We Energies
333 W. Everett St.
Milwaukee, WI 53203
www.we-energies.com

September 6, 2024

Ms. Alicia Zewicki
Wisconsin Department of Natural Resources
141 NW Barstow Street, Room 180
Waukesha, WI 53188

via electronic submittal

RE: PLAN OF OPERATION MODIFICATION; REVISED SUBMITTAL WE ENERGIES PLEASANT PRAIRIE POWER PLANT (PPPP) ASH LANDFILL. LICENSE #2786 - FID# 230056310

Dear Ms. Zewicki:

Please find enclosed an updated Plan of Operation Modification (POM) for the We Energies Pleasant Prairie Power Plant (PPPP) Ash Landfill (License #2786) referenced above.

On August 1, 2022, the Wisconsin Department of Natural Resources (WDNR) updated Wisconsin Administrative Code (Wis. Adm. Code) NR 500 to include changes to new and existing Coal Combustion Residual (CCR) Landfills in Wisconsin. On January 31, 2023, an updated POM was prepared for this CCR landfill and submitted to the WDNR as required in NR 514.045.

Since the January 31, 2023 POM submittal, the WDNR has provided two Incompleteness Determination letters regarding the contents of the documents. The responses were dated April 28, 2023 and March 12, 2024, respectively.

To ensure an accurate record of the POM issues and concerns raised by the Department and addressed herein by our consultants, GEI Consultants, Inc. (GEI) and Ramboll Americas Engineering Solutions, Inc. (Ramboll), I am electronically providing the following two documents (attached as Sections 1 and 2).

1. This section includes the March 12, 2024 WDNR Incompleteness Determination letter. In addition, it also includes the responses prepared by a) Ramboll regarding groundwater sampling issues and questions concerning removal of molybdenum from future sampling events raised by the Department and b) GEI's summary of the chronological listing of all departmental approvals.

2. This section includes the revised POM dated December 15, 2023.
This document was updated to include baseline groundwater data and address other concerns expressed in the Department's April 28, 2023 Incompleteness Determination letter. The December 15, 2023 POM was a complete revision/update of the original January 31, 2023 POM document.

Please contact me at 414.221.2457 or eric.kovatch@wecenergygroup.com with any questions.

Sincerely,

Eric P. Kovatch
Facility Manager – Senior Environmental Consultant

cc: Mark Peters (WDNR)
Eric Tlachac & Nate Keller (Ramboll)
John Trast & Andrew Schwoerer (GEI)

Attachments (identified above):
Section 1: Response to March 12, 2024 WDNR Incompleteness Determination letter.
Section 2: December 15, 2023 Plan of Operation Modification,
We Energies Pleasant Prairie Power Plant (PPPP) Ash Landfill

[File:\2024-09-06 PPPP Plan of Operation Mod_Submittal Cover Letter]

ATTACHMENT - SECTION 1

RESPONSE TO MARCH 12, 2024
WDNR INCOMPLETENESS DETERMINATION LETTER.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Waukesha Service Center
141 NW Barstow St. Room 180
Waukesha, WI 53188

Tony Evers, Governor

Telephone 608-266-2621
Toll Free 1-888-936-7463
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March 12, 2024

FID # 230056310
Kenosha County
SW/Correspondence

Mr. Eric Kovatch
We Energies
333 W. Everett Street
Milwaukee, WI 53203

Subject: Incompleteness Determination for the Plan of Operation Approval Modification for Initial Permitting of Coal Combustion Residuals (CCR) Landfill for the We Energies Pleasant Prairie Power Plant Landfill (License #2786)

Dear Mr. Kovatch:

The Department of Natural Resources (department) has reviewed for completeness the plan of operation modification for initial permitting of a CCR Landfill ("the plan"), submitted on behalf of We Energies, by GEI Consultants, Inc. (GEI) and Ramboll Americas Engineering Solutions, Inc. (Ramboll) for Pleasant Prairie Power Plant Landfill. The plan includes a report and set of plan sheets titled: "We Energies Pleasant Prairie Power Plant Ash Landfill, License #2786 – FID #230056310, Plan of Operation Modification", dated and received by the department on January 31, 2023. The department deemed the submittal incomplete and sent an incompleteness letter dated April 28, 2023. GEI and Ramboll submitted on behalf of We Energies an addendum titled: "Updated Plan of Operation Modification, We Energies Pleasant Prairie Power Plant (PPPP) Landfill, License #2786 – FID #230056310" dated and received December 15, 2023.

The department has determined the plan is not complete since the minimum requirements of chs. NR 500 to 520, Wis. Adm. Code have not been met in accordance with s. NR 514.045, Wis. Adm. Code. The department understands the complexity of the new CCR rules and its implementation and will be available to discuss the following items while you work to prepare the addenda to your initial submittal.

The following information must be provided in order for the department to issue a determination that the plan is complete:

1. **Sections NR 507.15(3)(i) and NR 507.18(5), Wis. Adm. Code:** The following actions are needed to complete compliance with these sections.
   a. Identify any additional preventive action limits (PALs), alternative concentration limit (ACLs) and exemption requests needed based on the most recent baseline monitoring . Provide calculations of proposed PALs and ACLs as needed.
   b. Provide additional information regarding the exemption requests included in Section 4.6 of the Environmental Sampling and Analysis Plan Addendum (Appendix O of the December 15, 2023 submittal). The information needed is as follows:
      i. The exceedance type for each exemption requested (PAL or ES).
      ii. A discussion of why the exemptions are warranted that satisfies the requirements of s. NR 140.28(2) through (4), Wis. Adm. Code. For example, discussion of exceedances attributed to background conditions may include, but not necessarily be limited to, discussion of upgradient vs. downgradient concentrations, the geological environment in

which the monitoring wells are screened, and position of the wells (depth and distance) relative to the landfill.

2. Provide additional information to support the request to remove molybdenum from the environmental monitoring program. The additional information should include data to demonstrate that molybdenum comes from a non-landfill source and discussion of the geology, well depth and position, correlation of molybdenum concentration trends with other parameters, and/or portions of regional molybdenum studies that are relevant to this landfill.

3. Provide a chronological listing of all department approvals since 1978, including expedited plan modifications, along with a listing of their approval conditions, indicating the status (active, completed or superseded) of each condition.

This incompleteness determination is not a denial of the plan, but merely indicates that additional information is needed for the department to determine the plan is complete. Submittal of this information does not ensure approval, nor does it preclude the department from requiring additional information if continued review indicates it is needed.

If you have any question regarding this letter, please contact Alicia Zewicki at (262) 336-3071 or email at Alicia.Zewicki@wisconsin.gov or Mark Peters at (608) 516-0820 or email at Mark.Peters@wisconsin.gov.

Sincerely,

James C. Delwiche

James C. Delwiche
Waste and Materials Management Program Supervisor
Southeast Region

cc: John Trast – jtrast@geiconsultants.com
Andrew Schwoerer - aschwoerer@geiconsultants.com
Alicia Zewicki – DNR/WA (e-copy)
Mark Peters – DNR/WA (e-copy)
Joe Lourigan – DNR/WA (e-copy)
Malena Grimm – DNR/WA (e-copy)

ENVIRONMENT
& HEALTH

Eric Kovatch
Senior Environmental Consultant – Waste, Recycling & Disposal
WEC Energy Group – Business Services
333 W Everett St,
Milwaukee, WI 53203

Responses to WDNR March 12, 2024 Incompleteness Determination for the Plan of Operation Approval Modification for Initial Permitting of Coal Combustion Residuals (CCR) Landfill for the We Energies Pleasant Prairie Power Plant (P4) Ash Landfill (License #2786)

September 6, 2024

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Ref. 1940102327

Dear Eric:

Per your request, Ramboll Americas Engineering Solutions, Inc. (Ramboll) has drafted the following responses to the subject letter from the Wisconsin Department of Natural Resources' (WDNR's) dated March 12, 2024.

WDNR Comment:

1. **Sections NR 507.15(3)(i) and NR 507.18(5), Wisc Adm Code: The following actions are needed to complete compliance with these sections.**

   a. **Identify any additional preventive action limits (PALs), alternative concentration limit (ACLs) and exemption requests needed based on the most recent baseline monitoring. Provide calculations of proposed PALs and ACLs as needed.**

   b. **Provide additional information regarding the exemption requests included in Section 4.6 of the Environmental Sampling and Analysis Plan Addendum (Appendix O of the December 13, 2023 submittal). The information needed is as follows:**

      i. **The exceedance type for each exemption requested (PAL or ES).**

      ii. **A discussion of why the exemptions are warranted that satisfies the requirements of s. NR 140.28 (2) through (4) Wis. Adm. Code. For example, discussion of exceedances attributed to background conditions may include, but not necessarily be limited to, discussion of upgradient vs. downgradient concentrations, the geological environment in which the monitoring wells are screened, and position of the wells (depth and distance) relative to the landfill.**

Responses:

1.a. *PALs have been calculated for alkalinity, hardness, lithium, pH, and specific conductance (**Table 1**) using analytical results from baseline sampling completed in 2023 (**Table 2**) and submitted to WDNR in June and December 2023. All calculations were completed in accordance with the methodology presented in WDNR publication PUB-WA 1105. Specifically, PALs were calculated as follows; all calculated values were rounded up to two significant figures:*

- *For alkalinity and hardness, the selected PAL is the higher of the mean plus three times the standard deviation or the mean plus the minimum increase specified in Table 3 of Ch. NR 140, Wisconsin (Wis) Administrative (Adm) Code*
- *For lithium, the PAL was calculated as the mean plus three times the standard deviation in accordance with Ch. NR 507.18(5)(d), Wis Adm Code*
- *For pH and field temperature, PALs were calculated in accordance with Ch. NR 140.20(2)(a) and (b), Wis Adm Code, respectively.*

*All sample analyses were completed by laboratories certified by WDNR using acceptable methods that are the basis of the certification. Data were evaluated for outliers via the Grubb's test[1] (**Attachment A**), but not excluded from the PAL calculations unless there was corroborating evidence (e.g., apparent sampling or analysis error) that the outlier result was not representative of actual field conditions or the outlier increased the PAL by greater than 20 percent. Only a single data point was excluded from the PAL calculations for these reasons: the specific conductance measurement at W20D on January 1, 2017. Including this measurement in the PAL calculations increased the PAL by approximately 50 percent, so it was excluded to avoid inflating the calculated mean, standard deviation, and PAL.*

No additional ACLs beyond those referenced in Section 4.6 of the Environmental Sampling and Analysis Plan (ESAP) Addendum (Appendix O of the December 13, 2023 submittal) are requested because the parameters for which baseline sampling was completed in 2023 are either indicator parameters, as defined in Ch. NR 140.20, Wisc Adm Code, or PALs are specified by Ch. NR 507.18(5)(d), Wis Adm Code, to be calculated in a similar manner (lithium).

1.b.i. *For the ACLs proposed in the ESAP Addendum (Table 4.2) for boron, fluoride, and sulfate at all wells, none require exemptions from the ES; all require PAL exemptions.*

1.b.ii. *Background concentrations of boron, fluoride, and sulfate, as represented by CCR wells 20D and 77, are greater than their respective PALs (0.2 mg/L, 0.8 mg/L, and 125 mg/L respectively), facilitating eligibility for exemptions in accordance with Ch. NR 140.28(3)(b), Wis Adm Code.*

*As noted in Section 4.2 of the ESAP Addendum, the CCR wells are screened in the uppermost (bedrock) aquifer, as defined in Ch. NR 500.03(246m), Wis Adm Code. The P4 Ash Landfill has not caused a release of boron, fluoride, or sulfate to this aquifer based upon the lines of evidence presented in the technical memorandum provided in **Attachment B**.*

Ch. NR 140 exemptions and ACLs at similar concentrations as those currently requested for the CCR wells have previously been granted for boron and sulfate at select non-CCR monitoring wells associated with the P4 Ash Landfill due to background groundwater quality associated with natural

[1] Grubbs, F. E. Procedures for detecting outlying observations in samples. Technometrics 11, 1–21 (1969).

hydrogeological conditions or human activities. These non-CCR monitoring wells are screened at elevations between the P4 Ash Landfill and the screen elevations of the CCR monitoring wells.

Further, the P4 Ash Landfill will not cause future releases of boron, fluoride, or sulfate into the uppermost aquifer because the landfill is designed to achieve the lowest possible concentration for these parameters that is technically and economically feasible for the following reasons:

- *The approved design includes a composite liner comprised of a minimum two-foot thick compacted soil barrier, geosynthetic clay liner tested for compatibility with P4 Ash Landfill leachate in accordance with Ch. NR 504.06(7)(a), Wisc Adm Code, 60-mil textured high-density polyethylene (HDPE) geomembrane, 12-ounce-per-square-yard non-woven geotextile, and a leachate collection system comprised of a one-foot thick granular drainage blanket layer with six-inch diameter perforated piping.*

WDNR Comment

2. **Provide additional information to support the request to remove molybdenum from the environmental monitoring program. The additional information should include data to demonstrate that molybdenum comes from a non-landfill source and discussion of the geology, well depth and position, correlation of molybdenum concentration trends with other parameters, and/or portions of regional molybdenum studies that are relevant to this landfill.**

Response:

*The technical memorandum provided in **Attachment C** summarizes lines of evidence that demonstrate the source of the dissolved molybdenum concentrations observed in the non-CCR monitoring wells are naturally occurring, and not a result of a release from the P4 Ash Landfill.*

We sincerely appreciate this continued opportunity to support WEC Energy Group with CCR Initial Permitting for the P4 Ash Landfill. If you have any questions or comments on the above responses, please contact us.

Sincerely,

Eric J. Tlachac, PE
Senior Project Manager

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Nathaniel R. Keller, PG
Senior Technical Manager

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Enclosures: **Licensed Professional Certifications**

Table 1 - Calculated Preventative Action Limits

Table 2 – Baseline Data Summary

Attachment A – Outlier Analysis Results

Attachment B - Lines of Evidence Supporting That the Pleasant Prairie Ash Landfill has not Caused a Release of Boron, Fluoride, or Sulfate to the Uppermost (Bedrock) Aquifer in which the Ch. NR 507.15(3) "CCR" Groundwater Monitoring Wells are Screened

Attachment C - Lines of Evidence Supporting That Dissolved Molybdenum Concentrations in non-CCR Monitoring Wells at the Pleasant Prairie Power Plant Ash Landfill are Naturally Occurring and Not a Result of a Release from the Landfill

LICENSED PROFESSIONAL CERTIFICATIONS

RAMBOLL

ENVIRONMENT
& HEALTH

LICENSED PROFESSIONAL CERTIFICATIONS

I, Nathaniel R. Keller, hereby certify that I am a licensed professional geologist in the State of Wisconsin in accordance with the requirements of Ch. GHSS 2, Wis. Adm. Code; that the preparation of this document has not involved any unprofessional conduct as detailed in Ch. GHSS 5, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chs. NR 500 to 538, Wis. Adm. Code.

Nathaniel R. Keller
Professional Geologist
1283-13
Wisconsin
Date: September 6, 2024

I, Eric J. Tlachac, hereby certify that I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of Ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in Ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chs. NR 500 to 538, Wis. Adm. Code.

Eric J. Tlachac
Professional Engineer
36088-6
Wisconsin
Date: September 6, 2024

TABLES

TABLE 1. CALCULATED PREVENTATIVE ACTION LIMITS
PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
PLEASANT PRAIRIE, WISCONSIN

Alkalinity[1] (mg/L)					
Location ID	**Mean**	**Standard Deviation**	**PAL Using 3 Standard Deviations**	**PAL Using NR 140 Table 3 Increment**	**Selected PAL**
Background Monitoring Wells					
W20D	118	7	139	218	220
W77	156	7	177	256	260
Downgradient Monitoring Wells					
W73	116	4	129	216	220
W74	110	6	129	210	210
W75	122	2	129	222	230
W76	118	9	145	218	220

Hardness[1] (mg/L)					
Location ID	**Mean**	**Standard Deviation**	**PAL Using 3 Standard Deviations**	**PAL Using NR 140 Table 3 Increment**	**Selected PAL**
Background Monitoring Wells					
W20D	130	3	138	230	230
W77	116	5	131	216	220
Downgradient Monitoring Wells					
W73	99	21	162	199	200
W74	110	2	116	210	210
W75	102	4	113	202	210
W76	97	2	103	197	200

Lithium[1] (ug/L)					
Location ID	**Mean**	**Standard Deviation**	**PAL Using 3 Standard Deviations**	**PAL Using NR 140 Table 3 Increment**	**Selected PAL [3]**
Background Monitoring Wells					
W20D	10.2	1.4	14.3	--	15
W77	1.5	0.3	2.3	--	2.3
Downgradient Monitoring Wells					
W73	15.8	2.7	23.7	--	24
W74	4.0	1.9	9.8	--	9.8
W75	12.8	0.8	15.2	--	16
W76	13.1	1.5	17.5	--	18

pH (S.U.)					
Location ID	Mean	Standard Deviation	PAL Using 3 Standard Deviations	PAL Using NR 140 Table 3 Increment [2]	Selected PAL [3]
Background Monitoring Wells					
W20D	7.8	0.4	--	6.8 / 8.8	6.8 / 8.8
W77	7.7	0.3	--	6.7 / 8.7	6.7 / 8.7
Downgradient Monitoring Wells					
W73	8.2	0.4	--	7.2 / 9.2	7.2 / 9.2
W74	8.0	0.4	--	7.0 / 9.0	7.0 / 9.0
W75	8.1	0.4	--	7.1 / 9.1	7.1 / 9.1
W76	8.2	0.6	--	7.2 / 9.2	7.2 / 9.2

Specific Conductance (umhos/cm)					
Location ID	Mean	Standard Deviation	PAL Using 3 Standard Deviations	PAL Using NR 140 Table 3 Increment	Selected PAL
Background Monitoring Wells					
W20D	632	125	1008	832	1010
W77	604	53	764	804	810
Downgradient Monitoring Wells					
W73	511	104	824	711	830
W74	578	53	737	778	780
W75	551	63	742	751	760
W76	543	44	676	743	750

Temperature (degrees C)					
Location ID	Mean	Standard Deviation	PAL Using 3 Standard Deviations [2]	PAL Using NR 140 Table 3 Increment [2]	Selected PAL [3]
Background Monitoring Wells					
W20D	11.8	2.5	4.3 / 19.2	6.2 / 17.4	4.3 / 20
W77	11.2	1.7	6.2 / 16.1	5.6 / 16.8	5.6 / 17
Downgradient Monitoring Wells					
W73	11.0	2.1	4.7 / 17.3	5.4 / 16.6	4.7 / 18
W74	11.6	2.5	4.0 / 19.2	6.0 / 17.2	4.0 / 20
W75	11.4	2.6	3.6 / 19.2	5.8 / 17.0	3.6 / 20
W76	11.2	2.7	3.2 / 19.2	5.6 / 16.8	3.2 / 20

[O: KRP 3/12/24, C: KLT 3/13/24][U:KRP 3/14/24, C: KLT 3/18/24][U: EJT 8/29/24, C: NRK 8/30/24]

Notes:

1. Parameter reported as total.
2. PAL presented as lower / upper limit.
3. Selected PAL is rounded up to 2 significant digits.

-- = no listed NR 140 Table 3 increment
degrees C = degrees Celsius
mg/L = milligrams per liter
PAL = Preventive Action Limit
S.U. = Standard Units
ug/L = micrograms per liter
umhos/cm = micromhos per centimeter

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

Well Id	Date Sampled	Lab Id	Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W20D	12/2/2015	40125664001			9.000	7.8	737.00	9.00
	1/25/2016	40127593001			10.900	7.7	748.00	7.51
	4/13/2016	40130923005			10.300	9.6	604.00	9.80
	7/13/2016	40135283002			9.100	7.4	670.00	16.00
	10/12/2016	40140105001			9.500	7.9	706.00	12.50
	1/10/2017	40144447001			9.800	7.8	4240.00	9.70
	4/10/2017	40148263001	120.0		9.400	7.8	608.00	13.99
	8/31/2017	40156109001	127.0		13.200	7.4	666.30	
	10/23/2017	40159525001				7.7	640.40	12.06
	1/18/2018	40163747005				7.6	686.30	7.16
	4/16/2018	AE26934				7.4		9.16
	10/22/2018	AE31321				7.8	963.00	11.30
	4/15/2019	AE35079				8.1	628.00	12.00
	10/29/2019	AE41670				7.5	614.00	9.03
		AE41681	130.0					
	4/14/2020	AE45185				7.7	605.33	8.72
	10/12/2020	AE49054	110.0			7.8	618.56	11.69
	4/13/2021	AE52543				7.7	698.32	11.85
	10/12/2021	AE56410				7.5	625.00	13.60
	4/13/2022	AE60066				7.8	629.00	12.00
	10/5/2022	AE62999	116.0			7.1	634.00	13.00
	1/30/2023	AE64759	111.0	130.00		7.6	163.10	9.40
	3/6/2023	AE65326	118.0	130.00		8.1	598.00	10.00
	4/11/2023	AE65951	110.0	130.00		7.8	620.00	12.00
	5/15/2023	AE66588		126.00		7.7	613.00	12.00
	6/14/2023	AE67175		130.00		8.5	633.00	14.00

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

			Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W20D	7/17/2023	40265339001		133.00		8.0	705.96	15.94
	8/17/2023	AE68378		125.00		8.1	490.00	17.00
	9/21/2023	AE68994		133.00		7.9	678.00	13.30
	10/26/2023	AE69710	118.0	131.00		7.5	582.00	12.70
	4/18/2024	AE72480	110.0	125.00		7.6	574.00	11.00
W73	10/29/2013	AD75386				8.4	550.00	11.00
	4/15/2014	AD81566				8.3	542.00	11.00
	10/21/2014	AD88603				8.3	507.00	12.00
	4/7/2015	AD94028				8.5	485.00	11.00
	10/14/2015	AE00623				8.2	460.00	12.50
	12/2/2015	40125664005			13.700	8.2	460.00	9.10
	1/25/2016	40127593006			19.900	8.0	522.00	9.92
	4/14/2016	40130923007			14.800			
		AE06471				8.3	518.00	10.30
	7/13/2016	40135283001			12.400	8.1	516.00	14.60
	10/12/2016	40140105010			17.700			
		AE12007				8.5	546.00	11.10
	1/11/2017	40144447010			13.100	8.0	541.00	8.20
	4/11/2017	40148263011	119.0		17.800			
		AE16491				8.5	508.00	10.20
	8/31/2017	40156109010	121.0		16.700	8.2	553.20	
	10/24/2017	AE22300				8.4	538.00	11.00
	1/18/2018	40163747001				8.0	595.71	6.34
	4/16/2018	AE26911				7.4	0.35 4/16/2018	8.30
	10/23/2018	AE31312				8.2	537.00	10.30
	4/15/2019	AE35048				8.4	529.00	11.00
	10/30/2019	AE41638				7.6	548.00	9.60
		AE41689	120.0					

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

			Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W73	4/15/2020	AE45208				8.0	507.69	9.38
	10/13/2020	AE49047				8.1	488.11	12.66
		AE49062	110.0					
	4/13/2021	AE52529				7.9	574.80	10.55
	10/12/2021	AE56403				8.1	526.00	13.10
	4/13/2022	AE60053				8.2	533.00	11.00
	10/5/2022	AE62974				8.3	530.00	13.00
		AE63007	115.0					
	1/30/2023	AE64760	114.0	100.00		8.1	561.50	7.10
	3/6/2023	AE65327	116.0	120.00		8.7	504.00	11.00
	4/11/2023	AE65960	110.0	94.00				
		AE65978				8.3	522.00	11.80
	5/15/2023	AE66589		108.00		8.3	517.00	11.00
	6/14/2023	AE67176		48.00		9.0	535.00	15.00
	7/17/2023	40265339002		97.40		7.5	484.02	14.44
	8/17/2023	AE68379		104.00		9.1	535.00	12.00
	9/21/2023	AE68995		118.00		8.4	580.00	12.50
	10/30/2023	AE69690	120.0	98.70		8.2	459.00	11.80
	4/18/2024	AE72475	110.0	98.00		8.3	490.00	11.00
W74	12/3/2015	40125664007			1.900	7.9	624.00	9.40
	1/26/2016	40127593011			2.200	7.3	630.00	8.61
	4/13/2016	40130923004			1.800	8.8	521.00	9.80
	7/12/2016	40135262008			3.200	7.2	581.00	17.90
	10/12/2016	40140105009			5.300	8.2	626.00	11.30
	1/10/2017	40144447011			5.100	8.1	503.00	10.53
	4/11/2017	40148263010	113.0		5.300	8.2	428.00	10.35
	8/31/2017	40156109009	112.0		6.900	7.6	621.60	

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

			Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W74	10/23/2017	40159525003				7.8	595.10	11.49
	1/18/2018	40163747004				8.0	654.58	10.27
	4/16/2018	AE26937				7.7		9.91
	10/23/2018	AE31330				8.0	580.00	11.30
	4/15/2019	AE35077				8.5	590.00	11.00
	10/30/2019	AE41679				7.3	623.00	8.60
		AE41690	120.0					
	4/14/2020	AE45188				8.0	569.89	9.00
	10/13/2020	AE49056	110.0			7.8	551.29	11.41
	4/13/2021	AE52542				8.1	659.10	11.33
	10/12/2021	AE56411				8.0	506.00	12.00
	4/13/2022	AE60064				8.0	591.00	11.00
	10/5/2022	AE63003	107.0			7.9	596.00	13.00
	3/6/2023	AE65328	114.0	110.00		8.2	559.00	10.00
	4/11/2023	AE65954	100.0	110.00		7.5	584.00	18.20
	5/15/2023	AE66590	102.0	109.00		8.0	578.00	11.00
	6/14/2023	AE67177		110.00		8.8	591.00	11.00
	7/17/2023	40265339003		113.00		7.6	594.60	14.28
	8/17/2023	AE68380		107.00		8.9	500.00	11.00
	9/21/2023	AE68996		107.00		7.5	638.00	16.90
	10/30/2023	AE69691	112.0	111.00		8.2	556.00	10.70
	4/18/2024	AE72481	100.0	107.00		8.2	545.00	11.00
W75	12/3/2015	40125664008			12.400	8.2	676.00	8.90
	1/26/2016	40127593010			13.000	7.6	720.00	8.35
	4/13/2016	40130923003			11.700	8.8	577.00	9.20
	7/12/2016	40135262005			12.500	7.5	637.00	19.40
	10/12/2016	40140105008			13.400	8.5	641.00	11.20

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

			Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W75	1/10/2017	40144447003			11.800	8.2	603.00	9.94
	4/11/2017	40148263009	121.0		13.800	8.4	462.00	10.57
	8/31/2017	40156109008	124.0		13.700	7.9	600.60	
	10/23/2017	40159525004				8.1	569.20	11.05
	4/16/2018	AE26938				7.7		8.96
	10/23/2018	AE31329				8.2	565.00	11.00
	4/15/2019	AE35075				8.6	553.00	11.00
	10/30/2019	AE41677				8.0	559.00	9.20
		AE41688	120.0					
	4/14/2020	AE45190				8.3	531.62	9.07
	10/13/2020	AE49057	120.0			8.0	474.41	11.97
	4/13/2021	AE52541				8.2	612.64	11.00
	10/12/2021	AE56412				8.0	541.00	14.30
	4/13/2022	AE60063				8.1	540.00	11.00
	10/5/2022	AE63004	124.0			8.1	541.00	13.00
	1/30/2023	AE64761	121.0	100.00		8.2	467.20	9.20
	3/6/2023	AE65329	126.0	110.00		8.3	515.00	10.00
	4/11/2023	AE65955	120.0	100.00		8.1	530.00	11.70
	5/15/2023	AE66591		99.80		8.1	529.00	11.00
	6/14/2023	AE67178		100.00		8.9	544.00	11.00
	7/17/2023	40265339004		104.00		7.7	465.43	12.21
	8/17/2023	AE68381		98.90		8.8	437.00	14.00
	9/21/2023	AE68997		106.00		7.4	591.00	17.60
	10/30/2023	AE69686	124.0	102.00		7.4	528.00	9.00
	4/18/2024	AE72482	120.0	100.00		8.3	500.00	10.00
W76	12/3/2015	40125664011			11.200	8.2	569.00	9.70
	1/26/2016	40127593008			12.700	7.7	597.00	8.94

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

			Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W76	4/13/2016	40130923002			11.300	9.5	479.00	8.80
	7/12/2016	40135262003			12.800	7.5	543.00	17.40
	10/12/2016	40140105007			14.400	8.7	587.00	11.50
	1/11/2017	40144447007			12.500	8.4	561.00	8.46
	4/11/2017	40148263008	118.0		15.200	8.6	520.00	9.95
	8/31/2017	40156109007	115.0		14.500	8.1	579.90	
	10/23/2017	40159525006				7.8	549.50	12.17
	4/16/2018	AE26940				7.7		8.71
	10/23/2018	AE31328				7.8	551.00	11.90
	2/14/2019	AE33639				8.3	547.00	9.30
	4/15/2019	AE35073				8.5	542.00	10.00
	10/30/2019	AE41674				6.9	557.00	6.50
		AE41685	140.0					
	4/14/2020	AE45191				8.5	525.36	9.63
	10/13/2020	AE49058	110.0			8.2	507.78	12.77
	4/13/2021	AE52540				8.3	610.82	11.07
	10/12/2021	AE56413				8.3	544.00	11.60
	4/13/2022	AE60062				8.3	511.00	11.00
	10/5/2022	AE63005	118.0			8.2	577.00	14.00
	1/30/2023	AE64762	115.0	97.00		8.3	562.50	9.10
	3/6/2023	AE65330	118.0	100.00		8.8	517.00	9.80
	4/11/2023	AE65958	110.0	95.00		8.2	533.00	12.60
	5/15/2023	AE66592		94.80		8.3	531.00	11.00
	6/14/2023	AE67179		94.00		9.1	447.00	12.00
	7/17/2023	40265339005		99.90		7.2	636.29	18.92
	8/17/2023	AE68382		94.70		9.1	445.00	14.00
	9/21/2023	AE68998		98.00		8.5	588.00	12.10

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

			Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W76	10/30/2023	AE69688	122.0	96.90		8.3	523.00	10.10
	4/18/2024	AE72483	120.0	95.10		8.5	503.00	10.00
W77	12/3/2015	40125664009			1.600	7.6	665.00	9.70
	1/25/2016	40127593003			1.500	7.3	680.00	9.90
	4/13/2016	40130923001			1.300	8.4	557.00	9.50
	7/12/2016	40135262001			1.200	7.3	636.00	14.30
	10/12/2016	40140105005			1.200	7.9	682.00	11.60
	1/11/2017	40144447005			2.000	7.6	642.00	9.44
	4/10/2017	40148263005	159.0		1.700	7.7	612.00	12.33
	8/31/2017	40156109004	156.0		1.300	7.2	658.90	
	10/24/2017	40159525010				7.7	636.00	10.69
	1/18/2018	40163747002				7.5	688.02	8.83
	4/16/2018	AE26942				7.5		8.28
	10/22/2018	AE31324				7.5	669.00	13.40
	4/15/2019	AE35072				8.0	612.00	11.00
	10/29/2019	AE41673				7.3	594.00	10.00
		AE41684	170.0					
	4/15/2020	AE45194				7.6	576.68	9.80
	10/13/2020	AE49061	160.0			7.5	560.59	11.85
	4/13/2021	AE52536				7.6	477.09	11.01
	10/12/2021	AE56416				7.6	598.00	12.00
	4/13/2022	AE60059				7.5	523.00	11.00
	10/5/2022	AE63008	153.0			7.6	592.00	12.00
	1/30/2023	AE64763	150.0	120.00		7.7	636.80	9.10
	3/6/2023	AE65331	157.0	120.00		7.9	560.00	11.00
	4/11/2023	AE65956	150.0	120.00		7.7	560.00	11.50
	5/15/2023	AE66593		115.00		7.7	570.00	11.00

Table 2
Baseline Data Summary
Pleasant Prairie Power Plant Ash Landfill

Date Range: 10/06/1978 to 05/31/2024

Lab Methods:

			Alkalinity, lab, mg/L	Hardness, tot, mg/L	Li, tot, ug/L	pH (Field), SU	Specific Cond. (Field), micromhos/cm	Temperature, Field, C, degrees C
W77	6/14/2023	AE67180		110.00		8.6	583.00	11.00
	7/17/2023	40265339006		115.00		7.3	671.43	15.13
	8/17/2023	AE68383		107.00		8.3	580.00	14.00
	9/21/2023	AE68999		121.00		7.9	621.00	11.40
	10/30/2023	AE69689	147.0	117.00		7.8	543.00	10.40
	4/18/2024	AE72484	140.0	117.00		7.8	536.00	10.00

ATTACHMENT A

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Alkalinity, Total, mg/L

Location: W20D

Mean of all data: 117.8
Standard Deviation of all data: 7.2
Largest Observation Concentration of all data: Xn = 130.0
Test Statistic, high extreme of all data: Tn = 1.7
T Critical of all data: Tcr = 2.1

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Alkalinity, Total, mg/L

Location: W73

Mean of all data: 116.1
Standard Deviation of all data: 4.2
Largest Observation Concentration of all data: Xn = 121.0
Test Statistic, high extreme of all data: Tn = 1.2
T Critical of all data: Tcr = 2.1

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Alkalinity, Total, mg/L

Location: W74

Mean of all data: 110.0
Standard Deviation of all data: 6.2
Largest Observation Concentration of all data: Xn = 120.0
Test Statistic, high extreme of all data: Tn = 1.6
T Critical of all data: Tcr = 2.1

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Alkalinity, Total, mg/L

Location: W75

Mean of all data: 122.2
Standard Deviation of all data: 2.3
Largest Observation Concentration of all data: Xn = 126.0
Test Statistic, high extreme of all data: Tn = 1.7
T Critical of all data: Tcr = 2.1

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Alkalinity, Total, mg/L

Location: W76

Mean of all data: 118.4
Standard Deviation of all data: 9.0
Largest Observation Concentration of all data: Xn = 140.0
Test Statistic, high extreme of all data: Tn = 2.4
T Critical of all data: Tcr = 2.1

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
10/30/2019	140.0	False		1

Alkalinity, Total, mg/L

Location: W77

Mean of all data: 155.8
Standard Deviation of all data: 6.9
Largest Observation Concentration of all data: Xn = 170.0
Test Statistic, high extreme of all data: Tn = 2.1
T Critical of all data: Tcr = 2.1

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Hardness, total (mg/l as CaCO3), mg/L
Location: W20D

Mean of all data: 129.78
Standard Deviation of all data: 2.73
Largest Observation Concentration of all data: Xn = 133.00
Test Statistic, high extreme of all data: Tn = 1.18
T Critical of all data: Tcr = 2.11

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Hardness, total (mg/l as CaCO3), mg/L
Location: W73

Mean of all data: 98.68
Standard Deviation of all data: 21.03
Largest Observation Concentration of all data: Xn = 120.00
Test Statistic, high extreme of all data: Tn = 1.01
T Critical of all data: Tcr = 2.11

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
06/14/2023	48.00	False	-1	

Hardness, total (mg/l as CaCO3), mg/L
Location: W74

Mean of all data: 109.63
Standard Deviation of all data: 2.00
Largest Observation Concentration of all data: Xn = 113.00
Test Statistic, high extreme of all data: Tn = 1.69
T Critical of all data: Tcr = 2.03

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Hardness, total (mg/l as CaCO3), mg/L

Location: W75

Mean of all data: 102.30
Standard Deviation of all data: 3.70
Largest Observation Concentration of all data: Xn = 110.00
Test Statistic, high extreme of all data: Tn = 2.08
T Critical of all data: Tcr = 2.11

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Hardness, total (mg/l as CaCO3), mg/L

Location: W76

Mean of all data: 96.70
Standard Deviation of all data: 2.26
Largest Observation Concentration of all data: Xn = 100.00
Test Statistic, high extreme of all data: Tn = 1.46
T Critical of all data: Tcr = 2.11

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Hardness, total (mg/l as CaCO3), mg/L

Location: W77

Mean of all data: 116.11
Standard Deviation of all data: 4.91
Largest Observation Concentration of all data: Xn = 121.00
Test Statistic, high extreme of all data: Tn = 1.00
T Critical of all data: Tcr = 2.11

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Lithium, total, ug/L
Location: W20D

Mean of all data: 10.314
Standard Deviation of all data: 1.409
Largest Observation Concentration of all data: Xn = 13.200
Test Statistic, high extreme of all data: Tn = 2.048
T Critical of all data: Tcr = 1.938

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
08/31/2017	13.200	False		1

Lithium, total, ug/L
Location: W73

Mean of all data: 16.057
Standard Deviation of all data: 2.727
Largest Observation Concentration of all data: Xn = 19.900
Test Statistic, high extreme of all data: Tn = 1.409
T Critical of all data: Tcr = 1.938

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Lithium, total, ug/L
Location: W74

Mean of all data: 4.257
Standard Deviation of all data: 1.882
Largest Observation Concentration of all data: Xn = 6.900
Test Statistic, high extreme of all data: Tn = 1.404
T Critical of all data: Tcr = 1.938

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Lithium, total, ug/L
Location: W75

Mean of all data: 12.843
Standard Deviation of all data: 0.866
Largest Observation Concentration of all data: Xn = 13.800
Test Statistic, high extreme of all data: Tn = 1.106
T Critical of all data: Tcr = 1.938

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Lithium, total, ug/L
Location: W76

Mean of all data: 13.343
Standard Deviation of all data: 1.384
Largest Observation Concentration of all data: Xn = 15.200
Test Statistic, high extreme of all data: Tn = 1.342
T Critical of all data: Tcr = 1.938

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Lithium, total, ug/L
Location: W77

Mean of all data: 1.457
Standard Deviation of all data: 0.299
Largest Observation Concentration of all data: Xn = 2.000
Test Statistic, high extreme of all data: Tn = 1.814
T Critical of all data: Tcr = 1.938

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

PH, Field, SU
Location: W20D

Mean of all data: 7.8
Standard Deviation of all data: 0.4
Largest Observation Concentration of all data: Xn = 9.6
Test Statistic, high extreme of all data: Tn = 4.0
T Critical of all data: Tcr = 2.7

