batch: 288909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-14	MW-13	Dissolved	Water	6020A	288223
500-95808-15	MW-14	Dissolved	Water	6020A	288223
500-95808-16	MW-10	Dissolved	Water	6020A	288223
500-95808-17	MW-15	Dissolved	Water	6020A	288223

Analysis Batch: 289108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-3	MW-07	Dissolved	Water	6020A	288223
500-95808-4	MW-08	Dissolved	Water	6020A	288223
500-95808-6	MW-11	Dissolved	Water	6020A	288223
500-95808-7	MW-12	Dissolved	Water	6020A	288223
500-95808-14	MW-13	Dissolved	Water	6020A	288223
500-95808-14	MW-13	Dissolved	Water	6020A	288223
500-95808-15	MW-14	Dissolved	Water	6020A	288223
500-95808-15	MW-14	Dissolved	Water	6020A	288223
500-95808-16	MW-10	Dissolved	Water	6020A	288223
500-95808-17	MW-15	Dissolved	Water	6020A	288223

General Chemistry

Analysis Batch: 287728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-95808-1 MS	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-95808-1 MSD	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-95808-2	MW-06	Dissolved	Water	SM 4500 NO2 B	
500-95808-3	MW-07	Dissolved	Water	SM 4500 NO2 B	

General Chemistry (Continued)

Analysis Batch: 287728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-4	MW-08	Dissolved	Water	SM 4500 NO2 B	
LCS 500-287728/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-287728/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 287912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-5	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-95808-5 MS	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-95808-5 MSD	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-95808-6	MW-11	Dissolved	Water	SM 4500 NO2 B	
500-95808-7	MW-12	Dissolved	Water	SM 4500 NO2 B	
500-95808-8	MW-16	Dissolved	Water	SM 4500 NO2 B	
500-95808-9	DUPLICATE	Dissolved	Water	SM 4500 NO2 B	
LCS 500-287912/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-287912/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 288099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-10	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-95808-10 MS	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-95808-10 MSD	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-95808-11	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-95808-12	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-95808-13	MW-05	Dissolved	Water	SM 4500 NO2 B	
500-95808-14	MW-13	Dissolved	Water	SM 4500 NO2 B	
500-95808-15	MW-14	Dissolved	Water	SM 4500 NO2 B	
LCS 500-288099/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-288099/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 288317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-16	MW-10	Dissolved	Water	SM 4500 NO2 B	
500-95808-16 MS	MW-10	Dissolved	Water	SM 4500 NO2 B	
500-95808-16 MSD	MW-10	Dissolved	Water	SM 4500 NO2 B	
500-95808-17	MW-15	Dissolved	Water	SM 4500 NO2 B	
LCS 500-288317/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-288317/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 288322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	SM 2540C	
500-95808-2	MW-06	Dissolved	Water	SM 2540C	
500-95808-3	MW-07	Dissolved	Water	SM 2540C	
500-95808-4	MW-08	Dissolved	Water	SM 2540C	
500-95808-5	MW-09	Dissolved	Water	SM 2540C	
500-95808-6	MW-11	Dissolved	Water	SM 2540C	
500-95808-7	MW-12	Dissolved	Water	SM 2540C	
500-95808-8	MW-16	Dissolved	Water	SM 2540C	
500-95808-9	DUPLICATE	Dissolved	Water	SM 2540C	
500-95808-10	MW-02	Dissolved	Water	SM 2540C	
500-95808-11	MW-03	Dissolved	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 288322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-12	MW-04	Dissolved	Water	SM 2540C	
500-95808-13	MW-05	Dissolved	Water	SM 2540C	
500-95808-14	MW-13	Dissolved	Water	SM 2540C	
500-95808-15	MW-14	Dissolved	Water	SM 2540C	
500-95808-16	MW-10	Dissolved	Water	SM 2540C	
500-95808-17	MW-15	Dissolved	Water	SM 2540C	
LCS 500-288322/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-288322/1	Method Blank	Total/NA	Water	SM 2540C	

Prep Batch: 288400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	9010B	
500-95808-1 MS	MW-01	Dissolved	Water	9010B	
500-95808-1 MSD	MW-01	Dissolved	Water	9010B	
500-95808-2	MW-06	Dissolved	Water	9010B	
500-95808-3	MW-07	Dissolved	Water	9010B	
500-95808-4	MW-08	Dissolved	Water	9010B	
500-95808-5	MW-09	Dissolved	Water	9010B	
500-95808-6	MW-11	Dissolved	Water	9010B	
500-95808-7	MW-12	Dissolved	Water	9010B	
500-95808-8	MW-16	Dissolved	Water	9010B	
500-95808-9	DUPLICATE	Dissolved	Water	9010B	
500-95808-10	MW-02	Dissolved	Water	9010B	
500-95808-11	MW-03	Dissolved	Water	9010B	
500-95808-12	MW-04	Dissolved	Water	9010B	
LCS 500-288400/12-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-288400/11-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 288467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	9251	
500-95808-2	MW-06	Dissolved	Water	9251	
500-95808-2 MS	MW-06	Dissolved	Water	9251	
500-95808-2 MSD	MW-06	Dissolved	Water	9251	
500-95808-3	MW-07	Dissolved	Water	9251	
500-95808-4	MW-08	Dissolved	Water	9251	
500-95808-5	MW-09	Dissolved	Water	9251	
500-95808-6	MW-11	Dissolved	Water	9251	
500-95808-7	MW-12	Dissolved	Water	9251	
500-95808-8	MW-16	Dissolved	Water	9251	
500-95808-9	DUPLICATE	Dissolved	Water	9251	
500-95808-10	MW-02	Dissolved	Water	9251	
500-95808-11	MW-03	Dissolved	Water	9251	
500-95808-12	MW-04	Dissolved	Water	9251	
500-95808-13	MW-05	Dissolved	Water	9251	
500-95808-14	MW-13	Dissolved	Water	9251	
500-95808-15	MW-14	Dissolved	Water	9251	
500-95808-16	MW-10	Dissolved	Water	9251	
500-95808-17	MW-15	Dissolved	Water	9251	
500-95808-I-15 MS	500-95808-I-15 MS	Dissolved	Water	9251	
500-95808-I-15 MSD	500-95808-I-15 MSD	Dissolved	Water	9251	

General Chemistry (Continued)

Analysis Batch: 288467 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-288467/5	Lab Control Sample	Total/NA	Water	9251	
MB 500-288467/4	Method Blank	Total/NA	Water	9251	

Prep Batch: 288485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-13	MW-05	Dissolved	Water	9010B	
500-95808-13 MS	MW-05	Dissolved	Water	9010B	
500-95808-13 MSD	MW-05	Dissolved	Water	9010B	
500-95808-14	MW-13	Dissolved	Water	9010B	
500-95808-15	MW-14	Dissolved	Water	9010B	
500-95808-16	MW-10	Dissolved	Water	9010B	
500-95808-17	MW-15	Dissolved	Water	9010B	
LCS 500-288485/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-288485/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 288495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	9014	288400
500-95808-1 MS	MW-01	Dissolved	Water	9014	288400
500-95808-1 MSD	MW-01	Dissolved	Water	9014	288400
500-95808-2	MW-06	Dissolved	Water	9014	288400
500-95808-3	MW-07	Dissolved	Water	9014	288400
500-95808-4	MW-08	Dissolved	Water	9014	288400
500-95808-5	MW-09	Dissolved	Water	9014	288400
500-95808-6	MW-11	Dissolved	Water	9014	288400
500-95808-7	MW-12	Dissolved	Water	9014	288400
500-95808-8	MW-16	Dissolved	Water	9014	288400
500-95808-9	DUPLICATE	Dissolved	Water	9014	288400
500-95808-10	MW-02	Dissolved	Water	9014	288400
500-95808-11	MW-03	Dissolved	Water	9014	288400
500-95808-12	MW-04	Dissolved	Water	9014	288400
LCS 500-288400/12-A	Lab Control Sample	Total/NA	Water	9014	288400
MB 500-288400/11-A	Method Blank	Total/NA	Water	9014	288400

Analysis Batch: 288512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-13	MW-05	Dissolved	Water	9014	288485
500-95808-13 MS	MW-05	Dissolved	Water	9014	288485
500-95808-13 MSD	MW-05	Dissolved	Water	9014	288485
500-95808-14	MW-13	Dissolved	Water	9014	288485
500-95808-15	MW-14	Dissolved	Water	9014	288485
500-95808-16	MW-10	Dissolved	Water	9014	288485
500-95808-17	MW-15	Dissolved	Water	9014	288485
LCS 500-288485/2-A	Lab Control Sample	Total/NA	Water	9014	288485
MB 500-288485/1-A	Method Blank	Total/NA	Water	9014	288485

Analysis Batch: 288564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	9038	
500-95808-2	MW-06	Dissolved	Water	9038	
500-95808-3	MW-07	Dissolved	Water	9038	

General Chemistry (Continued)

Analysis Batch: 288564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-4	MW-08	Dissolved	Water	9038	
500-95808-5	MW-09	Dissolved	Water	9038	
LCS 500-288564/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-288564/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 288619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	Nitrate by calc	
500-95808-2	MW-06	Dissolved	Water	Nitrate by calc	
500-95808-3	MW-07	Dissolved	Water	Nitrate by calc	
500-95808-4	MW-08	Dissolved	Water	Nitrate by calc	
500-95808-5	MW-09	Dissolved	Water	Nitrate by calc	
500-95808-6	MW-11	Dissolved	Water	Nitrate by calc	
500-95808-7	MW-12	Dissolved	Water	Nitrate by calc	
500-95808-8	MW-16	Dissolved	Water	Nitrate by calc	
500-95808-9	DUPLICATE	Dissolved	Water	Nitrate by calc	
500-95808-10	MW-02	Dissolved	Water	Nitrate by calc	
500-95808-11	MW-03	Dissolved	Water	Nitrate by calc	
500-95808-12	MW-04	Dissolved	Water	Nitrate by calc	
500-95808-13	MW-05	Dissolved	Water	Nitrate by calc	
500-95808-14	MW-13	Dissolved	Water	Nitrate by calc	
500-95808-15	MW-14	Dissolved	Water	Nitrate by calc	
500-95808-16	MW-10	Dissolved	Water	Nitrate by calc	
500-95808-17	MW-15	Dissolved	Water	Nitrate by calc	