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
04/13/2016	9.6	False		1

PH, Field, SU
Location: W73

Mean of all data: 8.2
Standard Deviation of all data: 0.4
Largest Observation Concentration of all data: Xn = 9.1
Test Statistic, high extreme of all data: Tn = 2.4
T Critical of all data: Tcr = 2.7

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

PH, Field, SU
Location: W74

Mean of all data: 8.0
Standard Deviation of all data: 0.4
Largest Observation Concentration of all data: Xn = 8.9
Test Statistic, high extreme of all data: Tn = 2.1
T Critical of all data: Tcr = 2.7

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

PH, Field, SU
Location: W75

Mean of all data: 8.1
Standard Deviation of all data: 0.4
Largest Observation Concentration of all data: Xn = 8.9
Test Statistic, high extreme of all data: Tn = 1.9
T Critical of all data: Tcr = 2.7

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

PH, Field, SU
Location: W76

Mean of all data: 8.2
Standard Deviation of all data: 0.6
Largest Observation Concentration of all data: Xn = 9.5
Test Statistic, high extreme of all data: Tn = 2.2
T Critical of all data: Tcr = 2.7

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

PH, Field, SU
Location: W77

Mean of all data: 7.7
Standard Deviation of all data: 0.3
Largest Observation Concentration of all data: Xn = 8.6
Test Statistic, high extreme of all data: Tn = 2.7
T Critical of all data: Tcr = 2.7

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
06/14/2023	8.6	False		1

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
LT Multiplier: x 0.50
Confidence Level: 95%
Number of Outliers: One Outlier
Transform: None

Specific Conductance, Field, micromhos/cm
Location: W20D

Mean of all data: 765.45
Standard Deviation of all data: 705.19
Largest Observation Concentration of all data: Xn = 4240.00
Test Statistic, high extreme of all data: Tn = 4.93
T Critical of all data: Tcr = 2.70

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
01/10/2017	4240.00	False		1

Specific Conductance, Field, micromhos/cm
Location: W73

Mean of all data: 511.05
Standard Deviation of all data: 104.16
Largest Observation Concentration of all data: Xn = 595.71
Test Statistic, high extreme of all data: Tn = 0.81
T Critical of all data: Tcr = 2.71

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
04/16/2018	0.35	False	-1	

Specific Conductance, Field, micromhos/cm
Location: W74

Mean of all data: 577.97
Standard Deviation of all data: 53.17
Largest Observation Concentration of all data: Xn = 659.10
Test Statistic, high extreme of all data: Tn = 1.53
T Critical of all data: Tcr = 2.68

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
04/11/2017	428.00	False	-1	

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Specific Conductance, Field, micromhos/cm

Location: W75

Mean of all data: 551.31
Standard Deviation of all data: 63.41
Largest Observation Concentration of all data: Xn = 720.00
Test Statistic, high extreme of all data: Tn = 2.66
T Critical of all data: Tcr = 2.68

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Specific Conductance, Field, micromhos/cm

Location: W76

Mean of all data: 543.41
Standard Deviation of all data: 44.31
Largest Observation Concentration of all data: Xn = 636.29
Test Statistic, high extreme of all data: Tn = 2.10
T Critical of all data: Tcr = 2.70

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Specific Conductance, Field, micromhos/cm

Location: W77

Mean of all data: 604.43
Standard Deviation of all data: 53.07
Largest Observation Concentration of all data: Xn = 688.02
Test Statistic, high extreme of all data: Tn = 1.58
T Critical of all data: Tcr = 2.70

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Temperature, Water (Degrees Centigrade), degrees C
Location: W20D

Mean of all data: 11.76
Standard Deviation of all data: 2.49
Largest Observation Concentration of all data: Xn = 17.00
Test Statistic, high extreme of all data: Tn = 2.10
T Critical of all data: Tcr = 2.70

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Temperature, Water (Degrees Centigrade), degrees C
Location: W73

Mean of all data: 11.01
Standard Deviation of all data: 2.11
Largest Observation Concentration of all data: Xn = 15.00
Test Statistic, high extreme of all data: Tn = 1.89
T Critical of all data: Tcr = 2.70

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Temperature, Water (Degrees Centigrade), degrees C
Location: W74

Mean of all data: 11.61
Standard Deviation of all data: 2.54
Largest Observation Concentration of all data: Xn = 18.20
Test Statistic, high extreme of all data: Tn = 2.59
T Critical of all data: Tcr = 2.68

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

Attachment A
Outlier Analysis Results
Pleasant Prairie Power Plant Ash Landfill

User Supplied Information

Date Range: 01/01/2016 to 12/31/2023
Confidence Level: 95%
Transform: None

LT Multiplier: x 0.50
Number of Outliers: One Outlier

Temperature, Water (Degrees Centigrade), degrees C
Location: W75

Mean of all data: 11.38
Standard Deviation of all data: 2.59
Largest Observation Concentration of all data: Xn = 19.40
Test Statistic, high extreme of all data: Tn = 3.09
T Critical of all data: Tcr = 2.68

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
07/12/2016	19.40	False		1

Temperature, Water (Degrees Centigrade), degrees C
Location: W76

Mean of all data: 11.23
Standard Deviation of all data: 2.67
Largest Observation Concentration of all data: Xn = 18.92
Test Statistic, high extreme of all data: Tn = 2.88
T Critical of all data: Tcr = 2.70

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side
07/17/2023	18.92	False		1

Temperature, Water (Degrees Centigrade), degrees C
Location: W77

Mean of all data: 11.17
Standard Deviation of all data: 1.66
Largest Observation Concentration of all data: Xn = 15.13
Test Statistic, high extreme of all data: Tn = 2.39
T Critical of all data: Tcr = 2.70

Sample Date	Value	LT_Value	Outlier Low Side	Outlier High Side

No Outliers

Based on Grubbs one-sided outlier test

ATTACHMENT B

RAMBOLL

ENVIRONMENT & HEALTH

TECHNICAL MEMORANDUM

To: Eric Kovatch, WEC Energy Group – Business Services

From: Eric Tlachac and Nate Keller

cc:

Re: Lines of evidence supporting that the Pleasant Prairie Power Plant Ash Landfill has not caused a release of boron, fluoride, or sulfate to the uppermost (bedrock) aquifer in which the Ch. NR 507.15(3) "CCR" groundwater monitoring wells are screened

September 6, 2024

Ramboll
234 W. Florida Street
Fifth Floor
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USA

T 414-837-3607
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www.ramboll.com

Ref. 1940102327

The following lines of evidence (LOEs) demonstrate that the Pleasant Prairie Power Plant (P4) Ash Landfill has not caused a release of boron, fluoride, or sulfate to the uppermost (bedrock) aquifer, as defined in Ch. NR 500.03(246m), Wisconsin (Wis) Administrative (Adm) Code, at any downgradient bedrock monitoring well:

1. Presence of a composite liner and leachate collection system
2. Geologic and hydrogeologic conditions
3. Ionic composition of background and downgradient groundwater are similar and distinct from P4 Ash Landfill leachate
4. Fluoride concentrations are elevated in bedrock groundwater throughout the region
5. Sulfate concentrations are higher in background wells than downgradient wells

Concentrations of boron, fluoride, and sulfate greater than their respective Ch. NR 140, Wis Adm Code, Preventative Action Levels (PALs) have been observed in all site bedrock monitoring wells.

Additional information pertaining to these LOEs is provided below.

LOE #1: Presence of a Composite Liner and Leachate Collection System

The P4 Ash Landfill was constructed with a composite liner comprised of a minimum two-foot thick compacted soil barrier, geosynthetic clay liner tested for compatibility with P4 Ash Landfill leachate in accordance with Ch. NR 504.06(7)(a), Wisc Adm Code, 60-mil textured high-density polyethylene (HDPE) geomembrane, 12-ounce-per-square-yard non-woven geotextile, and a leachate collection system comprised of a one-foot thick granular drainage blanket layer with six-inch diameter perforated collection piping. Precipitation and/or leachate that collects on top of the liner is removed by the leachate collection system and managed in accordance with the landfill's operating permit. Leachate levels are monitored within the landfill and the system includes high level alarms to notify the landfill operators if leachate levels exceed predetermined levels. The system is jetted and flushed annually as part of regular operation and maintenance. System monitoring and reporting indicate that it is functioning as designed and there is not significant

leachate migration into underlying materials. The liner creates a barrier to groundwater, and collection of leachate eliminates potential migration to groundwater.

LOE #2: Geologic and hydrogeologic conditions

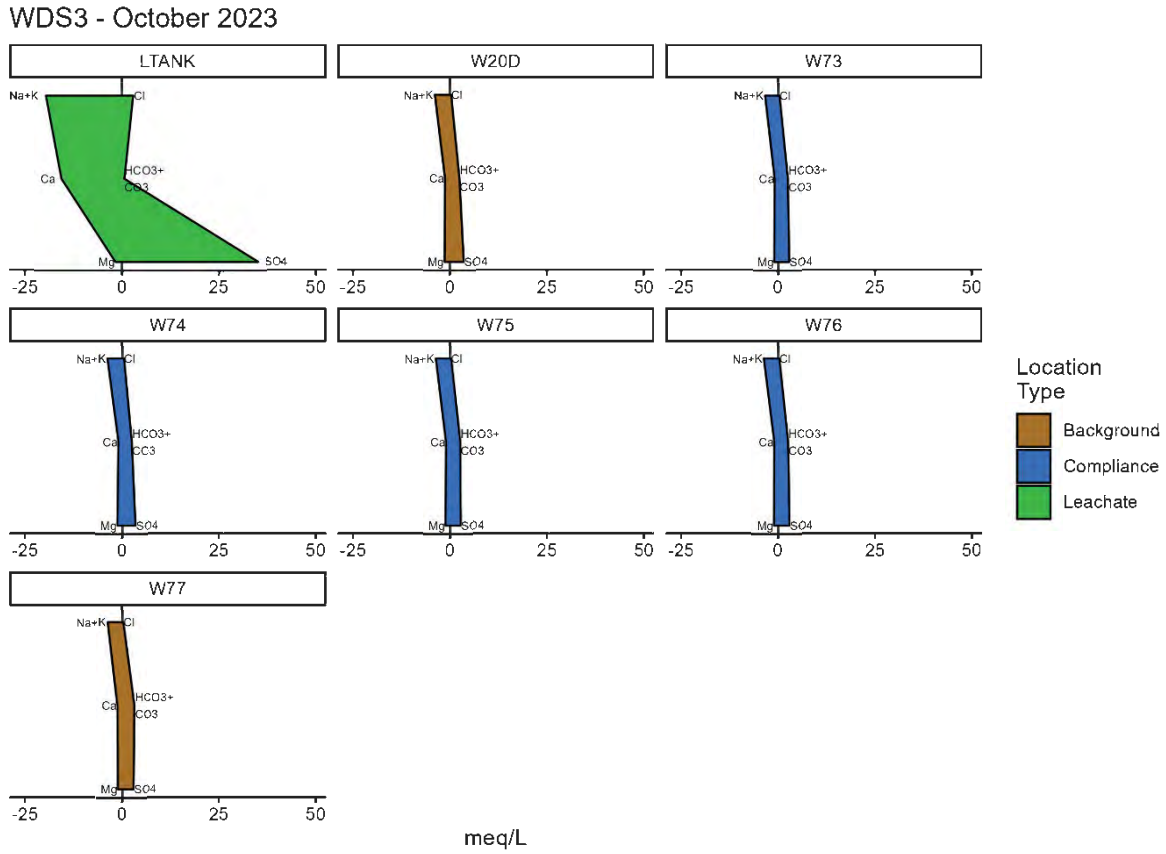
The landfill and liner system overlie 50 to 100 feet of silty clay[1], referred to as the Oak Creek Formation, and the potential for downward migration of leachate into the bedrock is limited by the low hydraulic conductivity of this formation. Simpkins and Bradbury[2] calculated downward velocities of 0.3 to 0.5 cm/yr. At the highest velocities, it would require over 3,000 years for leachate to migrate through 50 feet of the Oak Creek Formation (a conservative thickness after removing potential sand lenses and fractured clay near the surface), but the P4 Ash Landfill has only been active for about 45 years.

LOE #3: Ionic Composition of Background and Downgradient Groundwater are Similar and Distinct from P4 Ash Landfill Leachate

The ionic composition of groundwater samples collected from the bedrock wells in October 2023 is different than the ionic composition of a sample collected from the leachate tank in 2017. Concentrations of boron observed in the bedrock wells and monitored parameters in the leachate tank have been consistent in magnitude since monitoring of these wells began in 2016, indicating that ionic composition of the 2021 groundwater and 2017 leachate samples are representative. **Figure E** is a Stiff diagram that displays the ionic composition of bedrock groundwater and landfill leachate. Polygons with similar shapes on Stiff diagrams indicate solutions with similar ionic compositions, whereas polygons with different shapes indicate solutions with dissimilar ionic compositions. The larger the area of the polygon, the greater the concentration of the various ions. **Figure E** indicates that the background and downgradient bedrock groundwater are more similar in ionic composition and distinct from the ionic composition of the P4 Ash Landfill leachate. The similarity in ionic composition between the background and downgradient bedrock wells demonstrates that downgradient bedrock wells are not impacted by CCR leachate from the P4 Ash Landfill.

[1] The geology and hydrogeology beneath the P4 Ash Landfill is summarized in Section 2 of the Environmental Sampling and Analysis Plan (ESAP) Addendum submitted with the Ch. NR 514.045 Plan of Operation Modification

[2] Simkins, W.W., Bradbury, K.R., 1992, Groundwater Flow, Velocity, And Age In A Thick, Fine-Grained Till Unit In Southeastern Wisconsin, Journal of Hydrology, Volume 132, Issues 1–4, March 1992, Pages 283-319



Note: LTANK data is from April 2017

Figure E. Stiff Diagrams illustrating ionic composition of bedrock groundwater and P4 Ash Landfill leachate

LOE#5: Fluoride Concentrations Are Elevated in Bedrock Groundwater Throughout the Region

Research conducted across the state of Wisconsin has identified distinct regions of elevated fluoride concentrations[3] (**Figure F**). One region, located in the southeastern corner of the state, encompasses the approximate location of the P4 Ash Landfill (indicated by pink arrow). Observed fluoride concentrations were most often between 0.7-1.2 milligrams per liter (mg/L; identified by green circles), however, concentrations between 1.2-2.0 mg/L (identified by yellow circles) were observed in wells screened across the glacial sediments and Silurian dolomite. In fact, according to the study authors, "*Most of the wells with elevated fluoride appear to be drawing from both Pleistocene glacial sediments and Silurian dolomite units. It is likely that fluorite is also the source of this elevated dissolved fluoride because fluorite mineralization occurs in the Silurian rocks of eastern Wisconsin.*".

[3] Luczaj, John and K. Masarik, 2015. Groundwater Quantity and Quality Issues in a Water-Rich Region: Examples from Wisconsin, USA. Resources, 4, pp. 323-357. doi: 10.3390/resources4020323.

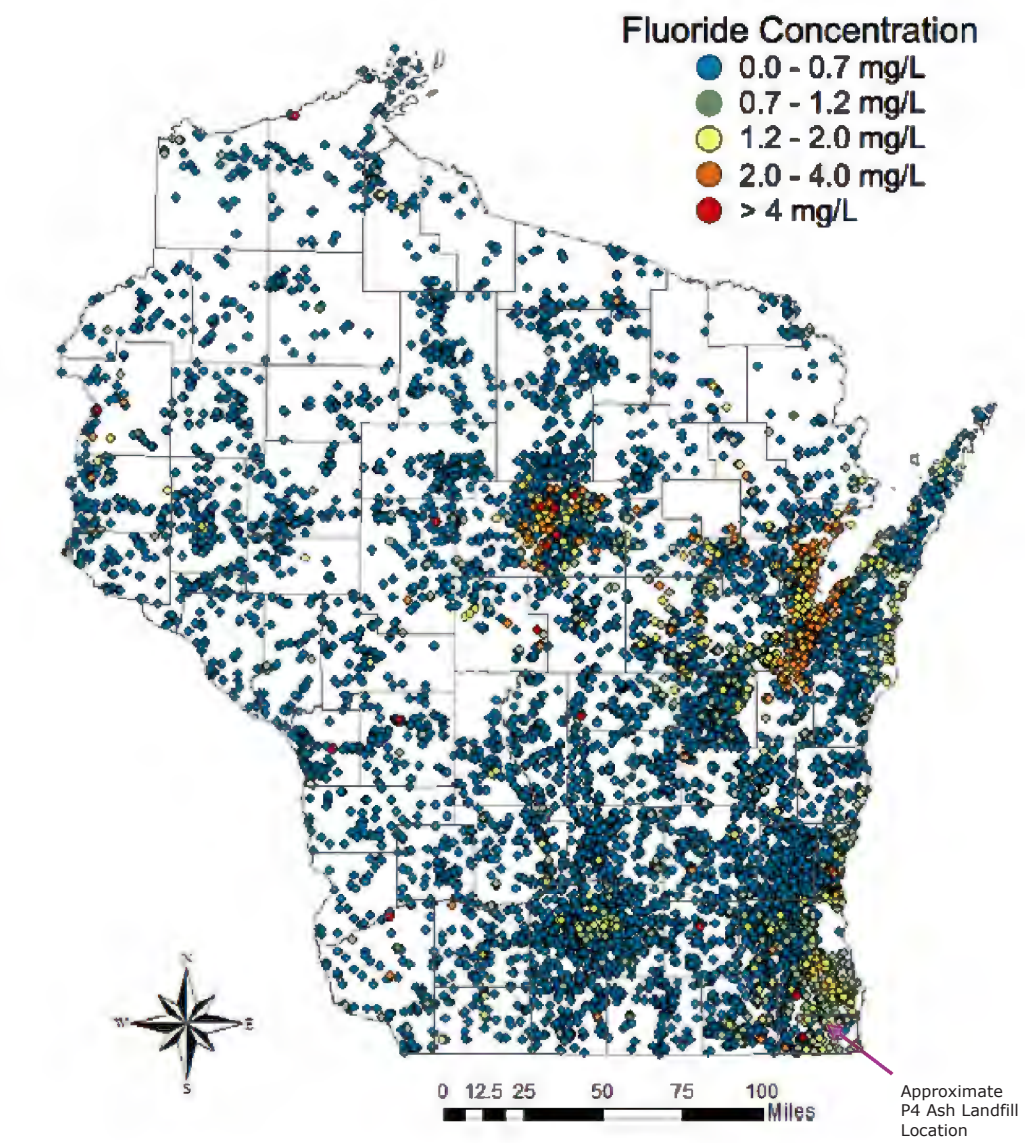


Figure F. Fluoride Concentrations in Wisconsin Wells (Luczaj and Masarik, 2015).
The approximate location of the P4 Ash Landfill indicated by pink arrow.

LOE#6: Sulfate Concentrations Are Higher in Background Wells Than Downgradient Wells

As depicted in **Figure G**, sulfate concentrations observed in background bedrock monitoring well W20D at the P4 Ash Landfill are higher than those observed in the downgradient bedrock monitoring wells. If the P4 Ash Landfill were the source of the sulfate concentrations in bedrock groundwater, the downgradient wells would have higher concentrations of sulfate, an indicator parameter for CCR groundwater impacts[4], than the background wells.

[4] Electric Power Research Institute [EPRI], (2012). Groundwater Quality Signatures for Assessing Potential Impacts from Coal Combustion Product Leachate, Report 1017923. October 2012.

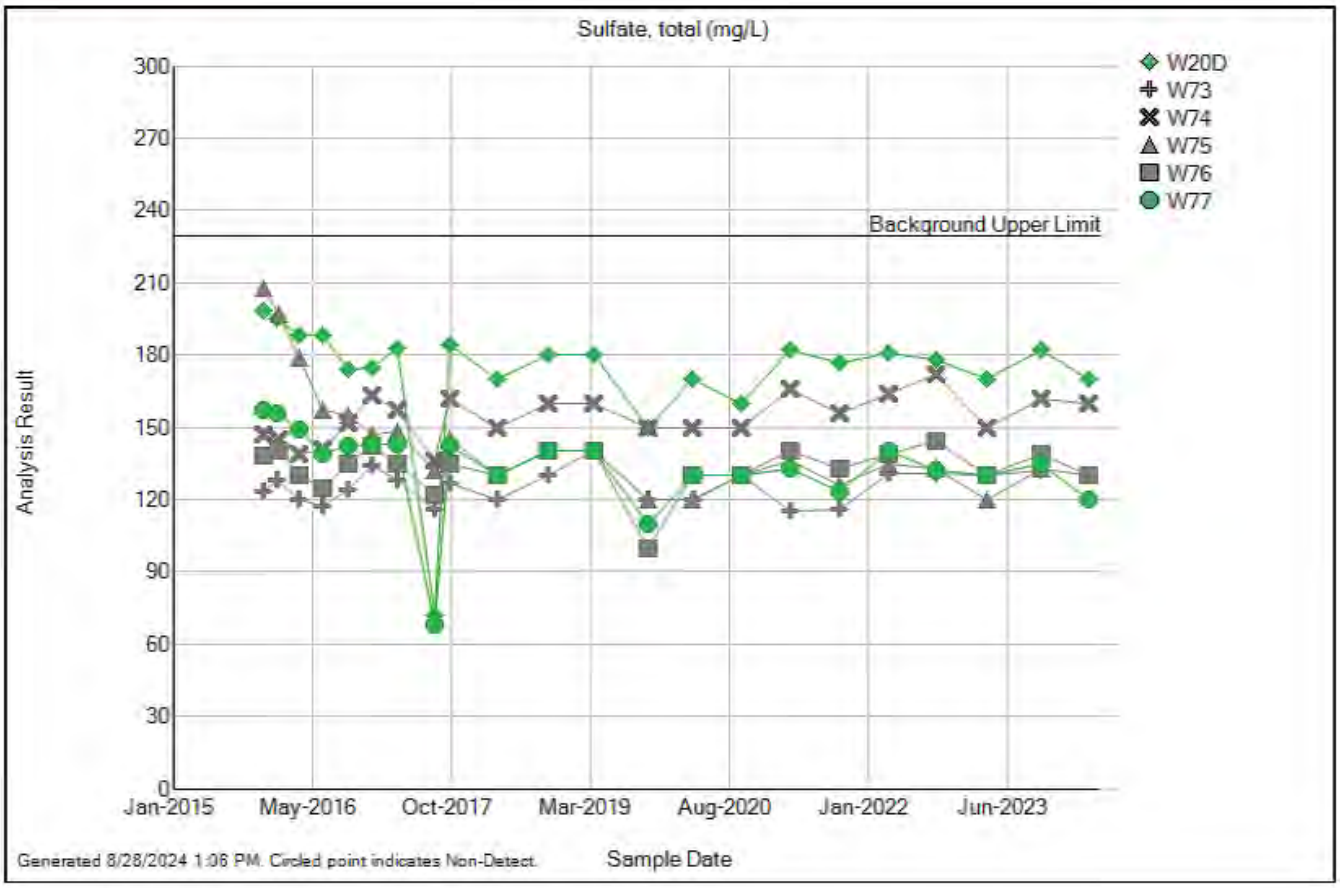


Figure G. Sulfate Concentrations Time Series

ATTACHMENT C

RAMBOLL

ENVIRONMENT
& HEALTH

TECHNICAL MEMORANDUM

To: Eric Kovatch, WEC Energy Group – Business Services

From: Eric Tlachac, Alison O'Connor, and Nate Keller

cc:

Re: Lines of evidence supporting that dissolved molybdenum concentrations in non-CCR monitoring wells at the Pleasant Prairie Power Plant Ash Landfill are naturally occurring and not a result of a release from the Landfill

September 6, 2024

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Ref. 1940102327

Previous work by Harkness et al. (2017)[1] used ion composition, stable isotope tracers, and groundwater age-dating techniques to conclude that elevated molybdenum concentrations in groundwater in southeast Wisconsin are naturally occurring and not from anthropogenic sources. The following lines of evidence (LOEs) evaluate the groundwater signature at the Pleasant Prairie Power Plant (P4) Ash Landfill against the conceptual model hypothesized by Harkness et al. of molybdenum contribution from shale bedrock to groundwater to demonstrate that the dissolved molybdenum concentrations observed in the non-CCR monitoring wells are naturally occurring, and not a result of a release from the P4 Ash Landfill.

1. Increasing dissolved molybdenum concentrations with depth
2. Decreasing total filtered alkalinity, dissolved calcium, and dissolved magnesium concentrations with depth
3. Monitored concentrations of dissolved organic carbon (DOC) are positively correlated with molybdenum concentrations in deeper groundwater, indicating a bedrock-related source because molybdenum is often associated with solid phase organic matter.

Additional information pertaining to these lines of evidence is provided below. Data used in the analyses was collected at the P4 Ash Landfill from 1993 through 2023.

LOE #1: Increasing Dissolved Molybdenum Concentrations with Depth

Dissolved molybdenum concentrations have been observed to be consistently above the Ch. NR 140, Wis Adm Code, Enforcement Standard (ES) of 40 ug/L at the following four P4 Ash Landfill non-CCR monitoring wells; their position relative to the landfill and depth are noted in parentheses:

[1] Harkness, Jennifer S., Thomas H. Darrah, Myles T. Moore, Colin J. Whyte, Paul D. Mathewson, Tyson Cook, and Avner Vengosh, 2017. Naturally Occurring versus Anthropogenic Sources of Elevated Molybdenum in Groundwater: Evidence for Geogenic Contamination from Southeast Wisconsin, United States. Environmental Science & Technology 2017 51 (21), 12190-12199.

- W17AR (downgradient, deep)
- W17BR (downgradient, intermediate depth)
- W35A (sidegradient, deep)
- W73 (downgradient, bedrock)

Box-whisker plots depicting the dissolved molybdenum concentrations observed in each monitoring well are shown in **Figure A** below.

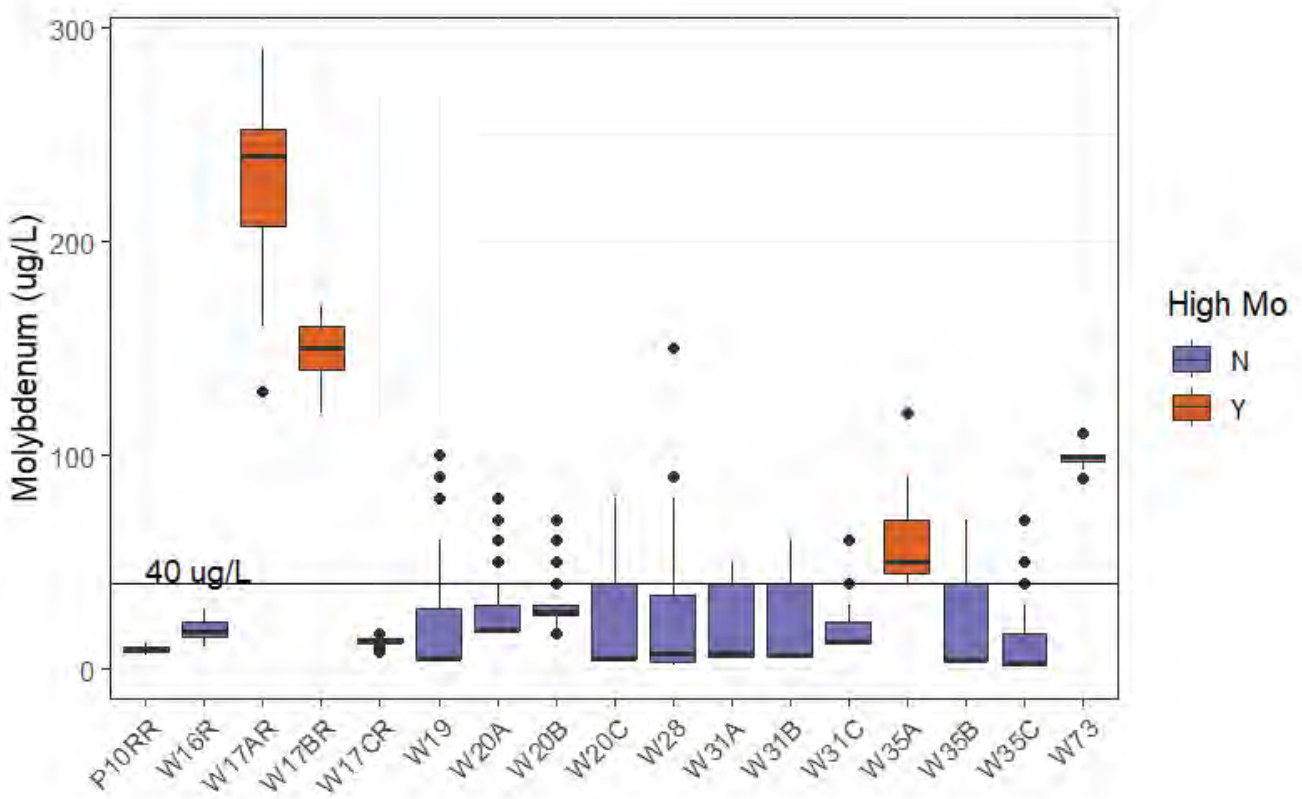

Figure A – Dissolved molybdenum concentrations in non-CCR monitoring wells at the P4 Ash Landfill.

The box-whisker plots in **Figure B** on the following page show the same information grouped by position relative to CAL. Higher dissolved molybdenum concentrations have been observed in the deep and intermediate wells relative to the shallow wells. Higher dissolved molybdenum concentrations in deep groundwater relative to shallow groundwater indicates a lack of flow path from the P4 Ash Landfill to the highest dissolved molybdenum concentrations in groundwater.

Dissolved molybdenum concentrations observed in intermediate and deep wells located sidegradient and downgradient relative to the P4 Ash Landfill are higher than those observed in upgradient wells; however, dissolved molybdenum concentrations observed in the shallow wells located in these same sidegradient and downgradient positions are similar to those observed in shallow wells located upgradient. If the P4 Ash Landfill were the source of the dissolved molybdenum in the groundwater, concentrations in the shallow wells would be higher in downgradient positions than in upgradient positions. Potential causes for dissolved molybdenum concentrations in sidegradient and downgradient wells being higher than upgradient wells include variability in the screen elevations in monitoring wells across the site within the shallow,

intermediate, and deep zones; and natural variability in molybdenum concentrations associated with the erosional bedrock surface in this area[2] exposing different layers of the dolomite bedrock with different geochemistry.

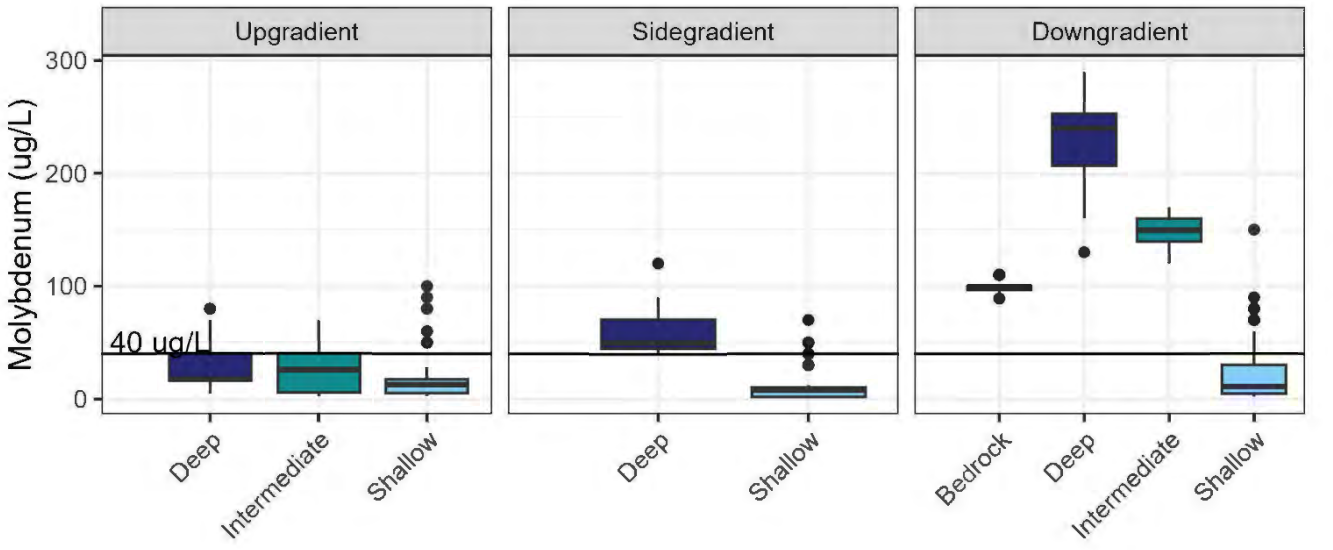

Figure B - Observed dissolved molybdenum concentrations in non-CCR monitoring wells grouped by position relative to the P4 Ash Landfill.

LOE #2: Decreasing Total Filtered Alkalinity, Dissolved Calcium, and Dissolved Magnesium Concentrations with Depth

Deeper P4 Ash Landfill non-CCR monitoring wells (as referenced in the preceding LOE) also have lower concentrations of total filtered alkalinity, dissolved calcium, and dissolved magnesium, while shallow-screened wells have higher concentrations of total filtered alkalinity, dissolved calcium, and dissolved magnesium (**Figure C**). Wells with higher dissolved molybdenum concentrations are associated with lower concentrations of total filtered alkalinity, dissolved calcium, and dissolved magnesium observed in the deeper wells (**Figure D**).

[2] STS Consultants, Ltd. 1997. Final Hydrogeologic Investigation Report, Wisconsin Electric Power Company Pleasant Prairie Power Plant Ash Landfill, Pleasant Prairie, Wisconsin.

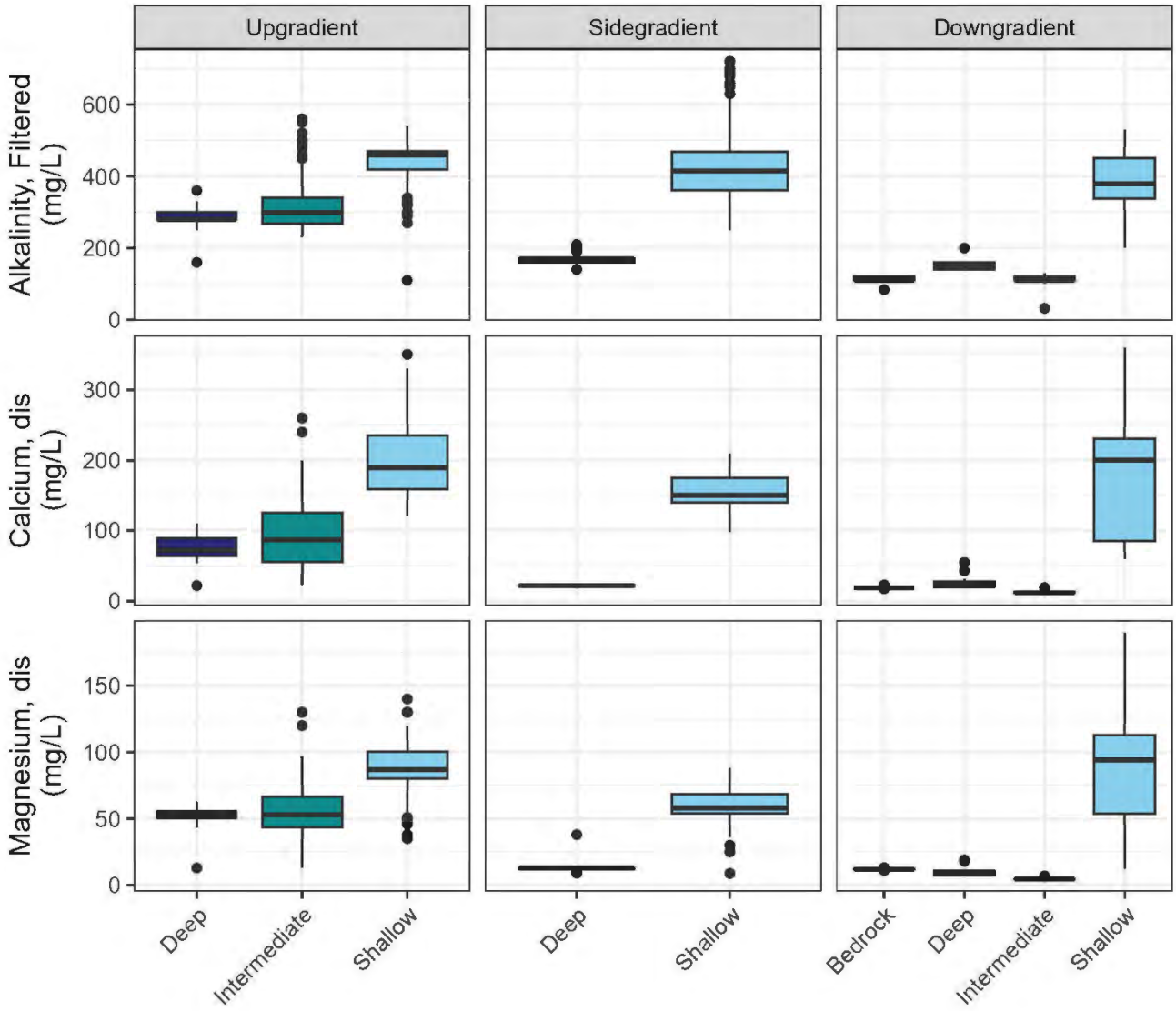

Figure C. Observed total filtered alkalinity, dissolved calcium, and dissolved magnesium concentrations in non-CCR monitoring wells grouped by well depth and position relative to the P4 Ash Landfill.

These observations are also consistent with those made by Harkness et al. (2017). Harkness et al. found that deeper groundwater had lower alkalinity, calcium, and magnesium due to older groundwater age and interaction with bedrock-influenced groundwater. As noted in LOE #1 above, Harkness et al. (2017) also observed molybdenum concentrations were elevated in deeper wells with a bedrock-related groundwater signature.