Analysis Batch: 288640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	SM 4500 F C	
500-95808-2	MW-06	Dissolved	Water	SM 4500 F C	
500-95808-3	MW-07	Dissolved	Water	SM 4500 F C	
500-95808-4	MW-08	Dissolved	Water	SM 4500 F C	
500-95808-5	MW-09	Dissolved	Water	SM 4500 F C	
500-95808-6	MW-11	Dissolved	Water	SM 4500 F C	
500-95808-7	MW-12	Dissolved	Water	SM 4500 F C	
500-95808-7 MS	MW-12	Dissolved	Water	SM 4500 F C	
500-95808-7 MSD	MW-12	Dissolved	Water	SM 4500 F C	
500-95808-8	MW-16	Dissolved	Water	SM 4500 F C	
500-95808-8 MS	MW-16	Dissolved	Water	SM 4500 F C	
500-95808-8 MSD	MW-16	Dissolved	Water	SM 4500 F C	
500-95808-9	DUPLICATE	Dissolved	Water	SM 4500 F C	
500-95808-10	MW-02	Dissolved	Water	SM 4500 F C	
500-95808-11	MW-03	Dissolved	Water	SM 4500 F C	
500-95808-12	MW-04	Dissolved	Water	SM 4500 F C	
500-95808-13	MW-05	Dissolved	Water	SM 4500 F C	
500-95808-14	MW-13	Dissolved	Water	SM 4500 F C	
500-95808-15	MW-14	Dissolved	Water	SM 4500 F C	
500-95808-16	MW-10	Dissolved	Water	SM 4500 F C	
500-95808-17	MW-15	Dissolved	Water	SM 4500 F C	
LCS 500-288640/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-288640/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-288640/3	Method Blank	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 288640 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-288640/31	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 288718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-6	MW-11	Dissolved	Water	9038	
500-95808-7	MW-12	Dissolved	Water	9038	
500-95808-8	MW-16	Dissolved	Water	9038	
500-95808-9	DUPLICATE	Dissolved	Water	9038	
500-95808-10	MW-02	Dissolved	Water	9038	
500-95808-11	MW-03	Dissolved	Water	9038	
500-95808-12	MW-04	Dissolved	Water	9038	
500-95808-13	MW-05	Dissolved	Water	9038	
500-95808-13 MS	MW-05	Dissolved	Water	9038	
500-95808-13 MSD	MW-05	Dissolved	Water	9038	
500-95808-14	MW-13	Dissolved	Water	9038	
500-95808-15	MW-14	Dissolved	Water	9038	
500-95808-16	MW-10	Dissolved	Water	9038	
LCS 500-288718/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-288718/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 289067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-1	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-95808-2	MW-06	Dissolved	Water	SM 4500 NO3 F	
500-95808-3	MW-07	Dissolved	Water	SM 4500 NO3 F	
500-95808-4	MW-08	Dissolved	Water	SM 4500 NO3 F	
500-95808-5	MW-09	Dissolved	Water	SM 4500 NO3 F	
500-95808-6	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-95808-7	MW-12	Dissolved	Water	SM 4500 NO3 F	
500-95808-8	MW-16	Dissolved	Water	SM 4500 NO3 F	
500-95808-9	DUPLICATE	Dissolved	Water	SM 4500 NO3 F	
500-95808-10	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-95808-11	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-95808-12	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-95808-13	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-95808-14	MW-13	Dissolved	Water	SM 4500 NO3 F	
500-95808-15	MW-14	Dissolved	Water	SM 4500 NO3 F	
500-95808-16	MW-10	Dissolved	Water	SM 4500 NO3 F	
500-95808-17	MW-15	Dissolved	Water	SM 4500 NO3 F	
LCS 500-289067/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-289067/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 289385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95808-17	MW-15	Dissolved	Water	9038	
LCS 500-289385/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-289385/3	Method Blank	Total/NA	Water	9038	

Surrogate Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-125)	TOL (75-120)	BFB (75-120)	DBFM (75-120)
500-95808-1	MW-01	93	95	98	102
500-95808-2	MW-06	94	100	97	100
500-95808-3	MW-07	99	99	109	100
500-95808-4	MW-08	94	97	95	106
500-95808-5	MW-09	93	96	97	103
500-95808-6	MW-11	95	97	96	106
500-95808-7	MW-12	94	98	98	107
500-95808-8	MW-16	101	97	100	102
500-95808-9	DUPLICATE	96	96	100	102
500-95808-10	MW-02	97	97	96	103
500-95808-11	MW-03	95	97	100	103
500-95808-12	MW-04	95	98	97	103
500-95808-13	MW-05	94	97	99	103
500-95808-14	MW-13	94	95	97	105
500-95808-15	MW-14	91	97	96	100
500-95808-16	MW-10	99	101	102	102
500-95808-17	MW-15	101	97	101	103
500-95808-17 MS	MW-15	90	97	96	101
500-95808-17 MSD	MW-15	93	99	96	108
500-95808-18	Trip Blank	96	97	96	101
LCS 500-288836/4	Lab Control Sample	91	98	95	107
MB 500-288836/6	Method Blank	92	103	95	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-288836/6
Matrix: Water
Analysis Batch: 288836

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/15 22:27	1
Toluene	<0.00050		0.00050		mg/L			05/20/15 22:27	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/15 22:27	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/15 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 125*		*05/20/15 22:27*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/20/15 22:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*		*05/20/15 22:27*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/20/15 22:27*	*1*

Lab Sample ID: LCS 500-288836/4
Matrix: Water
Analysis Batch: 288836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0535		mg/L		107	75 - 120
Toluene	0.0500	0.0507		mg/L		101	75 - 120
Ethylbenzene	0.0500	0.0558		mg/L		112	75 - 120
Xylenes, Total	0.100	0.104		mg/L		104	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 125*
Toluene-d8 (Surr)	*98*		*75 - 120*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*
Dibromofluoromethane	*107*		*75 - 120*

Lab Sample ID: 500-95808-17 MS
Matrix: Water
Analysis Batch: 288836

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00050		0.0500	0.0496		mg/L		99	75 - 120
Toluene	<0.00050		0.0500	0.0485		mg/L		97	75 - 120
Ethylbenzene	<0.00050		0.0500	0.0538		mg/L		108	75 - 120
Xylenes, Total	<0.0010		0.100	0.100		mg/L		100	75 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*
Toluene-d8 (Surr)	*97*		*75 - 120*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*
Dibromofluoromethane	*101*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-95808-17 MSD
Matrix: Water
Analysis Batch: 288836

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0522		mg/L		104	75 - 120	5	20
Toluene	<0.00050		0.0500	0.0482		mg/L		96	75 - 120	1	20
Ethylbenzene	<0.00050		0.0500	0.0559		mg/L		112	75 - 120	4	20
Xylenes, Total	<0.0010		0.100	0.103		mg/L		103	75 - 120	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*
Toluene-d8 (Surr)	*99*		*75 - 120*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*
Dibromofluoromethane	*108*		*75 - 120*

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-75111/12
Matrix: Water
Analysis Batch: 75111

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 21:22	1

Lab Sample ID: LCS 320-75111/13
Matrix: Water
Analysis Batch: 75111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.0500	0.0510		mg/L		102	85 - 115

Lab Sample ID: MRL 320-75111/5
Matrix: Water
Analysis Batch: 75111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	5.14	^	ug/L		128	75 - 125

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-95808-1 MS
Matrix: Water
Analysis Batch: 288535

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 288223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030	^	0.500	0.515		mg/L		103	75 - 125
Arsenic	<0.0010		0.100	0.123		mg/L		123	75 - 125
Barium	0.036		0.500	0.521		mg/L		97	75 - 125
Cadmium	<0.00050		0.0500	0.0556		mg/L		111	75 - 125
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125
Cobalt	<0.0010		0.500	0.499		mg/L		100	75 - 125
Copper	<0.0020	^	0.250	0.250		mg/L		99	75 - 125

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-95808-1 MS — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 288535 — **Prep Batch: 288223**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	<0.10	^	1.00	0.979		mg/L		95	75 - 125
Lead	<0.00050		0.100	0.100		mg/L		100	75 - 125
Nickel	<0.0020	^	0.500	0.502		mg/L		100	75 - 125
Selenium	<0.0025		0.100	0.141	F1	mg/L		141	75 - 125
Silver	<0.00050		0.0500	0.0443		mg/L		89	75 - 125
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125
Vanadium	<0.0050		0.500	0.497		mg/L		99	75 - 125
Zinc	<0.020		0.500	0.575		mg/L		115	75 - 125

Lab Sample ID: 500-95808-1 MS — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 288542 — **Prep Batch: 288223**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	<0.0010		0.0500	0.0488		mg/L		98	75 - 125
Boron	0.087		1.00	1.04		mg/L		95	75 - 125
Manganese	<0.0025		0.500	0.473		mg/L		94	75 - 125

Lab Sample ID: 500-95808-1 MSD — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 288535 — **Prep Batch: 288223**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.0030	^	0.500	0.501		mg/L		100	75 - 125	3	20
Arsenic	<0.0010		0.100	0.119		mg/L		119	75 - 125	4	20
Barium	0.036		0.500	0.497		mg/L		92	75 - 125	5	20
Cadmium	<0.00050		0.0500	0.0536		mg/L		107	75 - 125	4	20
Chromium	<0.0050		0.200	0.182		mg/L		91	75 - 125	6	20
Cobalt	<0.0010		0.500	0.469		mg/L		94	75 - 125	6	20
Copper	<0.0020	^	0.250	0.240		mg/L		96	75 - 125	4	20
Iron	<0.10	^	1.00	0.939		mg/L		91	75 - 125	4	20
Lead	<0.00050		0.100	0.0960		mg/L		96	75 - 125	4	20
Nickel	<0.0020	^	0.500	0.474		mg/L		95	75 - 125	6	20
Selenium	<0.0025		0.100	0.137	F1	mg/L		137	75 - 125	3	20
Silver	<0.00050		0.0500	0.0455		mg/L		91	75 - 125	3	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	4	20
Vanadium	<0.0050		0.500	0.468		mg/L		94	75 - 125	6	20
Zinc	<0.020		0.500	0.553		mg/L		111	75 - 125	4	20

Lab Sample ID: 500-95808-1 MSD — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 288542 — **Prep Batch: 288223**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	<0.0010		0.0500	0.0488		mg/L		98	75 - 125	0	20
Boron	0.087		1.00	1.05		mg/L		96	75 - 125	1	20
Manganese	<0.0025		0.500	0.472		mg/L		94	75 - 125	0	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-95808-1 DU
Matrix: Water
Analysis Batch: 288535

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 288223

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030	^	<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L			20
Barium	0.036		0.0383		mg/L		7	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Copper	<0.0020	^	<0.0020		mg/L		NC	20
Iron	<0.10	^	<0.10		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Nickel	<0.0020	^	<0.0020		mg/L		NC	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Silver	<0.00050		<0.00050		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20
Vanadium	<0.0050		<0.0050		mg/L		NC	20
Zinc	<0.020		<0.020		mg/L		NC	20

Lab Sample ID: 500-95808-1 DU
Matrix: Water
Analysis Batch: 288542

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 288223

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.087		0.0812		mg/L		7	20
Manganese	<0.0025		<0.0025		mg/L		NC	20

Lab Sample ID: MB 500-288223/1-A
Matrix: Water
Analysis Batch: 288535

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 288223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/15/15 11:10	05/18/15 12:50	1
Arsenic	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 12:50	1
Barium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 12:50	1
Cadmium	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 12:50	1
Chromium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 12:50	1
Cobalt	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 12:50	1
Copper	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 12:50	1
Iron	<0.10		0.10		mg/L		05/15/15 11:10	05/18/15 12:50	1
Lead	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 12:50	1
Nickel	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 12:50	1
Selenium	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 12:50	1
Silver	<0.00050		0.00050		mg/L		05/15/15 11:10	05/18/15 12:50	1
Thallium	<0.0020		0.0020		mg/L		05/15/15 11:10	05/18/15 12:50	1
Vanadium	<0.0050		0.0050		mg/L		05/15/15 11:10	05/18/15 12:50	1
Zinc	<0.020		0.020		mg/L		05/15/15 11:10	05/18/15 12:50	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-288223/1-A
Matrix: Water
Analysis Batch: 288542

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 288223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0010		0.0010		mg/L		05/15/15 11:10	05/18/15 19:25	1
Boron	<0.050	^	0.050		mg/L		05/15/15 11:10	05/18/15 19:25	1
Manganese	<0.0025		0.0025		mg/L		05/15/15 11:10	05/18/15 19:25	1

Lab Sample ID: LCS 500-288223/2-A
Matrix: Water
Analysis Batch: 288535

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 288223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.474		mg/L		95	80 - 120
Arsenic	0.100	0.0985		mg/L		98	80 - 120
Barium	0.500	0.469		mg/L		94	80 - 120
Cadmium	0.0500	0.0534		mg/L		107	80 - 120
Chromium	0.200	0.193		mg/L		96	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Copper	0.250	0.252		mg/L		101	80 - 120
Iron	1.00	0.959		mg/L		96	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Nickel	0.500	0.518		mg/L		104	80 - 120
Selenium	0.100	0.0972		mg/L		97	80 - 120
Silver	0.0500	0.0460		mg/L		92	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120
Vanadium	0.500	0.484		mg/L		97	80 - 120
Zinc	0.500	0.511		mg/L		102	80 - 120

Lab Sample ID: LCS 500-288223/2-A
Matrix: Water
Analysis Batch: 288542

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 288223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.0500	0.0428		mg/L		86	80 - 120
Boron	1.00	0.894		mg/L		89	80 - 120
Manganese	0.500	0.443		mg/L		89	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-288205/12-A
Matrix: Water
Analysis Batch: 288447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:23	1

Lab Sample ID: LCS 500-288205/13-A
Matrix: Water
Analysis Batch: 288447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00207		mg/L		103	80 - 120

Lab Sample ID: 500-95808-7 MS
Matrix: Water
Analysis Batch: 288447

Client Sample ID: MW-12
Prep Type: Dissolved
Prep Batch: 288205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.000887		mg/L		89	80 - 120

Lab Sample ID: 500-95808-7 MSD
Matrix: Water
Analysis Batch: 288447

Client Sample ID: MW-12
Prep Type: Dissolved
Prep Batch: 288205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000869		mg/L		87	80 - 120	2	20

Lab Sample ID: 500-95808-7 DU
Matrix: Water
Analysis Batch: 288447

Client Sample ID: MW-12
Prep Type: Dissolved
Prep Batch: 288205

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

Method: 9014 - Cyanide

Lab Sample ID: MB 500-288400/11-A
Matrix: Water
Analysis Batch: 288495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 12:05	05/18/15 14:36	1

Lab Sample ID: LCS 500-288400/12-A
Matrix: Water
Analysis Batch: 288495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: MB 500-288485/1-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:50	1

Lab Sample ID: LCS 500-288485/2-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.100		mg/L		100	80 - 120

Lab Sample ID: 500-95808-1 MS
Matrix: Water
Analysis Batch: 288495

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 288400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	<0.010		0.0400	0.0381		mg/L		95	75 - 125

Lab Sample ID: 500-95808-1 MSD
Matrix: Water
Analysis Batch: 288495

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 288400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	<0.010		0.0400	0.0414		mg/L		104	75 - 125	8	20

Lab Sample ID: 500-95808-13 MS
Matrix: Water
Analysis Batch: 288512

Client Sample ID: MW-05
Prep Type: Dissolved
Prep Batch: 288485

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	<0.010		0.0400	0.0392		mg/L		98	75 - 125

Lab Sample ID: 500-95808-13 MSD
Matrix: Water
Analysis Batch: 288512

Client Sample ID: MW-05
Prep Type: Dissolved
Prep Batch: 288485

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	<0.010		0.0400	0.0369		mg/L		92	75 - 125	6	20

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-288564/3
Matrix: Water
Analysis Batch: 288564

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/19/15 07:33	1

Lab Sample ID: LCS 500-288564/4
Matrix: Water
Analysis Batch: 288564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	19.1		mg/L		96	80 - 120

Lab Sample ID: MB 500-288718/3
Matrix: Water
Analysis Batch: 288718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/20/15 07:35	1

Lab Sample ID: LCS 500-288718/4
Matrix: Water
Analysis Batch: 288718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	19.2		mg/L		96	80 - 120

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: MB 500-289385/3
Matrix: Water
Analysis Batch: 289385

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/26/15 05:11	1

Lab Sample ID: LCS 500-289385/4
Matrix: Water
Analysis Batch: 289385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	18.2		mg/L		91	80 - 120

Lab Sample ID: 500-95808-13 MS
Matrix: Water
Analysis Batch: 288718

Client Sample ID: MW-05
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	150		400	542		mg/L		98	75 - 125

Lab Sample ID: 500-95808-13 MSD
Matrix: Water
Analysis Batch: 288718

Client Sample ID: MW-05
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	150		400	549		mg/L		100	75 - 125	1	20

Method: 9251 - Chloride

Lab Sample ID: MB 500-288467/4
Matrix: Water
Analysis Batch: 288467

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			05/17/15 17:59	1

Lab Sample ID: LCS 500-288467/5
Matrix: Water
Analysis Batch: 288467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.1		mg/L		102	80 - 120

Lab Sample ID: 500-95808-2 MS
Matrix: Water
Analysis Batch: 288467

Client Sample ID: MW-06
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	230		50.0	258	4	mg/L		56	75 - 125

Method: 9251 - Chloride (Continued)

Lab Sample ID: 500-95808-2 MSD
Matrix: Water
Analysis Batch: 288467

Client Sample ID: MW-06
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	230		50.0	268	4	mg/L		75	75 - 125	4	20

Lab Sample ID: 500-95808-I-15 MS
Matrix: Water
Analysis Batch: 288467

Client Sample ID: 500-95808-I-15 MS
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	190	F1	50.0	233		mg/L		90	75 - 125

Lab Sample ID: 500-95808-I-15 MSD
Matrix: Water
Analysis Batch: 288467

Client Sample ID: 500-95808-I-15 MSD
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	190	F1	50.0	218	F1	mg/L		60	75 - 125	7	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-288322/1
Matrix: Water
Analysis Batch: 288322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			05/16/15 18:30	1

Lab Sample ID: LCS 500-288322/2
Matrix: Water
Analysis Batch: 288322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	264		mg/L		106	80 - 120

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-288640/3
Matrix: Water
Analysis Batch: 288640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/19/15 10:52	1

Lab Sample ID: MB 500-288640/31
Matrix: Water
Analysis Batch: 288640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/19/15 12:16	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-288640/32
Matrix: Water
Analysis Batch: 288640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.9		mg/L		109	80 - 120

Lab Sample ID: LCS 500-288640/4
Matrix: Water
Analysis Batch: 288640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.5		mg/L		105	80 - 120

Lab Sample ID: 500-95808-7 MS
Matrix: Water
Analysis Batch: 288640

Client Sample ID: MW-12
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.52		5.00	5.80		mg/L		106	75 - 125

Lab Sample ID: 500-95808-7 MSD
Matrix: Water
Analysis Batch: 288640

Client Sample ID: MW-12
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.52		5.00	5.80		mg/L		106	75 - 125	0	20

Lab Sample ID: 500-95808-8 MS
Matrix: Water
Analysis Batch: 288640

Client Sample ID: MW-16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.11		5.00	5.46		mg/L		107	75 - 125

Lab Sample ID: 500-95808-8 MSD
Matrix: Water
Analysis Batch: 288640

Client Sample ID: MW-16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.11		5.00	5.46		mg/L		107	75 - 125	0	20

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-287728/3
Matrix: Water
Analysis Batch: 287728

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/15 16:30	1

Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCS 500-287728/4
Matrix: Water
Analysis Batch: 287728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.0990		mg/L		99	80 - 120

Lab Sample ID: MB 500-287912/3
Matrix: Water
Analysis Batch: 287912

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:40	1

Lab Sample ID: LCS 500-287912/4
Matrix: Water
Analysis Batch: 287912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: MB 500-288099/3
Matrix: Water
Analysis Batch: 288099

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/14/15 17:25	1

Lab Sample ID: LCS 500-288099/4
Matrix: Water
Analysis Batch: 288099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: MB 500-288317/3
Matrix: Water
Analysis Batch: 288317

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/16/15 09:36	1

Lab Sample ID: LCS 500-288317/4
Matrix: Water
Analysis Batch: 288317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.0976		mg/L		98	80 - 120