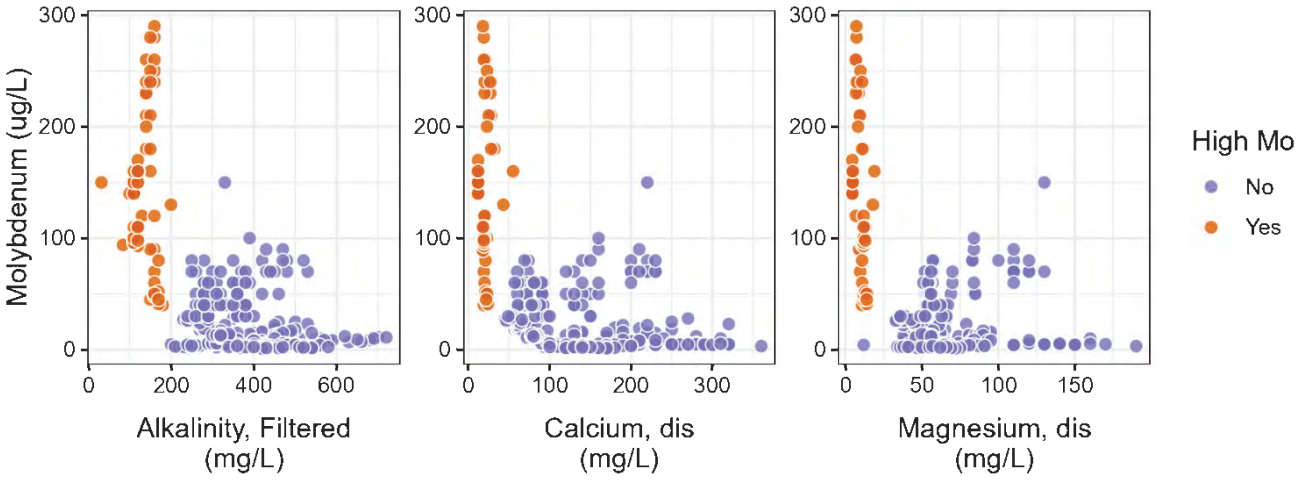

Figure D. Dissolved molybdenum plotted against total filtered alkalinity, dissolved calcium, and dissolved magnesium concentrations in P4 Ash Landfill non-CCR monitoring wells.

These observations further indicate that the source of dissolved molybdenum concentrations observed in non-CCR monitoring wells at the P4 Ash Landfill is the bedrock underlying the unlithified soils beneath the Landfill, and not a release from the Landfill.

LOE #3: Monitored Concentrations of Dissolved Organic Carbon (DOC) Are Positively Correlated With Molybdenum Concentrations In Deeper Groundwater

Molybdenum in sedimentary rocks of marine origin, such as the Maquoketa Shale underlying the Silurian Dolomite and unconsolidated soils beneath the P4 Ash Landfill, is associated with organic matter[3,4]. Release of molybdenum from these rocks to groundwater occurs as a result of dissolution of DOC[5], to which the molybdenum is sorbed. This mechanism of molybdenum release is associated with elevated concentrations of DOC in groundwater. DOC is required to be analyzed in groundwater samples collected from non-CCR monitoring wells at the P4 Ash Landfill. Upon inspection, concentrations of DOC are correlated with concentrations of dissolved molybdenum in intermediate and deep wells (**Figure E**). This observation further supports that bedrock is the source of molybdenum concentrations observed in the non-CCR monitoring wells at the P4 Ash Landfill, and not a release from the Landfill.

[3] Tribovillard, N., Riboulleau, A., Lyons, T., Baudin, F., 2004. Enhanced Trapping of Molybdenum by Sulfurized Organic Matter of Marine Origin as Recorded by Various Mesozoic Formations. Chem. Geol. 213, 385–401

[4] Zhou, H., Torres, M.A., Harris, N.B., Costin, G., Terlier, T., 2024. Apportioning the Molybdenum Budget in Shales to Improve Paleoenvironmental Interpretations, Geochimica et Cosmochimica Acta, Volume 369, 2024, Pages 71-82, ISSN 0016-7037

[5] Koopman, S., Prommer, H., Pichler, T., 2022. Molybdenum Release Triggered by Dolomite Dissolution: Experimental Evidence and Conceptual Model, Environmental Science & Technology, 56, 12325-12335

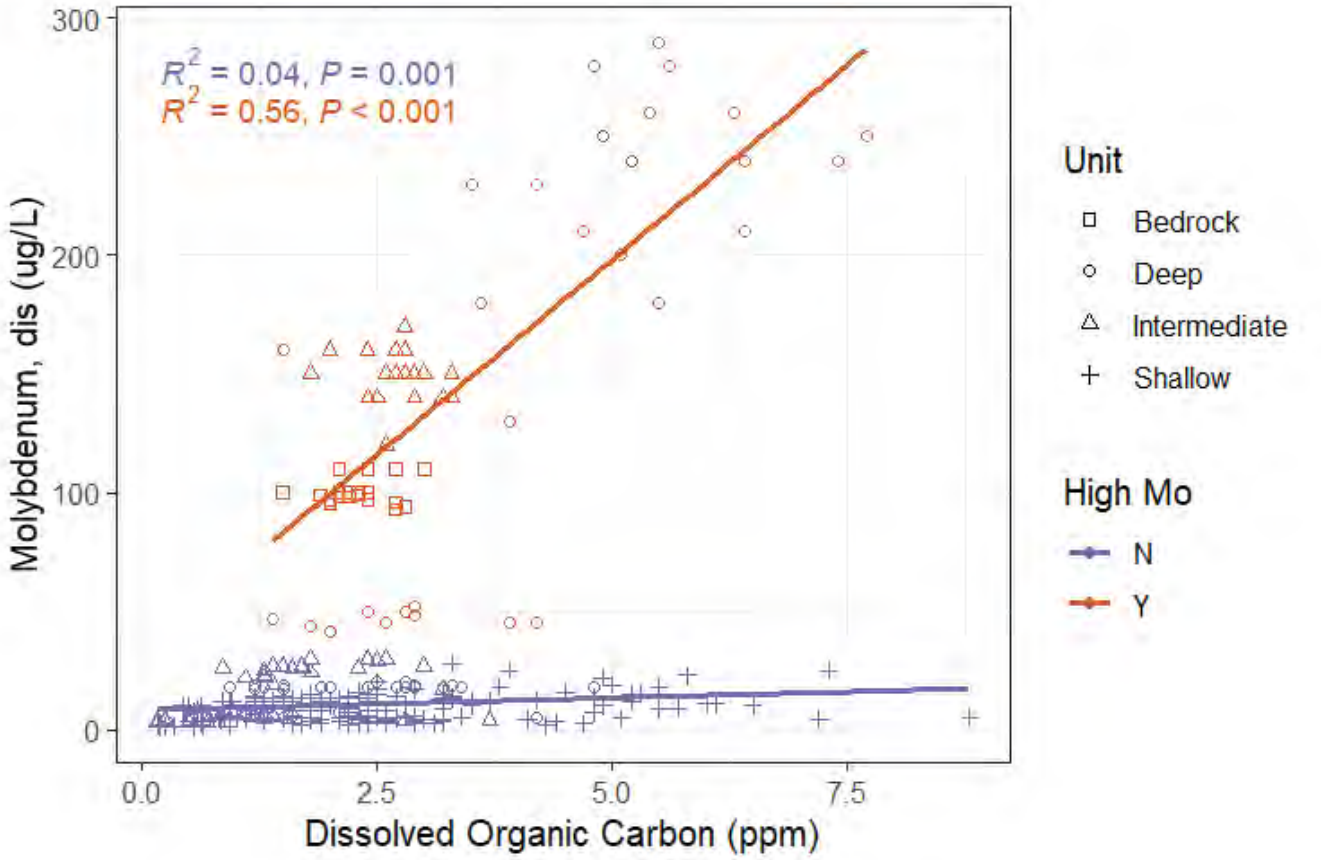

Figure E. Correlation of Dissolved Organic Carbon concentrations and dissolved molybdenum concentrations in non-CCR monitoring wells at the P4 Ash Landfill.

September 6, 2024
Project No. 2203724

VIA EMAIL: eric.kovatch@wecenergygroup.com

Mr. Eric Kovatch, P.G.
WEC Business Services, LLC
333 West Everett Street
Milwaukee, Wisconsin 53203

Re: Response to Incompleteness Determination
We Energies Pleasant Prairie Power Plant Landfill, License #2786
Pleasant Prairie, Wisconsin

Dear Mr. Kovatch:

GEI Consultants, Inc. (GEI) is pleased to provide WEC Energy Group (WEC) with this response to the Wisconsin Department of Natural Resources (WDNR) incompleteness determination and request for additional information dated March 12, 2024. On January 31, 2023, WEC submitted a Plan of Operation Modification for the We Energies Pleasant Prairie Power Plant (PPPP) Landfill (WDNR License No. 2786) as required by NR 514.045(1) of the Wisconsin Administrative Code.

In the WDNR's incompleteness determination, they requested the following:

1. Sections NR 507.15(3)(a) and NR 507.18(5), Wis. Adm. Code: The following actions are needed to complete compliance with these sections.

   a. Identify any additional preventive action limits (PALs), alternative concentration limit (ACLs) and exemption requests needed based on the most recent baseline monitoring . Provide calculations of proposed PALs and ACLs as needed.

   b. Provide additional information regarding the exemption requests included in Section 4.6 of the Environmental Sampling and Analysis Plan Addendum (Appendix O of the December 15, 2023, submittal). The information needed is as follows:

      i. The exceedance type for each exemption requested (PAL or ES).

      ii. A discussion of why the exemptions are warranted that satisfies the requirements of s. NR 140.28(2) through (4), Wis. Adm. Code. For example, discussion of exceedances attributed to background conditions may include, but not necessarily be limited to, discussion of upgradient vs. downgradient concentrations, the geological environment in which the monitoring wells are screened, and position of the wells (depth and distance) relative to the landfill.

2. Provide additional information to support the request to remove molybdenum from the environmental monitoring program. The additional information should include data to demonstrate that molybdenum comes from a non-landfill source and discussion of the geology, well depth and position, correlation of molybdenum concentration trends with other parameters, and/or portions of regional molybdenum studies that are relevant to this landfill.
3. Provide a chronological listing of all department approvals since 1978, including expedited plan modifications, along with a listing of their approval conditions, indicating the status (active, completed, or superseded) of each condition.

This letter addresses comment number 3 requesting a chronological listing of all WDNR approvals, conditions of approval, and the status of each condition since the original Plan of Operation approval dated May 12, 1978. The attached summary identifies the thirty approval letters and conditions of approval received since the landfill was originally permitted.

If you have any questions regarding the landfill permitting, approval letters, or conditions of approval, please contact Mr. John Trast at 920.455.8299 or Mr. Andrew Schwoerer at 920.471.0652.

Sincerely,

GEI Consultants, Inc.

Andrew J. Schwoerer, P.G.
Project Professional

John M. Trast, P.E., D.GE
Vice President

AJS/JXT:amp

B:\Working\WEC ENERGY GROUP\2203724 CCR Landfill Permitting\05_In_Progress\PPPP Plan of Operation\PPPP_Plan of Operation Modification_8.23.24_Submittal #3\March 2024 Response Letter\L2203724_PPPP Response Letter_FINAL_8.28.24.docx

Attachments

Pleasant Prairie Power Plant Ash Landfill Approval Conditions Summary

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
May 12, 1978 - Plan of Operation Approval				
1	All items to be completed prior to licensing	General	Completed	
2	Survey monuments	General	Active	
3	Site preparations	General	Completed	Completed on 5/14/1980
4	Site preparations report	General	Completed	Completed on 5/14/1980
5	Erosion prevention, no open burning of brush/trees	Operations	Active	
6	Schedule inspection following site preparation	General	Completed	Completed on 5/14/1980
7	Groundwater monitoring program	Operations	Superseded	Superseded by 11/20/1989 approval
8	Construction and operation per this approval	Operations	Superseded	Superseded by 7/18/2013 approval
9	Plan of Operation to be maintained	Operations	Active	
10	Operations to minimize erosion and protect ground and surface water	Operations	Active	
11	Environmental monitoring plan	Operations	Superseded	Superseded by 11/20/1989 approval
12	Surface water monitoring	Operations	Superseded	Superseded by 7/18/2013 approval
13	Soil stockpiles properly seeded	Operations	Active	
14	Drain tile removal and reports	Construction	Completed	Completed on 7/24/1981, 8/3/1982, 9/14/1983, and recieved 11/14/1983
15	Final cover system	Construction	Superseded	Superseded by 7/18/2013 approval
16	Plan modification provisions	Construction	Active	
16b	Final cover system and site abandonment	Construction	Superseded	Superseded by 7/18/2013 approval
17	Abandonment maintenance and monitoring required	Operations	Active	
18	Abandonment and phasing	Operations	Superseded	Superseded by 7/18/2013 approval
March 20, 1979 - Addendum to Plan Approval				
1	List of approved disposal materials	Operations	Superseded	Superseded by 7/18/2013 approval
2	Life expectancy	Operations	Superseded	Superseded by 7/18/2013 approval
3	Responsible person	Operations	Superseded	Superseded by 7/18/2013 approval
August 7, 1980 - Cell 1 Construction Approval				
1	Revise base grades and submit monitoring results	General	Completed	Completed on 1/17/1985
2	Revise earth balance	General	Completed	Completed on 1/17/1985
3	Revise fill capacity	General	Completed	Completed on 1/17/1985
4	Construction documentation for future cells	Submittal	Active	
May 18, 1981 - Disposal of Water Treatment Resins				
1	Allows disposal of spent water treatment resins from WEPCo Plants	Operations	Active	
May 19, 1982 - Closure and Long-Term Care Costs				
1	Proof of financial responsibility for closure	Financial Responsibility	Superseded	Superseded by 11/9/1982 approval
2	Proof of financial responsibility for long-term care	Financial Responsibility	Superseded	Superseded by 11/9/1982 approval
3	Site closure per Plan	Operations	Active	
4	Long-term care per Plan	Operations	Active	
5	Notation of site existance	Submittal	Completed	Completed on 12/8/1986

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
November 9, 1982 - Financial Assurance Net Worth Method Approval				
1	Replaces Conditions 1 and 2 of 5/19/82 approval with Net Worth Method	Financial Responsibility	Active	
December 17, 1982 - Disposal of Spent Resin Beads from PBNP				
1	WEPCo no longer owns PBNP	Operations	Completed	
October 22, 1985 - Cell 2 Site Construction Documentation Approval				
1	No conditions	General	Completed	
January 29, 1987 - Cell 1 Cover Site Construction Documentation Approval				
1	No conditions	General	Completed	
February 3, 1988 - Monitoring Well Replacement Approval (P7, P8, and P9 with P13, P15, and P15)				
1	Wells replaced by 9/3/97 approval	Operations	Superseded	Superseded by 9/3/1997 approval
November 7, 1988 - Facility Construction Documentation Approval and Plan Modification Approval, Part of Cell #3 (to 6+00E)				
1	Install 3 leachate headwells in Cell 3	Construction	Superseded	Replaced by 5/23/1989 approval
2	Install perforated pipe along Cell 3 toe	Construction	Superseded	Replaced by 5/23/1989 approval
3	Department reserves right to require leachate collection	General	Active	
4	Testing for perforated pipe leachate	Operations	Completed	Removed by 4/26/1995 approval
5	No disposal in the west area of Cell 3 until approved	Operations	Completed	
6	The 6+00 grid to be clearly marked	Operations	Completed	Removed by 4/9/1993 approval
7	Submit WIF and monitoring map	Submittal	Completed	Completed on 12/5/1988
May 23, 1989 - Modifications to Conditions 1 and 2 of 11/7/88 Plan Modification Lysimeter and Leachate Headwells				
1	Submit construction documentation	Submittal	Completed	Completed on 4/9/1990
November 20, 1989 - Groundwater Monitoring Parameter List Change				
1	Replaced by 9/3/97 approval	Operations	Superseded	Superseded by 9/3/1997 approval
June 11, 1991 - Cell 2 Cover Facility Construction Documentation Submittal				
1	No conditions	General	Completed	
April 9, 1993 - Cell 4 and West Part of Cell 3 Facility Construction Documentation Approval and Plan Modification				
1	Construction inspections	General	Superseded	Superseded by 7/18/2013 approval
2	Cell 4 rework	Construction	Completed	Complated on 1/31/1994, 12/19/1996, 2/23/2000, and 1/9/2003
October 17, 1994 - Cell 3 Cover Facility Construction Documentation Submittal				
1	No conditions	General	Completed	
October 20, 1994 - Cell 4 (West of 10+00E) Facility Construction Documentation (Retest) Approval				
1	No conditions	General	Completed	
April 26, 1995 - Cell 3 Lysimeter Abandonment Approval				
1	No conditions	General	Completed	
March 31, 1997 - Cell 4 (East of 10+00E) Facility Construction Documentation (Retest) Approval				
1	No conditions	General	Completed	
September 3, 1997 - Hydrogeologic Investigation, Monitoring Plan Modifications Approval				
1	Evaluate water table in Cell 1	Operations	Completed	Completed on 10/27/1997
2	Clarify leachate headwell information	Operations	Completed	Completed on 10/27/1997
3	Add nearest water supply well to program	Operations	Superseded	Superseded by 7/18/2013 approval
4	Selenium monitoring	Operations	Active	
5	Not a condition or request	General	Completed	

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
6a	Keep P10R in Monitoring Plan	Operations	Superseded	P10R replaced with P10RR in 2004
6b	Annual sampling of nearest private well	Operations	Superseded	Superseded by 7/18/2013 approval
6c	Groundwater elevations at each sampling event	Operations	Active	
6d	Not a condition or request	General	Completed	
March 20, 2000 - Cell 4 Coal Ash Reclaiming and Processing				
1	Temporary approval	General	Completed	Expired
February 5, 2001 - Environmental Cooperative Agreement				
1	Agreement for beneficial reuse of stored CCM as sand/gravel substitutes	Operations	Completed	Expired on 2/4/2011
March 31, 2001 - Cell 4 Coal Ash Reclaiming and Processing Deadline Extension				
1	Temporary approval	Operations	Completed	Expired
May 28, 2003 - Cells 2 & 3 Ash Reclamation Approval				
1	Berm/ditch east side	Construction	Completed	Removed as part of 7/18/2013 approval
2	South berm	Construction	Completed	Removed as part of 7/18/2013 approval
3	Monitor water in leachate ditch	Operations	Completed	Removed as part of 7/18/2013 approval
4	Check water height in ditch	Operations	Completed	Removed as part of 7/18/2013 approval
5	Remove leachate headwells	Operations	Completed	
November 17, 2004 - Cell #4 Rework Construction Documentation Approval				
1	Comply with all licensing documents	General	Active	
2	Right to acquire additional information	General	Active	
August 28, 2006 - Plan of Operation Modification for Disposal of FGD Byproducts				
1	Comply with all licensing documents	General	Active	
2	Characterization	General	Active	
May 8, 2009 - Response to Expedited Plan Modification Request, North Access Road				
1	No conditions	General	Completed	
July 14, 2011 - Response to Expedited Plan Modification Request, CCP Recovery from Cells 2 and 3				
1	No conditions	General	Completed	
July 18, 2013 - Plan of Operation Modification Approval				
1	We Energies shall comply with all conditions of the license, the provisions of ch. 289, Wis. Stats., all applicable requirements of chs. 500 through 538, Wis. Adm. Code, the plan of operation approval, and all plan modifications thereof issued by the Department.	General	Active	
2	We Energies shall specifically characterize the coal combustion by-products, FGD by-products, i.e. filter cake and off-spec gypsum, cooling tower basin solids and dewatered wastewater treatment plant solids from all facilities disposing such wastes at the P4 ash landfill and include the test results to the Department in the facility annual report.	General	Active	
3	We Energies is permitted to dispose of the following wastes in the landfill: -Pleasant Prairie Power Plant -WE Elm Road Generating Station -WE Oak Creek Power Plant -WE Valley Power Plant -WE Milwaukee County Power Plant	General	Active	

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
4	We Energies shall schedule a preconstruction meeting prior to the initiation of construction for each cell of construction of the GCL component of the liner or geomembrane component of the cap. The meeting shall be used to clarify or confirm design changes, acceptability of selected construction materials and construction concepts or practices required in the approved plan of operation or identified in the preconstruction report. At a minimum, the meeting shall include the design engineer, the appropriate Department regional and central office staff, the engineer or engineers responsible for quality assurance of all aspects of construction and the GCL and geomembrane installer.	Construction	Active	
5	We Energies shall submit a preconstruction report for construction of a composite liner and for construction of a composite cap for each cell. The Department may also require a preconstruction report for each cell of construction which utilizes other geosynthetics, or when other geosynthetic materials are used in significant structural features of the landfill. The preconstruction report shall be submitted to the Department no later than 15 days prior to each of the preconstruction meetings for the construction of the GCL of a composite liner or a geomembrane of a composite capping layer.	Construction	Active	
6	In cells where a groundwater monitoring well is located and needs to be abandoned, the liner preconstruction and construction documentation reports shall contain a copy of the abandonment report.	Construction	Active	
7	We Energies shall Proof-roll and examine subbase surfaces to determine existence of soft areas, areas loosened by frost action or softened by flooding, weather, or unsuitable materials. Areas of subbase that experience excessive deformation, pumping or stress cracking during the proof-rolling operation will be removed and replaced.	Construction	Active	
8	We Energies shall conduct leak location testing after installation of the leachate collection layer in each liner cell in accordance with s. NR 516.07(2)(d), Wis. Adm. Code.	Construction	Code Req.	
9	We Energies shall contact the Department's environmental engineer assigned to this project a minimum of one week prior to beginning the construction events listed below, for the purpose of allowing the Department to inspect the work. A fee shall be paid to the Department for the required inspection in accordance with NR 520.04(5), Wis. Adm. Code. The inspection fee shall be paid with the invoice for the construction documentation.	Construction	Code Req.	
10	The construction documentation report for the composite liner for each cell shall show that the soil barrier layer consists of on-site soil and that the consistency and compaction characteristics for each cell meets the requirements contined in s. NR 504.07(4)(a), Wis. Adm. Code.	Construction	Code Req.	
11	The construction documentation report for the final cover for each cell shall show that the FGD filter cake/flyash material meets the final cover size and compaction requirements of s. NR 504.07(4)(a) 12-16, Wis. Adm. Code. We Energies may substitute the FGD/filter cake/flyash materal for liner quality clay soil under the geomembrane or a combination soil barrier layer and GCL underneath the geomembrane.	Construction	Code Req.	

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
12	Every ten (10) years, on or before the anniversary date of this approval, We Energies shall submit a review of the key landfill engineering design features to the Department. The landfill engineering review shall evaluate the engineering design features of the approved landfill liner, leachate collection system and final cover to determine if those features are consistent with the current minimum state and federal required landfill engineering design features at the time. The review shall show if there are any design variations to the required state and federal minimum standards at the time and contain a plan modification proposal to upgrade the design to the current required state and federal minimum standards or show why retaining the approved deisgn is warranted for any unconstructed cells.	Construction	Active	
13	We Energies shall segregate the landfill of different wastes streams if they are intended for future beneficial use recovery.	Operations	Active	
14	We Energies shall control dust on the active area of the landfill. Leachate may be used as dust control on active areas.	Operations	Active	
15	We Energies shall control dust on the landfill roads exterior of the waste filling area. Clean water from sedimentation basins or another clean water source may be used as dust control on the roads.	Operations	Active	
16	We Energies shall submit an annual report by March 31 of each year.	Operations	Active	
17	All previous environmental monitoring requirements are hereby rescinded and revised with the environmental monitoring requirements of ch. NR 507, Wis. Adm. Code and the Tables 1 through 3, in Attachment #1.	Operations	Active	
18	Groundwater sampling methods shall compy with the most recent edition of the Department's "Groundwater Sampling Desk Reference", Publ-DG-03796 and the most recent edition of the Department's "Groundwater Sampling Field Reference", Publ-DG-03896. At the time of this approval, these documents can be found on the Department's internet web site.	Operations	Active	
19	Table 4 in Attachment #1 contains ACLs for dissolved boron and sulfate at certain groundwater monitoring wells that well become effective after liner construction documentation approval of cell 1. Applicable NR 140 groundwater standards shall apply to all other groundwater monitoring parameters and wells. We Energies may request NR 140 groundwater standard exemptions and propose ACLs for other parameters and wells in the future.	Operations	Active	
20	We Energies shall construct a new bedrock groundwater monitoring piezometer to be constructed in the northeast corner of the property as shown on the aerial photo attached to Tim Muehlfeld's April 25, 2013 e-mail. The bedrock piezometer shall be constructed within 90 days of the date of this approval.	Operations	Completed	
21	When groundwater monitoring well W-28 needs to be abandoned, We Energies shall propose a new groundwater monitoring well, located on the south side of the landfill, to be added to the groundwater monitoring program.	Operations	Active	
22	We Energies shall provide Net Worth Test financial responsibility for closure and long-term care in accordance with ch. NR 520, Wis. Adm. Code and the closure and long-term care attachment to this approval by March 31, 2014.	Financial Responsibility	Completed	
23	We Energies shall submit a revised closure cost estimate, within 60 days of the date of this approval, that uses either a 24-inch soil barrier layer and a GCL or a 24-inch compacted clay soil layer as part of the composite final cover, in order to more accurately represent the true cost if the Department needs to cap the landfill without FGD and fly ash available to the Department.	Financial Responsibility	Completed	

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
October 15, 2018 - Plan of Operation Modification Approval for Premature Closure				
1	Prior to any future modification to Cell 1 final cover, future liner construction or permanent closure of the landfill, a plan of operation modification shall be submitted to an approved by the department to address the proposed activities.	General	Active	
2	Proof of financial assurance for closure and long-term care shall be maintained in accordance with s. NR 520.06 and s. NR 520.07, Wis. Adm. Code until the landfill is permanently closed. A long-term care license will not be issued by the department until the landfill is permanently closed; however, We Energies will be responsible for long term care activities upon temporary closure of Cell 1.	Financial Responsibility	Active	
3	If We Energies does not complete construction of the next landfill cell liner within 10 years from the date of this approval, We Energies shall submit an updated plan of operation to the department and obtain department approval of the plan prior to construction of future cell liners. The department may require additional conditions of approval and require redesgin of the landfill in accordance with state-of-the-art design criteria.	Submittal	Active	
July 18, 2019 - Construction Documentation Approval for Cell 1 Partial Final Cover				
1	No conditions	General	Completed	
March 15, 2021 - Construction Documentation Approval for Cell 1 Partial Final Cover				
1	No conditions	General	Completed	
June 17, 2022 - Construction Documentation Approval for Cell 1 Phase 3 Partial Final Cover				
1	No conditions	General	Completed	

Revised: May 20, 2024

Active	Current condition being followed for active landfill
Completed	Condition is inactive or completed
Superseded	Condition was changed by a new Approval
Code Req.	Condition is a replica of the current code and is redundant

ATTACHMENT - SECTION 2

DECEMBER 15, 2023
PLAN OF OPERATION MODIFICATION
WE ENERGIES PLEASANT PRAIRIE POWER PLANT (PPPP) ASH LANDFILL

We Energies
333 W. Everett St.
Milwaukee, WI 53203
www.we-energies.com

December 15, 2023

Ms. Alicia Zewicki
Wisconsin Department of Natural Resources
141 NW Barstow Street, Room 180
Waukesha, WI 53188

via electronic submittal

RE: PLAN OF OPERATION MODIFICATION
WE ENERGIES PLEASANT PRAIRIE POWER PLANT (PPPP) ASH LANDFILL. LICENSE #2786 - FID# 230056310

Dear Ms. Zewicki:

Please find enclosed an updated Plan of Operation Modification (POM) for the We Energies Pleasant Prairie Power Plant (PPPP) Ash Landfill (License #2786) referenced above.

On August 1, 2022, the Wisconsin Department of Natural Resources (WDNR) updated Wisconsin Administrative Code (Wis. Adm. Code) NR 500 to include changes to new and existing Coal Combustion Residual (CCR) Landfills in Wisconsin. On January 31, 2023, an updated POM was prepared for this CCR landfill and submitted to the WDNR as required in NR 514.045. On April 28, 2023, the WDNR issued an Incompleteness Determination for the POM. As you will recall, one specific requirement of the revised NR500 rules was that the POM include baseline groundwater data for monitoring wells where water samples had previously not been analyzed for specific, required parameters. The baseline groundwater sampling has now been completed the required data is now included in this POM.

The updated POM has been prepared by GEI Consultants, Inc. and Ramboll Americas Engineering Solutions, Inc. to:

- Address the Wis. Adm. Code NR 500 requirements
- Address the items in the April 2023 Incompleteness Determination
- Provide the Department with the baseline groundwater data required by the revised regulations (the groundwater data have been provided to the WDNR GEMS staff separately to ensure proper uploading of the data into GEMS).

The baseline data are being evaluated and site-specific PALs and ACLs will be calculated in accordance with Ch. NR 507.27 as presented in Section 4.6 of the Environmental Sampling and Analysis Plan (ESAP) Addendum. As always, additional PALs and/or ACLs may be requested once all additional data has been collected and reviewed. Changes to the past NR 507 Monitoring Program have been included to eliminate various detection monitoring parameters and additional information supporting this request is provided in Section 3.2 of the ESAP Addendum.

To assist the WDNR in reviewing the updated POM, GEI and Ramboll summarized how the items identified in the April 28, 2023 Incompleteness Letter were addressed. Thus for a complete record, the following documents are attached to this cover letter:

- WDNR Letter dated April 28, 2023
  Incompleteness Determination for the Plan of Operation Approval Modification for Initial Permitting of Coal Combustion Residuals (CCR) Landfill for the We Energies Pleasant Prairie Power Plant Ash Landfill (License #2786)
- GEI Letter dated September 29, 2023
  Plan of Operation Modification – Response to Incompleteness Determination We Energies Pleasant Prairie Power Plant Ash Landfill, License #2786
- *Ash Landfill (License #3232) Caledonia, Wisconsin*
- Ramboll Letter dated December 14, 2023
  Responses to WDNR Incompleteness Determination for the Plan of Operation Approval Modification for Initial Permitting of Coal Combustion Residuals (CCR) Landfill for the We Energies Pleasant Prairie Power Plant Ash Landfill (P4) Ash Landfill (License #2786)

Please contact me at 414.221.2457 or eric.kovatch@wecenergygroup.com with any questions.

Sincerely,

Eric P. Kovatch
Facility Manager – Senior Environmental Consultant

cc: Mark Peters (WDNR)

Attachments (identified above):
WDNR letter dated April 28, 2023
GEI letter dated September 29, 2023
Ramboll letter dated December 14, 2023

Enclosure:
Plan of Operation Modification
We Energies Pleasant Prairie Power Plant Ash Landfill

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Waukesha Service Center
141 NW Barstow St. Room 180
Waukesha, WI 53188

Tony Evers, Governor
Adam N. Payne, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

April 28, 2023

FID # 230056310
Kenosha County
SW/Correspondence

Mr. Eric Kovatch
We Energies
333 W. Everett Street
Milwaukee, WI 53203

Subject: Incompleteness Determination for the Plan of Operation Approval Modification for Initial Permitting of Coal Combustion Residuals (CCR) Landfill for the We Energies Pleasant Prairie Power Plant Landfill (License #2786)

Dear Mr. Kovatch:

The Department of Natural Resources (department) has reviewed for completeness the plan of operation modification for initial permitting of a CCR Landfill ("the plan"), submitted on behalf of We Energies, by GEI Consultants, Inc. (GEI) and Ramboll Americas Engineering Solutions, Inc. for Pleasant Prairie Power Plant (P4) Landfill. The plan includes a report and set of plan sheets titled: "We Energies Pleasant Prairie Power Plant Ash Landfill, License #2786 – FID #230056310, Plan of Operation Modification", dated and received by the department on January 31, 2023.

The department has determined the plan is not complete since the minimum requirements of chs. NR 500 to 520, Wis. Adm. Code have not been met in accordance with s. NR 514.045, Wis. Adm. Code. The department understands the complexity of the new CCR rules and its implementation and will be available to discuss the following items while you work to prepare the addenda to your initial submittal.

The following information must be provided in order for the department to issue a determination that the plan is complete:

1. **Section NR 504.12(3)(a)5, Wis. Adm. Code:** Using the equation listed in this code cite, provide a demonstration showing that the liquid leachate rate of the GCL and soil barrier layer liner is not greater than the liquid leakage rate of a liner with 2 ft of compacted soil with a hydraulic conductivity of 1×10^{-7} cm/sec.

2. **Section NR 507.15(3)(h), Wis. Adm. Code**: Provide discussion in the sampling plan that the rate of groundwater flow will be determined each time groundwater is sampled. A discussion of approximate groundwater flow rate using existing groundwater flow maps and hydraulic conductivity values presented in Section 2.1.1.3 of the SAP would help demonstrate compliance with s. NR 507.15(3)(b), specifically that groundwater flow rate was considered when developing the CCR groundwater monitoring system and that the downgradient wells are sufficiently near the waste boundary to detect potential landfill impacts.

3. **Section NR 507.15(3)(i) and NR 507.15(3)(k)(1):** Provide baseline monitoring data for parameters not required under federal CCR rules when the data are available. The department acknowledges that the report states the baseline monitoring for these parameters is underway.

4. **Section NR 514.07(10)(a) 4 and 5, Wis. Adm Code:** Provide an updated fugitive dust control plan that includes a statement that the plan will be modified in accordance with s. NR 514.04(6), Wis. Adm. Code, whenever there is a change in conditions that may substantially affect the plan of operation and addresses the preparation of an annual fugitive dust control report required to be submitted in accordance with s. NR 506.20(3)(a), Wis. Adm. Code.

5. **Section NR 514.07(10)(b)3, Wis. Adm. Code:** Provide an updated run-on and run-off control system plan that includes construction procedures and a schedule for construction of the storm water control structures.

6. **Section NR 514.07(10)(d)1, Wis. Adm. Code:** Provide a long-term care schedule that includes the activities specified in s. NR 514.06(11), Wis. Adm. Code and clarify whether mowing once every five years is sufficient to prevent woody vegetation from establishing on the final cover. Please be aware that the long-term care period is 40 years for purposes of record keeping and proof of owner financial responsibility and that monitoring and maintenance of the landfill is required in perpetuity, unless an approval is granted by the department to discontinue monitoring after the 40-year long-term care period is completed.

7. Provide an explanation of seed mix for final cover and why the use of burning is proposed.

8. Provide a chronological listing of all previous department issued plan of operation and modification approvals, including expedited plan modifications, along with a listing of their approval conditions, indicating the status (active, completed or superseded) of each condition.

Please also confirm that you intended this plan of operation modification to only apply to the existing Cell 1. Section NR. 514.045(1), Wis. Adm. Code states that the plan of operation modification shall address all phases of the CCR landfill. No information was provided for future phases (Cells 2-6B) that were part of a previous plan of operation approval. If We Energies intends to incorporate those future phases in this plan of operation modification, additional information is required. Otherwise, future phases would be reviewed separately under a new plan of operation submittal. Please be aware that process may take 9-12 months.

This incompleteness determination is not a denial of the plan, but merely indicates that additional information is needed for the department to determine the plan is complete. Submittal of this information does not ensure approval, nor does it preclude the department from requiring additional information if continued review indicates it is needed.

If you have any question regarding this letter, please contact Alicia Zewicki at (262) 336-3071 or email at Alicia.Zewicki@wisconsin.gov or Mark Peters at (608) 516-0820 or email at Mark.Peters@wisconsin.gov.

Sincerely,

James C. Delwiche

James C. Delwiche
Waste and Materials Management Program Supervisor
Southeast Region

cc: John Trast – jtrast@geiconsultants.com

Andrew Schwoerer - aschwoerer@geiconsultants.com
Alicia Zewicki – DNR/WA (e-copy)
Mark Peters – DNR/WA (e-copy)
Joe Lourigan – DNR/WA (e-copy)
Malena Grimm – DNR/WA (e-copy)

GEI Consultants

Consulting Engineers and Scientists

September 29, 2023
Project 2203724

VIA EMAIL: eric.kovatch@wecenergygroup.com

Mr. Eric Kovatch, P.G.
WEC Business Services, LLC
333 West Everett Street
Milwaukee, Wisconsin 53203

Re: Plan of Operation Modification – Response to Incompleteness Determination
We Energies Pleasant Prairie Power Plant Landfill, License #2786
Pleasant Prairie, Wisconsin

Dear Mr. Kovatch:

GEI Consultants, Inc. (GEI) is pleased to provide WEC Energy Group (WEC) with this letter summarizing our responses to the Wisconsin Department of Natural Resources (WDNR) incompleteness determination for the We Energies Pleasant Prairie Power Plant (PPPP) Landfill (WDNR License No. 2786) Plan of Operation Modification, received on April 28, 2023. The WDNR requested additional information related to the design, operation, and environmental monitoring for the PPPP Ash Landfill Plan of Operation Modification as required by the updated NR 500 of the Wisconsin Administrative Code.

This letter compiles all design and operation comments by the WDNR in the incompleteness determination and includes GEI's response and explanation of how each comment was addressed in the Plan of Operation Modification, dated September 29, 2023. Ramboll has provided responses to the environmental monitoring comments in a separate letter and their updates are incorporated into the Plan of Operation Modification submittal in Appendix O.

WDNR Comments and GEI's Responses

Comment 1: Section NR 504.12(3)(a)5, Wis. Adm. Code: Using the equation listed in this code cite, provide a demonstration showing that the liquid leachate rate of the GCL and soil barrier layer liner is not greater than the liquid leakage rate of a liner with 2 ft of compacted soil with a hydraulic conductivity of 1 x 10^{-7} cm/sec.

Response to Comment 1: GEI has provided a demonstration in Appendix H using the Darcy's Law equation listed in NR 504.12(3)(a)5 titled "Liquid Leakage Rate of Base Liner Systems." This calculation demonstrates that the liquid leakage rate of the GCL and soil barrier layer liner is not greater than the liquid leakage rate of a liner with 2 feet of compacted soil with a hydraulic conductivity of 1 x 10-7 cm/sec.

Comment 2: Section NR 507.15(3)(h), Wis. Adm. Code:

Response to Comment 2: Response to be provided by Ramboll in a separate letter.

GEI Consultants, Inc.
3159 Voyager Drive, Green Bay, WI 54311
920.455.8200

Comment 3: Section NR 507.15(3)(i) and NR 507.15(3)(k)(1), Wis. Adm. Code:

Response to Comment 3: Response to be provided by Ramboll in a separate letter.

Comment 4: Sections NR 514.07(10)(a)4 and 5, Wis. Adm. Code: Provide an updated fugitive dust control plan that includes a statement that the plan will be modified in accordance with s. NR 514.04(6) whenever there is a change in conditions that may substantially affect the plan of operation and addresses the preparation of an annual fugitive dust control report required to be submitted in accordance with s. NR 506.20(3)(a), Wis. Adm. Code.

Response to Comment 4: An updated fugitive dust control plan is attached in Appendix J and includes the requirements outlined in NR 514.07(10)(a) 4 and 5.

Comment 5: Section NR 514.07(10)(b)3, Wis. Adm. Code: Provide an updated run-on and run-off control system plan that includes construction procedures and a schedule for construction of the storm water control structures.

Response to Comment 5: The run-on and run-off control system plan has not been updated to include construction procedures and a schedule for construction of the storm water control structures because Cell 1 of the PPPP Ash Landfill is closed and WEC plans to enter the landfill into long-term care. The current Run-on and Run-off Control Plan was last updated in June 2022 after the last phase of final cover on Cell 1 was constructed and approved by the WDNR, and no additional run-on and run-off control systems will be constructed. The existing control systems will be inspected each year as required by the Post-Closure Plan and will be repaired if defects are observed.

Comment 6: Section NR 514.07(10)(d)1, Wis. Adm. Code: Provide a long-term care schedule that includes the activities specified in s. NR 514.06(11), Wis. Adm. Code and clarify whether mowing once every five years is sufficient to prevent woody vegetation from establishing on the final cover. Please be aware that the long-term care period is 40-years for purposes of record keeping and proof of financial owner financial responsibility and that monitoring, and maintenance of the landfill is required in perpetuity, unless an approval is granted by the department to discontinue monitoring after the 40-year long-term care period is completed.

Response to Comment 6: A long-term care schedule has been added to the Post-Closure Plan in Appendix M that includes activities and frequencies specified s. NR 514.06(11) such as final cover repairs and vegetation maintenance, inspections of the stormwater control structures and final cover system, leachate collection system cleaning, and environmental monitoring of the groundwater and leachate.

In the Post-Closure Plan, mowing the final cover system is specified to occur annually for the first five years and then once every five years for the duration of post-closure care. Annual inspections to the final cover system will confirm that this duration of mowing has prevented woody vegetation from establishing on the final cover system. Mowing on a more frequent basis can be implemented if the annual inspections determine that mowing once every five years has not prevented the establishment of woody vegetation.

Lastly, the Post-Closure Plan was modified to change the long-term care period to 40-years and states that, “monitoring of the landfill is required in perpetuity, unless an approval is granted by the department to discontinue monitoring after the 40-year long-term care period is completed.”

Comment 7: Provide an explanation of seed mix for final cover and why the use of burning is proposed.

Response to Comment 7: Section 5.6.4 in the Plan of Operation Modification has been updated to include the seed mix used on the Cell 1 final cover, which was a WI 327 Rare and Declining Habitat (SAFE) Mesic CP42 Pollinator-Monarch 10/30 Wisconsin Conservation Mix provided by Taylor Creek Restoration Nurseries of Brodhead, WI. The prairie seed mix was applied at a rate of 25.77 pounds per acre and a nurse crop of annual rye grass was applied at a rate of 32.53 pounds per acre. Additionally, the suggestion that burning may be employed to control invasive species and woody vegetation was kept in the Post-Closure Plan (Appendix L), as it is a common native prairie restoration practice and could potentially be used on the final cover, if necessary.

Comment 8: Provide a chronological listing of all previous department issued plan of operation and modification approvals, including expedited plan modifications, along with a listing of their approval conditions, indicating the status (active, completed, or superseded) of each condition.

Response to Comment 8: A complete and chronological list of all previous department issued plan of operation modification approvals has been prepared and is included at the beginning of the Plan of Operation Modification submittal.

GEI also confirms that it is intended for the Plan of Operation Modification to only apply to the existing Cell 1, as WEC plans to enter the PPPP Ash Landfill into long-term care. If you have any questions regarding these responses, please contact Mr. John Trast at 920.455.8299 or Mr. Andrew Schwoerer at 920.471.0652.

Sincerely,

GEI CONSULTANTS, INC.

Andrew J. Schwoerer, P.G.
Project Professional

John M. Trast, P.E., D.GE
Vice President/Senior Waste Management Leader

AJS:amp
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RAMBOLL

ENVIRONMENT
& HEALTH

Eric Kovatch
Senior Environmental Consultant – Waste, Recycling & Disposal
WEC Energy Group – Business Services
333 W Everett St,
Milwaukee, WI 53203

Responses to WDNR Incompleteness Determination for the Plan of Operation Approval Modification for Initial Permitting of Coal Combustion Residuals (CCR) Landfill for the We Energies Pleasant Prairie Power Plant Ash Landfill (P4) Ash Landfill (License #2786)

December 14, 2023

Ramboll
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USA

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Ref. 1940104079

Dear Eric:

Per your request, Ramboll Americas Engineering Solutions, Inc. (Ramboll) has drafted the following responses to the subject letter from the Wisconsin Department of Natural Resources' (WDNR's) dated April 28, 2023.

WDNR Comment:

2. **Section NR 507.15(3)(h), Wis. Adm. Code: Provide discussion in the sampling plan that the rate of groundwater flow will be determined each time groundwater is sampled. A discussion of approximate groundwater flow rate using existing groundwater flow maps and hydraulic conductivity values presented in Section 2.1.1.3 of the SAP would help demonstrate compliance with s. NR 507.15(3)(b), Wis. Adm. Code specifically that groundwater flow rate was considered when developing the CCR groundwater monitoring system and that the downgradient wells are sufficiently near the waste boundary to detect potential landfill impacts.**

Response: Following collection of groundwater elevations during sampling events, a groundwater elevation contour map will be prepared and used to calculate hydraulic gradients. The groundwater flow rate will be calculated using hydraulic conductivity values included in Section 2.1.1.3 and an estimated effective porosity of 10 percent.

Based on hydraulic conductivities included in Section 2.1.1.3, the calculated gradient in April 2022 (from the groundwater elevation contour map provided as Figure 2-8 in the ESAP Addendum), and an effective porosity of 10 percent, average flow velocities range from 8.6 $x10^{-2}$ ft/yr to 8.6 ft/yr in the dolomite.

The downgradient CCR wells (W73, W74, W75, and W76) are located at the waste boundary of the landfill, as required by Ch. NR 507.15(3)(L)4, in the observed directions of groundwater flow. These wells are screened in the uppermost aquifer (bedrock, because the intermediate sand zone is not present in all places at the site). The intermediate sand zone and other sand lenses are monitored as part of the existing Ch. NR 507 monitoring program.

WDNR Comment

3. **Section NR 507.15(3)(i) and NR 507.15(3)(k)(1): Provide baseline monitoring data for parameters not required under federal CCR rules when the data are available. The department acknowledges that the report states the baseline monitoring for these parameters is underway.**

Response: Baseline data was collected on approximately a monthly frequency throughout 2023. Data from the first three sampling events in January, March, and April 2023 were submitted with the June 30, 2023 GEMS submittal (enclosed for reference). Data from the remaining six sampling events in May, June, July, August, September, and October 2023, and from prior sampling events for 40 C.F.R. Part 257 Subpart D compliance between 2015 and 2022, are being submitted at the same time as this letter (also enclosed for reference).

We sincerely appreciate this continued opportunity to support WEC Energy Group with CCR Initial Permitting for the P4 Ash Landfill. If you have any questions or comments on the above responses, please contact us.

Sincerely,

Nathaniel R. Keller, PG
Senior Managing Hydrogeologist?

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Eric J. Tlachac, PE
Senior Managing Engineer

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Enclosures: June 30, 2023 GEMS Submittal
GEMS Submittal for May-October 2023 and 2015-2022 CCR Baseline Sampling Events

JUNE 30, 2023 GEMS SUBMITTAL

RAMBOLL

ENVIRONMENT
& HEALTH

Mike Solomon
GEMS Data Submittal Contact – WA/5
Bureau of Waste and Materials Management
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921

GROUNDWATER MONITORING DATA FOR WE ENERGIES ASH LANDFILLS
Pleasant Prairie Power Plant Ash Landfill

June 30, 2023

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA

T 414-837-3607
F 414-837-3608
www.ramboll.com

Ref. 1940102327

Dear Mr. Solomon:

Please find contained on the enclosed CD groundwater monitoring data for the We Energies ash landfill listed below. These data have been prepared in accordance with the GEMS comma delimited electronic submittal format specifications and can be found on the CD by the filename(s) indicated.

License No.:	#02786
Facility ID. No. (FID):	FID 230056310
Facility Name:	Pleasant Prairie Power Plant Ash Landfill
Sample Result Month:	January and March 2023 (Catchup Rounds) April 2023 (GEMS Data)
CD Filename:	JanMar23-02786.csv Apr23-02786.csv

Along with the CD, the following items are also enclosed:

1. An Environmental Monitoring Data Certification form for each site reported on this CD.
2. An Exceedance Report table indicating where the applicable Preventive Action Limits (PAL), Enforcement Standards (ES), or Alternate Concentration Limits (ACL) have been exceeded. Please contact Eric Kovatch at We Energies at (414) 221-2457 to discuss the cause and significance of any exceedances, as well as the status of investigations and/or remediation at any of these sites.

Enclosed with this data package are the Semi-annual GEMS parameters, the newly added CCR wells (W20D, W73, W74, W75, W76, and W77) and parameters (both included in the Apr23 file), and two additional rounds (January and March of 2023) of baseline parameter sampling for the newly added CCR wells (JanMar23 file).

The monitoring wells and concentrations listed on the attached Exceedance Report are consistent with data previously submitted for the Pleasant Prairie Power Plant Ash Landfill, considering seasonal influences, except for the CCR wells, which were not previously monitored for the Wisconsin Department of Natural Resources (WDNR). Exceedances and parameters for the non-CCR wells are as described in detail the *2022 Annual Report-Compliance Certification*, dated March 23, 2023 (2022 Annual Report). As described in the 2022 Annual Report concentrations are indicative of background in the shallow till or are suspected impacts from earlier ash disposal operations and the previous landfill; all ash from old landfill cells has been removed and the landfill has been redesigned with a composite liner and

leachate collection. Pleasant Prairie Power Plant was retired in 2018. A plan of operation modification request was submitted to WDNR on August 31, 2018 to provide for the premature closure of Cell 1, that plan was approved on October 15, 2018. The final cover was completed in December 2021 and no additional materials will be added to the landfill. The site is expected to be closed and enter long-term care in 2023.

Parameters with exceedances in groundwater collected from the CCR wells (total boron, total fluoride, and total sulfate) are at concentrations consistent with observed background concentrations, which are elevated above the respective PALs for these parameters. Accordingly, ACLs for these parameters were requested in the Plan of Operation Modification required by Ch. NR 514.045 and submitted to WDNR on January 31, 2023. An Incompleteness Determination letter was received on April 28, 2023, indicating additional information is needed to evaluate the Plan of Operation Modification, and therefore the proposed ACLs have not been evaluated.

If you have any questions regarding this submittal or We Energies groundwater data management and compliance reporting program, please call me at (414) 837-3630.

Sincerely,

Nate Keller, PG
Senior Hydrogeologist

D +1 414 837 3630
nate.keller@ramboll.com

cc: Mark Peters, WDNR

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
We Energies

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Eric Kovatch	(414) 221-2457

Email
eric.kovatch@wecenergygroup.com

Facility Name
Pleasant Prairie PP Ash Landfill

License # / Monitoring ID	Facility ID (FID)
#02786	230056310

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
April 10-11, 2023	April 2023

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Nate Keller, PG	Senior Hydrogeologist	(414) 837-3630

/s/ Nathaniel R. Keller
Signature

06/30/2023
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

Pleasant Prairie Ash LF
Limit Exceptions (List)

Date Range: 04/01/2023 to 05/01/2023

LimitType	Parameter	Code	Units	Location	Sample Date	Analysis Result	Lower Limit	Upper Limit
PAL	Boron, dissolved	01020	mg/L	W16R	04/10/2023	0.4060	0.0000	0.2000
				W17CR	04/10/2023	0.5030	0.0000	0.2000
				W19	04/10/2023	0.6820	0.0000	0.2000
				W73	04/11/2023	0.3900	0.0000	0.2000
	Boron, total	01022		W20D	04/11/2023	0.46	0.00	0.20
				W73	04/11/2023	0.44	0.00	0.20
				W74	04/11/2023	0.41	0.00	0.20
				W75	04/11/2023	0.43	0.00	0.20
				W76	04/11/2023	0.45	0.00	0.20
				W77	04/11/2023	0.42	0.00	0.20
	Fluoride, total	00951		W20D	04/11/2023	1.000 J	0.000	0.800
				W73	04/11/2023	1.000 J	0.000	0.800
				W74	04/11/2023	1.000 J	0.000	0.800
				W75	04/11/2023	1.000 J	0.000	0.800
				W76	04/11/2023	0.900 J	0.000	0.800
				W77	04/11/2023	1.100 J	0.000	0.800
	Molybdenum, dissolved	01060	ug/L	P10RR	04/10/2023	9.20	0.00	8.00
				W16R	04/10/2023	14.60	0.00	8.00
				W17AR	04/10/2023	240.00	0.00	8.00
				W17BR	04/11/2023	156.00	0.00	8.00
				W17CR	04/10/2023	13.10	0.00	8.00
				W20A	04/10/2023	18.00	0.00	8.00
				W20B	04/11/2023	30.30	0.00	8.00
				W31C	04/10/2023	12.00	0.00	8.00
				W35A	04/10/2023	45.30	0.00	8.00
				W73	04/11/2023	98.20	0.00	8.00
	Sulfate, dissolved	00946	mg/L	W16R	04/10/2023	275.000	0.000	125.000
				W17CR	04/10/2023	494.000	0.000	125.000
				W19	04/10/2023	620.000	0.000	125.000
				W20C	04/10/2023	1230.000	0.000	125.000
				W28	04/10/2023	164.000	0.000	125.000
				W31A	04/10/2023	135.000	0.000	125.000
				W31B	04/11/2023	132.000	0.000	125.000

Pleasant Prairie Ash LF
Limit Exceptions (List)

Date Range: 04/01/2023 to 05/01/2023

LimitType	Parameter	Code	Units	Location	Sample Date	Analysis Result	Lower Limit	Upper Limit
PAL	Sulfate, dissolved	00946	mg/L	W73	04/11/2023	129.000	0.000	125.000
	Sulfate, total	00945		W20D	04/11/2023	170	0	125
				W73	04/11/2023	130	0	125
				W74	04/11/2023	150	0	125
				W76	04/11/2023	130	0	125
				W77	04/11/2023	130	0	125
ES	Molybdenum, dissolved	01060	ug/L	W35A	04/10/2023	45.30	0.00	40.00

02786	292	00410	230130	01	1	114		M	M	M	20.	66.66	230101	230213	AE64760	Std Mtd 2320B	241329000
02786	292	00410	230306	01	1	116		M	M	M	20.	66.66	230301	230314	AE65327	Std Mtd 2320B	241329000
02786	292	00630	230130	01	1	0.13		M	M	M	0.011	0.036	230101	230131	AE64760	EPA 353.2	241329000
02786	292	00630	230306	01	1	0.129		M	M	M	0.011	0.036	230301	230304	AE65327	EPA 353.2	241329000
02786	292	00900	230130	01	1	100		M	M	M	1.	3.333	230101	230301	AE64760	Std Mtd 2340B	241329000
02786	292	00900	230306	01	1	120		M	M	M	1.	3.333	230301	230501	AE65327	Std Mtd 2340B	241329000
02786	292	00916	230130	01	1	20		M	M	M	0.0012	0.004	230101	230222	AE64760	EPA 200.7	241329000
02786	292	00916	230306	01	1	23.7		M	M	M	0.043	0.14	230301	230323	AE65327	EPA 200.7	241329000
02786	292	00927	230130	01	1	13		M	M	M	0.0035	0.012	230101	230222	AE64760	EPA 200.7	241329000
02786	292	00927	230306	01	1	14.7		M	M	M	0.0071	0.024	230301	230323	AE65327	EPA 200.7	241329000
02786	292	01042	230130	01	1	0.95	J	M	M	M	0.65	2.2	230101	230222	AE64760	EPA 200.7	241329000
02786	292	01042	230306	01	1	2	J	M	M	M	1.6	5.2	230301	230323	AE65327	EPA 200.7	241329000
02786	292	01055	230130	01	1	8.7		M	M	M	0.27	0.9	230101	230222	AE64760	EPA 200.7	241329000
02786	292	01055	230306	01	1	26		M	M	M	0.11	0.38	230301	230323	AE65327	EPA 200.7	241329000
02786	292	01077	230130	01	1		N	M	M	M	2.6	8.7	230101	230222	AE64760	EPA 200.7	241329000
02786	292	01077	230306	01	1		N	M	M	M	1.2	4.	230301	230323	AE65327	EPA 200.7	241329000
02786	292	01092	230130	01	1	12		M	M	M	1.8	6.	230101	230222	AE64760	EPA 200.7	241329000
02786	292	01092	230306	01	1	5	J	M	M	M	1.8	6.	230301	230323	AE65327	EPA 200.7	241329000
02786	300	00410	230130	01	1	111		M	M	M	20.	66.66	230101	230213	AE64759	Std Mtd 2320B	241329000
02786	300	00410	230306	01	1	118		M	M	M	20.	66.66	230301	230314	AE65326	Std Mtd 2320B	241329000
02786	300	00630	230130	01	1	0.95		M	M	M	0.011	0.036	230101	230131	AE64759	EPA 353.2	241329000
02786	300	00630	230306	01	1	0.1585		M	M	M	0.011	0.036	230301	230315	AE65326	EPA 353.2	241329000
02786	300	00900	230130	01	1	130		M	M	M	1.	3.333	230101	230301	AE64759	Std Mtd 2340B	241329000
02786	300	00900	230306	01	1	130		M	M	M	1.	3.333	230301	230323	AE65326	Std Mtd 2340B	241329000
02786	300	00916	230130	01	1	25		M	M	M	0.0012	0.004	230101	230222	AE64759	EPA 200.7	241329000
02786	300	00916	230306	01	1	25.5		M	M	M	0.0124	0.0414	230301	230323	AE65326	EPA 200.7	241329000
02786	300	00927	230130	01	1	16		M	M	M	0.0035	0.012	230101	230222	AE64759	EPA 200.7	241329000
02786	300	00927	230306	01	1	16.5		M	M	M	0.0071	0.024	230301	230323	AE65326	EPA 200.7	241329000
02786	300	01042	230130	01	1		N	M	M	M	0.65	2.2	230101	230222	AE64759	EPA 200.7	241329000
02786	300	01042	230306	01	1		N	M	M	M	1.6	5.2	230301	230323	AE65326	EPA 200.7	241329000
02786	300	01055	230130	01	1	46		M	M	M	0.27	0.9	230101	230222	AE64759	EPA 200.7	241329000
02786	300	01055	230306	01	1	37		M	M	M	0.2	0.7	230301	230323	AE65326	EPA 200.7	241329000
02786	300	01077	230130	01	1		N	M	M	M	2.6	8.7	230101	230222	AE64759	EPA 200.7	241329000
02786	300	01077	230306	01	1		N	M	M	M	0.8	2.8	230301	230323	AE65326	EPA 200.7	241329000
02786	300	01092	230130	01	1	4.5	J	M	M	M	1.8	6.	230101	230222	AE64759	EPA 200.7	241329000
02786	300	01092	230306	01	1		N	M	M	M	1.4	4.7	230301	230323	AE65326	EPA 200.7	241329000
02786	302	00410	230306	01	1	114		M	M	M	20.	66.66	230301	230314	AE65328	Std Mtd 2320B	241329000
02786	302	00630	230306	01	1	0.1569		M	M	M	0.011	0.036	230301	230314	AE65328	EPA 353.2	241329000
02786	302	00900	230306	01	1	110		M	M	M	1.	3.333	230301	230425	AE65328	Std Mtd 2340B	241329000
02786	302	00916	230306	01	1	19.6		M	M	M	0.043	0.14	230301	230425	AE65328	EPA 200.7	241329000
02786	302	00927	230306	01	1	15.2		M	M	M	0.0071	0.024	230301	230425	AE65328	EPA 200.7	241329000
02786	302	01042	230306	01	1		N	M	M	M	1.6	5.2	230301	230425	AE65328	EPA 200.7	241329000
02786	302	01055	230306	01	1	24		M	M	M	0.11	0.38	230301	230425	AE65328	EPA 200.7	241329000
02786	302	01077	230306	01	1		N	M	M	M	1.2	4.	230301	230427	AE65328	EPA 200.7	241329000
02786	302	01092	230306	01	1	2	J	M	M	M	1.8	6.	230301	230425	AE65328	EPA 200.7	241329000
02786	304	00410	230130	01	1	121		M	M	M	20.	66.66	230101	230213	AE64761	Std Mtd 2320B	241329000
02786	304	00410	230306	01	1	126		M	M	M	20.	66.66	230301	230314	AE65329	Std Mtd 2320B	241329000
02786	304	00410	230306	02	1	124		M	M	M	20.	66.66	230301	230314	AE65332	Std Mtd 2320B	241329000
02786	304	00630	230130	01	1	0.15		M	M	M	0.011	0.036	230101	230131	AE64761	EPA 353.2	241329000
02786	304	00630	230306	01	1	0.1306		M	M	M	0.011	0.036	230301	230314	AE65329	EPA 353.2	241329000
02786	304	00630	230306	02	1	0.1165		M	M	M	0.011	0.036	230301	230314	AE65332	EPA 353.2	241329000
02786	304	00900	230130	01	1	100		M	M	M	1.	3.333	230101	230301	AE64761	Std Mtd 2340B	241329000
02786	304	00900	230306	01	1	110		M	M	M	1.	3.333	230301	230425	AE65329	Std Mtd 2340B	241329000
02786	304	00900	230306	02	1	110		M	M	M	1.	3.333	230301	230425	AE65332	Std Mtd 2340B	241329000
02786	304	00916	230130	01	1	20		M	M	M	0.0012	0.004	230101	230222	AE64761	EPA 200.7	241329000
02786	304	00916	230306	01	1	20.2		M	M	M	0.043	0.14	230301	230425	AE65329	EPA 200.7	241329000
02786	304	00916	230306	02	1	20.3		M	M	M	0.043	0.14	230301	230425	AE65332	EPA 200.7	241329000
02786	304	00927	230130	01	1	13		M	M	M	0.0035	0.012	230101	230222	AE64761	EPA 200.7	241329000
02786	304	00927	230306	01	1	13.6		M	M	M	0.0071	0.024	230301	230425	AE65329	EPA 200.7	241329000
02786	304	00927	230306	02	1	13.7		M	M	M	0.0071	0.024	230301	230425	AE65332	EPA 200.7	241329000
02786	304	01042	230130	01	1		N	M	M	M	0.65	2.2	230101	230222	AE64761	EPA 200.7	241329000
02786	304	01042	230306	01	1		N	M	M	M	1.6	5.2	230301	230425	AE65329	EPA 200.7	241329000
02786	304	01042	230306	02	1		N	M	M	M	1.6	5.2	230301	230425	AE65332	EPA 200.7	241329000
02786	304	01055	230130	01	1	11		M	M	M	0.27	0.9	230101	230222	AE64761	EPA 200.7	241329000
02786	304	01055	230306	01	1	12		M	M	M	0.11	0.38	230301	230425	AE65329	EPA 200.7	241329000
02786	304	01055	230306	02	1	12		M	M	M	0.11	0.38	230301	230425	AE65332	EPA 200.7	241329000
02786	304	01077	230130	01	1		N	M	M	M	2.6	8.7	230101	230222	AE64761	EPA 200.7	241329000
02786	304	01077	230306	01	1		N	M	M	M	1.2	4.	230301	230427	AE65329	EPA 200.7	241329000
02786	304	01077	230306	02	1		N	M	M	M	1.2	4.	230301	230427	AE65332	EPA 200.7	241329000
02786	304	01092	230130	01	1	4	J	M	M	M	1.8	6.	230101	230222	AE64761	EPA 200.7	241329000
02786	304	01092	230306	01	1		N	M	M	M	1.8	6.	230301	230425	AE65329	EPA 200.7	241329000
02786	304	01092	230306	02	1		N	M	M	M	1.8	6.	230301	230425	AE65332	EPA 200.7	241329000
02786	306	00410	230130	01	1	115		M	M	M	20.	66.66	230101	230213	AE64762	Std Mtd 2320B	241329000
02786	306	00410	230306	01	1	118		M	M	M	20.	66.66	230301	230314	AE65330	Std Mtd 2320B	241329000

02786	306	00630	230130	01	1	0.14		M	M	M	0.011	0.036	230101	230131	AE64762	EPA 353.2	241329000
02786	306	00630	230306	01	1	0.1319		M	M	M	0.011	0.036	230301	230314	AE65330	EPA 353.2	241329000
02786	306	00900	230130	01	1	97		M	M	M	1.	3.333	230101	230301	AE64762	Std Mtd 2340B	241329000
02786	306	00900	230306	01	1	100		M	M	M	1.	3.333	230301	230425	AE65330	Std Mtd 2340B	241329000
02786	306	00916	230130	01	1	19		M	M	M	0.0012	0.004	230101	230222	AE64762	EPA 200.7	241329000
02786	306	00916	230306	01	1	19.4		M	M	M	0.043	0.14	230301	230425	AE65330	EPA 200.7	241329000
02786	306	00927	230130	01	1	12		M	M	M	0.0035	0.012	230101	230222	AE64762	EPA 200.7	241329000
02786	306	00927	230306	01	1	12.5		M	M	M	0.0071	0.024	230301	230425	AE65330	EPA 200.7	241329000
02786	306	01042	230130	01	1		N	M	M	M	0.65	2.2	230101	230222	AE64762	EPA 200.7	241329000
02786	306	01042	230306	01	1		N	M	M	M	1.6	5.2	230301	230425	AE65330	EPA 200.7	241329000
02786	306	01055	230130	01	1	35		M	M	M	0.27	0.9	230101	230222	AE64762	EPA 200.7	241329000
02786	306	01055	230306	01	1	30		M	M	M	0.11	0.38	230301	230425	AE65330	EPA 200.7	241329000
02786	306	01077	230130	01	1		N	M	M	M	2.6	8.7	230101	230222	AE64762	EPA 200.7	241329000
02786	306	01077	230306	01	1		N	M	M	M	1.2	4.	230301	230427	AE65330	EPA 200.7	241329000
02786	306	01092	230130	01	1	5	J	M	M	M	1.8	6.	230101	230222	AE64762	EPA 200.7	241329000
02786	306	01092	230306	01	1	2	J	M	M	M	1.8	6.	230301	230425	AE65330	EPA 200.7	241329000
02786	308	00410	230130	01	1	150		M	M	M	20.	66.66	230101	230213	AE64763	Std Mtd 2320B	241329000
02786	308	00410	230130	02	1	147		M	M	M	20.	66.66	230101	230213	AE64764	Std Mtd 2320B	241329000
02786	308	00410	230306	01	1	157		M	M	M	20.	66.66	230301	230314	AE65331	Std Mtd 2320B	241329000
02786	308	00630	230130	01	1	0.15		M	M	M	0.011	0.036	230101	230131	AE64763	EPA 353.2	241329000
02786	308	00630	230130	02	1	0.45		M	M	M	0.011	0.036	230101	230131	AE64764	EPA 353.2	241329000
02786	308	00630	230306	01	1	0.1285		M	M	M	0.011	0.036	230301	230314	AE65331	EPA 353.2	241329000
02786	308	00900	230130	01	1	120		M	M	M	1.	3.333	230101	230301	AE64763	Std Mtd 2340B	241329000
02786	308	00900	230130	02	1	120		M	M	M	1.	3.333	230101	230301	AE64764	Std Mtd 2340B	241329000
02786	308	00900	230306	01	1	120		M	M	M	1.	3.333	230301	230425	AE65331	Std Mtd 2340B	241329000
02786	308	00916	230130	01	1	25		M	M	M	0.0012	0.004	230101	230222	AE64763	EPA 200.7	241329000
02786	308	00916	230130	02	1	25		M	M	M	0.0012	0.004	230101	230222	AE64764	EPA 200.7	241329000
02786	308	00916	230306	01	1	25.1		M	M	M	0.043	0.14	230301	230425	AE65331	EPA 200.7	241329000
02786	308	00927	230130	01	1	14		M	M	M	0.0035	0.012	230101	230222	AE64763	EPA 200.7	241329000
02786	308	00927	230130	02	1	14		M	M	M	0.0035	0.012	230101	230222	AE64764	EPA 200.7	241329000
02786	308	00927	230306	01	1	13.9		M	M	M	0.0071	0.024	230301	230425	AE65331	EPA 200.7	241329000
02786	308	01042	230130	01	1	1.5	J	M	M	M	0.65	2.2	230101	230222	AE64763	EPA 200.7	241329000
02786	308	01042	230130	02	1		N	M	M	M	0.65	2.2	230101	230222	AE64764	EPA 200.7	241329000
02786	308	01042	230306	01	1		N	M	M	M	1.6	5.2	230301	230425	AE65331	EPA 200.7	241329000
02786	308	01055	230130	01	1	90		M	M	M	0.27	0.9	230101	230222	AE64763	EPA 200.7	241329000
02786	308	01055	230130	02	1	89		M	M	M	0.27	0.9	230101	230222	AE64764	EPA 200.7	241329000
02786	308	01055	230306	01	1	73		M	M	M	0.11	0.38	230301	230425	AE65331	EPA 200.7	241329000
02786	308	01077	230130	01	1		N	M	M	M	2.6	8.7	230101	230222	AE64763	EPA 200.7	241329000
02786	308	01077	230130	02	1		N	M	M	M	2.6	8.7	230101	230222	AE64764	EPA 200.7	241329000
02786	308	01077	230306	01	1		N	M	M	M	1.2	4.	230301	230427	AE65331	EPA 200.7	241329000
02786	308	01092	230130	01	1	4.8	J	M	M	M	1.8	6.	230101	230222	AE64763	EPA 200.7	241329000
02786	308	01092	230130	02	1	2.1	J	M	M	M	1.8	6.	230101	230222	AE64764	EPA 200.7	241329000
02786	308	01092	230306	01	1		N	M	M	M	1.8	6.	230301	230425	AE65331	EPA 200.7	241329000
02786	997	00410	230130	01	1		N	M	M	M	20.	66.66	230101	230213	AE64765	Std Mtd 2320B	241329000
02786	997	00410	230306	01	1	1.91		M	M	M	20.	66.66	230301	230314	AE65333	Std Mtd 2320B	241329000
02786	997	00630	230130	01	1		N	M	M	M	0.011	0.036	230101	230131	AE64765	EPA 353.2	241329000
02786	997	00630	230306	01	1	0.0086	J	M	M	M	0.011	0.036	230301	230314	AE65333	EPA 353.2	241329000
02786	997	00900	230130	01	1	1.3		M	M	M	1.	3.333	230101	230301	AE64765	Std Mtd 2340B	241329000
02786	997	00900	230306	01	1	0.7		M	M	M	1.	3.333	230301	230425	AE65333	Std Mtd 2340B	241329000
02786	997	00916	230130	01	1	0.3		M	M	M	0.0012	0.004	230101	230222	AE64765	EPA 200.7	241329000
02786	997	00916	230306	01	1	0.148		M	M	M	0.043	0.14	230301	230425	AE65333	EPA 200.7	241329000
02786	997	00927	230130	01	1	0.13		M	M	M	0.0035	0.012	230101	230222	AE64765	EPA 200.7	241329000
02786	997	00927	230306	01	1	0.081		M	M	M	0.0071	0.024	230301	230425	AE65333	EPA 200.7	241329000
02786	997	01042	230130	01	1	0.78	J	M	M	M	0.65	2.2	230101	230222	AE64765	EPA 200.7	241329000
02786	997	01042	230306	01	1		N	M	M	M	1.6	5.2	230301	230425	AE65333	EPA 200.7	241329000
02786	997	01055	230130	01	1	0.43	J	M	M	M	0.27	0.9	230101	230222	AE64765	EPA 200.7	241329000
02786	997	01055	230306	01	1		N	M	M	M	0.11	0.38	230301	230425	AE65333	EPA 200.7	241329000
02786	997	01077	230130	01	1		N	M	M	M	2.6	8.7	230101	230222	AE64765	EPA 200.7	241329000
02786	997	01077	230306	01	1		N	M	M	M	1.2	4.	230301	230427	AE65333	EPA 200.7	241329000
02786	997	01092	230130	01	1		N	M	M	M	1.8	6.	230101	230222	AE64765	EPA 200.7	241329000
02786	997	01092	230306	01	1		N	M	M	M	1.8	6.	230301	230425	AE65333	EPA 200.7	241329000