Lab Sample ID: 500-95808-1 MS
Matrix: Water
Analysis Batch: 287728

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.103		mg/L		97	75 - 125

Lab Sample ID: 500-95808-1 MSD
Matrix: Water
Analysis Batch: 287728

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.0983		mg/L		93	75 - 125	4	20

Lab Sample ID: 500-95808-5 MS
Matrix: Water
Analysis Batch: 287912

Client Sample ID: MW-09
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.107		mg/L		102	75 - 125

Lab Sample ID: 500-95808-5 MSD
Matrix: Water
Analysis Batch: 287912

Client Sample ID: MW-09
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.110		mg/L		105	75 - 125	3	20

Lab Sample ID: 500-95808-10 MS
Matrix: Water
Analysis Batch: 288099

Client Sample ID: MW-02
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.103		mg/L		96	75 - 125

Lab Sample ID: 500-95808-10 MSD
Matrix: Water
Analysis Batch: 288099

Client Sample ID: MW-02
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.104		mg/L		97	75 - 125	1	20

Lab Sample ID: 500-95808-16 MS
Matrix: Water
Analysis Batch: 288317

Client Sample ID: MW-10
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.032		0.100	0.130		mg/L		98	75 - 125

Lab Sample ID: 500-95808-16 MSD
Matrix: Water
Analysis Batch: 288317

Client Sample ID: MW-10
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	0.032		0.100	0.130		mg/L		98	75 - 125	0	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-289067/12
Matrix: Water
Analysis Batch: 289067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/15 16:09	1

Lab Sample ID: LCS 500-289067/13
Matrix: Water
Analysis Batch: 289067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.02	0.995		mg/L		98	80 - 120

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-01

Date Collected: 05/11/15 17:00
Date Received: 05/12/15 10:05

Lab Sample ID: 500-95808-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/20/15 23:42	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/27/15 22:39	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 12:55	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 13:35	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:27	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:37		
					(End)	05/18/15 14:37		
Dissolved	Analysis	9038		2	288564		CLB	TAL CHI
					(Start)	05/19/15 07:46		
					(End)	05/19/15 07:47		
Dissolved	Analysis	9251		1	288467	05/17/15 18:00	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 18:47	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 11:39	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287728		LAJ	TAL CHI
					(Start)	05/12/15 16:31		
					(End)	05/12/15 16:32		
Dissolved	Analysis	SM 4500 NO3 F		2	289067	05/21/15 17:22	AJR	TAL CHI

Client Sample ID: MW-06

Date Collected: 05/11/15 14:50
Date Received: 05/12/15 10:05

Lab Sample ID: 500-95808-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 00:07	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/27/15 22:54	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:09	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 13:58	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:29	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:38		
					(End)	05/18/15 14:38		

Client Sample ID: MW-06

Lab Sample ID: 500-95808-2

Date Collected: 05/11/15 14:50

Matrix: Water

Date Received: 05/12/15 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		20	288564		CLB	TAL CHI
					(Start)	05/19/15 07:47		
					(End)	05/19/15 07:48		
Dissolved	Analysis	9251		5	288467	05/17/15 19:20	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 18:50	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 11:42	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287728		LAJ	TAL CHI
					(Start)	05/12/15 16:32		
					(End)	05/12/15 16:33		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:15	AJR	TAL CHI

Client Sample ID: MW-07

Lab Sample ID: 500-95808-3

Date Collected: 05/11/15 15:45

Matrix: Water

Date Received: 05/12/15 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 00:32	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/27/15 23:10	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:11	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		20	289108	05/21/15 12:56	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:03	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:35	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:38		
					(End)	05/18/15 14:39		
Dissolved	Analysis	9038		2	288564		CLB	TAL CHI
					(Start)	05/19/15 07:48		
					(End)	05/19/15 07:49		
Dissolved	Analysis	9251		5	288467	05/17/15 19:22	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 18:52	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 11:44	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287728		LAJ	TAL CHI
					(Start)	05/12/15 16:33		
					(End)	05/12/15 16:33		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:17	AJR	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-08

Date Collected: 05/11/15 13:20
Date Received: 05/12/15 10:05

Lab Sample ID: 500-95808-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 00:57	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/27/15 23:25	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:14	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	289108	05/21/15 12:59	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:22	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:37	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:39		
					(End)	05/18/15 14:39		
Dissolved	Analysis	9038		10	288564		CLB	TAL CHI
					(Start)	05/19/15 07:49		
					(End)	05/19/15 07:50		
Dissolved	Analysis	9251		5	288467	05/17/15 19:22	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 18:55	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 11:47	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287728		LAJ	TAL CHI
					(Start)	05/12/15 16:33		
					(End)	05/12/15 16:34		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:20	AJR	TAL CHI

Client Sample ID: MW-09

Date Collected: 05/12/15 12:10
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 01:22	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/27/15 23:41	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:25	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:26	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:39	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:39		
					(End)	05/18/15 14:40		

Client Sample ID: MW-09

Date Collected: 05/12/15 12:10
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		10	288564		CLB	TAL CHI
					(Start)	05/19/15 07:50		
					(End)	05/19/15 07:51		
Dissolved	Analysis	9251		1	288467	05/17/15 18:09	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 18:57	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 11:50	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287912		LAJ	TAL CHI
					(Start)	05/13/15 17:45		
					(End)	05/13/15 17:46		
Dissolved	Analysis	SM 4500 NO3 F		10	289067	05/21/15 17:52	AJR	TAL CHI

Client Sample ID: MW-11

Date Collected: 05/12/15 14:00
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 01:47	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 00:27	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:27	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		20	289108	05/21/15 13:02	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:31	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:40	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:40		
					(End)	05/18/15 14:40		
Dissolved	Analysis	9038		4	288718		CLB	TAL CHI
					(Start)	05/20/15 07:42		
					(End)	05/20/15 07:43		
Dissolved	Analysis	9251		1	288467	05/17/15 18:10	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:00	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:02	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287912		LAJ	TAL CHI
					(Start)	05/13/15 17:46		
					(End)	05/13/15 17:47		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:39	AJR	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-12

Lab Sample ID: 500-95808-7

Date Collected: 05/12/15 15:50

Matrix: Water

Date Received: 05/13/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 02:12	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 00:42	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:30	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	289108	05/21/15 13:04	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:36	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:42	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:41		
					(End)	05/18/15 14:41		
Dissolved	Analysis	9038		20	288718		CLB	TAL CHI
					(Start)	05/20/15 07:43		
					(End)	05/20/15 07:44		
Dissolved	Analysis	9251		5	288467	05/17/15 19:23	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:02	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:04	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287912		LAJ	TAL CHI
					(Start)	05/13/15 17:47		
					(End)	05/13/15 17:47		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:41	AJR	TAL CHI

Client Sample ID: MW-16

Lab Sample ID: 500-95808-8

Date Collected: 05/12/15 09:10

Matrix: Water

Date Received: 05/13/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 02:37	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 00:58	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:33	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:40	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:50	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:41		
					(End)	05/18/15 14:42		

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-16

Date Collected: 05/12/15 09:10
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		2	288718		CLB	TAL CHI
					(Start)	05/20/15 07:44		
					(End)	05/20/15 07:45		
Dissolved	Analysis	9251		1	288467	05/17/15 18:12	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:05	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287912		LAJ	TAL CHI
					(Start)	05/13/15 17:47		
					(End)	05/13/15 17:47		
Dissolved	Analysis	SM 4500 NO3 F		20	289067	05/21/15 17:53	AJR	TAL CHI

Client Sample ID: DUPLICATE

Date Collected: 05/12/15 00:00
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95808-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 03:01	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 01:13	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:35	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:45	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:52	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:42		
					(End)	05/18/15 14:42		
Dissolved	Analysis	9038		2	288718		CLB	TAL CHI
					(Start)	05/20/15 07:47		
					(End)	05/20/15 07:48		
Dissolved	Analysis	9251		1	288467	05/17/15 18:13	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:19	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:07	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:30	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	287912		LAJ	TAL CHI
					(Start)	05/13/15 17:47		
					(End)	05/13/15 17:48		
Dissolved	Analysis	SM 4500 NO3 F		20	289067	05/21/15 17:53	AJR	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-02

Date Collected: 05/13/15 09:20
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 03:26	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 01:29	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:38	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:50	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 09:58	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:42		
					(End)	05/18/15 14:43		
Dissolved	Analysis	9038		2	288718		CLB	TAL CHI
					(Start)	05/20/15 07:48		
					(End)	05/20/15 07:49		
Dissolved	Analysis	9251		5	288467	05/17/15 19:23	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:10	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:42	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288099		LAJ	TAL CHI
					(Start)	05/14/15 17:26		
					(End)	05/14/15 17:27		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:47	AJR	TAL CHI

Client Sample ID: MW-03

Date Collected: 05/13/15 10:50
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 03:51	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 01:44	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:41	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:54	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 10:00	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:43		
					(End)	05/18/15 14:43		

Client Sample ID: MW-03

Date Collected: 05/13/15 10:50
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		2	288718		CLB	TAL CHI
					(Start)	05/20/15 07:49		
					(End)	05/20/15 07:50		
Dissolved	Analysis	9251		1	288467	05/17/15 18:14	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:12	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:45	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288099		LAJ	TAL CHI
					(Start)	05/14/15 17:27		
					(End)	05/14/15 17:28		
Dissolved	Analysis	SM 4500 NO3 F		2	289067	05/21/15 17:26	AJR	TAL CHI

Client Sample ID: MW-04

Date Collected: 05/13/15 12:40
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 04:16	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 02:00	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:43	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 14:59	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 10:02	RLL	TAL CHI
Dissolved	Prep	9010B			288400	05/18/15 12:05	ELR	TAL CHI
Dissolved	Analysis	9014		1	288495		ELR	TAL CHI
					(Start)	05/18/15 14:43		
					(End)	05/18/15 14:44		
Dissolved	Analysis	9038		4	288718		CLB	TAL CHI
					(Start)	05/20/15 07:50		
					(End)	05/20/15 07:51		
Dissolved	Analysis	9251		1	288467	05/17/15 18:14	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:15	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:47	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288099		LAJ	TAL CHI
					(Start)	05/14/15 17:28		
					(End)	05/14/15 17:28		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:50	AJR	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-05