02786	228	00010	230410	01	1	14		M	M	M	0.1	0.3333	230401	230410	AE65964	TEMP	241329000
02786	228	00094	230410	01	1	483		M	M	M	0.	0.	230401	230410	AE65964	FCOND25	241329000
02786	228	00400	230410	01	1	7.7		M	M	M	0.1	0.1	230401	230410	AE65964	FieldPH	241329000
02786	228	00681	230410	01	1	7.4		M	M	M	0.14	0.5	230401	230425	AE65964	Std Mtd 5310C	405132750
02786	228	00946	230410	01	1	43.5		M	M	M	0.44	2.	230401	230424	AE65964	EPA 300.0	405132750
02786	228	01020	230410	01	1	0.519		M	M	M	0.003	0.01	230401	230420	AE65964	EPA 200.7	405132750
02786	228	01060	230410	01	1	240		M	M	M	0.44	1.5	230401	230420	AE65964	EPA 200.7	405132750
02786	228	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65964	EPA 200.8	405132750
02786	228	04189	230410	01	1	679.13		M	M	M	0.	0.	230401		AE65964	calculated	241329000
02786	228	22413	230410	01	1	113		M	M	M	0.32	1.7	230401	230420	AE65964	Std Mtd 2340B	405132750
02786	228	39036	230410	01	1	149		M	M	M	5.	10.	230401	230420	AE65964	Std Mtd 2320B	405132750
02786	228	72002	230410	01	1	10.94		M	M	M	0.05	0.1667	230401	230410	AE65964	H2OD	241329000
02786	230	00010	230411	01	1	11.5		M	M	M	0.1	0.3333	230401	230411	AE65965	TEMP	241329000
02786	230	00094	230411	01	1	285		M	M	M	0.	0.	230401	230411	AE65965	FCOND25	241329000
02786	230	00400	230411	01	1	8.3		M	M	M	0.1	0.1	230401	230411	AE65965	FieldPH	241329000
02786	230	00681	230411	01	1	2.7		M	M	M	0.14	0.5	230401	230425	AE65965	Std Mtd 5310C	405132750
02786	230	00946	230411	01	1	19.7		M	M	M	0.44	2.	230401	230424	AE65965	EPA 300.0	405132750
02786	230	01020	230411	01	1	0.613		M	M	M	0.003	0.01	230401	230420	AE65965	EPA 200.7	405132750
02786	230	01060	230411	01	1	156		M	M	M	0.44	1.5	230401	230420	AE65965	EPA 200.7	405132750
02786	230	01145	230411	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65965	EPA 200.8	405132750
02786	230	04189	230411	01	1	677.22		M	M	M	0.	0.	230401		AE65965	calculated	241329000
02786	230	22413	230411	01	1	50.2		M	M	M	0.32	1.7	230401	230420	AE65965	Std Mtd 2340B	405132750
02786	230	39036	230411	01	1	115		M	M	M	5.	10.	230401	230420	AE65965	Std Mtd 2320B	405132750
02786	230	72002	230411	01	1	13.13		M	M	M	0.05	0.1667	230401	230411	AE65965	H2OD	241329000
02786	232	00010	230410	01	1	11.9		M	M	M	0.1	0.3333	230401	230410	AE65966	TEMP	241329000
02786	232	00094	230410	01	1	1781		M	M	M	0.	0.	230401	230410	AE65966	FCOND25	241329000
02786	232	00400	230410	01	1	7.4		M	M	M	0.1	0.1	230401	230410	AE65966	FieldPH	241329000
02786	232	00681	230410	01	1	3.3		M	M	M	0.14	0.5	230401	230426	AE65966	Std Mtd 5310C	405132750
02786	232	00946	230410	01	1	494		M	M	M	8.9	40.	230401	230424	AE65966	EPA 300.0	405132750
02786	232	01020	230410	01	1	0.503		M	M	M	0.003	0.01	230401	230420	AE65966	EPA 200.7	405132750
02786	232	01060	230410	01	1	13.1		M	M	M	0.44	1.5	230401	230420	AE65966	EPA 200.7	405132750
02786	232	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65966	EPA 200.8	405132750
02786	232	04189	230410	01	1	686.34		M	M	M	0.	0.	230401		AE65966	calculated	241329000
02786	232	22413	230410	01	1	694		M	M	M	0.32	1.7	230401	230420	AE65966	Std Mtd 2340B	405132750
02786	232	39036	230410	01	1	462		M	M	M	5.	10.	230401	230420	AE65966	Std Mtd 2320B	405132750
02786	232	72002	230410	01	1	3.77		M	M	M	0.05	0.1667	230401	230410	AE65966	H2OD	241329000
02786	233	00010	230410	01	1	12.3		M	M	M	0.1	0.3333	230401	230410	AE65968	TEMP	241329000
02786	233	00094	230410	01	1	1595		M	M	M	0.	0.	230401	230410	AE65968	FCOND25	241329000
02786	233	00400	230410	01	1	7.2		M	M	M	0.1	0.1	230401	230410	AE65968	FieldPH	241329000
02786	233	00681	230410	01	1	5.1		M	M	M	0.14	0.5	230401	230426	AE65968	Std Mtd 5310C	405132750
02786	233	00681	230410	02	1	5.2		M	M	M	0.14	0.5	230401	230426	AE65980	Std Mtd 5310C	405132750
02786	233	00946	230410	01	1	620		M	M	M	22.2	100.	230401	230424	AE65968	EPA 300.0	405132750
02786	233	00946	230410	02	1	698		M	M	M	22.2	100.	230401	230424	AE65980	EPA 300.0	405132750
02786	233	01020	230410	01	1	0.682		M	M	M	0.003	0.01	230401	230420	AE65968	EPA 200.7	405132750
02786	233	01020	230410	02	1	0.687		M	M	M	0.003	0.01	230401	230420	AE65980	EPA 200.7	405132750
02786	233	01060	230410	01	1	4.7		M	M	M	0.44	1.5	230401	230420	AE65968	EPA 200.7	405132750
02786	233	01060	230410	02	1	4.6		M	M	M	0.44	1.5	230401	230420	AE65980	EPA 200.7	405132750
02786	233	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65968	EPA 200.8	405132750
02786	233	01145	230410	02	1		N	M	M	M	0.32	1.1	230401	230420	AE65980	EPA 200.8	405132750
02786	233	04189	230410	01	1	684.48		M	M	M	0.	0.	230401		AE65968	calculated	241329000
02786	233	22413	230410	01	1	872		M	M	M	0.32	1.7	230401	230420	AE65968	Std Mtd 2340B	405132750
02786	233	22413	230410	02	1	866		M	M	M	0.32	1.7	230401	230420	AE65980	Std Mtd 2340B	405132750
02786	233	39036	230410	01	1	302		M	M	M	5.	10.	230401	230420	AE65968	Std Mtd 2320B	405132750
02786	233	39036	230410	02	1	301		M	M	M	5.	10.	230401	230420	AE65980	Std Mtd 2320B	405132750
02786	233	72002	230410	01	1	7.42		M	M	M	0.05	0.1667	230401	230410	AE65968	H2OD	241329000
02786	235	00010	230410	01	1	15.6		M	M	M	0.1	0.3333	230401	230410	AE65967	TEMP	241329000
02786	235	00094	230410	01	1	894		M	M	M	0.	0.	230401	230410	AE65967	FCOND25	241329000
02786	235	00400	230410	01	1	7.6		M	M	M	0.1	0.1	230401	230410	AE65967	FieldPH	241329000
02786	235	00681	230410	01	1	4.8		M	M	M	0.14	0.5	230401	230426	AE65967	Std Mtd 5310C	405132750
02786	235	00946	230410	01	1	105		M	M	M	2.2	10.	230401	230424	AE65967	EPA 300.0	405132750
02786	235	01020	230410	01	1	0.304		M	M	M	0.003	0.01	230401	230420	AE65967	EPA 200.7	405132750
02786	235	01060	230410	01	1	18		M	M	M	0.44	1.5	230401	230420	AE65967	EPA 200.7	405132750
02786	235	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65967	EPA 200.8	405132750
02786	235	04189	230410	01	1	681.55		M	M	M	0.	0.	230401		AE65967	calculated	241329000
02786	235	22413	230410	01	1	384		M	M	M	0.32	1.7	230401	230420	AE65967	Std Mtd 2340B	405132750
02786	235	39036	230410	01	1	277		M	M	M	5.	10.	230401	230420	AE65967	Std Mtd 2320B	405132750
02786	235	72002	230410	01	1	5.61		M	M	M	0.05	0.1667	230401	230410	AE65967	H2OD	241329000
02786	237	00010	230411	01	1	11.3		M	M	M	0.1	0.3333	230401	230411	AE65969	TEMP	241329000
02786	237	00094	230411	01	1	592		M	M	M	0.	0.	230401	230411	AE65969	FCOND25	241329000
02786	237	00400	230411	01	1	7.8		M	M	M	0.1	0.1	230401	230411	AE65969	FieldPH	241329000
02786	237	00681	230411	01	1	2.6		M	M	M	0.14	0.5	230401	230426	AE65969	Std Mtd 5310C	405132750
02786	237	00946	230411	01	1	85.1		M	M	M	2.2	10.	230401	230424	AE65969	EPA 300.0	405132750
02786	237	01020	230411	01	1	0.281		M	M	M	0.003	0.01	230401	230420	AE65969	EPA 200.7	405132750
02786	237	01060	230411	01	1	30.3		M	M	M	0.44	1.5	230401	230420	AE65969	EPA 200.7	405132750

02786	237	01145	230411	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65969	EPA 200.8	405132750
02786	237	04189	230411	01	1	681.11		M	M	M	0.	0.	230401		AE65969	calculated	241329000
02786	237	22413	230411	01	1	271		M	M	M	0.32	1.7	230401	230420	AE65969	Std Mtd 2340B	405132750
02786	237	39036	230411	01	1	238		M	M	M	5.	10.	230401	230420	AE65969	Std Mtd 2320B	405132750
02786	237	72002	230411	01	1	5.89		M	M	M	0.05	0.1667	230401	230411	AE65969	H2OD	241329000
02786	239	00010	230410	01	1	11.7		M	M	M	0.1	0.3333	230401	230410	AE65970	TEMP	241329000
02786	239	00094	230410	01	1	2861		M	M	M	0.	0.	230401	230410	AE65970	FCOND25	241329000
02786	239	00400	230410	01	1	7		M	M	M	0.1	0.1	230401	230410	AE65970	FieldPH	241329000
02786	239	00681	230410	01	1	4.4		M	M	M	0.14	0.5	230401	230426	AE65970	Std Mtd 5310C	405132750
02786	239	00946	230410	01	1	1230		M	M	M	22.2	100.	230401	230424	AE65970	EPA 300.0	405132750
02786	239	01020	230410	01	1	0.194		M	M	M	0.003	0.01	230401	230420	AE65970	EPA 200.7	405132750
02786	239	01060	230410	01	1	3.2		M	M	M	0.44	1.5	230401	230420	AE65970	EPA 200.7	405132750
02786	239	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65970	EPA 200.8	405132750
02786	239	04189	230410	01	1	681.52		M	M	M	0.	0.	230401		AE65970	calculated	241329000
02786	239	22413	230410	01	1	1660		M	M	M	3.2	17.	230401	230420	AE65970	Std Mtd 2340B	405132750
02786	239	39036	230410	01	1	444		M	M	M	5.	10.	230401	230420	AE65970	Std Mtd 2320B	405132750
02786	239	72002	230410	01	1	5		M	M	M	0.05	0.1667	230401	230410	AE65970	H2OD	241329000
02786	247	00010	230410	01	1	13		M	M	M	0.1	0.3333	230401	230410	AE65971	TEMP	241329000
02786	247	00094	230410	01	1	965		M	M	M	0.	0.	230401	230410	AE65971	FCOND25	241329000
02786	247	00400	230410	01	1	7.4		M	M	M	0.1	0.1	230401	230410	AE65971	FieldPH	241329000
02786	247	00681	230410	01	1	3.2		M	M	M	0.14	0.5	230401	230426	AE65971	Std Mtd 5310C	405132750
02786	247	00946	230410	01	1	164		M	M	M	2.2	10.	230401	230424	AE65971	EPA 300.0	405132750
02786	247	01020	230410	01	1	0.074		M	M	M	0.003	0.01	230401	230420	AE65971	EPA 200.7	405132750
02786	247	01060	230410	01	1	4.4		M	M	M	0.44	1.5	230401	230420	AE65971	EPA 200.7	405132750
02786	247	01145	230410	01	1	2.2		M	M	M	0.32	1.1	230401	230420	AE65971	EPA 200.8	405132750
02786	247	04189	230410	01	1	678.45		M	M	M	0.	0.	230401		AE65971	calculated	241329000
02786	247	22413	230410	01	1	527		M	M	M	0.32	1.7	230401	230420	AE65971	Std Mtd 2340B	405132750
02786	247	39036	230410	01	1	239		M	M	M	5.	10.	230401	230420	AE65971	Std Mtd 2320B	405132750
02786	247	72002	230410	01	1	4.97		M	M	M	0.05	0.1667	230401	230410	AE65971	H2OD	241329000
02786	249	00010	230410	01	1	14		M	M	M	0.1	0.3333	230401	230410	AE65972	TEMP	241329000
02786	249	00094	230410	01	1	1036		M	M	M	0.	0.	230401	230410	AE65972	FCOND25	241329000
02786	249	00400	230410	01	1	7.5		M	M	M	0.1	0.1	230401	230410	AE65972	FieldPH	241329000
02786	249	00681	230410	01	1	4.2		M	M	M	0.14	0.5	230401	230426	AE65972	Std Mtd 5310C	405132750
02786	249	00946	230410	01	1	135		M	M	M	2.2	10.	230401	230424	AE65972	EPA 300.0	405132750
02786	249	01020	230410	01	1	0.0772		M	M	M	0.003	0.01	230401	230420	AE65972	EPA 200.7	405132750
02786	249	01060	230410	01	1	5.4		M	M	M	0.44	1.5	230401	230420	AE65972	EPA 200.7	405132750
02786	249	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65972	EPA 200.8	405132750
02786	249	04189	230410	01	1	681.03		M	M	M	0.	0.	230401		AE65972	calculated	241329000
02786	249	22413	230410	01	1	512		M	M	M	0.32	1.7	230401	230420	AE65972	Std Mtd 2340B	405132750
02786	249	39036	230410	01	1	310		M	M	M	5.	10.	230401	230420	AE65972	Std Mtd 2320B	405132750
02786	249	72002	230410	01	1	2.69		M	M	M	0.05	0.1667	230401	230410	AE65972	H2OD	241329000
02786	251	00010	230411	01	1	11.3		M	M	M	0.1	0.3333	230401	230411	AE65973	TEMP	241329000
02786	251	00094	230411	01	1	971		M	M	M	0.	0.	230401	230411	AE65973	FCOND25	241329000
02786	251	00400	230411	01	1	7.5		M	M	M	0.1	0.1	230401	230411	AE65973	FieldPH	241329000
02786	251	00681	230411	01	1	1.2		M	M	M	0.14	0.5	230401	230426	AE65973	Std Mtd 5310C	405132750
02786	251	00946	230411	01	1	132		M	M	M	2.2	10.	230401	230424	AE65973	EPA 300.0	405132750
02786	251	01020	230411	01	1	0.0784		M	M	M	0.003	0.01	230401	230420	AE65973	EPA 200.7	405132750
02786	251	01060	230411	01	1	5.6		M	M	M	0.44	1.5	230401	230420	AE65973	EPA 200.7	405132750
02786	251	01145	230411	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65973	EPA 200.8	405132750
02786	251	04189	230411	01	1	682		M	M	M	0.	0.	230401		AE65973	calculated	241329000
02786	251	22413	230411	01	1	529		M	M	M	0.32	1.7	230401	230420	AE65973	Std Mtd 2340B	405132750
02786	251	39036	230411	01	1	309		M	M	M	5.	10.	230401	230420	AE65973	Std Mtd 2320B	405132750
02786	251	72002	230411	01	1	1.77		M	M	M	0.05	0.1667	230401	230411	AE65973	H2OD	241329000
02786	253	00010	230410	01	1	11.9		M	M	M	0.1	0.3333	230401	230410	AE65974	TEMP	241329000
02786	253	00094	230410	01	1	1017		M	M	M	0.	0.	230401	230410	AE65974	FCOND25	241329000
02786	253	00400	230410	01	1	7.8		M	M	M	0.1	0.1	230401	230410	AE65974	FieldPH	241329000
02786	253	00681	230410	01	1	3.7		M	M	M	0.14	0.5	230401	230426	AE65974	Std Mtd 5310C	405132750
02786	253	00946	230410	01	1	109		M	M	M	2.2	10.	230401	230424	AE65974	EPA 300.0	405132750
02786	253	01020	230410	01	1	0.0894		M	M	M	0.003	0.01	230401	230420	AE65974	EPA 200.7	405132750
02786	253	01060	230410	01	1	12		M	M	M	0.44	1.5	230401	230420	AE65974	EPA 200.7	405132750
02786	253	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65974	EPA 200.8	405132750
02786	253	04189	230410	01	1	679.03		M	M	M	0.	0.	230401		AE65974	calculated	241329000
02786	253	22413	230410	01	1	428		M	M	M	0.32	1.7	230401	230420	AE65974	Std Mtd 2340B	405132750
02786	253	39036	230410	01	1	318		M	M	M	5.	10.	230401	230420	AE65974	Std Mtd 2320B	405132750
02786	253	72002	230410	01	1	4.9		M	M	M	0.05	0.1667	230401	230410	AE65974	H2OD	241329000
02786	257	00010	230410	01	1	13.3		M	M	M	0.1	0.3333	230401	230410	AE65975	TEMP	241329000
02786	257	00094	230410	01	1	451		M	M	M	0.	0.	230401	230410	AE65975	FCOND25	241329000
02786	257	00400	230410	01	1	8		M	M	M	0.1	0.1	230401	230410	AE65975	FieldPH	241329000
02786	257	00681	230410	01	1	4.2		M	M	M	0.14	0.5	230401	230426	AE65975	Std Mtd 5310C	405132750
02786	257	00946	230410	01	1	8.9		M	M	M	0.44	2.	230401	230424	AE65975	EPA 300.0	405132750
02786	257	01020	230410	01	1	0.477		M	M	M	0.003	0.01	230401	230420	AE65975	EPA 200.7	405132750
02786	257	01060	230410	01	1	45.3		M	M	M	0.44	1.5	230401	230420	AE65975	EPA 200.7	405132750
02786	257	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65975	EPA 200.8	405132750
02786	257	04189	230410	01	1	679.47		M	M	M	0.	0.	230401		AE65975	calculated	241329000

02786	257	22413	230410	01	1	114		M	M	M	0.32	1.7	230401	230420	AE65975	Std Mtd 2340B	405132750
02786	257	39036	230410	01	1	165		M	M	M	5.	10.	230401	230420	AE65975	Std Mtd 2320B	405132750
02786	257	72002	230410	01	1	5.13		M	M	M	0.05	0.1667	230401	230410	AE65975	H2OD	241329000
02786	259	00010	230410	01	1	13.1		M	M	M	0.1	0.3333	230401	230410	AE65976	TEMP	241329000
02786	259	00094	230410	01	1	2009		M	M	M	0.	0.	230401	230410	AE65976	FCOND25	241329000
02786	259	00400	230410	01	1	7.2		M	M	M	0.1	0.1	230401	230410	AE65976	FieldPH	241329000
02786	259	00681	230410	01	1	3.7		M	M	M	0.14	0.5	230401	230426	AE65976	Std Mtd 5310C	405132750
02786	259	00946	230410	01	1	45.8		M	M	M	0.44	2.2	230401	230424	AE65976	EPA 300.0	405132750
02786	259	01020	230410	01	1	0.0834		M	M	M	0.003	0.01	230401	230420	AE65976	EPA 200.7	405132750
02786	259	01060	230410	01	1	4.3		M	M	M	0.44	1.5	230401	230420	AE65976	EPA 200.7	405132750
02786	259	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65976	EPA 200.8	405132750
02786	259	04189	230410	01	1	680.64		M	M	M	0.	0.	230401		AE65976	calculated	241329000
02786	259	22413	230410	01	1	606		M	M	M	0.32	1.7	230401	230420	AE65976	Std Mtd 2340B	405132750
02786	259	39036	230410	01	1	497		M	M	M	5.	10.	230401	230420	AE65976	Std Mtd 2320B	405132750
02786	259	72002	230410	01	1	3.18		M	M	M	0.05	0.1667	230401	230410	AE65976	H2OD	241329000
02786	261	00010	230410	01	1	11.9		M	M	M	0.1	0.3333	230401	230410	AE65977	TEMP	241329000
02786	261	00094	230410	01	1	1888		M	M	M	0.	0.	230401	230410	AE65977	FCOND25	241329000
02786	261	00400	230410	01	1	7.2		M	M	M	0.1	0.1	230401	230410	AE65977	FieldPH	241329000
02786	261	00681	230410	01	1	4.3		M	M	M	0.14	0.5	230401	230426	AE65977	Std Mtd 5310C	405132750
02786	261	00946	230410	01	1	43.8		M	M	M	0.44	2.	230401	230424	AE65977	EPA 300.0	405132750
02786	261	01020	230410	01	1	0.0563		M	M	M	0.003	0.01	230401	230420	AE65977	EPA 200.7	405132750
02786	261	01060	230410	01	1	1.9		M	M	M	0.44	1.5	230401	230420	AE65977	EPA 200.7	405132750
02786	261	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65977	EPA 200.8	405132750
02786	261	04189	230410	01	1	680.51		M	M	M	0.	0.	230401		AE65977	calculated	241329000
02786	261	22413	230410	01	1	612		M	M	M	0.32	1.7	230401	230420	AE65977	Std Mtd 2340B	405132750
02786	261	39036	230410	01	1	516		M	M	M	5.	10.	230401	230420	AE65977	Std Mtd 2320B	405132750
02786	261	72002	230410	01	1	3.45		M	M	M	0.05	0.1667	230401	230410	AE65977	H2OD	241329000
02786	289	00010	230410	01	1	10.5		M	M	M	0.1	0.3333	230401	230410	AE65963	TEMP	241329000
02786	289	00094	230410	01	1	1109		M	M	M	0.	0.	230401	230410	AE65963	FCOND25	241329000
02786	289	00400	230410	01	1	7.2		M	M	M	0.1	0.1	230401	230410	AE65963	FieldPH	241329000
02786	289	00681	230410	01	1	5.3		M	M	M	0.28	1.	230401	230425	AE65963	Std Mtd 5310C	405132750
02786	289	00946	230410	01	1	275		M	M	M	4.4	20.	230401	230424	AE65963	EPA 300.0	405132750
02786	289	01020	230410	01	1	0.406		M	M	M	0.003	0.01	230401	230420	AE65963	EPA 200.7	405132750
02786	289	01060	230410	01	1	14.6		M	M	M	0.44	1.5	230401	230420	AE65963	EPA 200.7	405132750
02786	289	01145	230410	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65963	EPA 200.8	405132750
02786	289	04189	230410	01	1	683.7		M	M	M	0.	0.	230401		AE65963	calculated	241329000
02786	289	22413	230410	01	1	625		M	M	M	0.32	1.7	230401	230420	AE65963	Std Mtd 2340B	405132750
02786	289	39036	230410	01	1	319		M	M	M	5.	10.	230401	230420	AE65963	Std Mtd 2320B	405132750
02786	289	72002	230410	01	1	5.11		M	M	M	0.05	0.1667	230401	230410	AE65963	H2OD	241329000
02786	290	00010	230410	01	1	13.7		M	M	M	0.1	0.3333	230401	230410	AE65962	TEMP	241329000
02786	290	00094	230410	01	1	2256		M	M	M	0.	0.	230401	230410	AE65962	FCOND25	241329000
02786	290	00400	230410	01	1	7		M	M	M	0.1	0.1	230401	230410	AE65962	FieldPH	241329000
02786	290	00681	230410	01	1	5.7		M	M	M	0.42	1.5	230401	230425	AE65962	Std Mtd 5310C	405132750
02786	290	00946	230410	01	1	78		M	M	M	4.4	20.	230401	230424	AE65962	EPA 300.0	405132750
02786	290	01020	230410	01	1	0.152		M	M	M	0.003	0.01	230401	230420	AE65962	EPA 200.7	405132750
02786	290	01060	230410	01	1	9.2		M	M	M	0.44	1.5	230401	230420	AE65962	EPA 200.7	405132750
02786	290	01145	230410	01	1	0.34	J	M	M	M	0.32	1.1	230401	230420	AE65962	EPA 200.8	405132750
02786	290	04189	230410	01	1	681.94		M	M	M	0.	0.	230401		AE65962	calculated	241329000
02786	290	22413	230410	01	1	661		M	M	M	0.32	1.7	230401	230420	AE65962	Std Mtd 2340B	405132750
02786	290	39036	230410	01	1	645		M	M	M	5.	10.	230401	230420	AE65962	Std Mtd 2320B	405132750
02786	290	72002	230410	01	1	2.35		M	M	M	0.05	0.1667	230401	230410	AE65962	H2OD	241329000
02786	292	00010	230411	01	1	11.8		M	M	M	0.1	0.3333	230401	230411	AE65978	TEMP	241329000
02786	292	00094	230411	01	1	522		M	M	M	0.	0.	230401	230411	AE65978	FCOND25	241329000
02786	292	00400	230411	01	1	8.3		M	M	M	0.1	0.1	230401	230411	AE65978	FieldPH	241329000
02786	292	00410	230411	01	1	110		M	M	M	2.	6.	230401	230502	AE65960	Std Mtd 2320B	241249360
02786	292	00630	230411	01	1		N	M	M	M	0.4	0.72	230401	230502	AE65960	EPA 353.2	241249360
02786	292	00681	230411	01	1	2.1		M	M	M	0.14	0.5	230401	230426	AE65978	Std Mtd 5310C	405132750
02786	292	00900	230411	01	1	94		M	M	M	1.	3.333	230401	230502	AE65960	Std Mtd 2340B	241249360
02786	292	00916	230411	01	1	18		M	M	M	0.04	0.1	230401	230502	AE65960	EPA 200.7	241249360
02786	292	00927	230411	01	1	12		M	M	M	0.04	0.1	230401	230502	AE65960	EPA 200.7	241249360
02786	292	00940	230411	01	1	12		M	M	M	1.	3.4	230401	230502	AE65960	EPA 300.0	241249360
02786	292	00945	230411	01	1	130		M	M	M	2.	6.8	230401	230502	AE65960	EPA 300.0	241249360
02786	292	00946	230411	01	1	129		M	M	M	2.2	10.	230401	230424	AE65978	EPA 300.0	405132750
02786	292	00951	230411	01	1	1	J	M	M	M	0.6	2.	230401	230502	AE65960	EPA 300.0	241249360
02786	292	01020	230411	01	1	0.39		M	M	M	0.003	0.01	230401	230420	AE65978	EPA 200.7	405132750
02786	292	01022	230411	01	1	0.44		M	M	M	0.01	0.05	230401	230502	AE65960	EPA 200.7	241249360
02786	292	01042	230411	01	1		N	M	M	M	4.	10.	230401	230502	AE65960	EPA 200.7	241249360
02786	292	01055	230411	01	1	7	J	M	M	M	4.	10.	230401	230502	AE65960	EPA 200.7	241249360
02786	292	01060	230411	01	1	98.2		M	M	M	0.44	1.5	230401	230420	AE65978	EPA 200.7	405132750
02786	292	01077	230411	01	1		N	M	M	M	20.	70.	230401	230502	AE65960	EPA 200.7	241249360
02786	292	01092	230411	01	1		N	M	M	M	20.	70.	230401	230502	AE65960	EPA 200.7	241249360
02786	292	01145	230411	01	1		N	M	M	M	0.32	1.1	230401	230420	AE65978	EPA 200.8	405132750
02786	292	04189	230411	01	1	670.11		M	M	M	0.	0.	230401		AE65978	calculated	241329000
02786	292	22413	230411	01	1	100		M	M	M	0.32	1.7	230401	230420	AE65978	Std Mtd 2340B	405132750

02786	292	39036	230411	01	1	118		M	M	M	5.	10.	230401	230420	AE65978	Std Mtd 2320B	405132750
02786	292	70295	230411	01	1	340		M	M	M	10.	10.	230401	230502	AE65960	Std Mtd 2540 C	241249360
02786	292	72002	230411	01	1	20.68		M	M	M	0.05	0.1667	230401	230411	AE65978	H2OD	241329000
02786	300	00010	230411	01	1	12		M	M	M	0.1	0.3333	230401	230411	AE65951	TEMP	241329000
02786	300	00094	230411	01	1	620		M	M	M	0.	0.	230401	230411	AE65951	FCOND25	241329000
02786	300	00400	230411	01	1	7.8		M	M	M	0.1	0.1	230401	230411	AE65951	FieldPH	241329000
02786	300	00410	230411	01	1	110		M	M	M	2.	6.	230401	230428	AE65951	Std Mtd 2320B	241249360
02786	300	00630	230411	01	1		N	M	M	M	0.4	0.72	230401	230428	AE65951	EPA 353.2	241249360
02786	300	00900	230411	01	1	130		M	M	M	1.	3.333	230401	230428	AE65951	Std Mtd 2340B	241249360
02786	300	00916	230411	01	1	24		M	M	M	0.04	0.1	230401	230428	AE65951	EPA 200.7	241249360
02786	300	00927	230411	01	1	16		M	M	M	0.04	0.1	230401	230428	AE65951	EPA 200.7	241249360
02786	300	00940	230411	01	1	11		M	M	M	1.	3.4	230401	230428	AE65951	EPA 300.0	241249360
02786	300	00945	230411	01	1	170		M	M	M	2.	6.8	230401	230428	AE65951	EPA 300.0	241249360
02786	300	00951	230411	01	1	1	J	M	M	M	0.6	2.	230401	230428	AE65951	EPA 300.0	241249360
02786	300	01022	230411	01	1	0.46		M	M	M	0.01	0.05	230401	230428	AE65951	EPA 200.7	241249360
02786	300	01042	230411	01	1		N	M	M	M	4.	10.	230401	230428	AE65951	EPA 200.7	241249360
02786	300	01055	230411	01	1	30		M	M	M	4.	10.	230401	230428	AE65951	EPA 200.7	241249360
02786	300	01077	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65951	EPA 200.7	241249360
02786	300	01092	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65951	EPA 200.7	241249360
02786	300	04189	230411	01	1	671.82		M	M	M	0.	0.	230401		AE65951	calculated	241329000
02786	300	70295	230411	01	1	380		M	M	M	10.	10.	230401	230428	AE65951	Std Mtd 2540 C	241249360
02786	300	72002	230411	01	1	17.21		M	M	M	0.05	0.1667	230401	230411	AE65951	H2OD	241329000
02786	302	00010	230411	01	1	18.2		M	M	M	0.1	0.3333	230401	230411	AE65954	TEMP	241329000
02786	302	00094	230411	01	1	584		M	M	M	0.	0.	230401	230411	AE65954	FCOND25	241329000
02786	302	00400	230411	01	1	7.5		M	M	M	0.1	0.1	230401	230411	AE65954	FieldPH	241329000
02786	302	00410	230411	01	1	100		M	M	M	2.	6.	230401	230428	AE65954	Std Mtd 2320B	241249360
02786	302	00630	230411	01	1		N	M	M	M	0.4	0.72	230401	230428	AE65954	EPA 353.2	241249360
02786	302	00900	230411	01	1	110		M	M	M	1.	3.333	230401	230428	AE65954	Std Mtd 2340B	241249360
02786	302	00916	230411	01	1	19		M	M	M	0.04	0.1	230401	230428	AE65954	EPA 200.7	241249360
02786	302	00927	230411	01	1	15		M	M	M	0.04	0.1	230401	230428	AE65954	EPA 200.7	241249360
02786	302	00940	230411	01	1	14		M	M	M	1.	3.4	230401	230428	AE65954	EPA 300.0	241249360
02786	302	00945	230411	01	1	150		M	M	M	2.	6.8	230401	230428	AE65954	EPA 300.0	241249360
02786	302	00951	230411	01	1	1	J	M	M	M	0.6	2.	230401	230428	AE65954	EPA 300.0	241249360
02786	302	01022	230411	01	1	0.41		M	M	M	0.01	0.05	230401	230428	AE65954	EPA 200.7	241249360
02786	302	01042	230411	01	1		N	M	M	M	4.	10.	230401	230428	AE65954	EPA 200.7	241249360
02786	302	01055	230411	01	1	50		M	M	M	4.	10.	230401	230428	AE65954	EPA 200.7	241249360
02786	302	01077	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65954	EPA 200.7	241249360
02786	302	01092	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65954	EPA 200.7	241249360
02786	302	04189	230411	01	1	669.56		M	M	M	0.	0.	230401		AE65954	calculated	241329000
02786	302	70295	230411	01	1	370		M	M	M	10.	10.	230401	230428	AE65954	Std Mtd 2540 C	241249360
02786	302	72002	230411	01	1	17.93		M	M	M	0.05	0.1667	230401	230411	AE65954	H2OD	241329000
02786	304	00010	230411	01	1	11.7		M	M	M	0.1	0.3333	230401	230411	AE65955	TEMP	241329000
02786	304	00094	230411	01	1	530		M	M	M	0.	0.	230401	230411	AE65955	FCOND25	241329000
02786	304	00400	230411	01	1	8.1		M	M	M	0.1	0.1	230401	230411	AE65955	FieldPH	241329000
02786	304	00410	230411	01	1	120		M	M	M	2.	6.	230401	230428	AE65955	Std Mtd 2320B	241249360
02786	304	00630	230411	01	1		N	M	M	M	0.4	0.72	230401	230428	AE65955	EPA 353.2	241249360
02786	304	00900	230411	01	1	100		M	M	M	1.	3.333	230401	230428	AE65955	Std Mtd 2340B	241249360
02786	304	00916	230411	01	1	19		M	M	M	0.04	0.1	230401	230428	AE65955	EPA 200.7	241249360
02786	304	00927	230411	01	1	13		M	M	M	0.04	0.1	230401	230428	AE65955	EPA 200.7	241249360
02786	304	00940	230411	01	1	8.9		M	M	M	1.	3.4	230401	230428	AE65955	EPA 300.0	241249360
02786	304	00945	230411	01	1	120		M	M	M	2.	6.8	230401	230428	AE65955	EPA 300.0	241249360
02786	304	00951	230411	01	1	1	J	M	M	M	0.6	2.	230401	230428	AE65955	EPA 300.0	241249360
02786	304	01022	230411	01	1	0.43		M	M	M	0.01	0.05	230401	230428	AE65955	EPA 200.7	241249360
02786	304	01042	230411	01	1		N	M	M	M	4.	10.	230401	230428	AE65955	EPA 200.7	241249360
02786	304	01055	230411	01	1	10		M	M	M	4.	10.	230401	230428	AE65955	EPA 200.7	241249360
02786	304	01077	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65955	EPA 200.7	241249360
02786	304	01092	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65955	EPA 200.7	241249360
02786	304	04189	230411	01	1	670.23		M	M	M	0.	0.	230401		AE65955	calculated	241329000
02786	304	70295	230411	01	1	340		M	M	M	10.	10.	230401	230428	AE65955	Std Mtd 2540 C	241249360
02786	304	72002	230411	01	1	20.08		M	M	M	0.05	0.1667	230401	230411	AE65955	H2OD	241329000
02786	306	00010	230411	01	1	12.6		M	M	M	0.1	0.3333	230401	230411	AE65958	TEMP	241329000
02786	306	00094	230411	01	1	533		M	M	M	0.	0.	230401	230411	AE65958	FCOND25	241329000
02786	306	00400	230411	01	1	8.2		M	M	M	0.1	0.1	230401	230411	AE65958	FieldPH	241329000
02786	306	00410	230411	01	1	110		M	M	M	2.	6.	230401	230428	AE65958	Std Mtd 2320B	241249360
02786	306	00630	230411	01	1		N	M	M	M	0.4	0.72	230401	230428	AE65958	EPA 353.2	241249360
02786	306	00900	230411	01	1	95		M	M	M	1.	3.333	230401	230428	AE65958	Std Mtd 2340B	241249360
02786	306	00916	230411	01	1	18		M	M	M	0.04	0.1	230401	230428	AE65958	EPA 200.7	241249360
02786	306	00927	230411	01	1	12		M	M	M	0.04	0.1	230401	230428	AE65958	EPA 200.7	241249360
02786	306	00940	230411	01	1	11		M	M	M	1.	3.4	230401	230428	AE65958	EPA 300.0	241249360
02786	306	00945	230411	01	1	130		M	M	M	2.	6.8	230401	230428	AE65958	EPA 300.0	241249360
02786	306	00951	230411	01	1	0.9	J	M	M	M	0.6	2.	230401	230428	AE65958	EPA 300.0	241249360
02786	306	01022	230411	01	1	0.45		M	M	M	0.01	0.05	230401	230428	AE65958	EPA 200.7	241249360
02786	306	01042	230411	01	1		N	M	M	M	4.	10.	230401	230428	AE65958	EPA 200.7	241249360
02786	306	01055	230411	01	1	20		M	M	M	4.	10.	230401	230428	AE65958	EPA 200.7	241249360

02786	306	01077	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65958	EPA 200.7	241249360
02786	306	01092	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65958	EPA 200.7	241249360
02786	306	04189	230411	01	1	669.63		M	M	M	0.	0.	230401		AE65958	calculated	241329000
02786	306	70295	230411	01	1	350		M	M	M	10.	10.	230401	230428	AE65958	Std Mtd 2540 C	241249360
02786	306	72002	230411	01	1	22.48		M	M	M	0.05	0.1667	230401	230411	AE65958	H2OD	241329000
02786	308	00010	230411	01	1	11.5		M	M	M	0.1	0.3333	230401	230411	AE65956	TEMP	241329000
02786	308	00094	230411	01	1	560		M	M	M	0.	0.	230401	230411	AE65956	FCOND25	241329000
02786	308	00400	230411	01	1	7.7		M	M	M	0.1	0.1	230401	230411	AE65956	FieldPH	241329000
02786	308	00410	230411	01	1	150		M	M	M	2.	6.	230401	230428	AE65956	Std Mtd 2320B	241249360
02786	308	00410	230411	02	1	140		M	M	M	2.	6.	230401	230428	AE65957	Std Mtd 2320B	241249360
02786	308	00630	230411	01	1		N	M	M	M	0.4	0.72	230401	230428	AE65956	EPA 353.2	241249360
02786	308	00630	230411	02	1		N	M	M	M	0.4	0.72	230401	230428	AE65957	EPA 353.2	241249360
02786	308	00900	230411	01	1	120		M	M	M	1.	3.333	230401	230428	AE65956	Std Mtd 2340B	241249360
02786	308	00900	230411	02	1	120		M	M	M	1.	3.333	230401	230428	AE65957	Std Mtd 2340B	241249360
02786	308	00916	230411	01	1	24		M	M	M	0.04	0.1	230401	230428	AE65956	EPA 200.7	241249360
02786	308	00916	230411	02	1	24		M	M	M	0.04	0.1	230401	230428	AE65957	EPA 200.7	241249360
02786	308	00927	230411	01	1	13		M	M	M	0.04	0.1	230401	230428	AE65956	EPA 200.7	241249360
02786	308	00927	230411	02	1	13		M	M	M	0.04	0.1	230401	230428	AE65957	EPA 200.7	241249360
02786	308	00940	230411	01	1	8.9		M	M	M	1.	3.4	230401	230428	AE65956	EPA 300.0	241249360
02786	308	00940	230411	02	1	9		M	M	M	1.	3.4	230401	230428	AE65957	EPA 300.0	241249360
02786	308	00945	230411	01	1	130		M	M	M	2.	6.8	230401	230428	AE65956	EPA 300.0	241249360
02786	308	00945	230411	02	1	130		M	M	M	2.	6.8	230401	230428	AE65957	EPA 300.0	241249360
02786	308	00951	230411	01	1	1.1	J	M	M	M	0.6	2.	230401	230428	AE65956	EPA 300.0	241249360
02786	308	00951	230411	02	1	1	J	M	M	M	0.6	2.	230401	230428	AE65957	EPA 300.0	241249360
02786	308	01022	230411	01	1	0.42		M	M	M	0.01	0.05	230401	230428	AE65956	EPA 200.7	241249360
02786	308	01022	230411	02	1	0.43		M	M	M	0.01	0.05	230401	230428	AE65957	EPA 200.7	241249360
02786	308	01042	230411	01	1		N	M	M	M	4.	10.	230401	230428	AE65956	EPA 200.7	241249360
02786	308	01042	230411	02	1		N	M	M	M	4.	10.	230401	230428	AE65957	EPA 200.7	241249360
02786	308	01055	230411	01	1	70		M	M	M	4.	10.	230401	230428	AE65956	EPA 200.7	241249360
02786	308	01055	230411	02	1	70		M	M	M	4.	10.	230401	230428	AE65957	EPA 200.7	241249360
02786	308	01077	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65956	EPA 200.7	241249360
02786	308	01077	230411	02	1		N	M	M	M	20.	70.	230401	230428	AE65957	EPA 200.7	241249360
02786	308	01092	230411	01	1		N	M	M	M	20.	70.	230401	230428	AE65956	EPA 200.7	241249360
02786	308	01092	230411	02	1		N	M	M	M	20.	70.	230401	230428	AE65957	EPA 200.7	241249360
02786	308	04189	230411	01	1	671.38		M	M	M	0.	0.	230401		AE65956	calculated	241329000
02786	308	70295	230411	01	1	360		M	M	M	10.	10.	230401	230428	AE65956	Std Mtd 2540 C	241249360
02786	308	70295	230411	02	1	390		M	M	M	10.	10.	230401	230428	AE65957	Std Mtd 2540 C	241249360
02786	308	72002	230411	01	1	16.25		M	M	M	0.05	0.1667	230401	230411	AE65956	H2OD	241329000
02786	599	00010	230411	01	1	18		M	M	M	0.1	0.3333	230401	230411	AE65979	TEMP	241329000
02786	599	00032	230131	01	1	12		M	M	M	1.	1.	230101	230131	0	field	241329000
02786	599	00032	230228	01	1	30		M	M	M	1.	1.	230201	230228	0	field	241329000
02786	599	00032	230331	01	1	134		M	M	M	1.	1.	230301	230331	0	field	241329000
02786	599	00032	230430	01	1	97.5		M	M	M	1.	1.	230401	230430	0	field	241329000
02786	599	00032	231130	01	1	0	J	M	M	M	1.	1.	231101	231130	0	field	241329000
02786	599	00032	231231	01	1	6.5		M	M	M	1.	1.	231201	231231	0	field	241329000
02786	599	00094	230411	01	1	1009		M	M	M	0.	0.	230401	230411	AE65979	FCOND25	241329000
02786	599	00150	230411	01	1	711000		M	M	M	4800.	10000.	230401	230417	AE65979	Std Mtd 2540 D	405132750
02786	599	00310	230411	01	1	0	J	M	M	M	2.	6.	230401	230417	AE65979	Std Mtd 5210B	241249360
02786	599	00340	230411	01	1	120		M	M	M	14.7	50.	230401	230424	AE65979	EPA 410.4	405132750
02786	599	00400	230411	01	1	8.1		M	M	M	0.1	0.1	230401	230411	AE65979	FieldPH	241329000
02786	599	00410	230411	01	1	156		M	M	M	5.	10.	230401	230417	AE65979	Std Mtd 2320B	405132750
02786	599	00900	230411	01	1	600		M	M	M	1.	3.333	230401	230516	AE65979	Std Mtd 2340B	405132750
02786	599	00940	230411	01	1	21.7	J	M	M	M	8.6	40.	230401	230424	AE65979	EPA 300.0	405132750
02786	599	00945	230411	01	1	358		M	M	M	8.9	40.	230401	230523	AE65979	EPA 300.0	405132750
02786	599	01022	230411	01	1	0.779		M	M	M	0.0152	0.05	230401	230421	AE65979	EPA 200.7	405132750
02786	599	01027	230411	01	1	0.15	J	M	M	M	0.15	1.	230401	230421	AE65979	EPA 200.7	405132750
02786	599	01051	230411	01	1	7.2		M	M	M	0.24	1.	230401	230421	AE65979	EPA 200.7	405132750
02786	599	01055	230411	01	1	803		M	M	M	6.1	20.2	230401	230421	AE65979	EPA 200.7	405132750
02786	599	01062	230411	01	1	740		M	M	M	2.2	7.4	230401	230421	AE65979	EPA 200.7	405132750
02786	599	01147	230411	01	1	23.7		M	M	M	0.32	1.1	230401	230421	AE65979	EPA 200.8	405132750
02786	599	34200	230411	01	1		N	M	M	M	0.073	0.24	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34205	230411	01	1		N	M	M	M	0.094	0.31	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34220	230411	01	1		N	M	M	M	0.081	0.27	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34230	230411	01	1		N	M	M	M	0.065	0.22	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34242	230411	01	1		N	M	M	M	0.068	0.23	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34247	230411	01	1		N	M	M	M	0.07	0.23	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34273	230411	01	1		N	M	M	M	2.9	9.5	230401	230419	40260794018	EPA 8270	405132750
02786	599	34278	230411	01	1		N	M	M	M	2.5	8.4	230401	230419	40260794018	EPA 8270	405132750
02786	599	34292	230411	01	1		N	M	M	M	3.5	12.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34320	230411	01	1		N	M	M	M	0.061	0.2	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34336	230411	01	1		N	M	M	M	2.7	9.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34341	230411	01	1		N	M	M	M	3.7	12.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34376	230411	01	1		N	M	M	M	0.074	0.25	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34381	230411	01	1		N	M	M	M	0.096	0.32	230401	230419	40260794018	EPA 8270 by SI	405132750

02786	599	34386	230411	01	1		N	M	M	M	3.	9.8	230401	230419	40260794018	EPA 8270	405132750
02786	599	34391	230411	01	1		N	M	M	M	4.1	14.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34396	230411	01	1		N	M	M	M	2.5	8.4	230401	230419	40260794018	EPA 8270	405132750
02786	599	34403	230411	01	1		N	M	M	M	0.058	0.19	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34408	230411	01	1		N	M	M	M	4.2	14.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34428	230411	01	1		N	M	M	M	2.9	9.6	230401	230419	40260794018	EPA 8270	405132750
02786	599	34433	230411	01	1		N	M	M	M	2.9	9.8	230401	230419	40260794018	EPA 8270	405132750
02786	599	34438	230411	01	1		N	M	M	M	3.2	11.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34447	230411	01	1		N	M	M	M	3.	9.9	230401	230419	40260794018	EPA 8270	405132750
02786	599	34452	230411	01	1		N	M	M	M	5.6	18.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34461	230411	01	1	0.11	J	M	M	M	0.1	0.35	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34469	230411	01	1		N	M	M	M	0.099	0.33	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34521	230411	01	1		N	M	M	M	0.091	0.3	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34526	230411	01	1		N	M	M	M	0.065	0.22	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34536	230411	01	1		N	M	M	M	3.5	12.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34551	230411	01	1		N	M	M	M	4.2	14.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34556	230411	01	1		N	M	M	M	0.076	0.25	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	34566	230411	01	1		N	M	M	M	3.2	11.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34571	230411	01	1		N	M	M	M	3.2	11.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34581	230411	01	1		N	M	M	M	5.8	19.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34586	230411	01	1		N	M	M	M	3.6	12.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34591	230411	01	1		N	M	M	M	3.5	12.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34596	230411	01	1		N	M	M	M	4.5	15.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34601	230411	01	1		N	M	M	M	4.	13.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34606	230411	01	1		N	M	M	M	8.1	27.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34611	230411	01	1		N	M	M	M	6.2	21.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34616	230411	01	1		N	M	M	M	6.6	22.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34621	230411	01	1		N	M	M	M	4.5	15.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34626	230411	01	1		N	M	M	M	4.6	15.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34631	230411	01	1		N	M	M	M	4.	13.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34636	230411	01	1		N	M	M	M	5.6	19.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34641	230411	01	1		N	M	M	M	5.1	17.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34646	230411	01	1		N	M	M	M	5.6	19.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34694	230411	01	1		N	M	M	M	4.1	14.	230401	230419	40260794018	EPA 8270	405132750
02786	599	34696	230411	01	1		N	M	M	M	0.14	0.47	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	39032	230411	01	1		N	M	M	M	4.	13.	230401	230419	40260794018	EPA 8270	405132750
02786	599	39100	230411	01	1		N	M	M	M	3.1	10.	230401	230419	40260794018	EPA 8270	405132750
02786	599	39110	230411	01	1		N	M	M	M	9.6	12.	230401	230419	40260794018	EPA 8270	405132750
02786	599	39700	230411	01	1		N	M	M	M	3.	9.9	230401	230419	40260794018	EPA 8270	405132750
02786	599	71900	230411	01	1	0.0714		M	M	M	0.0011	0.0026	230401	230420	AE65979	EPA 1631E	405132750
02786	599	73522	230411	01	1		N	M	M	M	4.6	15.	230401	230419	40260794018	EPA 8270	405132750
02786	599	73605	230411	01	1		N	M	M	M	4.6	15.	230401	230419	40260794018	EPA 8270	405132750
02786	599	74010	230411	01	1	108		M	M	M	0.29	1.25	230401	230421	AE65979	EPA 200.7	405132750
02786	599	77045	230411	01	1		N	M	M	M	3.2	10.	230401	230419	40260794018	EPA 8270	405132750
02786	599	77147	230411	01	1		N	M	M	M	3.5	12.	230401	230419	40260794018	EPA 8270	405132750
02786	599	77152	230411	01	1		N	M	M	M	4.3	14.	230401	230419	40260794018	EPA 8270	405132750
02786	599	77416	230411	01	1	0.23	J	M	M	M	0.098	0.33	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	77687	230411	01	1		N	M	M	M	2.9	9.7	230401	230419	40260794018	EPA 8270	405132750
02786	599	77770	230411	01	1		N	M	M	M	4.9	16.	230401	230419	40260794018	EPA 8270	405132750
02786	599	78142	230411	01	1		N	M	M	M	4.2	14.	230401	230419	40260794018	EPA 8270	405132750
02786	599	78300	230411	01	1		N	M	M	M	4.8	16.	230401	230419	40260794018	EPA 8270	405132750
02786	599	79533	230411	01	1		N	M	M	M	5.	17.	230401	230419	40260794018	EPA 8270	405132750
02786	599	81302	230411	01	1		N	M	M	M	7.	23.	230401	230419	40260794018	EPA 8270	405132750
02786	599	81553	230411	01	1		N	M	M	M	2.8	9.2	230401	230419	40260794018	EPA 8270	405132750
02786	599	81696	230411	01	1	0.22	J	M	M	M	0.087	0.29	230401	230419	40260794018	EPA 8270 by SI	405132750
02786	599	99396	230411	01	1		N	M	M	M	5.4	18.	230401	230419	40260794018	EPA 8270	405132750
02786	614	00031	230321	01	1	0.288		M	M	M	0.05	0.1667	230301	230321	0	H2OD	241329000
02786	614	00031	230516	01	1	0.019		M	M	M	0.05	0.1667	230501	230516	0	H2OD	241329000
02786	616	00031	230321	01	1	0		M	M	M	0.05	0.1667	230301	230321	0	H2OD	241329000
02786	616	00031	230516	01	1	0		M	M	M	0.05	0.1667	230501	230516	0	H2OD	241329000
02786	997	00010	230411	01	1	19.1		M	M	M	0.1	0.3333	230401	230411	AE65961	TEMP	241329000
02786	997	00094	230411	01	1	16		M	M	M	0.	0.	230401	230411	AE65961	FCOND25	241329000
02786	997	00400	230411	01	1	6.9		M	M	M	0.1	0.1	230401	230411	AE65961	FieldPH	241329000
02786	997	00410	230411	01	1	2	J	M	M	M	2.	6.	230401	230502	AE65961	Std Mtd 2320B	241249360
02786	997	00630	230411	01	1		N	M	M	M	0.4	0.72	230401	230502	AE65961	EPA 353.2	241249360
02786	997	00900	230411	01	1		N	M	M	M	0.27	1.	230401	230502	AE65961	Std Mtd 2340B	241249360
02786	997	00916	230411	01	1	0.06	J	M	M	M	0.04	0.1	230401	230502	AE65961	EPA 200.7	241249360
02786	997	00927	230411	01	1		N	M	M	M	0.04	0.1	230401	230502	AE65961	EPA 200.7	241249360
02786	997	00940	230411	01	1		N	M	M	M	1.	3.4	230401	230502	AE65961	EPA 300.0	241249360
02786	997	00945	230411	01	1		N	M	M	M	2.	6.8	230401	230502	AE65961	EPA 300.0	241249360
02786	997	00951	230411	01	1		N	M	M	M	0.6	2.	230401	230502	AE65961	EPA 300.0	241249360
02786	997	01022	230411	01	1		N	M	M	M	0.01	0.05	230401	230502	AE65961	EPA 200.7	241249360
02786	997	01042	230411	01	1		N	M	M	M	4.	10.	230401	230502	AE65961	EPA 200.7	241249360
02786	997	01055	230411	01	1		N	M	M	M	4.	10.	230401	230502	AE65961	EPA 200.7	241249360

02786	997	01077	230411	01	1	N	M	M	M	20.	70.	230401	230502	AE65961	EPA 200.7	241249360	
02786	997	01092	230411	01	1	N	M	M	M	20.	70.	230401	230502	AE65961	EPA 200.7	241249360	
02786	997	70295	230411	01	1	N	M	M	M	10.	10.	230401	230502	AE65961	Std Mtd 2540 C	241249360	

GEMS SUBMITTAL FOR MAY-NOVEMBER 2023 AND 2015-2022 CCR BASELINE SAMPLING EVENTS

RAMBOLL

ENVIRONMENT
& HEALTH

Mike Solomon
GEMS Data Submittal Contact – WA/5
Bureau of Waste and Materials Management
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921

GROUNDWATER MONITORING DATA FOR WE ENERGIES ASH LANDFILLS
Pleasant Prairie Power Plant Ash Landfill

December 14, 2023

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA

T 414-837-3607
F 414-837-3608
www.ramboll.com

Ref. 1940102327

Dear Mr. Solomon:

Please find contained on the enclosed CD groundwater monitoring data for the We Energies ash landfill listed below. These data have been prepared in accordance with the GEMS comma delimited electronic submittal format specifications and can be found on the CD by the filename(s) indicated.

License No.:	#02786
Facility ID. No. (FID):	FID 230056310
Facility Name:	Pleasant Prairie Power Plant Ash Landfill
Sample Result Month:	2015-2022 Historical CCR 257 Baseline Data May 2023- November 2023 Baseline Data
CD Filename:	Jan2015_Nov2023-02786.csv

Along with the CD, the following items are also enclosed:

1. An Environmental Monitoring Data Certification form for each site reported on this CD.

Enclosed with this data package is the data for former CCR program wells:

- W20D, W-73, W-74, W75, W76, W77

and parameters related to the following regulatory requirements:

- NR507 App I, Table 1A, *DETECTION GROUNDWATER MONITORING FOR CCR WELLS AT CCR LANDFILLS*:
  - Alkalinity, Boron, Calcium, Chloride, Fluoride, Field Conductivity, Field pH, Field Temperature, Groundwater Elevation, Hardness, Total Dissolved Solids, and Sulfate.
- NR507 App I, Table 3, *BASELINE AND ASSESSMENT GROUNDWATER MONITORING PUBLIC HEALTH AND WELFARE PARAMETERS*:
  - *All Wells Requirement:*
    - Arsenic, Barium, Cadmium, Chromium, Copper, Fluoride, Lead, Manganese, Mercury, Nitrate + Nitrite, Selenium, Silver, Sulfate, Zinc
  - *Additional Parameters for CCR Wells:*
    - Antimony, Beryllium, Cobalt, Lithium, Molybdenum, Thallium, Ra-226/Ra-228 Combined

Data submitted is from 2015-2022 that was collected for the 40 C.F.R. Part 257 Subpart D monitoring program, and the remainder of baseline data collected from May 2023 through November 2023.

If you have any questions regarding this submittal or We Energies groundwater data management and compliance reporting program, please call me at (414) 837-3630.

Sincerely,

Nate Keller, PG
Senior Hydrogeologist

D +1 414 837 3630
nate.keller@ramboll.com

cc: Mark Peters - WDNR (via email)
Eric Kovatch - We Energies (via email)

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
We Energies

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Eric Kovatch	(414) 221-2457

Email
eric.kovatch@wecenergygroup.com

Facility Name
Pleasant Prairie PP Ash Landfill

License # / Monitoring ID	Facility ID (FID)
#02786	230056310

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
May-Nov, 2023, 2015-2022	May-Nov, 2023, 2015-2022

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [ ] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Nate Keller, PG	Senior Hydrogeologist	(414) 837-3630

/s/ Nathaniel R Keller
Signature

12/14/2023
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

03232	280	00010	151111	01	1	11.1	M	M	M	0.1	0.1	0.1	151101	151111	40124666006	FIELD	241329000
03232	280	00010	160216	01	1	7.21	M	M	M	0.1	0.1	0.1	160201	160216	40128456003	FIELD	241329000
03232	280	00010	160511	01	1	10.2	M	M	M	0.1	0.1	0.1	160501	160511	40132272002	FIELD	241329000
03232	280	00010	160830	01	1	13.1	M	M	M	0.1	0.1	0.1	160801	160830	40137606003	FIELD	241329000
03232	280	00010	161114	01	1	10.5	M	M	M	0.1	0.1	0.1	161101	161114	40142064003	FIELD	241329000
03232	280	00010	170208	01	1	9.18	M	M	M	0.1	0.1	0.1	170201	170208	40145548002	FIELD	241329000
03232	280	00010	170515	01	1	11.42	M	M	M	0.1	0.1	0.1	170501	170515	40150143005	FIELD	241329000
03232	280	00010	170822	01	1	14.56	M	M	M	0.1	0.1	0.1	170801	170822	40155549007	FIELD	241329000
03232	280	00010	171114	01	1	10.45	M	M	M	0.1	0.1	0.1	171101	171114	40161125002	FIELD	241329000
03232	280	00010	180516	01	1	13	M	M	M	0.1	0.1	0.1	180501	180516	AE27556	TEMP	241329000
03232	280	00010	181114	01	1	9.6	M	M	M	0.1	0.1	0.1	181101	181114	AE31851	TEMP	241329000
03232	280	00010	190508	01	1	9.54	M	M	M	0.1	0.3333	0.3333	190501	190508	AE37963	TEMP	241329000
03232	280	00010	191104	01	1	10	M	M	M	0.1	0.3333	0.3333	191101	191112	AE41843	TEMP	241329000
03232	280	00010	200505	01	1	9.9	M	M	M	0.1	0.3333	0.3333	200501	200505	AE45611	TEMP	241329000
03232	280	00010	201110	01	1	13.35	M	M	M	0.1	0.3333	0.3333	201101	201110	AE49635	TEMP	241329000
03232	280	00010	210511	01	1	12.89	M	M	M	0.1	0.3333	0.3333	210501	210511	AE53141	TEMP	241329000
03232	280	00010	211109	01	1	14	M	M	M	0.1	0.3333	0.3333	211101	211109	AE57087	TEMP	241329000
03232	280	00010	220504	01	1	10.24	M	M	M	0.1	0.3333	0.3333	220501	220504	AE60495	TEMP	241329000
03232	280	00010	221107	01	1	12	M	M	M	0.1	0.3333	0.3333	221101	221107	AE63530	TEMP	241329000
03232	280	00010	230608	01	1	14	M	M	M	0.1	0.3333	0.3333	230601	230608	AE67097	TEMP	241329000
03232	280	00010	230814	01	1	14	M	M	M	0.1	0.3333	0.3333	230801	230814	AE68266	TEMP	241329000
03232	280	00010	230927	01	1	12.93	M	M	M	0.	0.	0.	230901	230927	40268803001	field	241329000
03232	280	00094	151111	01	1	760	M	M	M	0.	0.	0.	151101	151111	40124666006	FIELD	241329000
03232	280	00094	160216	01	1	788	M	M	M	0.	0.	0.	160201	160216	40128456003	FIELD	241329000
03232	280	00094	160511	01	1	779	M	M	M	0.	0.	0.	160501	160511	40132272002	FIELD	241329000
03232	280	00094	160830	01	1	697	M	M	M	0.	0.	0.	160801	160830	40137606003	FIELD	241329000
03232	280	00094	161114	01	1	764	M	M	M	0.	0.	0.	161101	161114	40142064003	FIELD	241329000
03232	280	00094	170208	01	1	717	M	M	M	0.	0.	0.	170201	170208	40145548002	FIELD	241329000
03232	280	00094	170515	01	1	796.4	M	M	M	0.	0.	0.	170501	170515	40150143005	FIELD	241329000
03232	280	00094	170822	01	1	693.4	M	M	M	0.	0.	0.	170801	170822	40155549007	FIELD	241329000
03232	280	00094	171114	01	1	789.6	M	M	M	0.	0.	0.	171101	171114	40161125002	FIELD	241329000
03232	280	00094	180516	01	1	720	M	M	M	0.	0.	0.	180501	180516	AE27556	FCOND25	241329000
03232	280	00094	181114	01	1	767	M	M	M	0.	0.	0.	181101	181114	AE31851	FCOND25	241329000
03232	280	00094	190508	01	1	757.9	M	M	M	0.	0.	0.	190501	190508	AE37963	FCOND25	241329000
03232	280	00094	191104	01	1	789	M	M	M	0.	0.	0.	191101	191105	AE41843	FCOND25	241329000
03232	280	00094	200505	01	1	670.3	M	M	M	0.	0.	0.	200501	200505	AE45611	FCOND25	241329000
03232	280	00094	201110	01	1	726.68	M	M	M	0.	0.	0.	201101	201110	AE49635	FCOND25	241329000
03232	280	00094	210511	01	1	712.38	M	M	M	0.	0.	0.	210501	210511	AE53141	FCOND25	241329000
03232	280	00094	211109	01	1	748	M	M	M	0.	0.	0.	211101	211109	AE57087	FCOND25	241329000
03232	280	00094	220504	01	1	930.56	M	M	M	0.	0.	0.	220501	220504	AE60495	FCOND25	241329000
03232	280	00094	221107	01	1	800	M	M	M	0.	0.	0.	221101	221107	AE63530	FCOND25	241329000
03232	280	00094	230608	01	1	711	M	M	M	0.	0.	0.	230601	230608	AE67097	FCOND25	241329000
03232	280	00094	230713	01	1	568	M	M	M	0.	0.	0.	230701	230713	AE67716	FCOND25	241329000
03232	280	00094	230814	01	1	698	M	M	M	0.	0.	0.	230801	230814	AE68266	FCOND25	241329000
03232	280	00094	230927	01	1	695	M	M	M	0.	0.	0.	230901	230927	40268803001	field	241329000
03232	280	00400	151111	01	1	7.7	M	M	M	0.1	0.1	0.1	151101	151111	40124666006	FIELD	241329000
03232	280	00400	160216	01	1	7.44	M	M	M	0.1	0.1	0.1	160201	160216	40128456003	FIELD	241329000
03232	280	00400	160511	01	1	7.4	M	M	M	0.1	0.1	0.1	160501	160511	40132272002	FIELD	241329000
03232	280	00400	160830	01	1	7.6	M	M	M	0.1	0.1	0.1	160801	160830	40137606003	FIELD	241329000
03232	280	00400	161114	01	1	7.4	M	M	M	0.1	0.1	0.1	161101	161114	40142064003	FIELD	241329000
03232	280	00400	170208	01	1	7.94	M	M	M	0.1	0.1	0.1	170201	170208	40145548002	FIELD	241329000
03232	280	00400	170515	01	1	7.45	M	M	M	0.1	0.1	0.1	170501	170515	40150143005	FIELD	241329000
03232	280	00400	170822	01	1	6.94	M	M	M	0.1	0.1	0.1	170801	170822	40155549007	FIELD	241329000
03232	280	00400	171114	01	1	7.41	M	M	M	0.1	0.1	0.1	171101	171114	40161125002	FIELD	241329000
03232	280	00400	180516	01	1	7.3	M	M	M	0.1	0.1	0.1	180501	180516	AE27556	FieldPH	241329000
03232	280	00400	181114	01	1	7.5	M	M	M	0.1	0.1	0.1	181101	181114	AE31851	FieldPH	241329000
03232	280	00400	190508	01	1	7.52	M	M	M	0.1	0.1	0.1	190501	190508	AE37963	FieldPH	241329000
03232	280	00400	191104	01	1	7.4	M	M	M	0.1	0.1	0.1	191101	191105	AE41843	FieldPH	241329000
03232	280	00400	200505	01	1	7.5	M	M	M	0.1	0.1	0.1	200501	200505	AE45611	FieldPH	241329000
03232	280	00400	201110	01	1	7.65	M	M	M	0.1	0.1	0.1	201101	201110	AE49635	FieldPH	241329000
03232	280	00400	210511	01	1	7.5	M	M	M	0.1	0.1	0.1	210501	210511	AE53141	FieldPH	241329000
03232	280	00400	211109	01	1	7.5	M	M	M	0.1	0.1	0.1	211101	211109	AE57087	FieldPH	241329000
03232	280	00400	220504	01	1	7.38	M	M	M	0.1	0.1	0.1	220501	220504	AE60495	FieldPH	241329000
03232	280	00400	221107	01	1	7.7	M	M	M	0.1	0.1	0.1	221101	221107	AE63530	FieldPH	241329000
03232	280	00400	230608	01	1	7.4	M	M	M	0.1	0.1	0.1	230601	230608	AE67097	FieldPH	241329000
03232	280	00400	230713	01	1	7.4	M	M	M	0.1	0.1	0.1	230701	230713	AE67716	FieldPH	241329000
03232	280	00400	230814	01	1	8.2	M	M	M	0.1	0.1	0.1	230801	230814	AE68266	FieldPH	241329000
03232	280	00400	230927	01	1	7.53	M	M	M	0.	0.	0.	230901	230927	40268803001	field	241329000
03232	280	00410	170515	01	1	160	M	M	M	5.	10.	10.	170501	170523	40150143005	SM 2320B	241329000
03232	280	00410	170822	01	1	153	M	M	M	5.	10.	10.	170801	170829	40155549007	SM 2320B	405132750
03232	280	00410	191104	01	1	160	M	M	M	5.	17.	17.	191101	191114	AE41843	Std Mtd 2320B	241329000
03232	280	00410	201110	01	1	150	M	M	M	5.	17.	17.	201101	201119	AE49635	Std Mtd 2320B	241329000
03232	280	00410	211109	01	1	155	M	M	M	5.	10.	10.	211101	211118	AE57087	Std Mtd 2320B	405132750

03232	280	00410	221107	01	1	158		M	M	M	5.	10.	10.	221101	221116	AE63530	Std Mtd 2320B	405132750
03232	280	00630	221107	01	1		N	M	M	M	0.021	0.1	0.1	221101	221111	AE63530	EPA 353.2	405132750
03232	280	00630	230608	01	1	0.73		M	M	M	0.011	0.036	0.036	230601	230612	AE67097	EPA 353.2	405132750
03232	280	00630	230713	01	1	0.74		M	M	M	0.011	0.036	0.036	230701	230717	AE67716	EPA 353.2	405132750
03232	280	00630	230814	01	1	1.31		M	M	M	0.011	0.036	0.036	230801	230816	AE68266	EPA 353.2	405132750
03232	280	00900	221107	01	1	213		M	M	M	1.	5.4	5.4	221101	221117	AE63530	Std Mtd 2340B	405132750
03232	280	00900	230608	01	1	203		M	M	M	2.	6.666	6.666	230601	230620	AE67097	Std Mtd 2340B	241329000
03232	280	00900	230713	01	1	212		M	M	M	1.	5.4	5.4	230701	230721	AE67716	Std Mtd 2340B	241329000
03232	280	00900	230814	01	1	209		M	M	M	1.	5.4	5.4	230801	230818	AE68266	Std Mtd 2340B	241329000
03232	280	00916	151111	01	1	52.5		M	M	M	0.0235	1.	1.	151101	151117	40124666006	EPA 200.7	241329000
03232	280	00916	160216	01	1	54.7		M	M	M	0.0235	1.	1.	160201	160310	40128456003	EPA 200.7	241329000
03232	280	00916	160511	01	1	57.6		M	M	M	0.0235	1.	1.	160501	160526	40132272002	EPA 200.7	241329000
03232	280	00916	160830	01	1	58.2		M	M	M	0.0235	1.	1.	160801	160902	40137606003	EPA 200.7	241329000
03232	280	00916	161114	01	1	57		M	M	M	0.0977	0.5	0.5	161101	161122	40142064003	EPA 200.7	241329000
03232	280	00916	170208	01	1	51.8		M	M	M	0.0977	0.5	0.5	170201	170214	40145548002	EPA 200.7	241329000
03232	280	00916	170515	01	1	51.4		M	M	M	0.0977	0.5	0.5	170501	170523	40150143005	EPA 200.7	241329000
03232	280	00916	170822	01	1	48.9		M	M	M	0.0977	0.5	0.5	170801	170830	40155549007	EPA 200.7	405132750
03232	280	00916	171114	01	1	49.1		M	M	M	0.0977	0.5	0.5	171101	171201	40161125002	EPA 200.7	241329000
03232	280	00916	180516	01	1	51		M	M	M	0.017	0.058	0.058	180501	180518	AE27556	EPA 200.7	241329000
03232	280	00916	181114	01	1	50		M	M	M	0.017	0.058	0.058	181101	181128	AE31851	EPA 200.7	241329000
03232	280	00916	190508	01	1	51		M	M	M	0.017	0.058	0.058	190501	190514	AE37963	EPA 200.7	241329000
03232	280	00916	191104	01	1	48		M	M	M	0.027	0.089	0.089	191101	191120	AE41843	EPA 200.7	241329000
03232	280	00916	200505	01	1	52.8		M	M	M	0.114	0.5	0.5	200501		AE45611	EPA 200.7	241329000
03232	280	00916	201110	01	1	50.8		M	M	M	0.114	0.5	0.5	201101		AE49635	EPA 200.7	405132750
03232	280	00916	210511	01	1	49.9		M	M	M	0.114	0.5	0.5	210501	210518	AE53141	EPA 200.7	405132750
03232	280	00916	211109	01	1	49.8		M	M	M	0.114	0.5	0.5	211101		AE57087	EPA 200.7	405132750
03232	280	00916	220504	01	1	52		M	M	M	0.0762	0.254	0.254	220501	220520	AE60495	EPA 200.7	405132750
03232	280	00916	221107	01	1	48.6		M	M	M	0.114	0.5	0.5	221101	221117	AE63530	EPA 200.7	405132750
03232	280	00916	230608	01	1	46.8		M	M	M	1.1	3.8	3.8	230601	230620	AE67097	EPA 200.7	241329000
03232	280	00916	230713	01	1	48.6		M	M	M	0.11	0.5	0.5	230701	230721	AE67716	EPA 200.7	241329000
03232	280	00916	230814	01	1	48.3		M	M	M	0.114	0.5	0.5	230801	230818	AE68266	EPA 200.7	241329000
03232	280	00940	151111	01	1	13		M	M	M	2.	4.	4.	151101	151128	40124666006	EPA 300.0	241329000
03232	280	00940	160216	01	1	11.5		M	M	M	2.	4.	4.	160201	160224	40128456003	EPA 300.0	241329000
03232	280	00940	160511	01	1	11.6		M	M	M	2.	4.	4.	160501	160524	40132272002	EPA 300.0	241329000
03232	280	00940	160830	01	1	10.4		M	M	M	2.	4.	4.	160801	160909	40137606003	EPA 300.0	241329000
03232	280	00940	161114	01	1	12.9		M	M	M	2.5	10.	10.	161101	161206	40142064003	EPA 300.0	241329000
03232	280	00940	170208	01	1	11		M	M	M	0.5	2.	2.	170201	170223	40145548002	EPA 300.0	241329000
03232	280	00940	170515	01	1	10.6		M	M	M	0.5	2.	2.	170501	170609	40150143005	EPA 300.0	241329000
03232	280	00940	170822	01	1	10.8		M	M	M	0.5	2.	2.	170801	170906	40155549007	EPA 300.0	405132750
03232	280	00940	171114	01	1	11.9		M	M	M	0.5	2.	2.	171101	171214	40161125002	EPA 300.0	241329000
03232	280	00940	180516	01	1	10		M	M	M	0.43	1.4	1.4	180501	180521	AE27556	EPA 300.0	241329000
03232	280	00940	181114	01	1	10		M	M	M	0.21	0.7	0.7	181101	181126	AE31851	EPA 300.0	241329000
03232	280	00940	190508	01	1	10		M	M	M	0.1	0.34	0.34	190501	190522	AE37963	EPA 300.0	241329000
03232	280	00940	191104	01	1	10		M	M	M	0.18	0.6	0.6	191101	191112	AE41843	EPA 300.0	241329000
03232	280	00940	200505	01	1	9.7		M	M	M	0.01	0.03	0.03	200501	200513	AE45611	EPA 300.0	241329000
03232	280	00940	201110	01	1	10		M	M	M	0.046	0.154	0.154	201101	201123	AE49635	EPA 300.0	241329000
03232	280	00940	210511	01	1	9.8		M	M	M	0.43	2.	2.	210501	210601	AE53141	EPA 300.0	405132750
03232	280	00940	211109	01	1	9.8		M	M	M	0.43	2.	2.	211101	211207	AE57087	EPA 300.0	405132750
03232	280	00940	220504	01	1	11.9		M	M	M	2.2	10.	10.	220501	220517	AE60495	EPA 300.0	405132750
03232	280	00940	221107	01	1	9.5		M	M	M	0.43	2.	2.	221101	221111	AE63530	EPA 300.0	405132750
03232	280	00945	151111	01	1	181		M	M	M	20.	60.	60.	151101	151130	40124666006	EPA 300.0	241329000
03232	280	00945	160216	01	1	191		M	M	M	10.	30.	30.	160201	160225	40128456003	EPA 300.0	241329000
03232	280	00945	160511	01	1	196		M	M	M	20.	60.	60.	160501	160525	40132272002	EPA 300.0	241329000
03232	280	00945	160830	01	1	177		M	M	M	20.	60.	60.	160801	160912	40137606003	EPA 300.0	241329000
03232	280	00945	161114	01	1	204		M	M	M	5.	15.	15.	161101	161206	40142064003	EPA 300.0	241329000
03232	280	00945	170208	01	1	201		M	M	M	10.	30.	30.	170201	170227	40145548002	EPA 300.0	241329000
03232	280	00945	170515	01	1	204		M	M	M	10.	30.	30.	170501	170609	40150143005	EPA 300.0	241329000
03232	280	00945	170822	01	1	203		M	M	M	10.	30.	30.	170801	170907	40155549007	EPA 300.0	405132750
03232	280	00945	171114	01	1	222		M	M	M	10.	30.	30.	171101	171214	40161125002	EPA 300.0	241329000
03232	280	00945	180516	01	1	200		M	M	M	0.7	2.3	2.3	180501	180522	AE27556	EPA 300.0	241329000
03232	280	00945	181114	01	1	210		M	M	M	0.55	1.9	1.9	181101	181129	AE31851	EPA 300.0	241329000
03232	280	00945	190508	01	1	230		M	M	M	0.8	2.8	2.8	190501	190522	AE37963	EPA 300.0	241329000
03232	280	00945	191104	01	1	200		M	M	M	0.7	2.4	2.4	191101	191113	AE41843	EPA 300.0	241329000
03232	280	00945	200505	01	1	200		M	M	M	0.155	0.2	0.2	200501	200513	AE45611	EPA 300.0	241329000
03232	280	00945	201110	01	1	220		M	M	M	2.4	7.8	7.8	201101	201123	AE49635	EPA 300.0	241329000
03232	280	00945	210511	01	1	200		M	M	M	4.4	20.	20.	210501	210602	AE53141	EPA 300.0	405132750
03232	280	00945	211109	01	1	219		M	M	M	4.4	20.	20.	211101	211206	AE57087	EPA 300.0	405132750
03232	280	00945	220504	01	1	240		M	M	M	8.9	40.	40.	220501	220518	AE60495	EPA 300.0	405132750
03232	280	00945	221107	01	1	210		M	M	M	2.2	10.	10.	221101	221127	AE63530	EPA 300.0	405132750
03232	280	00951	151111	01	1	1		M	M	M	0.2	0.4	0.4	151101	151128	40124666006	EPA 300.0	241329000
03232	280	00951	160216	01	1	0.72		M	M	M	0.2	0.4	0.4	160201	160224	40128456003	EPA 300.0	241329000
03232	280	00951	160511	01	1	0.76		M	M	M	0.2	0.4	0.4	160501	160524	40132272002	EPA 300.0	241329000
03232	280	00951	160830	01	1	0.71		M	M	M	0.2	0.4	0.4	160801	160909	40137606003	EPA 300.0	241329000