Date Collected: 05/13/15 14:40
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 04:41	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 02:15	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:46	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 15:04	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 10:04	RLL	TAL CHI
Dissolved	Prep	9010B			288485	05/18/15 15:30	ELR	TAL CHI
Dissolved	Analysis	9014		1	288512		ELR	TAL CHI
					(Start)	05/18/15 17:51		
					(End)	05/18/15 17:51		
Dissolved	Analysis	9038		10	288718		CLB	TAL CHI
					(Start)	05/20/15 07:51		
					(End)	05/20/15 07:52		
Dissolved	Analysis	9251		5	288467	05/17/15 19:24	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:17	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:50	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288099		LAJ	TAL CHI
					(Start)	05/14/15 17:28		
					(End)	05/14/15 17:29		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:51	AJR	TAL CHI

Client Sample ID: MW-13

Date Collected: 05/13/15 16:10
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 05:06	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 03:17	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 13:49	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		10	288909	05/20/15 15:22	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	289108	05/21/15 13:07	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		2	289108	05/21/15 13:16	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 15:22	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 10:06	RLL	TAL CHI

Client Sample ID: MW-13

Date Collected: 05/13/15 16:10
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	9010B			288485	05/18/15 15:30	ELR	TAL CHI
Dissolved	Analysis	9014		1	288512		ELR	TAL CHI
					(Start)	05/18/15 17:52		
					(End)	05/18/15 17:53		
Dissolved	Analysis	9038		50	288718		CLB	TAL CHI
					(Start)	05/20/15 07:54		
					(End)	05/20/15 07:55		
Dissolved	Analysis	9251		5	288467	05/17/15 19:26	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:20	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:53	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288099		LAJ	TAL CHI
					(Start)	05/14/15 17:29		
					(End)	05/14/15 17:29		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:54	AJR	TAL CHI

Client Sample ID: MW-14

Date Collected: 05/13/15 17:20
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 05:31	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 03:48	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 14:00	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		5	288909	05/20/15 15:23	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	289108	05/21/15 13:30	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		2	289108	05/21/15 13:32	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 15:27	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 10:08	RLL	TAL CHI
Dissolved	Prep	9010B			288485	05/18/15 15:30	ELR	TAL CHI
Dissolved	Analysis	9014		1	288512		ELR	TAL CHI
					(Start)	05/18/15 17:53		
					(End)	05/18/15 17:53		
Dissolved	Analysis	9038		50	288718		CLB	TAL CHI
					(Start)	05/20/15 07:55		
					(End)	05/20/15 07:56		
Dissolved	Analysis	9251		5	288467	05/17/15 19:26	HMW	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-14

Date Collected: 05/13/15 17:20
Date Received: 05/14/15 09:40

Lab Sample ID: 500-95808-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:22	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:55	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288099		LAJ	TAL CHI
					(Start)	05/14/15 17:29		
					(End)	05/14/15 17:30		
Dissolved	Analysis	SM 4500 NO3 F		2	289067	05/21/15 17:27	AJR	TAL CHI

Client Sample ID: MW-10

Date Collected: 05/14/15 12:18
Date Received: 05/15/15 07:30

Lab Sample ID: 500-95808-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 05:56	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 02:31	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 14:02	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288909	05/20/15 15:24	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	289108	05/21/15 13:59	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 15:32	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 10:10	RLL	TAL CHI
Dissolved	Prep	9010B			288485	05/18/15 15:30	ELR	TAL CHI
Dissolved	Analysis	9014		1	288512		ELR	TAL CHI
					(Start)	05/18/15 17:53		
					(End)	05/18/15 17:53		
Dissolved	Analysis	9038		2	288718		CLB	TAL CHI
					(Start)	05/20/15 07:56		
					(End)	05/20/15 07:57		
Dissolved	Analysis	9251		1	288467	05/17/15 18:19	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:25	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 12:58	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288317		LAJ	TAL CHI
					(Start)	05/16/15 09:37		
					(End)	05/16/15 09:38		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:56	AJR	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Client Sample ID: MW-15

Date Collected: 05/14/15 10:10
Date Received: 05/15/15 07:30

Lab Sample ID: 500-95808-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/21/15 06:21	TCT	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/28/15 04:19	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288535	05/18/15 14:05	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		5	288909	05/20/15 15:25	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	289108	05/21/15 14:05	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			288223	05/15/15 11:10	MJP	TAL CHI
Dissolved	Analysis	6020A		1	288542	05/18/15 15:36	MJP	TAL CHI
Dissolved	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	288447	05/18/15 10:12	RLL	TAL CHI
Dissolved	Prep	9010B			288485	05/18/15 15:30	ELR	TAL CHI
Dissolved	Analysis	9014		1	288512		ELR	TAL CHI
					(Start)	05/18/15 17:53		
					(End)	05/18/15 17:54		
Dissolved	Analysis	9038		50	289385		CLB	TAL CHI
					(Start)	05/26/15 05:13		
					(End)	05/26/15 05:14		
Dissolved	Analysis	9251		5	288467	05/17/15 19:28	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	288619	05/22/15 12:22	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	288322	05/16/15 19:27	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	288640	05/19/15 13:01	AJR	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	288317		LAJ	TAL CHI
					(Start)	05/16/15 09:37		
					(End)	05/16/15 09:37		
Dissolved	Analysis	SM 4500 NO3 F		1	289067	05/21/15 16:57	AJR	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 05/11/15 00:00
Date Received: 05/15/15 07:30

Lab Sample ID: 500-95808-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	288836	05/20/15 22:52	TCT	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95808-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	10-31-15
Louisiana	NELAP	6	30612	06-30-15
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
New York	NELAP	2	11666	04-01-16
Oregon	NELAP	10	CA200005	01-29-16
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-16
Texas	NELAP	6	T104704399-08-TX	05-31-16
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chica(
2417 Bond St.
University Park, IL 60
708-534-5200
Fax. 708-534-5211

500-95808 COC

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Lab Lot # 500-95808

Package Sealed: Yes (No) — Samples Sealed: Yes (No)

Received on Ice: (Yes) No — Samples Intact: (Yes) No N/A

Temperature °C of Cooler: 0.8

Sampler Name:	Client Project #	Refrg #
Ian John Howieson	12313.1	# / Cont.
Project Name:	TestAmerica Project Number:	Volume
Powerton Station Ash Ponds	50008027	Preserv.
Project Location:	Date Required	
Pekin, IL	Hard Copy: ____/____/____	
Lab PM: Bonnie Stadelmann	Fax: ____/____/____	

Within Hold Time: (Yes) No — Preserv. Indicated: Yes No (N/A)

pH Check OK: (Yes) No — Res CL_2 Check OK: Yes No (N/A)

Sample Labels and COC Agree: (Yes) No — COC not present

Laboratory ID	MS MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Containers	NO2	Additional Analyses / Remarks
1		MW-01	5/11/2015	17:00	W	1	X	
2		MW-06	5/11/2015	14:50	W	1	X	
3		MW-07	5/11/2015	15:45	W	1	X	
4		MW-08	5/11/2015	13:20	W	1	X	

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
	KPRG	5-11-15	17:50	FEDEX			
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
					TA-CHI	5/12/15	1005

Matrix Key

WW = Wastewater	SE = Sediment
W = Water	SO = Solid
S = Soil	DL = Drum Liquid
SL = Sludge	DS = Drum Solid
MS = Miscellaneous	L = Leachate
OL = Oil	W = Wipe
A = Air	O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received ____/____/____

Courier:

Hand Delivered ☐

Bill of Lading:

PAGE ___1__of___1__

STL-8208 (0600) MWG13-15_49934

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
2417 Bond St.
University Park, IL 60
708-534-5200
Fax. 708-534-5211 500-95808 COC

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Lab Lot # 500-95808

Package Sealed: (Yes) No — Samples Sealed: Yes (No)

Received on Ice: (Yes) No — Samples Intact: (Yes) No N/A

Temperature °C of Cooler: 2.4

Within Hold Time: (Yes) No — Preserv. Indicated: Yes No (N/A)

pH Check OK: Yes (No) — Res CL_2 Check OK: Yes No (N/A)

Sample Labels and COC Agree: (Yes) No — COC not present

Sampler Name:	Client Project #	Refrg #
Ian John Howleson	12313.1	# / Cont.
Project Name:	**TestAmerica Project Number:**	**Volume**
Powerton Station Ash Ponds	50008027	**Preserv.**
Project Location:	**Date Required**	
Pekin, IL	Hard Copy: ___/___/___	
Lab PM: Bonnie Stadelmann	Fax: ___/___/___	

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Containers	NO?
5		MW-09	5/12/2015	12:10	W	1	X
6		MW-11	5/12/2015	14:00	W	1	X
7		MW-12	5/12/2015	15:50	W	1	X
8		MW-16	5/12/2015	9:10	W	1	X
9		DUPLICATE	5-12-15	←	W	1	X

Additional Analyses / Remarks

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
[signature]	KPRG	5-12-15	18:10	FEDEX			
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY: [signature]	COMPANY: TA-Ft	DATE: 5/13/15	TIME: 0940

Matrix Key

WW = Wastewater	SE = Sediment
W = Water	SO = Solid
S = Soil	DL = Drum Liquid
SL = Sludge	DS = Drum Solid
MS = Miscellaneous	L = Leachate
OL = Oil	W = Wipe
A = Air	O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received ___/___/___

Courier:

Hand Delivered ☐

Bill of Lading:

PAGE 1 of 2

STL-8208 (0600)

MWG13-15_49935 5/28/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chica
2417 Bond St.
University Park, IL 6
708-534-5200
Fax. 708-534-5211

500-95808 COC

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Lab Lot # 500-95808

Package Sealed: Yes / No — Samples Sealed: Yes / No
Received on Ice: Yes / No — Samples Intact: Yes / No / N/A
Temperature °C of Cooler: 3.7

Sampler Name:	Client Project #	Refrg #	Within Hold Time	Preserv. Indicated
Ian John Howieson	12313.1	# / Cont.	Yes / No	Yes / No / N/A
Project Name:	**TestAmerica Project Number:**	**Volume**	**pH Check OK**	**Res CL_2 Check OK**
Powerton Station Ash Ponds	50008027	**Preserv.**	Yes / No	Yes / No / N/A
Project Location:	**Date Required**		**Sample Labels and COC Agree**	
Pek n, IL	Hard Copy: ___/___/___		Yes / No — COC not present	
Lab PM: Bonnie Stadelmann	Fax: ___/___/___			

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Containers	NO2	Additional Analyses / Remarks
10		MW-02	5/13/2015	9:20	W	1	X	
11		MW-03	5/13/2015	10:50	W	1	X	
12		MW-04	5/13/2015	12:40	W	1	X	
13		MW-05	5/13/2015	14:40	W	1	X	
14		MW-13	5/13/2015	16:10	W	1	X	
15		MW-14	5/13/2015	17:20	W	1	X	

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
	KPRG	5-13-15	18:30	FEDEX			
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
					TA-CHI	5/14/15	0940

Matrix Key
WW = Wastewater; W = Water; S = Soil; SL = Sludge; MS = Miscellaneous; OL = Oil; A = Air; SE = Sediment; SO = Solid; DL = Drum Liquid; DS = Drum Solid; L = Leachate; W = Wipe; O = _____

Container Key
1. Plastic; 2. VOA Vial; 3. Sterile Plastic; 4. Amber Glass; 5. Widemouth Glass; 6. Other _____

Preservative Key
1. HCl, Cool to 4°; 2. H_2SO_4, Cool to 4°; 3. HNO_3, Cool to 4°; 4. NaOH, Cool to 4°; 5. NaOH/Zn, Cool to 4°; 6. Cool to 4°; 7. None

COMMENTS:

Date Received ___/___/___
Courier:
Hand Delivered
Bill of Lading:
PAGE 1 of 1

STL-9208 (0600) MWG13-15_49936

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicag
2417 Bond St.
University Park, IL 60
708-534-5200
Fax. 708-534-5211

500-95808 COC

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Lab Lot #: 500-95808

Package Sealed: Yes / No — Samples Sealed: Yes / No

Received on Ice: Yes / No — Samples Intact: Yes / No / N/A

Temperature °C of Cooler: 2.8, 2.3, 4.2, 2.7, 2.4, 3.1, 2.3

Within Hold Time: Yes / No — Preserv. Indicated: Yes / No / N/A

pH Check OK: Yes / No — Res CL_2 Check OK: Yes / No / N/A

Sample Labels and COC Agree: Yes / No — COC not present

Sampler Name:	Client Project #	Refrg #													
Ian John Howieson	12313.1	# / Cont.													
Project Name:	TestAmerica Project Number:	Volume													
Powerton Station Ash Ponds	50008027	Preserv.													
Project Location:	Date Required														
Pekin, IL	Hard Copy: ___/___/___														
Lab PM: Bonnie Stadelmann	Fax: ___/___/___														

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# OF Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228		Additional Analyses / Remarks
1		MW-01	5/11/2015	17:00	W	8	X	X	X	X	X	X	X				
10		MW-02	5/13/2015	9:20	W	8	X	X	X	X	X	X	X				
11		MW-03	5/13/2015	10:50	W	8	X	X	X	X	X	x	X				
12		MW-04	5/13/2015	12:40	W	8	X	X	X	X	X	X	X				
13		MW-05	5/13/2015	14:40	W	8	X	X	X	X	X	X	X				
2		MW-06	5/11/2015	14:50	W	8	X	X	X	X	X	X	X				
3		MW-07	5/11/2015	15:45	W	8	X	X	X	X	X	x	X				
4		MW-08	5/11/2015	13:20	W	8	X	X	X	X	X	X	X				
5		MW-09	5/12/2015	12:10	W	20	X	X	X	X	X	X	X	X	X		
16		MW-10	5/14/2015	12:18	W	9	X	X	X	X	X	X	X				
6		MW-11	5/12/2015	14:00	W	20	X	X	X	X	X	X	X	X	X		

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY	DATE:	TIME:
[signature]	KPRG	5-14-15	20:25	[signature]		5/14/15	20:45
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY	DATE:	TIME:
[signature]				[signature]	TA-Chi	5/15/15	0730

Matrix Key

WW = Wastewater	SE = Sediment
W = Water	SO = Solid
S = Soil	DL = Drum Liquid
SL = Sludge	DS = Drum Solid
MS = Miscellaneous	L = Leachate
OL = Oil	W = Wipe
A = Air	O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received ___/___/___

Courier:

Hand Delivered ☐

Bill of Lading:

PAGE ___1___of___3___

STL-8208 (0600) MWG13-15_49937

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
2417 Bond St.
University Park, IL 60484
708-534-5200
Fax. 708-534-5211

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Lab Lot # 500-95808

Package Sealed: (Yes) No — Samples Sealed: Yes (No)
Received on Ice: (Yes) No — Samples Intact: (Yes) No N/A
Temperature °C of Cooler:

Sampler Name:	Client Project #	Refrg #													
Ian John Howieson	12313.1	# / Cont.													
Project Name:	TestAmerica Project Number:	Volume													
Powerton Station Ash Ponds	50008027	Preserv.													
Project Location:	Date Required	Matrix	# OF Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228			
Pekin, IL	Hard Copy: ___/___/___														
Lab PM: Bonnie Stadelmann	Fax: ___/___/___														

Within Hold Time: (Yes) No — Preserv. Indicated: (Yes) No N/A
pH Check OK: (Yes) No — Res CL_2 Check OK: Yes No (N/A)
Sample Labels and COC Agree: (Yes) No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# OF Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228	Additional Analyses / Remarks
7		MW-12	5/12/2015	15:50	W	20	X	X	X	X	X	X	X	X	X	
14		MW-13	5/13/2015	16:10	W	20	X	X	X	X	X	X	X	X	X	
15		MW-14	5/13/2015	17:20	W	20	X	X	X	X	X	x	X	X	X	
17		MW-15	5/14/2015	10:10	W	20	X	X	X	X	X	X	X	X	X	
8		MW-16	5/12/2015	9:10	W	8	X	X	X	X	X	X	X			
9		Duplicate	5/12/2015	NA	W	8	X	X	X	X	X	X	X			
18		Trip Blank	5/11/2015	NA	W	2										

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
	KPRG	5-14-15	20:25			5/14/15	20:25
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
					TA-Chi.	5/15/15	0730

Matrix Key
WW = Wastewater; SE = Sediment; W = Water; SO = Solid; S = Soil; DL = Drum Liquid; SL = Sludge; DS = Drum Solid; MS = Miscellaneous; L = Leachate; OL = Oil; W = Wipe; A = Air; O = _____

Container Key
1. Plastic; 2. VOA Vial; 3. Sterile Plastic; 4. Amber Glass; 5. Widemouth Glass; 6. Other: _____

Preservative Key
1. HCl, Cool to 4°; 2. H_2SO_4, Cool to 4°; 3. HNO_3, Cool to 4°; 4. NaOH, Cool to 4°; 5. NaOH/Zn, Cool to 4°; 6. Cool to 4°; 7. None

COMMENTS:

Date Received ___/___/___
Courier:
Hand Delivered ☐
Bill of Lading:

PAGE ___2___of___3___

STL-6208 (0600) MWG13-15_49938

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-95808-1

Login Number: 95808
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8,,2.4,3.7,,2.8,3.2,3.4,2.7,2.4,3.1,2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-95808-1

Login Number: 95808
List Number: 5
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 05/16/15 03:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	no headspace in 314
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-95874-1
Client Project/Site: Powerton Station Ash Ponds

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 2B
Brookfield, Wisconsin 53005

Attn: Richard Gnat

Authorized for release by:
5/28/2015 4:17:58 PM

Bonnie Stadelmann, Senior Project Manager
(708)534-5200
bonnie.stadelmann@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95874-1

Job ID: 500-95874-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-95874-1

Comments
No additional comments.

Receipt
The samples were received on 5/13/2015 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 2.8° C.

Receipt Exceptions

COC indicates dissolved methods. Per client, samples are for total methods.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method(s) 314.0: The low level check (MRL at 4ppb) associated with batch 75111 was above the upper control limit – indicating a high bias. However, all samples associated with this QC check were non-detect. Additionally, all other quality control checks were in control. Data is being reported: East Yard Run Off, EYRO (500-95874-1), (CCB 320-75111/10), (CCB 320-75111/23), (CCV 320-75111/22), (CCV 320-75111/9), (ICB 320-75111/2), (ICV 320-75111/1), (INF 320-75111/3), (LCS 320-75111/13), (MB 320-75111/12), (MRL 320-75111/5), (500-95874-B-1 MS) and (500-95874-B-1 MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95874-1

Client Sample ID: East Yard Run Off, EYRO

Lab Sample ID: 500-95874-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0030		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.13		0.0025		mg/L	1		6020A	Total Recoverable
Boron	0.40		0.050		mg/L	1		6020A	Total Recoverable
Copper	0.0039		0.0020		mg/L	1		6020A	Total Recoverable
Iron	0.13		0.10		mg/L	1		6020A	Total Recoverable
Lead	0.00083		0.00050		mg/L	1		6020A	Total Recoverable
Manganese	0.020		0.0025		mg/L	1		6020A	Total Recoverable
Nickel	0.0040		0.0020		mg/L	1		6020A	Total Recoverable
Selenium	0.0039		0.0025		mg/L	1		6020A	Total Recoverable
Thallium	0.0048		0.0020		mg/L	1		6020A	Total Recoverable
Vanadium	0.0062		0.0050		mg/L	1		6020A	Total Recoverable
Sulfate	400		100		mg/L	20		9038	Total/NA
Chloride	180		10		mg/L	5		9251	Total/NA
Total Dissolved Solids	910		10		mg/L	1		SM 2540C	Total/NA
Fluoride	0.67		0.10		mg/L	1		SM 4500 F C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95874-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
314.0	Perchlorate (IC)	EPA	TAL SAC
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9038	Sulfate, Turbidimetric	SW846	TAL CHI
9251	Chloride	SW846	TAL CHI
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 NO2 B	Nitrogen, Nitrite	SM	TAL CHI
SM 4500 NO3 F	Nitrogen, Nitrate	SM	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95874-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-95874-1	East Yard Run Off, EYRO	Water	05/12/15 10:30	05/13/15 09:40