03232	280	00951	161114	01	1	1.1	J	M	M	M	0.5	1.5	1.5	161101	161206	40142064003	EPA 300.0	241329000
03232	280	00951	170208	01	1	0.86		M	M	M	0.1	0.3	0.3	170201	170223	40145548002	EPA 300.0	241329000
03232	280	00951	170515	01	1	0.91		M	M	M	0.1	0.3	0.3	170501	170609	40150143005	EPA 300.0	241329000
03232	280	00951	170822	01	1	1.1		M	M	M	0.1	0.3	0.3	170801	170906	40155549007	EPA 300.0	405132750
03232	280	00951	171114	01	1	1.1		M	M	M	0.1	0.3	0.3	171101	171214	40161125002	EPA 300.0	241329000
03232	280	00951	180516	01	1	0.96		M	M	M	0.05	0.17	0.17	180501	180521	AE27556	EPA 300.0	241329000
03232	280	00951	181114	01	1	0.95		M	M	M	0.04	0.13	0.13	181101	181126	AE31851	EPA 300.0	241329000
03232	280	00951	190508	01	1	1.1		M	M	M	0.06	0.19	0.19	190501	190522	AE37963	EPA 300.0	241329000
03232	280	00951	191104	01	1	1		M	M	M	0.07	0.22	0.22	191101	191112	AE41843	EPA 300.0	241329000
03232	280	00951	200505	01	1	0.84		M	M	M	0.035	0.115	0.115	200501	200513	AE45611	EPA 300.0	241329000
03232	280	00951	201110	01	1	1.3		M	M	M	0.008	0.026	0.026	201101	201119	AE49635	EPA 300.0	241329000
03232	280	00951	210511	01	1	1.1		M	M	M	0.095	0.32	0.32	210501	210601	AE53141	EPA 300.0	405132750
03232	280	00951	211109	01	1	1.3		M	M	M	0.095	0.32	0.32	211101	211206	AE57087	EPA 300.0	405132750
03232	280	00951	220504	01	1	1.6		M	M	M	0.48	1.6	1.6	220501	220517	AE60495	EPA 300.0	405132750
03232	280	00951	221107	01	1	1.2		M	M	M	0.095	0.32	0.32	221101	221111	AE63530	EPA 300.0	405132750
03232	280	01002	151111	01	1	0.57		M	M	M	0.11	0.38	0.38	151101		40124666006	EPA 200.8	241329000
03232	280	01002	160216	01	1	0.68	J	M	M	M	0.099	1.	1.	160201		40128456003	EPA 200.8	241329000
03232	280	01002	160511	01	1	0.57	J	M	M	M	0.099	1.	1.	160501		40132272002	EPA 200.8	241329000
03232	280	01002	160830	01	1	0.43	J	M	M	M	0.099	1.	1.	160801		40137606003	EPA 200.8	241329000
03232	280	01002	161114	01	1	0.41	J	M	M	M	0.099	1.	1.	161101		40142064003	EPA 200.8	241329000
03232	280	01002	170208	01	1	0.41	J	M	M	M	0.099	1.	1.	170201		40145548002	EPA 200.8	241329000
03232	280	01002	170515	01	1	0.46	J	M	M	M	0.099	1.	1.	170501		40150143005	EPA 200.8	241329000
03232	280	01002	170822	01	1	0.37	J	M	M	M	0.28	1.	1.	170801		40155549007	EPA 200.8	405132750
03232	280	01007	151111	01	1	94.6		M	M	M	1.7	5.	5.	151101		40124666006	EPA 200.7	241329000
03232	280	01007	160216	01	1	88.5		M	M	M	1.7	5.	5.	160201		40128456003	EPA 200.7	241329000
03232	280	01007	160511	01	1	92.2		M	M	M	1.7	5.	5.	160501		40132272002	EPA 200.7	241329000
03232	280	01007	160830	01	1	84.9		M	M	M	1.7	5.	5.	160801		40137606003	EPA 200.7	241329000
03232	280	01007	161114	01	1	85.2		M	M	M	1.5	5.	5.	161101		40142064003	EPA 200.7	241329000
03232	280	01007	170208	01	1	77.1		M	M	M	1.5	5.	5.	170201		40145548002	EPA 200.7	241329000
03232	280	01007	170515	01	1	77.4		M	M	M	1.5	5.	5.	170501		40150143005	EPA 200.7	241329000
03232	280	01007	170822	01	1	72.4		M	M	M	1.5	5.	5.	170801		40155549007	EPA 200.7	405132750
03232	280	01012	151111	01	1		N	M	M	M	0.68	4.	4.	151101		40124666006	EPA 200.7	241329000
03232	280	01012	160216	01	1		N	M	M	M	0.68	4.	4.	160201		40128456003	EPA 200.7	241329000
03232	280	01012	160511	01	1		N	M	M	M	0.68	4.	4.	160501		40132272002	EPA 200.7	241329000
03232	280	01012	160830	01	1		N	M	M	M	0.68	4.	4.	160801		40137606003	EPA 200.7	241329000
03232	280	01012	161114	01	1		N	M	M	M	1.2	4.	4.	161101	161114	40142064003	EPA 200.7	241329000
03232	280	01012	170208	01	1		N	M	M	M	1.2	4.	4.	170201		40145548002	EPA 200.7	241329000
03232	280	01012	170515	01	1		N	M	M	M	1.2	4.	4.	170501		40150143005	EPA 200.7	241329000
03232	280	01012	170822	01	1		N	M	M	M	1.2	4.	4.	170801		40155549007	EPA 200.7	405132750
03232	280	01022	151111	01	1	0.407		M	M	M	0.0028	0.019	0.019	151101	151117	40124666006	EPA 200.7	241329000
03232	280	01022	160216	01	1	0.426		M	M	M	0.0028	0.019	0.019	160201	160310	40128456003	EPA 200.7	241329000
03232	280	01022	160511	01	1	0.472		M	M	M	0.0028	0.019	0.019	160501	160526	40132272002	EPA 200.7	241329000
03232	280	01022	160830	01	1	0.402		M	M	M	0.0028	0.019	0.019	160801	160902	40137606003	EPA 200.7	241329000
03232	280	01022	161114	01	1	0.457		M	M	M	0.0067	0.04	0.04	161101	161122	40142064003	EPA 200.7	241329000
03232	280	01022	170208	01	1	0.42		M	M	M	0.0067	0.04	0.04	170201	170214	40145548002	EPA 200.7	241329000
03232	280	01022	170515	01	1	0.47		M	M	M	0.0067	0.04	0.04	170501	170523	40150143005	EPA 200.7	241329000
03232	280	01022	170822	01	1	0.45		M	M	M	0.0067	0.04	0.04	170801	170830	40155549007	EPA 200.7	405132750
03232	280	01022	171114	01	1	0.456		M	M	M	0.0067	0.04	0.04	171101	171201	40161125002	EPA 200.7	241329000
03232	280	01022	180516	01	1	0.27		M	M	M	0.0023	0.0075	0.0075	180501	180518	AE27556	EPA 200.7	241329000
03232	280	01022	181114	01	1	0.45		M	M	M	0.0023	0.0075	0.0075	181101	181128	AE31851	EPA 200.7	241329000
03232	280	01022	190508	01	1	0.46		M	M	M	0.0023	0.0075	0.0075	190501	190514	AE37963	EPA 200.7	241329000
03232	280	01022	191104	01	1	0.44		M	M	M	0.0045	0.015	0.015	191101	191120	AE41843	EPA 200.7	241329000
03232	280	01022	200505	01	1	0.491		M	M	M	0.0173	0.0577	0.0577	200501	200519	AE45611	EPA 200.7	241329000
03232	280	01022	201110	01	1	0.481		M	M	M	0.0173	0.04	0.04	201101	201117	AE49635	EPA 200.7	405132750
03232	280	01022	210511	01	1	0.488		M	M	M	0.0173	0.04	0.04	210501	210518	AE53141	EPA 200.7	405132750
03232	280	01022	211109	01	1	0.45		M	M	M	0.0173	0.04	0.04	211101	211116	AE57087	EPA 200.7	405132750
03232	280	01022	220504	01	1	0.455		M	M	M	0.003	0.01	0.01	220501	220520	AE60495	EPA 200.7	405132750
03232	280	01022	221107	01	1	0.46		M	M	M	0.0173	0.04	0.04	221101	221117	AE63530	EPA 200.7	405132750
03232	280	01027	151111	01	1		N	M	M	M	1.	5.	5.	151101	151128	40124666006	EPA 200.7	241329000
03232	280	01027	160216	01	1		N	M	M	M	1.	5.	5.	160201		40128456003	EPA 200.7	241329000
03232	280	01027	160511	01	1		N	M	M	M	1.	5.	5.	160501		40132272002	EPA 200.7	241329000
03232	280	01027	160830	01	1		N	M	M	M	1.	5.	5.	160801		40137606003	EPA 200.7	241329000
03232	280	01027	161114	01	1		N	M	M	M	1.3	5.	5.	161101		40142064003	EPA 200.7	241329000
03232	280	01027	170208	01	1		N	M	M	M	1.3	5.	5.	170201		40145548002	EPA 200.7	241329000
03232	280	01027	170515	01	1		N	M	M	M	1.3	5.	5.	170501		40150143005	EPA 200.7	241329000
03232	280	01027	170822	01	1		N	M	M	M	1.3	5.	5.	170801		40155549007	EPA 200.7	405132750
03232	280	01034	151111	01	1		N	M	M	M	1.5	5.	5.	151101		40124666006	EPA 200.7	241329000
03232	280	01034	160216	01	1		N	M	M	M	1.5	5.	5.	160201		40128456003	EPA 200.7	241329000
03232	280	01034	160511	01	1		N	M	M	M	1.5	5.	5.	160501		40132272002	EPA 200.7	241329000
03232	280	01034	160830	01	1		N	M	M	M	1.5	5.	5.	160801		40137606003	EPA 200.7	241329000
03232	280	01034	161114	01	1		N	M	M	M	2.5	10.	10.	161101		40142064003	EPA 200.7	241329000
03232	280	01034	170208	01	1		N	M	M	M	2.5	10.	10.	170201		40145548002	EPA 200.7	241329000
03232	280	01034	170515	01	1		N	M	M	M	2.5	10.	10.	170501		40150143005	EPA 200.7	241329000

03232	280	01034	170822	01	1		N	M	M	M	2.5	10.	10.	170801		40155549007	EPA 200.7	405132750
03232	280	01037	151111	01	1		N	M	M	M	1.3	5.	5.	151101		40124666006	EPA 200.7	241329000
03232	280	01037	160216	01	1		N	M	M	M	1.3	5.	5.	160201		40128456003	EPA 200.7	241329000
03232	280	01037	160511	01	1		N	M	M	M	1.3	5.	5.	160501		40132272002	EPA 200.7	241329000
03232	280	01037	160830	01	1		N	M	M	M	1.3	5.	5.	160801		40137606003	EPA 200.7	241329000
03232	280	01037	161114	01	1		N	M	M	M	1.4	5.	5.	161101		40142064003	EPA 200.7	241329000
03232	280	01037	170208	01	1		N	M	M	M	1.4	5.	5.	170201		40145548002	EPA 200.7	241329000
03232	280	01037	170515	01	1		N	M	M	M	1.4	5.	5.	170501		40150143005	EPA 200.7	241329000
03232	280	01037	170822	01	1		N	M	M	M	1.4	5.	5.	170801		40155549007	EPA 200.7	405132750
03232	280	01042	221107	01	1		N	M	M	M	3.4	10.	10.	221101	221117	AE63530	EPA 200.7	405132750
03232	280	01042	230608	01	1		N	M	M	M	4.	10.	10.	230601	230619	AE67097	EPA 200.7	241329000
03232	280	01042	230713	01	1		N	M	M	M	3.4	10.	10.	230701	230721	AE67716	EPA 200.7	241329000
03232	280	01042	230814	01	1		N	M	M	M	3.4	10.	10.	230801	230818	AE68266	EPA 200.7	241329000
03232	280	01051	151111	01	1		N	M	M	M	0.033	0.11	0.11	151101		40124666006	EPA 200.8	241329000
03232	280	01051	160216	01	1	0.19	J	M	M	M	0.04	1.	1.	160201		40128456003	EPA 200.8	241329000
03232	280	01051	160511	01	1	0.048	J	M	M	M	0.04	1.	1.	160501		40132272002	EPA 200.8	241329000
03232	280	01051	160830	01	1		N	M	M	M	0.04	1.	1.	160801		40137606003	EPA 200.8	241329000
03232	280	01051	161114	01	1		N	M	M	M	0.04	1.	1.	161101		40142064003	EPA 200.8	241329000
03232	280	01051	170208	01	1		N	M	M	M	0.04	1.	1.	170201		40145548002	EPA 200.8	241329000
03232	280	01051	170515	01	1		N	M	M	M	0.04	1.	1.	170501		40150143005	EPA 200.8	241329000
03232	280	01051	170822	01	1		N	M	M	M	0.2	1.	1.	170801		40155549007	EPA 200.8	405132750
03232	280	01055	230608	01	1	150		M	M	M	4.	10.	10.	230601	230620	AE67097	EPA 200.7	241329000
03232	280	01055	230713	01	1	159		M	M	M	1.5	5.	5.	230701	230721	AE67716	EPA 200.7	241329000
03232	280	01055	230814	01	1	149		M	M	M	1.5	5.	5.	230801	230818	AE68266	EPA 200.7	241329000
03232	280	01055	230927	01	1	164		M	M	M	1.5	5.	5.	230901	231003	40268803001	EPA 200.7	405132750
03232	280	01059	151111	01	1		N	M	M	M	0.018	0.06	0.06	151101		40124666006	EPA 200.8	241329000
03232	280	01059	160216	01	1	0.22	J	M	M	M	0.14	1.	1.	160201		40128456003	EPA 200.8	241329000
03232	280	01059	160511	01	1		N	M	M	M	0.14	1.	1.	160501		40132272002	EPA 200.8	241329000
03232	280	01059	160830	01	1		N	M	M	M	0.14	1.	1.	160801		40137606003	EPA 200.8	241329000
03232	280	01059	161114	01	1		N	M	M	M	0.14	1.	1.	161101		40142064003	EPA 200.8	241329000
03232	280	01059	170208	01	1		N	M	M	M	0.14	1.	1.	170201		40145548002	EPA 200.8	241329000
03232	280	01059	170515	01	1		N	M	M	M	0.14	1.	1.	170501		40150143005	EPA 200.8	241329000
03232	280	01059	170822	01	1		N	M	M	M	0.14	1.	1.	170801		40155549007	EPA 200.8	405132750
03232	280	01062	151111	01	1	28.1		M	M	M	2.5	20.	20.	151101		40124666006	EPA 200.7	241329000
03232	280	01062	160216	01	1	25.3		M	M	M	2.5	20.	20.	160201		40128456003	EPA 200.7	241329000
03232	280	01062	160511	01	1	22.2		M	M	M	2.5	20.	20.	160501		40132272002	EPA 200.7	241329000
03232	280	01062	160830	01	1	19.1	J	M	M	M	2.5	20.	20.	160801		40137606003	EPA 200.7	241329000
03232	280	01062	161114	01	1	31.6		M	M	M	1.4	10.	10.	161101		40142064003	EPA 200.7	241329000
03232	280	01062	170208	01	1	30		M	M	M	1.4	10.	10.	170201		40145548002	EPA 200.7	241329000
03232	280	01062	170515	01	1	38		M	M	M	1.4	10.	10.	170501		40150143005	EPA 200.7	241329000
03232	280	01062	170822	01	1	42		M	M	M	1.4	10.	10.	170801		40155549007	EPA 200.7	405132750
03232	280	01077	221107	01	1		N	M	M	M	3.2	10.	10.	221101	221117	AE63530	EPA 200.7	405132750
03232	280	01077	230608	01	1		N	M	M	M	20.	70.	70.	230601	230615	AE67097	EPA 200.7	241329000
03232	280	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67716	EPA 200.7	241329000
03232	280	01077	230814	01	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68266	EPA 200.7	241329000
03232	280	01092	221107	01	1		N	M	M	M	11.6	40.	40.	221101	221117	AE63530	EPA 200.7	405132750
03232	280	01092	230608	01	1		N	M	M	M	60.	200.	200.	230601	230619	AE67097	EPA 200.7	241329000
03232	280	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67716	EPA 200.7	241329000
03232	280	01092	230814	01	1		N	M	M	M	11.6	40.	40.	230801	230818	AE68266	EPA 200.7	241329000
03232	280	01097	151111	01	1		N	M	M	M	0.066	0.22	0.22	151101		40124666006	EPA 200.8	241329000
03232	280	01097	160216	01	1	0.3	J	M	M	M	0.073	1.	1.	160201	160310	40128456003	EPA 200.8	241329000
03232	280	01097	160511	01	1	0.13	J	M	M	M	0.073	1.	1.	160501		40132272002	EPA 200.8	241329000
03232	280	01097	160830	01	1		N	M	M	M	0.073	1.	1.	160801		40137606003	EPA 200.8	241329000
03232	280	01097	161114	01	1		N	M	M	M	0.073	1.	1.	161101		40142064003	EPA 200.8	241329000
03232	280	01097	170208	01	1	0.09	J	M	M	M	0.073	1.	1.	170201		40145548002	EPA 200.8	241329000
03232	280	01097	170515	01	1		N	M	M	M	0.073	1.	1.	170501		40150143005	EPA 200.8	241329000
03232	280	01097	170822	01	1		N	M	M	M	0.15	1.	1.	170801		40155549007	EPA 200.8	405132750
03232	280	01132	151111	01	1	9.3		M	M	M	0.13	0.42	0.42	151101		40124666006	EPA 200.8	241329000
03232	280	01132	160216	01	1	1.1		M	M	M	0.11	1.	1.	160201		40128456003	EPA 200.8	241329000
03232	280	01132	160511	01	1	0.91	J	M	M	M	0.11	1.	1.	160501		40132272002	EPA 200.8	241329000
03232	280	01132	160830	01	1	1.3		M	M	M	0.11	1.	1.	160801		40137606003	EPA 200.8	241329000
03232	280	01132	161114	01	1	1.1		M	M	M	0.11	1.	1.	161101	161206	40142064003	EPA 200.8	241329000
03232	280	01132	170208	01	1	1.9		M	M	M	0.11	1.	1.	170201		40145548002	EPA 200.8	241329000
03232	280	01132	170515	01	1	1.8		M	M	M	0.11	1.	1.	170501		40150143005	EPA 200.8	241329000
03232	280	01132	170822	01	1	2.2		M	M	M	0.14	1.	1.	170801		40155549007	EPA 200.8	405132750
03232	280	01147	151111	01	1	0.18	J	M	M	M	0.16	0.53	0.53	151101		40124666006	EPA 200.8	241329000
03232	280	01147	160216	01	1	0.25	J	M	M	M	0.21	1.	1.	160201		40128456003	EPA 200.8	241329000
03232	280	01147	160511	01	1		N	M	M	M	0.21	1.	1.	160501		40132272002	EPA 200.8	241329000
03232	280	01147	160830	01	1		N	M	M	M	0.21	1.	1.	160801		40137606003	EPA 200.8	241329000
03232	280	01147	161114	01	1		N	M	M	M	0.21	1.	1.	161101		40142064003	EPA 200.8	241329000
03232	280	01147	170208	01	1		N	M	M	M	0.21	1.	1.	170201		40145548002	EPA 200.8	241329000
03232	280	01147	170515	01	1		N	M	M	M	0.21	1.	1.	170501		40150143005	EPA 200.8	241329000
03232	280	01147	170822	01	1		N	M	M	M	0.32	1.1	1.1	170801		40155549007	EPA 200.8	405132750

03232	280	04189	151111	01	1	648.07		M	M	M	0.	0.	0.	151101		40124666006	Calculated	405132750
03232	280	04189	160216	01	1	653.44		M	M	M	0.	0.	0.	160201		40128456003	Calculated	405132750
03232	280	04189	160511	01	1	653.68		M	M	M	0.	0.	0.	160501		40132272002	Calculated	405132750
03232	280	04189	160830	01	1	645.78		M	M	M	0.	0.	0.	160801		40137606003	Calculated	405132750
03232	280	04189	161114	01	1	651.29		M	M	M	0.	0.	0.	161101		40142064003	Calculated	405132750
03232	280	04189	170208	01	1	653.74		M	M	M	0.	0.	0.	170201		40145548002	Calculated	405132750
03232	280	04189	170515	01	1	654.68		M	M	M	0.	0.	0.	170501		40150143005	Calculated	405132750
03232	280	04189	170821	01	1	651.96		M	M	M	0.	0.	0.	170801		40155549007	Calculated	405132750
03232	280	04189	171114	01	1	650.34		M	M	M	0.	0.	0.	171101		40161125002	calculated	241329000
03232	280	04189	180516	01	1	655.04		M	M	M	0.	0.	0.	180501		AE27556	Calculated	241329000
03232	280	04189	181114	01	1	645.44		M	M	M	0.	0.	0.	181101		AE31851	calculated	241329000
03232	280	04189	190508	01	1	656.39		M	M	M	0.	0.	0.	190501		AE37963	calculated	241329000
03232	280	04189	191104	01	1	656.23		M	M	M	0.	0.	0.	191101		AE41843	calculated	241329000
03232	280	04189	200505	01	1	656.54		M	M	M	0.	0.	0.	200501		AE45611	calculated	241329000
03232	280	04189	201110	01	1	654.87		M	M	M	0.	0.	0.	201101		AE49635	calculated	241329000
03232	280	04189	210511	01	1	655.41		M	M	M	0.	0.	0.	210501		AE53141	calculated	241329000
03232	280	04189	211109	01	1	652.14		M	M	M	0.	0.	0.	211101		AE57087	calculated	241329000
03232	280	04189	220504	01	1	655.1		M	M	M	0.	0.	0.	220501		AE60495	calculated	241329000
03232	280	04189	221107	01	1	648.69		M	M	M	0.	0.	0.	221101		AE63530	calculated	241329000
03232	280	04189	230608	01	1	653.99		M	M	M	0.	0.	0.	230601		AE67097	calculated	241329000
03232	280	04189	230713	01	1	651.6		M	M	M	0.	0.	0.	230701		AE67716	calculated	241329000
03232	280	04189	230814	01	1	651.54		M	M	M	0.	0.	0.	230801		AE68266	calculated	241329000
03232	280	04189	230927	01	1	648.36		M	M	M	0.	0.	0.	230901		40268803001	calculated	241329000
03232	280	11503	151111	01	1	1.29		M	M	M	1.35	4.4996	4.4996	151101	160310	40124666006	Total Radium Calc	241329000
03232	280	11503	160216	01	1	0.3		M	M	M	0.	0.	0.	160201	160310	40128456003	Total Radium Calc	241329000
03232	280	11503	160511	01	1	1.15		M	M	M	1.29	4.2996	4.2996	160501	160610	40132272002	Total Radium Calc	241329000
03232	280	11503	160830	01	1	1.55		M	M	M	0.	0.	0.	160801	160926	40137606003	Total Radium Calc	241329000
03232	280	11503	161114	01	1	0.221		M	M	M	0.	0.	0.	161101	161206	40142064003	Total Radium Calc	241329000
03232	280	11503	170208	01	1	0.987		M	M	M	0.	0.	0.	170201	170303	40145548002	Total Radium Calc	241329000
03232	280	11503	170515	01	1	0.531		M	M	M	1.69	5.6328	5.6328	170501	170613	40150143005	Total Radium Calc	241329000
03232	280	11503	170822	01	1	1.21		M	M	M	1.43	4.7662	4.7662	170801	170918	40155549007	Total Radium Calc	405132750
03232	280	70300	151111	01	1	432		M	M	M	8.7	28.9971	28.9971	151101	151117	40124666006	SM 2540C	241329000
03232	280	70300	160216	01	1	460		M	M	M	8.7	28.9971	28.9971	160201	160223	40128456003	SM 2540C	241329000
03232	280	70300	160511	01	1	446		M	M	M	8.7	28.9971	28.9971	160501	160518	40132272002	SM 2540C	241329000
03232	280	70300	160830	01	1	484		M	M	M	8.7	28.9971	28.9971	160801	160901	40137606003	SM 2540C	241329000
03232	280	70300	161114	01	1	510		M	M	M	8.7	28.9971	28.9971	161101	161117	40142064003	SM 2540C	241329000
03232	280	70300	170208	01	1	454		M	M	M	8.7	28.9971	28.9971	170201	170215	40145548002	SM 2540C	241329000
03232	280	70300	170515	01	1	448		M	M	M	8.7	28.9971	28.9971	170501	170522	40150143005	SM 2540C	241329000
03232	280	70300	170822	01	1	444		M	M	M	8.7	20.	20.	170801	170828	40155549007	SM 2540C	405132750
03232	280	70300	171114	01	1	416		M	M	M	8.7	20.	20.	171101	171120	40161125002	SM 2540C	241329000
03232	280	70300	180516	01	1	440		M	M	M	20.	66.66	66.66	180501	180518	AE27556	Std Mtd 2540 C	241329000
03232	280	70300	181114	01	1	430		M	M	M	20.	66.66	66.66	181101	181120	AE31851	Std Mtd 2540 C	241329000
03232	280	70300	190508	01	1	440		M	M	M	20.	66.66	66.66	190501	190514	AE37963	Std Mtd 2540 C	241329000
03232	280	70300	191104	01	1	430		M	M	M	20.	66.66	66.66	191101	191108	AE41843	Std Mtd 2540 C	241329000
03232	280	70300	200505	01	1	450		M	M	M	20.	66.66	66.66	200501	200507	AE45611	Std Mtd 2540 C	241329000
03232	280	70300	201110	01	1	410		M	M	M	20.	66.66	66.66	201101	201117	AE49635	Std Mtd 2540 C	241329000
03232	280	70300	210511	01	1	448		M	M	M	8.7	20.	20.	210501	210514	AE53141	Std Mtd 2540 C	405132750
03232	280	70300	211109	01	1	472		M	M	M	8.7	20.	20.	211101	211116	AE57087	Std Mtd 2540 C	405132750
03232	280	70300	220504	01	1	480		M	M	M	8.7	20.	20.	220501	220509	AE60495	Std Mtd 2540 C	405132750
03232	280	70300	221107	01	1	482		M	M	M	8.7	20.	20.	221101	221114	AE63530	Std Mtd 2540 C	405132750
03232	280	71900	151111	01	1		N	M	M	M	0.1	0.2	0.2	151101		40124666006	EPA 245.1	241329000
03232	280	71900	160216	01	1		N	M	M	M	0.1	0.2	0.2	160201		40128456003	EPA 245.1	241329000
03232	280	71900	160511	01	1		N	M	M	M	0.13	0.42	0.42	160501		40132272002	EPA 245.1	241329000
03232	280	71900	160830	01	1		N	M	M	M	0.13	0.42	0.42	160801		40137606003	EPA 245.1	241329000
03232	280	71900	161114	01	1		N	M	M	M	0.13	0.42	0.42	161101		40142064003	EPA 245.1	241329000
03232	280	71900	170208	01	1		N	M	M	M	0.13	0.42	0.42	170201		40145548002	EPA 245.1	241329000
03232	280	71900	170515	01	1		N	M	M	M	0.13	0.42	0.42	170501		40150143005	EPA 245.1	241329000
03232	280	71900	170822	01	1		N	M	M	M	0.13	0.42	0.42	170801		40155549007	EPA 245.1	405132750
03232	282	00010	151111	01	1	11.1		M	M	M	0.1	0.1	0.1	151101	151111	40124666005	FIELD	241329000
03232	282	00010	160216	01	1	9.94		M	M	M	0.1	0.1	0.1	160201	160216	40128456004	FIELD	241329000
03232	282	00010	160511	01	1	10.4		M	M	M	0.1	0.1	0.1	160501	160511	40132272003	FIELD	241329000
03232	282	00010	160830	01	1	8.3		M	M	M	0.1	0.1	0.1	160801	160830	40137606004	FIELD	241329000
03232	282	00010	161114	01	1	10.6		M	M	M	0.1	0.1	0.1	161101	161114	40142064004	FIELD	241329000
03232	282	00010	170208	01	1	9.44		M	M	M	0.1	0.1	0.1	170201	170208	40145548003	FIELD	241329000
03232	282	00010	170515	01	1	11.17		M	M	M	0.1	0.1	0.1	170501	170515	40150143006	FIELD	241329000
03232	282	00010	170822	01	1	12.48		M	M	M	0.1	0.1	0.1	170801	170822	40155549008	FIELD	241329000
03232	282	00010	171114	01	1	10.45		M	M	M	0.1	0.1	0.1	171101	171114	40161125003	FIELD	241329000
03232	282	00010	180516	01	1	11.5		M	M	M	0.1	0.1	0.1	180501	180516	AE27554	TEMP	241329000

03232	282	00010	180907	01	1	12.1	M	M	M	0.1	0.1	0.1	180901	180907	AE30278	TEMP	241329000
03232	282	00010	181114	01	1	10.2	M	M	M	0.1	0.1	0.1	181101	181114	AE31849	TEMP	241329000
03232	282	00010	190305	01	1	8.6	M	M	M	0.1	0.3333	0.3333	190301		AE34023	TEMP	241329000
03232	282	00010	190508	01	1	10.05	M	M	M	0.1	0.3333	0.3333	190501	190508	AE37960	TEMP	241329000
03232	282	00010	191002	01	1	11	M	M	M	0.1	0.3333	0.3333	191001	191002	AE40913	TEMP	241329000
03232	282	00010	191104	01	1	11	M	M	M	0.1	0.3333	0.3333	191101	191105	AE41842	TEMP	241329000
03232	282	00010	200505	01	1	9.5	M	M	M	0.1	0.3333	0.3333	200501	200505	AE45609	TEMP	241329000
03232	282	00010	200831	01	1	11	M	M	M	0.1	0.3333	0.3333	200801	200831	AE48108	TEMP	241329000
03232	282	00010	201109	01	1	11.1	M	M	M	0.1	0.3333	0.3333	201101	201109	AE49634	TEMP	241329000
03232	282	00010	210511	01	1	10.78	M	M	M	0.1	0.3333	0.3333	210501	210511	AE53142	TEMP	241329000
03232	282	00010	211108	01	1	18	M	M	M	0.1	0.3333	0.3333	211101	211109	AE57086	TEMP	241329000
03232	282	00010	220504	01	1	10.3	M	M	M	0.1	0.3333	0.3333	220501	220504	AE60494	TEMP	241329000
03232	282	00010	221107	01	1	11	M	M	M	0.1	0.3333	0.3333	221101	221107	AE63529	TEMP	241329000
03232	282	00010	230608	01	1	12	M	M	M	0.1	0.3333	0.3333	230601	230608	AE67098	TEMP	241329000
03232	282	00010	230814	01	1	12	M	M	M	0.1	0.3333	0.3333	230801	230814	AE68267	TEMP	241329000
03232	282	00010	230927	01	1	11.73	M	M	M	0.	0.	0.	230901	230927	40268803002	field	241329000
03232	282	00094	151111	01	1	376	M	M	M	0.	0.	0.	151101	151111	40124666005	FIELD	241329000
03232	282	00094	160216	01	1	353	M	M	M	0.	0.	0.	160201	160216	40128456004	FIELD	241329000
03232	282	00094	160511	01	1	354	M	M	M	0.	0.	0.	160501	160511	40132272003	FIELD	241329000
03232	282	00094	160830	01	1	338	M	M	M	0.	0.	0.	160801	160830	40137606004	FIELD	241329000
03232	282	00094	161114	01	1	343	M	M	M	0.	0.	0.	161101	161114	40142064004	FIELD	241329000
03232	282	00094	170208	01	1	327	M	M	M	0.	0.	0.	170201	170208	40145548003	FIELD	241329000
03232	282	00094	170515	01	1	374.2	M	M	M	0.	0.	0.	170501	170515	40150143006	FIELD	241329000
03232	282	00094	170822	01	1	333.2	M	M	M	0.	0.	0.	170801	170822	40155549008	FIELD	241329000
03232	282	00094	171114	01	1	374.6	M	M	M	0.	0.	0.	171101	171114	40161125003	FIELD	241329000
03232	282	00094	180516	01	1	342	M	M	M	0.	0.	0.	180501	180516	AE27554	FCOND25	241329000
03232	282	00094	180907	01	1	337	M	M	M	0.	0.	0.	180901	180907	AE30278	FCOND25	241329000
03232	282	00094	181114	01	1	349	M	M	M	0.	0.	0.	181101	181114	AE31849	FCOND25	241329000
03232	282	00094	190305	01	1	388	M	M	M	0.	0.	0.	190301		AE34023	FCOND25	241329000
03232	282	00094	190508	01	1	354.5	M	M	M	0.	0.	0.	190501	190508	AE37960	FCOND25	241329000
03232	282	00094	191002	01	1	368	M	M	M	0.	0.	0.	191001	191002	AE40913	FCOND25	241329000
03232	282	00094	191104	01	1	365	M	M	M	0.	0.	0.	191101	191105	AE41842	FCOND25	241329000
03232	282	00094	200505	01	1	322.9	M	M	M	0.	0.	0.	200501	200505	AE45609	FCOND25	241329000
03232	282	00094	200831	01	1	347	M	M	M	0.	0.	0.	200801	200831	AE48108	FCOND25	241329000
03232	282	00094	201109	01	1	109788	M	M	M	0.	0.	0.	201101	201109	AE49634	FCOND25	241329000
03232	282	00094	210511	01	1	332.88	M	M	M	0.	0.	0.	210501	210511	AE53142	FCOND25	241329000
03232	282	00094	211108	01	1	291	M	M	M	0.	0.	0.	211101	211109	AE57086	FCOND25	241329000
03232	282	00094	220504	01	1	422.23	M	M	M	0.	0.	0.	220501	220504	AE60494	FCOND25	241329000
03232	282	00094	221107	01	1	380	M	M	M	0.	0.	0.	221101	221107	AE63529	FCOND25	241329000
03232	282	00094	230608	01	1	336	M	M	M	0.	0.	0.	230601	230608	AE67098	FCOND25	241329000
03232	282	00094	230713	01	1	397	M	M	M	0.	0.	0.	230701	230713	AE67713	FCOND25	241329000
03232	282	00094	230814	01	1	316	M	M	M	0.	0.	0.	230801	230814	AE68267	FCOND25	241329000
03232	282	00094	230927	01	1	332	M	M	M	0.	0.	0.	230901	230927	40268803002	field	241329000
03232	282	00400	151111	01	1	8.2	M	M	M	0.1	0.1	0.1	151101	151111	40124666005	FIELD	241329000
03232	282	00400	160216	01	1	8.34	M	M	M	0.1	0.1	0.1	160201	160216	40128456004	FIELD	241329000
03232	282	00400	160511	01	1	8.13	M	M	M	0.1	0.1	0.1	160501	160511	40132272003	FIELD	241329000
03232	282	00400	160830	01	1	8.3	M	M	M	0.1	0.1	0.1	160801	160830	40137606004	FIELD	241329000
03232	282	00400	161114	01	1	8.3	M	M	M	0.1	0.1	0.1	161101	161114	40142064004	FIELD	241329000
03232	282	00400	170208	01	1	8.19	M	M	M	0.1	0.1	0.1	170201	170208	40145548003	FIELD	241329000
03232	282	00400	170515	01	1	7.83	M	M	M	0.1	0.1	0.1	170501	170515	40150143006	FIELD	241329000
03232	282	00400	170822	01	1	7.7	M	M	M	0.1	0.1	0.1	170801	170822	40155549008	FIELD	241329000
03232	282	00400	171114	01	1	8.23	M	M	M	0.1	0.1	0.1	171101	171114	40161125003	FIELD	241329000
03232	282	00400	180516	01	1	7.9	M	M	M	0.1	0.1	0.1	180501	180516	AE27554	FieldPH	241329000
03232	282	00400	180907	01	1	7.9	M	M	M	0.1	0.1	0.1	180901	180907	AE30278	FieldPH	241329000
03232	282	00400	181114	01	1	8	M	M	M	0.1	0.1	0.1	181101	181114	AE31849	FieldPH	241329000
03232	282	00400	190305	01	1	7.8	M	M	M	0.1	0.3333	0.3333	190301		AE34023	FieldPH	241329000
03232	282	00400	190508	01	1	8.21	M	M	M	0.1	0.1	0.1	190501	190508	AE37960	FieldPH	241329000
03232	282	00400	191002	01	1	7.9	M	M	M	0.1	0.1	0.1	191001	191002	AE40913	FieldPH	241329000
03232	282	00400	191104	01	1	7.9	M	M	M	0.1	0.1	0.1	191101	191105	AE41842	FieldPH	241329000
03232	282	00400	200505	01	1	7.9	M	M	M	0.1	0.1	0.1	200501	200505	AE45609	FieldPH	241329000
03232	282	00400	200831	01	1	7.85	M	M	M	0.1	0.1	0.1	200801	200831	AE48108	FieldPH	241329000
03232	282	00400	201109	01	1	8.02	M	M	M	0.1	0.1	0.1	201101	201109	AE49634	FieldPH	241329000

03232	282	00400	210511	01	1	8.2		M	M	M	0.1	0.1	0.1	210501	210511	AE53142	FieldPH	241329000
03232	282	00400	211108	01	1	8.1		M	M	M	0.1	0.1	0.1	211101	211109	AE57086	FieldPH	241329000
03232	282	00400	220504	01	1	7.84		M	M	M	0.1	0.1	0.1	220501	220504	AE60494	FieldPH	241329000
03232	282	00400	221107	01	1	7.9		M	M	M	0.1	0.1	0.1	221101	221107	AE63529	FieldPH	241329000
03232	282	00400	230608	01	1	7.9		M	M	M	0.1	0.1	0.1	230601	230608	AE67098	FieldPH	241329000
03232	282	00400	230713	01	1	7.6		M	M	M	0.1	0.1	0.1	230701	230713	AE67713	FieldPH	241329000
03232	282	00400	230814	01	1	8.8		M	M	M	0.1	0.1	0.1	230801	230814	AE68267	FieldPH	241329000
03232	282	00400	230927	01	1	8.13		M	M	M	0.	0.	0.	230901	230927	40268803002	field	241329000
03232	282	00410	170515	01	1	139		M	M	M	5.	10.	10.	170501	170523	40150143006	SM 2320B	241329000
03232	282	00410	170822	01	1	139		M	M	M	5.	10.	10.	170801	170829	40155549008	SM 2320B	405132750
03232	282	00410	191104	01	1	140		M	M	M	5.	17.	17.	191101	191114	AE41842	Std Mtd 2320B	241329000
03232	282	00410	201109	01	1	140		M	M	M	5.	17.	17.	201101	201119	AE49634	Std Mtd 2320B	241329000
03232	282	00410	211108	01	1	142		M	M	M	5.	10.	10.	211101	211118	AE57086	Std Mtd 2320B	405132750
03232	282	00410	221107	01	1	142		M	M	M	5.	10.	10.	221101	221116	AE63529	Std Mtd 2320B	405132750
03232	282	00630	221107	01	1		N	M	M	M	0.021	0.1	0.1	221101	221111	AE63529	EPA 353.2	405132750
03232	282	00630	230608	01	1	0.9		M	M	M	0.011	0.036	0.036	230601	230612	AE67098	EPA 353.2	405132750
03232	282	00630	230713	01	1	0.9		M	M	M	0.011	0.036	0.036	230701	230717	AE67713	EPA 353.2	405132750
03232	282	00630	230814	01	1	1.46		M	M	M	0.011	0.036	0.036	230801	230816	AE68267	EPA 353.2	405132750
03232	282	00900	221107	01	1	86.8		M	M	M	1.	5.4	5.4	221101	221117	AE63529	Std Mtd 2340B	405132750
03232	282	00900	230608	01	1	81		M	M	M	1.	3.333	3.333	230601	230620	AE67098	Std Mtd 2340B	241329000
03232	282	00900	230713	01	1	80.8		M	M	M	1.	5.4	5.4	230701	230721	AE67713	Std Mtd 2340B	241329000
03232	282	00900	230814	01	1	85.7		M	M	M	1.	5.4	5.4	230801	230818	AE68267	Std Mtd 2340B	241329000
03232	282	00916	151111	01	1	19.9		M	M	M	0.0235	1.	1.	151101	151117	40124666005	EPA 200.7	241329000
03232	282	00916	160216	01	1	18.6		M	M	M	0.0235	1.	1.	160201	160310	40128456004	EPA 200.7	241329000
03232	282	00916	160511	01	1	18.8		M	M	M	0.0235	1.	1.	160501	160518	40132272003	EPA 200.7	241329000
03232	282	00916	160830	01	1	19.9		M	M	M	0.0235	1.	1.	160801	160902	40137606004	EPA 200.7	241329000
03232	282	00916	161114	01	1	18.9		M	M	M	0.0977	0.5	0.5	161101	161122	40142064004	EPA 200.7	241329000
03232	282	00916	170208	01	1	18.4		M	M	M	0.0977	0.5	0.5	170201	170214	40145548003	EPA 200.7	241329000
03232	282	00916	170515	01	1	17.9		M	M	M	0.0977	0.5	0.5	170501	170523	40150143006	EPA 200.7	241329000
03232	282	00916	170822	01	1	17.7		M	M	M	0.0977	0.5	0.5	170801	170830	40155549008	EPA 200.7	405132750
03232	282	00916	171114	01	1	18.6		M	M	M	0.0977	0.5	0.5	171101	171201	40161125003	EPA 200.7	241329000
03232	282	00916	180516	01	1	19		M	M	M	0.017	0.058	0.058	180501	180518	AE27554	EPA 200.7	241329000
03232	282	00916	181114	01	1	19		M	M	M	0.017	0.058	0.058	181101	181128	AE31849	EPA 200.7	241329000
03232	282	00916	190508	01	1	18		M	M	M	0.017	0.058	0.058	190501	190514	AE37960	EPA 200.7	241329000
03232	282	00916	191104	01	1	18		M	M	M	0.027	0.089	0.089	191101	191120	AE41842	EPA 200.7	241329000
03232	282	00916	200505	01	1	19		M	M	M	0.114	0.5	0.5	200501	200519	AE45609	EPA 200.7	241329000
03232	282	00916	201109	01	1	19.9		M	M	M	0.114	0.5	0.5	201101		AE49634	EPA 200.7	405132750
03232	282	00916	210511	01	1	18		M	M	M	0.114	0.5	0.5	210501	210518	AE53142	EPA 200.7	405132750
03232	282	00916	211108	01	1	18.4		M	M	M	0.114	0.5	0.5	211101		AE57086	EPA 200.7	405132750
03232	282	00916	220504	01	1	20.7		M	M	M	0.0762	0.254	0.254	220501	220520	AE60494	EPA 200.7	405132750
03232	282	00916	221107	01	1	17.9		M	M	M	0.114	0.5	0.5	221101		AE63529	EPA 200.7	405132750
03232	282	00916	230608	01	1	17		M	M	M	0.55	1.9	1.9	230601	230620	AE67098	EPA 200.7	241329000
03232	282	00916	230713	01	1	16.9		M	M	M	0.11	0.5	0.5	230701	230721	AE67713	EPA 200.7	241329000
03232	282	00916	230814	01	1	18.1		M	M	M	0.114	0.5	0.5	230801	230818	AE68267	EPA 200.7	241329000
03232	282	00940	151111	01	1	4.6		M	M	M	2.	4.	4.	151101	151128	40124666005	EPA 300.0	241329000
03232	282	00940	160216	01	1	4.9		M	M	M	2.	4.	4.	160201	160224	40128456004	EPA 300.0	241329000
03232	282	00940	160511	01	1	4.9		M	M	M	2.	4.	4.	160501	160524	40132272003	EPA 300.0	241329000
03232	282	00940	160830	01	1	4.1		M	M	M	2.	4.	4.	160801	160909	40137606004	EPA 300.0	241329000
03232	282	00940	161114	01	1	3.9		M	M	M	0.5	2.	2.	161101	161206	40142064004	EPA 300.0	241329000
03232	282	00940	170208	01	1	4		M	M	M	0.5	2.	2.	170201	170223	40145548003	EPA 300.0	241329000
03232	282	00940	170515	01	1	3.8		M	M	M	0.5	2.	2.	170501	170608	40150143006	EPA 300.0	241329000
03232	282	00940	170822	01	1	3.8		M	M	M	0.5	2.	2.	170801	170905	40155549008	EPA 300.0	405132750
03232	282	00940	171114	01	1	4.9	J	M	M	M	2.5	10.	10.	171101	171214	40161125003	EPA 300.0	241329000
03232	282	00940	180516	01	1	3.4		M	M	M	0.43	1.4	1.4	180501	180521	AE27554	EPA 300.0	241329000
03232	282	00940	181114	01	1	3.4		M	M	M	0.21	0.7	0.7	181101	181126	AE31849	EPA 300.0	241329000
03232	282	00940	190508	01	1	3.7		M	M	M	0.1	0.34	0.34	190501	190522	AE37960	EPA 300.0	241329000
03232	282	00940	191104	01	1	3.6		M	M	M	0.18	0.6	0.6	191101	191112	AE41842	EPA 300.0	241329000
03232	282	00940	200505	01	1	3.7		M	M	M	0.002	0.006	0.006	200501	200513	AE45609	EPA 300.0	241329000
03232	282	00940	201109	01	1	3.5		M	M	M	0.046	0.154	0.154	201101	201119	AE49634	EPA 300.0	241329000
03232	282	00940	210511	01	1	3.7		M	M	M	0.43	2.	2.	210501	210601	AE53142	EPA 300.0	405132750
03232	282	00940	211108	01	1	3.8		M	M	M	0.43	2.	2.	211101	211206	AE57086	EPA 300.0	405132750
03232	282	00940	220504	01	1	6.5	J	F	M	M	2.2	10.	10.	220501	220517	AE60494	EPA 300.0	405132750