Client Sample ID: East Yard Run Off, EYRO

Date Collected: 05/12/15 10:30
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95874-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/15 11:19	1
Toluene	<0.00050		0.00050		mg/L			05/22/15 11:19	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/15 11:19	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/15 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*		*05/22/15 11:19*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/22/15 11:19*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*		*05/22/15 11:19*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/22/15 11:19*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 21:53	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/15 14:30	05/20/15 10:14	1
Arsenic	**0.0030**		0.0010		mg/L		05/19/15 14:30	05/20/15 11:01	1
Barium	**0.13**		0.0025		mg/L		05/19/15 14:30	05/20/15 10:14	1
Beryllium	<0.0010		0.0010		mg/L		05/19/15 14:30	05/20/15 10:14	1
Boron	**0.40**		0.050		mg/L		05/19/15 14:30	05/20/15 15:21	1
Cadmium	<0.00050		0.00050		mg/L		05/19/15 14:30	05/20/15 11:01	1
Chromium	<0.0050		0.0050		mg/L		05/19/15 14:30	05/20/15 10:14	1
Cobalt	<0.0010		0.0010		mg/L		05/19/15 14:30	05/20/15 10:14	1
Copper	**0.0039**		0.0020		mg/L		05/19/15 14:30	05/20/15 11:01	1
Iron	**0.13**		0.10		mg/L		05/19/15 14:30	05/20/15 11:01	1
Lead	**0.00083**		0.00050		mg/L		05/19/15 14:30	05/20/15 10:14	1
Manganese	**0.020**		0.0025		mg/L		05/19/15 14:30	05/20/15 10:14	1
Nickel	**0.0040**		0.0020		mg/L		05/19/15 14:30	05/20/15 10:14	1
Selenium	**0.0039**		0.0025		mg/L		05/19/15 14:30	05/20/15 11:01	1
Silver	<0.00050		0.00050		mg/L		05/19/15 14:30	05/20/15 10:14	1
Thallium	**0.0048**		0.0020		mg/L		05/19/15 14:30	05/20/15 10:14	1
Vanadium	**0.0062**		0.0050		mg/L		05/19/15 14:30	05/20/15 10:14	1
Zinc	<0.020		0.020		mg/L		05/19/15 14:30	05/20/15 10:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:54	1
Sulfate	**400**		100		mg/L			05/19/15 07:36	20
Chloride	**180**		10		mg/L			05/17/15 17:31	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/19/15 12:19	1
Total Dissolved Solids	**910**		10		mg/L			05/16/15 19:45	1
Fluoride	**0.67**		0.10		mg/L			05/19/15 11:06	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:48	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/19/15 14:43	1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Analysis Batch: 289119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	8260B	
LCS 500-289119/3	Lab Control Sample	Total/NA	Water	8260B	
MB 500-289119/5	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 75111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	314.0	
500-95874-1 MS	East Yard Run Off, EYRO	Total/NA	Water	314.0	
500-95874-1 MSD	East Yard Run Off, EYRO	Total/NA	Water	314.0	
LCS 320-75111/13	Lab Control Sample	Total/NA	Water	314.0	
MB 320-75111/12	Method Blank	Total/NA	Water	314.0	
MRL 320-75111/5	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 288205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	7470A	
LCS 500-288205/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-288205/12-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 288447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	7470A	288205
LCS 500-288205/13-A	Lab Control Sample	Total/NA	Water	7470A	288205
MB 500-288205/12-A	Method Blank	Total/NA	Water	7470A	288205

Prep Batch: 288692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total Recoverable	Water	3005A	
LCS 500-288692/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 500-288692/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 288804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total Recoverable	Water	6020A	288692
LCS 500-288692/2-A	Lab Control Sample	Total Recoverable	Water	6020A	288692
MB 500-288692/1-A	Method Blank	Total Recoverable	Water	6020A	288692

Analysis Batch: 288821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total Recoverable	Water	6020A	288692
LCS 500-288692/2-A	Lab Control Sample	Total Recoverable	Water	6020A	288692
MB 500-288692/1-A	Method Blank	Total Recoverable	Water	6020A	288692

Analysis Batch: 288909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total Recoverable	Water	6020A	288692

Metals (Continued)

Analysis Batch: 288909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-288692/2-A	Lab Control Sample	Total Recoverable	Water	6020A	288692
MB 500-288692/1-A	Method Blank	Total Recoverable	Water	6020A	288692

General Chemistry

Analysis Batch: 287912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	SM 4500 NO2 B	
LCS 500-287912/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-287912/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 288323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	SM 2540C	
500-95874-1 DU	East Yard Run Off, EYRO	Total/NA	Water	SM 2540C	
LCS 500-288323/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-288323/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 288341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	9251	
LCS 500-288341/13	Lab Control Sample	Total/NA	Water	9251	
MB 500-288341/12	Method Blank	Total/NA	Water	9251	

Prep Batch: 288485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	9010B	
LCS 500-288485/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-288485/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 288512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	9014	288485
LCS 500-288485/2-A	Lab Control Sample	Total/NA	Water	9014	288485
MB 500-288485/1-A	Method Blank	Total/NA	Water	9014	288485

Analysis Batch: 288564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	9038	
LCS 500-288564/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-288564/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 288619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	Nitrate by calc	

Analysis Batch: 288640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	SM 4500 F C	
LCS 500-288640/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 288640 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-288640/3	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 288676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-95874-1	East Yard Run Off, EYRO	Total/NA	Water	SM 4500 NO3 F	
LCS 500-288676/54	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-288676/53	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Surrogate Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95874-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-95874-1	East Yard Run Off, EYRO	106	97	88	96
LCS 500-289119/3	Lab Control Sample	109	99	92	97
MB 500-289119/5	Method Blank	106	98	94	92

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-289119/5
Matrix: Water
Analysis Batch: 289119

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/15 09:44	1
Toluene	<0.00050		0.00050		mg/L			05/22/15 09:44	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/15 09:44	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/15 09:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*		*05/22/15 09:44*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/22/15 09:44*	*1*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*		*05/22/15 09:44*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*05/22/15 09:44*	*1*

Lab Sample ID: LCS 500-289119/3
Matrix: Water
Analysis Batch: 289119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0485		mg/L		97	75 - 120
Toluene	0.0500	0.0488		mg/L		98	75 - 120
Ethylbenzene	0.0500	0.0503		mg/L		101	75 - 120
Xylenes, Total	0.100	0.0984		mg/L		98	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*
Toluene-d8 (Surr)	*99*		*75 - 120*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*
Dibromofluoromethane	*97*		*75 - 120*

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-75111/12
Matrix: Water
Analysis Batch: 75111

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/27/15 21:22	1

Lab Sample ID: LCS 320-75111/13
Matrix: Water
Analysis Batch: 75111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.0500	0.0510		mg/L		102	85 - 115

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-75111/5
Matrix: Water
Analysis Batch: 75111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	5.14	^	ug/L		128	75 - 125

Lab Sample ID: 500-95874-1 MS
Matrix: Water
Analysis Batch: 75111

Client Sample ID: East Yard Run Off, EYRO
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	<0.0040		0.0500	0.0514		mg/L		103	80 - 120

Lab Sample ID: 500-95874-1 MSD
Matrix: Water
Analysis Batch: 75111

Client Sample ID: East Yard Run Off, EYRO
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	<0.0040		0.0500	0.0490		mg/L		98	80 - 120	5	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-288692/1-A
Matrix: Water
Analysis Batch: 288804

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 288692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/15 14:30	05/20/15 10:05	1
Barium	<0.0025		0.0025		mg/L		05/19/15 14:30	05/20/15 10:05	1
Beryllium	<0.0010		0.0010		mg/L		05/19/15 14:30	05/20/15 10:05	1
Chromium	<0.0050		0.0050		mg/L		05/19/15 14:30	05/20/15 10:05	1
Cobalt	<0.0010		0.0010		mg/L		05/19/15 14:30	05/20/15 10:05	1
Lead	<0.00050		0.00050		mg/L		05/19/15 14:30	05/20/15 10:05	1
Manganese	<0.0025		0.0025		mg/L		05/19/15 14:30	05/20/15 10:05	1
Nickel	<0.0020		0.0020		mg/L		05/19/15 14:30	05/20/15 10:05	1
Silver	<0.00050		0.00050		mg/L		05/19/15 14:30	05/20/15 10:05	1
Thallium	<0.0020		0.0020		mg/L		05/19/15 14:30	05/20/15 10:05	1
Vanadium	<0.0050		0.0050		mg/L		05/19/15 14:30	05/20/15 10:05	1
Zinc	<0.020		0.020		mg/L		05/19/15 14:30	05/20/15 10:05	1

Lab Sample ID: MB 500-288692/1-A
Matrix: Water
Analysis Batch: 288821

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 288692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		05/19/15 14:30	05/20/15 10:56	1
Cadmium	<0.00050		0.00050		mg/L		05/19/15 14:30	05/20/15 10:56	1
Copper	<0.0020		0.0020		mg/L		05/19/15 14:30	05/20/15 10:56	1
Iron	<0.10		0.10		mg/L		05/19/15 14:30	05/20/15 10:56	1
Selenium	<0.0025		0.0025		mg/L		05/19/15 14:30	05/20/15 10:56	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-288692/1-A
Matrix: Water
Analysis Batch: 288909

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 288692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		05/19/15 14:30	05/20/15 15:19	1

Lab Sample ID: LCS 500-288692/2-A
Matrix: Water
Analysis Batch: 288804

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 288692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.535		mg/L		107	80 - 120
Barium	0.500	0.505		mg/L		101	80 - 120
Beryllium	0.0500	0.0532		mg/L		106	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.530		mg/L		106	80 - 120
Lead	0.100	0.0977		mg/L		98	80 - 120
Manganese	0.500	0.507		mg/L		101	80 - 120
Nickel	0.500	0.505		mg/L		101	80 - 120
Silver	0.0500	0.0511		mg/L		102	80 - 120
Thallium	0.100	0.0964		mg/L		96	80 - 120
Vanadium	0.500	0.499		mg/L		100	80 - 120
Zinc	0.500	0.545		mg/L		109	80 - 120

Lab Sample ID: LCS 500-288692/2-A
Matrix: Water
Analysis Batch: 288821

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 288692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.106		mg/L		106	80 - 120
Cadmium	0.0500	0.0543		mg/L		109	80 - 120
Copper	0.250	0.268		mg/L		107	80 - 120
Iron	1.00	0.984		mg/L		98	80 - 120
Selenium	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: LCS 500-288692/2-A
Matrix: Water
Analysis Batch: 288909

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 288692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.06		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-288205/12-A
Matrix: Water
Analysis Batch: 288447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/15/15 11:00	05/18/15 09:23	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-288205/13-A
Matrix: Water
Analysis Batch: 288447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00207		mg/L		103	80 - 120

Method: 9014 - Cyanide

Lab Sample ID: MB 500-288485/1-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/18/15 15:30	05/18/15 17:50	1

Lab Sample ID: LCS 500-288485/2-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.100		mg/L		100	80 - 120

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-288564/3
Matrix: Water
Analysis Batch: 288564

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/19/15 07:33	1

Lab Sample ID: LCS 500-288564/4
Matrix: Water
Analysis Batch: 288564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	19.1		mg/L		96	80 - 120

Method: 9251 - Chloride

Lab Sample ID: MB 500-288341/12
Matrix: Water
Analysis Batch: 288341

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			05/17/15 17:06	1

Method: 9251 - Chloride (Continued)

Lab Sample ID: LCS 500-288341/13
Matrix: Water
Analysis Batch: 288341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.7		mg/L		101	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-288323/1
Matrix: Water
Analysis Batch: 288323

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			05/16/15 19:30	1

Lab Sample ID: LCS 500-288323/2
Matrix: Water
Analysis Batch: 288323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	246		mg/L		98	80 - 120

Lab Sample ID: 500-95874-1 DU
Matrix: Water
Analysis Batch: 288323

Client Sample ID: East Yard Run Off, EYRO
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	910		908		mg/L		0.2	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-288640/3
Matrix: Water
Analysis Batch: 288640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/19/15 10:52	1

Lab Sample ID: LCS 500-288640/4
Matrix: Water
Analysis Batch: 288640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.5		mg/L		105	80 - 120

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-287912/3
Matrix: Water
Analysis Batch: 287912

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/13/15 17:40	1

Lab Sample ID: LCS 500-287912/4
Matrix: Water
Analysis Batch: 287912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.103		mg/L		103	80 - 120

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-288676/53
Matrix: Water
Analysis Batch: 288676

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/19/15 14:24	1

Lab Sample ID: LCS 500-288676/54
Matrix: Water
Analysis Batch: 288676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.02	1.13		mg/L		111	80 - 120

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95874-1

Client Sample ID: East Yard Run Off, EYRO

Date Collected: 05/12/15 10:30
Date Received: 05/13/15 09:40

Lab Sample ID: 500-95874-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	289119	05/22/15 11:19	PMF	TAL CHI
Total/NA	Analysis	314.0		1	75111	05/27/15 21:53	JCB	TAL SAC
Total Recoverable	Prep	3005A			288692	05/19/15 14:30	PJH	TAL CHI
Total Recoverable	Analysis	6020A		1	288821	05/20/15 11:01	MJP	TAL CHI
Total Recoverable	Prep	3005A			288692	05/19/15 14:30	PJH	TAL CHI
Total Recoverable	Analysis	6020A		1	288909	05/20/15 15:21	MJP	TAL CHI
Total Recoverable	Prep	3005A			288692	05/19/15 14:30	PJH	TAL CHI
Total Recoverable	Analysis	6020A		1	288804	05/20/15 10:14	MJP	TAL CHI
Total/NA	Prep	7470A			288205	05/15/15 11:00	RLL	TAL CHI
Total/NA	Analysis	7470A		1	288447	05/18/15 10:14	RLL	TAL CHI
Total/NA	Prep	9010B			288485	05/18/15 15:30	ELR	TAL CHI
Total/NA	Analysis	9014		1	288512		ELR	TAL CHI
					(Start)	05/18/15 17:54		
					(End)	05/18/15 17:54		
Total/NA	Analysis	9038		20	288564		CLB	TAL CHI
					(Start)	05/19/15 07:36		
					(End)	05/19/15 07:37		
Total/NA	Analysis	9251		5	288341	05/17/15 17:31	HMW	TAL CHI
Total/NA	Analysis	Nitrate by calc		1	288619	05/19/15 12:19	AJR	TAL CHI
Total/NA	Analysis	SM 2540C		1	288323	05/16/15 19:45	CLB	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	288640	05/19/15 11:06	AJR	TAL CHI
Total/NA	Analysis	SM 4500 NO2 B		1	287912		LAJ	TAL CHI
					(Start)	05/13/15 17:48		
					(End)	05/13/15 17:49		
Total/NA	Analysis	SM 4500 NO3 F		1	288676	05/19/15 14:43	AJR	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station Ash Ponds

TestAmerica Job ID: 500-95874-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	10-31-15
Louisiana	NELAP	6	30612	06-30-15
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
New York	NELAP	2	11666	04-01-16
Oregon	NELAP	10	CA200005	01-29-16
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-16
Texas	NELAP	6	T104704399-08-TX	05-31-16
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicar
2417 Bond St.
University Park, IL 6(
708-534-5200
Fax. 708-534-5211

500-95874 COC

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Lab Lot # 500-95874

Package Sealed: Yes / No	Samples Sealed: Yes / No
Received on Ice: Yes / No	Samples Intact: Yes / No / N/A
Temperature °C of Cooler: 2L	
Within Hold Time: Yes / No	Preserv. Indicated: Yes / No / N/A
pH Check OK: Yes / No	Res CL_2 Check OK: Yes / No / N/A
Sample Labels and COC Agree: Yes / No / COC not present	

Sampler Name: Ian John Howieson	Client Project # 12313.1	Refrg #	
		# / Cont.	
Project Name: Powerton Station Ash Ponds	TestAmerica Project Number: 50008027	Volume	
		Preserv.	
Project Location: Pekin, IL	Date Required Hard Copy: ____/____/____		
Lab PM: Bonnie Stadelmann	Fax: ____/____/____		

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Containers	NO2	Additional Analyses / Remarks
1		East Yard Run Off, EYRO	5/12/2015	10:30	W	1	X	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	KPRG	5-12-15	18:10	FEDEX			
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
				[signature] Scott	TA-CHI	5/13/15	0940

Matrix Key

WW = Wastewater	SE = Sediment
W = Water	SO = Solid
S = Soil	DL = Drum Liquid
SL = Sludge	DS = Drum Solid
MS = Miscellaneous	L = Leachate
OL = Oil	W = Wipe
A = Air	O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received ____/____/____

Courier:

Hand Delivered ☐

Bill of Lading:

PAGE 2 of 2

STL-8208 (0600)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
2417 Bond St.
University Park, IL 6048
708-534-5200
Fax. 708-534-5211

500-95874 COC

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Lab Lot # 500-95874

Package Sealed: Yes / No	Samples Sealed: Yes / No
Received on Ice: Yes / No	Samples Intact: Yes / No / N/A
Temperature °C of Cooler: 2.8	
Within Hold Time: Yes / No	Preserv. Indicated: Yes / No / N/A
pH Check OK: Yes / No	Res CL_2 Check OK: Yes / No / N/A
Sample Labels and COC Agree: Yes / No / COC not present	

Sampler Name: Ian John Howieson	Client Project # 12313.1	Refrg #	
		# / Cont.	
Project Name: Powerton Station Ash Ponds	TestAmerica Project Number: 50008027	Volume	
		Preserv.	
Project Location: Pekin, IL	Date Required Hard Copy: ___/___/___		
Lab PM: Bonnie Stadelmann	Fax: ___/___/___		

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# OF Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228		Additional Analyses / Remarks
1		EAST YARD RUN OFF	5/12/2015	10:30	W	8	X	X	X	X	X	X	X				

RELINQUISHED BY:	COMPANY: KPRG	DATE: 5-14-15	TIME: 20:25	RECEIVED BY:	COMPANY:	DATE: 5/14/15	TIME: 20:25
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY: TA-CHI	DATE: 5/15/15	TIME: 0730

Matrix Key

WW = Wastewater	SE = Sediment
W = Water	SO = Solid
S = Soil	DL = Drum Liquid
SL = Sludge	DS = Drum Solid
MS = Miscellaneous	L = Leachate
OL = Oil	W = Wipe
A = Air	O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received ___/___/___

Courier:

Hand Delivered ☐

Bill of Lading:

PAGE 3 of 3

STL-8208 (0600) MWG13-15_49962 5/28/2015

Buckley, Paula

From: Stadelmann, Bonnie
Sent: Friday, May 15, 2015 10:37 AM
To: Buckley, Paula
Subject: FW: TestAmerica report files from 500-95874-1 Powerton Station Ash Ponds

From: Howieson, Ian John [mailto:tech@howieson.net]
Sent: Friday, May 15, 2015 9:42 AM
To: Stadelmann, Bonnie
Subject: Re: TestAmerica report files from 500-95874-1 Powerton Station Ash Ponds

Bonnie,
Thank you for bringing this to my attention, please accept this email as an amendment to the current submitted signed COC, and continue to test parameters based on our previous submitted COC's.
My apologies for the mix up, and thank you for your diligence.

On Friday, May 15, 2015, Stadelmann, Bonnie <bonnie.stadelmann@testamericainc.com> wrote:

Hello,

Attached please find the report files for job 500-95874-1; Powerton Station Ash Ponds

Please feel free to contact me if you have any questions.

Thank you.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

BONNIE M STADELMANN
Senior Project Manager

TestAmerica Chicago
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 708.534.5200
www.testamericainc.com

Reference: [229981]
Attachments: 1

--
Thanks,
Ian John Howieson
Environmental Technician
1-630-290-6850 - Cell

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Stadelmann, Bonnie M	Carrier Tracking No(s):	COC No: 500-61457 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bonnie.stadelmann@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 500-95874-1
Address: 880 Riverside Parkway,	Due Date Requested: 5/26/2015			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Powerton Station Ash Ponds	Project #: 50008027			
Site: Ian John Howleson	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wastewater, Sediment, Drinking Water, Air, etc.)	Field Filtered Sample (Yes or No)	314.0/ Perchlorate	Total Number of containers	Special Instructions/Note:
			Preservation Code:					
East Yard Run Off, EYRO (500-95874-1)	5/12/15	10.30 Central		Water		X	1	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)
	Other:

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 05/15/15 1500	Company: TAL	Received by:	Date/Time: 5-16-15 1315	Company: TALS
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: ∆ Yes ∆ No | Custody Seal No.: 512281 | Cooler Temperature(s) °C and Other Remarks: 3.1°C

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5/28/2015

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-95874-1

Login Number: 95874
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4,2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-95874-1

Login Number: 95874
List Number: 2
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 05/16/15 03:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	no headspace in 314
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	