03232	282	00940	221107	01	1	3.6		M	M	M	0.43	2.	2.	221101	221111	AE63529	EPA 300.0	405132750
03232	282	00945	151111	01	1	30.4		M	M	M	2.	4.	4.	151101	151128	40124666005	EPA 300.0	241329000
03232	282	00945	160216	01	1	31.2		M	M	M	2.	4.	4.	160201	160224	40128456004	EPA 300.0	241329000
03232	282	00945	160511	01	1	32.3		M	M	M	2.	4.	4.	160501	160524	40132272003	EPA 300.0	241329000
03232	282	00945	160830	01	1	31.5		M	M	M	2.	4.	4.	160801	160909	40137606004	EPA 300.0	241329000
03232	282	00945	161114	01	1	33.9		M	M	M	1.	3.	3.	161101	161206	40142064004	EPA 300.0	241329000
03232	282	00945	170208	01	1	33.5		M	M	M	1.	3.	3.	170201	170223	40145548003	EPA 300.0	241329000
03232	282	00945	170515	01	1	33.4		M	M	M	1.	3.	3.	170501	170608	40150143006	EPA 300.0	241329000
03232	282	00945	170822	01	1	31.8		M	M	M	1.	3.	3.	170801	170905	40155549008	EPA 300.0	405132750
03232	282	00945	171114	01	1	32.2		M	M	M	5.	15.	15.	171101	171214	40161125003	EPA 300.0	241329000
03232	282	00945	180516	01	1	32		M	M	M	0.14	0.47	0.47	180501	180521	AE27554	EPA 300.0	241329000
03232	282	00945	181114	01	1	34		M	M	M	0.11	0.37	0.37	181101	181126	AE31849	EPA 300.0	241329000
03232	282	00945	190508	01	1	37		M	M	M	0.16	0.55	0.55	190501	190522	AE37960	EPA 300.0	241329000
03232	282	00945	191104	01	1	33		M	M	M	0.14	0.48	0.48	191101	191113	AE41842	EPA 300.0	241329000
03232	282	00945	200505	01	1	34		M	M	M	0.031	0.04	0.04	200501	200513	AE45609	EPA 300.0	241329000
03232	282	00945	201109	01	1	34		M	M	M	0.154	0.514	0.514	201101	201119	AE49634	EPA 300.0	241329000
03232	282	00945	210511	01	1	35.7		M	M	M	0.44	2.	2.	210501	210601	AE53142	EPA 300.0	405132750
03232	282	00945	211108	01	1	33.2		M	M	M	0.44	2.	2.	211101	211206	AE57086	EPA 300.0	405132750
03232	282	00945	220504	01	1	33.9		M	M	M	2.2	10.	10.	220501	220517	AE60494	EPA 300.0	405132750
03232	282	00945	221107	01	1	32.9		M	M	M	0.44	2.	2.	221101	221111	AE63529	EPA 300.0	405132750
03232	282	00951	151111	01	1	1.3		M	M	M	0.2	0.4	0.4	151101	151128	40124666005	EPA 300.0	241329000
03232	282	00951	160216	01	1	1.3		M	M	M	0.2	0.4	0.4	160201	160224	40128456004	EPA 300.0	241329000
03232	282	00951	160511	01	1	1.4		M	M	M	0.2	0.4	0.4	160501	160524	40132272003	EPA 300.0	241329000
03232	282	00951	160830	01	1	1.3		M	M	M	0.2	0.4	0.4	160801	160909	40137606004	EPA 300.0	241329000
03232	282	00951	161114	01	1	1.4		M	M	M	0.1	0.3	0.3	161101	161206	40142064004	EPA 300.0	241329000
03232	282	00951	170208	01	1	1.3		M	M	M	0.1	0.3	0.3	170201	170223	40145548003	EPA 300.0	241329000
03232	282	00951	170515	01	1	1.4		M	M	M	0.1	0.3	0.3	170501	170608	40150143006	EPA 300.0	241329000
03232	282	00951	170822	01	1	1.3		M	M	M	0.1	0.3	0.3	170801	170905	40155549008	EPA 300.0	405132750
03232	282	00951	171114	01	1	1.4	J	M	M	M	0.5	1.5	1.5	171101	171214	40161125003	EPA 300.0	241329000
03232	282	00951	180516	01	1	1.2		M	M	M	0.05	0.17	0.17	180501	180521	AE27554	EPA 300.0	241329000
03232	282	00951	181114	01	1	1.2		M	M	M	0.04	0.13	0.13	181101	181126	AE31849	EPA 300.0	241329000
03232	282	00951	190508	01	1	1.3		M	M	M	0.06	0.19	0.19	190501	190522	AE37960	EPA 300.0	241329000
03232	282	00951	191104	01	1	1.3		M	M	M	0.07	0.22	0.22	191101	191112	AE41842	EPA 300.0	241329000
03232	282	00951	200505	01	1	1.3		M	M	M	0.007	0.023	0.023	200501	200513	AE45609	EPA 300.0	241329000
03232	282	00951	201109	01	1	1.5		M	M	M	0.008	0.026	0.026	201101	201119	AE49634	EPA 300.0	241329000
03232	282	00951	210511	01	1	1.4		M	M	M	0.095	0.32	0.32	210501	210601	AE53142	EPA 300.0	405132750
03232	282	00951	211108	01	1	1.4		M	M	M	0.095	0.32	0.32	211101	211206	AE57086	EPA 300.0	405132750
03232	282	00951	220504	01	1	1.6		M	M	M	0.48	1.6	1.6	220501	220517	AE60494	EPA 300.0	405132750
03232	282	00951	221107	01	1	1.3		M	M	M	0.095	0.32	0.32	221101	221111	AE63529	EPA 300.0	405132750
03232	282	01002	151111	01	1	0.76		M	M	M	0.11	0.38	0.38	151101		40124666005	EPA 200.8	241329000
03232	282	01002	160216	01	1	0.62	J	M	M	M	0.099	1.	1.	160201		40128456004	EPA 200.8	241329000
03232	282	01002	160511	01	1	0.7	J	M	M	M	0.099	1.	1.	160501		40132272003	EPA 200.8	241329000
03232	282	01002	160830	01	1	0.74	J	M	M	M	0.099	1.	1.	160801		40137606004	EPA 200.8	241329000
03232	282	01002	161114	01	1	0.73	J	M	M	M	0.099	1.	1.	161101		40142064004	EPA 200.8	241329000
03232	282	01002	170208	01	1	0.58	J	M	M	M	0.099	1.	1.	170201		40145548003	EPA 200.8	241329000
03232	282	01002	170515	01	1	0.72	J	M	M	M	0.099	1.	1.	170501		40150143006	EPA 200.8	241329000
03232	282	01002	170822	01	1	0.53	J	M	M	M	0.28	1.	1.	170801		40155549008	EPA 200.8	405132750
03232	282	01007	151111	01	1	46.3		M	M	M	1.7	5.	5.	151101		40124666005	EPA 200.7	241329000
03232	282	01007	160216	01	1	43.3		M	M	M	1.7	5.	5.	160201		40128456004	EPA 200.7	241329000
03232	282	01007	160511	01	1	44.4		M	M	M	1.7	5.	5.	160501		40132272003	EPA 200.7	241329000
03232	282	01007	160830	01	1	47		M	M	M	1.7	5.	5.	160801		40137606004	EPA 200.7	241329000
03232	282	01007	161114	01	1	46.9		M	M	M	1.5	5.	5.	161101		40142064004	EPA 200.7	241329000
03232	282	01007	170208	01	1	45.8		M	M	M	1.5	5.	5.	170201		40145548003	EPA 200.7	241329000
03232	282	01007	170515	01	1	46.1		M	M	M	1.5	5.	5.	170501		40150143006	EPA 200.7	241329000
03232	282	01007	170822	01	1	47.6		M	M	M	1.5	5.	5.	170801		40155549008	EPA 200.7	405132750
03232	282	01012	151111	01	1		N	M	M	M	0.68	4.	4.	151101		40124666005	EPA 200.7	241329000
03232	282	01012	160216	01	1		N	M	M	M	0.68	4.	4.	160201		40128456004	EPA 200.7	241329000
03232	282	01012	160511	01	1		N	M	M	M	0.68	4.	4.	160501		40132272003	EPA 200.7	241329000
03232	282	01012	160830	01	1		N	M	M	M	0.68	4.	4.	160801		40137606004	EPA 200.7	241329000
03232	282	01012	161114	01	1		N	M	M	M	1.2	4.	4.	161101		40142064004	EPA 200.7	241329000
03232	282	01012	170208	01	1		N	M	M	M	1.2	4.	4.	170201		40145548003	EPA 200.7	241329000
03232	282	01012	170515	01	1		N	M	M	M	1.2	4.	4.	170501		40150143006	EPA 200.7	241329000

03232	282	01012	170822	01	1		N	M	M	M	1.2	4.	4.	170801		40155549008	EPA 200.7	405132750
03232	282	01022	151111	01	1	0.379		M	M	M	0.0028	0.019	0.019	151101	151117	40124666005	EPA 200.7	241329000
03232	282	01022	160216	01	1	0.404		M	M	M	0.0028	0.019	0.019	160201	160310	40128456004	EPA 200.7	241329000
03232	282	01022	160511	01	1	0.389		M	M	M	0.0028	0.019	0.019	160501	160518	40132272003	EPA 200.7	241329000
03232	282	01022	160830	01	1	0.35		M	M	M	0.0028	0.019	0.019	160801	160902	40137606004	EPA 200.7	241329000
03232	282	01022	161114	01	1	0.389		M	M	M	0.0067	0.04	0.04	161101	161122	40142064004	EPA 200.7	241329000
03232	282	01022	170208	01	1	0.37		M	M	M	0.0067	0.04	0.04	170201	170214	40145548003	EPA 200.7	241329000
03232	282	01022	170515	01	1	0.38		M	M	M	0.0067	0.04	0.04	170501	170523	40150143006	EPA 200.7	241329000
03232	282	01022	170822	01	1	0.39		M	M	M	0.0067	0.04	0.04	170801	170830	40155549008	EPA 200.7	405132750
03232	282	01022	171114	01	1	0.394		M	M	M	0.0067	0.04	0.04	171101	171201	40161125003	EPA 200.7	241329000
03232	282	01022	180516	01	1	0.41		M	M	M	0.0023	0.0075	0.0075	180501	180518	AE27554	EPA 200.7	241329000
03232	282	01022	180907	01	1	0.39		M	M	M	0.0023	0.0075	0.0075	180901	180912	AE30278	EPA 200.7	241329000
03232	282	01022	181114	01	1	0.41		M	M	M	0.0023	0.0075	0.0075	181101		AE31849	EPA 200.7	241329000
03232	282	01022	190305	01	1	0.39		M	M	M	0.0023	0.0075	0.0075	190301		AE34023	EPA 200.7	241329000
03232	282	01022	190508	01	1	0.41		M	M	M	0.0023	0.0075	0.0075	190501		AE37960	EPA 200.7	241329000
03232	282	01022	191002	01	1	0.4		M	M	M	0.0045	0.015	0.015	191001	191010	AE40913	EPA 200.7	241329000
03232	282	01022	191104	01	1	0.39		M	M	M	0.0045	0.015	0.015	191101	191120	AE41842	EPA 200.7	241329000
03232	282	01022	200505	01	1	0.429		M	M	M	0.0173	0.0577	0.0577	200501	200519	AE45609	EPA 200.7	241329000
03232	282	01022	200831	01	1	0.418		M	M	M	0.0173	0.0577	0.0577	200801	200916	AE48108	EPA 200.7	405132750
03232	282	01022	201109	01	1	0.446		M	M	M	0.0173	0.04	0.04	201101	201117	AE49634	EPA 200.7	405132750
03232	282	01022	210511	01	1	0.435		M	M	M	0.0173	0.04	0.04	210501	210518	AE53142	EPA 200.7	405132750
03232	282	01022	211108	01	1	0.391		M	M	M	0.0173	0.04	0.04	211101	211116	AE57086	EPA 200.7	405132750
03232	282	01022	220504	01	1	0.402		M	M	M	0.003	0.01	0.01	220501	220520	AE60494	EPA 200.7	405132750
03232	282	01022	221107	01	1	0.422		M	M	M	0.0173	0.04	0.04	221101	221117	AE63529	EPA 200.7	405132750
03232	282	01027	151111	01	1		N	M	M	M	1.	5.	5.	151101		40124666005	EPA 200.7	241329000
03232	282	01027	160216	01	1		N	M	M	M	1.	5.	5.	160201		40128456004	EPA 200.7	241329000
03232	282	01027	160511	01	1		N	M	M	M	1.	5.	5.	160501		40132272003	EPA 200.7	241329000
03232	282	01027	160830	01	1		N	M	M	M	1.	5.	5.	160801		40137606004	EPA 200.7	241329000
03232	282	01027	161114	01	1		N	M	M	M	1.3	5.	5.	161101		40142064004	EPA 200.7	241329000
03232	282	01027	170208	01	1		N	M	M	M	1.3	5.	5.	170201	170223	40145548003	EPA 200.7	241329000
03232	282	01027	170515	01	1		N	M	M	M	1.3	5.	5.	170501		40150143006	EPA 200.7	241329000
03232	282	01027	170822	01	1		N	M	M	M	1.3	5.	5.	170801	170905	40155549008	EPA 200.7	405132750
03232	282	01034	151111	01	1		N	M	M	M	1.5	5.	5.	151101		40124666005	EPA 200.7	241329000
03232	282	01034	160216	01	1		N	M	M	M	1.5	5.	5.	160201		40128456004	EPA 200.7	241329000
03232	282	01034	160511	01	1		N	M	M	M	1.5	5.	5.	160501		40132272003	EPA 200.7	241329000
03232	282	01034	160830	01	1		N	M	M	M	1.5	5.	5.	160801		40137606004	EPA 200.7	241329000
03232	282	01034	161114	01	1		N	M	M	M	2.5	10.	10.	161101		40142064004	EPA 200.7	241329000
03232	282	01034	170208	01	1		N	M	M	M	2.5	10.	10.	170201		40145548003	EPA 200.7	241329000
03232	282	01034	170515	01	1		N	M	M	M	2.5	10.	10.	170501		40150143006	EPA 200.7	241329000
03232	282	01034	170822	01	1		N	M	M	M	2.5	10.	10.	170801		40155549008	EPA 200.7	405132750
03232	282	01037	151111	01	1		N	M	M	M	1.3	5.	5.	151101	151128	40124666005	EPA 200.7	241329000
03232	282	01037	160216	01	1		N	M	M	M	1.3	5.	5.	160201	160224	40128456004	EPA 200.7	241329000
03232	282	01037	160511	01	1		N	M	M	M	1.3	5.	5.	160501		40132272003	EPA 200.7	241329000
03232	282	01037	160830	01	1		N	M	M	M	1.3	5.	5.	160801	160909	40137606004	EPA 200.7	241329000
03232	282	01037	161114	01	1		N	M	M	M	1.4	5.	5.	161101	161206	40142064004	EPA 200.7	241329000
03232	282	01037	170208	01	1		N	M	M	M	1.4	5.	5.	170201		40145548003	EPA 200.7	241329000
03232	282	01037	170515	01	1		N	M	M	M	1.4	5.	5.	170501	170608	40150143006	EPA 200.7	241329000
03232	282	01037	170822	01	1		N	M	M	M	1.4	5.	5.	170801		40155549008	EPA 200.7	405132750
03232	282	01042	221107	01	1		N	M	M	M	3.4	10.	10.	221101	221117	AE63529	EPA 200.7	405132750
03232	282	01042	230608	01	1		N	M	M	M	4.	10.	10.	230601	230619	AE67098	EPA 200.7	241329000
03232	282	01042	230713	01	1		N	M	M	M	3.4	10.	10.	230701	230721	AE67713	EPA 200.7	241329000
03232	282	01042	230814	01	1		N	M	M	M	3.4	10.	10.	230801	230818	AE68267	EPA 200.7	241329000
03232	282	01051	151111	01	1	0.11		M	M	M	0.033	0.11	0.11	151101		40124666005	EPA 200.8	241329000
03232	282	01051	160216	01	1	0.046	J	M	M	M	0.04	1.	1.	160201		40128456004	EPA 200.8	241329000
03232	282	01051	160511	01	1	0.055	J	M	M	M	0.04	1.	1.	160501		40132272003	EPA 200.8	241329000
03232	282	01051	160830	01	1	0.11	J	M	M	M	0.04	1.	1.	160801		40137606004	EPA 200.8	241329000
03232	282	01051	161114	01	1	0.082	J	M	M	M	0.04	1.	1.	161101		40142064004	EPA 200.8	241329000
03232	282	01051	170208	01	1		N	M	M	M	0.04	1.	1.	170201		40145548003	EPA 200.8	241329000
03232	282	01051	170515	01	1	0.043	J	M	M	M	0.04	1.	1.	170501		40150143006	EPA 200.8	241329000
03232	282	01051	170822	01	1		N	M	M	M	0.2	1.	1.	170801		40155549008	EPA 200.8	405132750
03232	282	01055	230608	01	1	6	J	M	M	M	4.	10.	10.	230601	230620	AE67098	EPA 200.7	241329000
03232	282	01055	230713	01	1	6.4		M	M	M	1.5	5.	5.	230701	230721	AE67713	EPA 200.7	241329000

03232	282	01055	230814	01	1	7.4		M	M	M	1.5	5.	5.	230801	230818	AE68267	EPA 200.7	241329000
03232	282	01055	230927	01	1	7.4		M	M	M	1.5	5.	5.	230901	231003	40268803002	EPA 200.7	405132750
03232	282	01059	151111	01	1		N	M	M	M	0.018	0.06	0.06	151101		40124666005	EPA 200.8	241329000
03232	282	01059	160216	01	1		N	M	M	M	0.14	1.	1.	160201		40128456004	EPA 200.8	241329000
03232	282	01059	160511	01	1		N	M	M	M	0.14	1.	1.	160501		40132272003	EPA 200.8	241329000
03232	282	01059	160830	01	1	0.36	J	M	M	M	0.14	1.	1.	160801		40137606004	EPA 200.8	241329000
03232	282	01059	161114	01	1	0.16	J	M	M	M	0.14	1.	1.	161101		40142064004	EPA 200.8	241329000
03232	282	01059	170208	01	1		N	M	M	M	0.14	1.	1.	170201		40145548003	EPA 200.8	241329000
03232	282	01059	170515	01	1		N	M	M	M	0.14	1.	1.	170501		40150143006	EPA 200.8	241329000
03232	282	01059	170822	01	1		N	M	M	M	0.14	1.	1.	170801		40155549008	EPA 200.8	405132750
03232	282	01062	151111	01	1	29.5		M	M	M	2.5	20.	20.	151101		40124666005	EPA 200.7	241329000
03232	282	01062	160216	01	1	32.1		M	M	M	2.5	20.	20.	160201		40128456004	EPA 200.7	241329000
03232	282	01062	160511	01	1	30.2		M	M	M	2.5	20.	20.	160501		40132272003	EPA 200.7	241329000
03232	282	01062	160830	01	1	30.7		M	M	M	2.5	20.	20.	160801		40137606004	EPA 200.7	241329000
03232	282	01062	161114	01	1	32.2		M	M	M	1.4	10.	10.	161101		40142064004	EPA 200.7	241329000
03232	282	01062	170208	01	1	29		M	M	M	1.4	10.	10.	170201		40145548003	EPA 200.7	241329000
03232	282	01062	170515	01	1	31		M	M	M	1.4	10.	10.	170501		40150143006	EPA 200.7	241329000
03232	282	01062	170822	01	1	31		M	M	M	1.4	10.	10.	170801		40155549008	EPA 200.7	405132750
03232	282	01077	221107	01	1		N	M	M	M	3.2	10.	10.	221101	221117	AE63529	EPA 200.7	405132750
03232	282	01077	230608	01	1		N	M	M	M	20.	70.	70.	230601	230619	AE67098	EPA 200.7	241329000
03232	282	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67713	EPA 200.7	241329000
03232	282	01077	230814	01	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68267	EPA 200.7	241329000
03232	282	01092	221107	01	1		N	M	M	M	11.6	40.	40.	221101	221117	AE63529	EPA 200.7	405132750
03232	282	01092	230608	01	1		N	M	M	M	60.	200.	200.	230601	230619	AE67098	EPA 200.7	241329000
03232	282	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67713	EPA 200.7	241329000
03232	282	01092	230814	01	1		N	M	M	M	11.6	40.	40.	230801	230818	AE68267	EPA 200.7	241329000
03232	282	01097	151111	01	1		N	M	M	M	0.066	0.22	0.22	151101		40124666005	EPA 200.8	241329000
03232	282	01097	160216	01	1	0.084	J	M	M	M	0.073	1.	1.	160201		40128456004	EPA 200.8	241329000
03232	282	01097	160511	01	1	0.077	J	M	M	M	0.073	1.	1.	160501		40132272003	EPA 200.8	241329000
03232	282	01097	160830	01	1	0.14	J	M	M	M	0.073	1.	1.	160801		40137606004	EPA 200.8	241329000
03232	282	01097	161114	01	1	0.15	J	M	M	M	0.073	1.	1.	161101		40142064004	EPA 200.8	241329000
03232	282	01097	170208	01	1		N	M	M	M	0.073	1.	1.	170201		40145548003	EPA 200.8	241329000
03232	282	01097	170515	01	1		N	M	M	M	0.073	1.	1.	170501		40150143006	EPA 200.8	241329000
03232	282	01097	170822	01	1		N	M	M	M	0.15	1.	1.	170801		40155549008	EPA 200.8	405132750
03232	282	01132	151111	01	1	5		M	M	M	0.13	0.42	0.42	151101		40124666005	EPA 200.8	241329000
03232	282	01132	160216	01	1	5.3		M	M	M	0.11	1.	1.	160201		40128456004	EPA 200.8	241329000
03232	282	01132	160511	01	1	5.3		M	M	M	0.11	1.	1.	160501		40132272003	EPA 200.8	241329000
03232	282	01132	160830	01	1	5.1		M	M	M	0.11	1.	1.	160801		40137606004	EPA 200.8	241329000
03232	282	01132	161114	01	1	5.7		M	M	M	0.11	1.	1.	161101		40142064004	EPA 200.8	241329000
03232	282	01132	170208	01	1	5.7		M	M	M	0.11	1.	1.	170201		40145548003	EPA 200.8	241329000
03232	282	01132	170515	01	1	5.6		M	M	M	0.11	1.	1.	170501		40150143006	EPA 200.8	241329000
03232	282	01132	170822	01	1	5.5		M	M	M	0.14	1.	1.	170801		40155549008	EPA 200.8	405132750
03232	282	01147	151111	01	1		N	M	M	M	0.16	0.53	0.53	151101		40124666005	EPA 200.8	241329000
03232	282	01147	160216	01	1		N	M	M	M	0.21	1.	1.	160201		40128456004	EPA 200.8	241329000
03232	282	01147	160511	01	1		N	M	M	M	0.21	1.	1.	160501		40132272003	EPA 200.8	241329000
03232	282	01147	160830	01	1		N	M	M	M	0.21	1.	1.	160801		40137606004	EPA 200.8	241329000
03232	282	01147	161114	01	1		N	M	M	M	0.21	1.	1.	161101		40142064004	EPA 200.8	241329000
03232	282	01147	170208	01	1		N	M	M	M	0.21	1.	1.	170201		40145548003	EPA 200.8	241329000
03232	282	01147	170515	01	1		N	M	M	M	0.21	1.	1.	170501		40150143006	EPA 200.8	241329000
03232	282	01147	170822	01	1		N	M	M	M	0.32	1.1	1.1	170801		40155549008	EPA 200.8	405132750
03232	282	04189	151111	01	1	647.35		M	M	M	0.	0.	0.	151101		40124666005	Calculated	405132750
03232	282	04189	160216	01	1	652.74		M	M	M	0.	0.	0.	160201		40128456004	Calculated	405132750
03232	282	04189	160511	01	1	651.9		M	M	M	0.	0.	0.	160501		40132272003	Calculated	405132750
03232	282	04189	160830	01	1	644.75		M	M	M	0.	0.	0.	160801		40137606004	Calculated	405132750
03232	282	04189	161114	01	1	650.19		M	M	M	0.	0.	0.	161101		40142064004	Calculated	405132750
03232	282	04189	170208	01	1	653.06		M	M	M	0.	0.	0.	170201		40145548003	Calculated	405132750
03232	282	04189	170515	01	1	652.93		M	M	M	0.	0.	0.	170501		40150143006	Calculated	405132750
03232	282	04189	170821	01	1	651.33		M	M	M	0.	0.	0.	170801		40155549008	Calculated	405132750
03232	282	04189	171114	01	1	651.97		M	M	M	0.	0.	0.	171101		40161125003	calculated	241329000
03232	282	04189	180516	01	1	654.67		M	M	M	0.	0.	0.	180501		AE27554	Calculated	241329000
03232	282	04189	180907	01	1	651.79		M	M	M	0.	0.	0.	180901		AE30278	calculated	241329000
03232	282	04189	181114	01	1	654.61		M	M	M	0.	0.	0.	181101		AE31849	calculated	241329000

03232	282	04189	190305	01	1	655.53		M	M	M	0.	0.	0.	190301		AE34023	calculated	241329000
03232	282	04189	190508	01	1	655.88		M	M	M	0.	0.	0.	190501		AE37960	calculated	241329000
03232	282	04189	191002	01	1	653.6		M	M	M	0.	0.	0.	191001		AE40913	calculated	241329000
03232	282	04189	191104	01	1	655.74		M	M	M	0.	0.	0.	191101		AE41842	calculated	241329000
03232	282	04189	200505	01	1	656.06		M	M	M	0.	0.	0.	200501		AE45609	calculated	241329000
03232	282	04189	200831	01	1	654.23		M	M	M	0.	0.	0.	200801		AE48108	calculated	241329000
03232	282	04189	201109	01	1	654.25		M	M	M	0.	0.	0.	201101		AE49634	calculated	241329000
03232	282	04189	210511	01	1	654.66		M	M	M	0.	0.	0.	210501		AE53142	calculated	241329000
03232	282	04189	211108	01	1	651.72		M	M	M	0.	0.	0.	211101		AE57086	calculated	241329000
03232	282	04189	220504	01	1	655.02		M	M	M	0.	0.	0.	220501		AE60494	calculated	241329000
03232	282	04189	221107	01	1	652.92		M	M	M	0.	0.	0.	221101		AE63529	calculated	241329000
03232	282	04189	230608	01	1	653.11		M	M	M	0.	0.	0.	230601		AE67098	calculated	241329000
03232	282	04189	230713	01	1	651.37		M	M	M	0.	0.	0.	230701		AE67713	calculated	241329000
03232	282	04189	230814	01	1	651		M	M	M	0.	0.	0.	230801		AE68267	calculated	241329000
03232	282	04189	230927	01	1	651.19		M	M	M	0.	0.	0.	230901		40268803002	calculated	241329000
03232	282	11503	151111	01	1	1.33		M	M	M	1.59	5.2995	5.2995	151101	160310	40124666005	Total Radium Cal	241329000
03232	282	11503	160216	01	1	0.238		M	M	M	0.	0.	0.	160201	160310	40128456004	Total Radium Cal	241329000
03232	282	11503	160511	01	1	0		M	M	M	1.67	5.5661	5.5661	160501	160511	40132272003	Total Radium Cal	241329000
03232	282	11503	160830	01	1	0.387		M	M	M	0.	0.	0.	160801	160926	40137606004	Total Radium Cal	241329000
03232	282	11503	161114	01	1	0.154		M	M	M	0.	0.	0.	161101	161206	40142064004	Total Radium Cal	241329000
03232	282	11503	170208	01	1	1.17		M	M	M	0.	0.	0.	170201	170303	40145548003	Total Radium Cal	241329000
03232	282	11503	170515	01	1	1.06		M	M	M	1.48	4.9328	4.9328	170501	170613	40150143006	Total Radium Cal	241329000
03232	282	11503	170822	01	1	0.438		M	M	M	1.5	4.9995	4.9995	170801	170918	40155549008	Total Radium Cal	405132750
03232	282	70300	151111	01	1	202		M	M	M	8.7	28.9971	28.9971	151101	151117	40124666005	SM 2540C	241329000
03232	282	70300	160216	01	1	198		M	M	M	8.7	28.9971	28.9971	160201	160223	40128456004	SM 2540C	241329000
03232	282	70300	160511	01	1	194		M	M	M	8.7	28.9971	28.9971	160501	160518	40132272003	SM 2540C	241329000
03232	282	70300	160830	01	1	206		M	M	M	8.7	28.9971	28.9971	160801	160901	40137606004	SM 2540C	241329000
03232	282	70300	161114	01	1	206		M	M	M	8.7	28.9971	28.9971	161101	161117	40142064004	SM 2540C	241329000
03232	282	70300	170208	01	1	192		M	M	M	8.7	28.9971	28.9971	170201	170215	40145548003	SM 2540C	241329000
03232	282	70300	170515	01	1	200		M	M	M	8.7	28.9971	28.9971	170501	170522	40150143006	SM 2540C	241329000
03232	282	70300	170822	01	1	208		M	M	M	8.7	20.	20.	170801	170828	40155549008	SM 2540C	405132750
03232	282	70300	171114	01	1	170		M	M	M	8.7	20.	20.	171101	171120	40161125003	SM 2540C	241329000
03232	282	70300	180516	01	1	180		M	M	M	20.	66.66	66.66	180501	180518	AE27554	Std Mtd 2540 C	241329000
03232	282	70300	181114	01	1	160		M	M	M	20.	66.66	66.66	181101	181121	AE31849	Std Mtd 2540 C	241329000
03232	282	70300	190508	01	1	190		M	M	M	20.	66.66	66.66	190501	190514	AE37960	Std Mtd 2540 C	241329000
03232	282	70300	191104	01	1	150		M	M	M	20.	66.66	66.66	191101	191108	AE41842	Std Mtd 2540 C	241329000
03232	282	70300	200505	01	1	160		M	M	M	20.	66.66	66.66	200501	200507	AE45609	Std Mtd 2540 C	241329000
03232	282	70300	201109	01	1	82		M	M	M	20.	66.66	66.66	201101	201117	AE49634	Std Mtd 2540 C	241329000
03232	282	70300	210511	01	1	206		M	M	M	8.7	20.	20.	210501	210514	AE53142	Std Mtd 2540 C	405132750
03232	282	70300	211108	01	1	186		M	M	M	8.7	20.	20.	211101	211117	AE57086	Std Mtd 2540 C	405132750
03232	282	70300	220504	01	1	214		M	M	M	8.7	20.	20.	220501	220509	AE60494	Std Mtd 2540 C	405132750
03232	282	70300	221107	01	1	212		M	M	M	8.7	20.	20.	221101	221114	AE63529	Std Mtd 2540 C	405132750
03232	282	71900	151111	01	1		N	M	M	M	0.1	0.2	0.2	151101		40124666005	EPA 245.1	241329000
03232	282	71900	160216	01	1		N	M	M	M	0.1	0.2	0.2	160201		40128456004	EPA 245.1	241329000
03232	282	71900	160511	01	1		N	M	M	M	0.13	0.42	0.42	160501		40132272003	EPA 245.1	241329000
03232	282	71900	160830	01	1		N	M	M	M	0.13	0.42	0.42	160801		40137606004	EPA 245.1	241329000
03232	282	71900	161114	01	1		N	M	M	M	0.13	0.42	0.42	161101		40142064004	EPA 245.1	241329000
03232	282	71900	170208	01	1		N	M	M	M	0.13	0.42	0.42	170201		40145548003	EPA 245.1	241329000
03232	282	71900	170515	01	1		N	M	M	M	0.13	0.42	0.42	170501		40150143006	EPA 245.1	241329000
03232	282	71900	170822	01	1		N	M	M	M	0.13	0.42	0.42	170801		40155549008	EPA 245.1	405132750
03232	284	00010	151111	01	1	10.6		M	M	M	0.1	0.1	0.1	151101	151111	40124666004	FIELD	241329000
03232	284	00010	160217	01	1	8		M	M	M	0.1	0.1	0.1	160201	160217	40128456007	FIELD	241329000
03232	284	00010	160511	01	1	10.1		M	M	M	0.1	0.1	0.1	160501	160511	40132272005	FIELD	241329000
03232	284	00010	160830	01	1	11.3		M	M	M	0.1	0.1	0.1	160801	160830	40137606005	FIELD	241329000
03232	284	00010	161114	01	1	10.2		M	M	M	0.1	0.1	0.1	161101	161114	40142064005	FIELD	241329000
03232	284	00010	170208	01	1	9.61		M	M	M	0.1	0.1	0.1	170201	170208	40145548005	FIELD	241329000
03232	284	00010	170515	01	1	10.89		M	M	M	0.1	0.1	0.1	170501	170515	40150143007	FIELD	241329000
03232	284	00010	170822	01	1	12.39		M	M	M	0.1	0.1	0.1	170801	170822	40155549009	FIELD	241329000
03232	284	00010	171114	01	1	10.14		M	M	M	0.1	0.1	0.1	171101	171114	40161125004	FIELD	241329000
03232	284	00010	180516	01	1	11.2		M	M	M	0.1	0.1	0.1	180501	180516	AE27553	TEMP	241329000
03232	284	00010	181115	01	1	10		M	M	M	0.1	0.1	0.1	181101	181115	AE31854	TEMP	241329000
03232	284	00010	190508	01	1	9.83		M	M	M	0.1	0.3333	0.3333	190501	190508	AE37959	TEMP	241329000

03232	284	00010	191105	01	1	10	M	M	M	0.1	0.3333	0.3333	191101	191105	AE41847	TEMP	241329000
03232	284	00010	200504	01	1	9.81	M	M	M	0.1	0.3333	0.3333	200501	200504	AE45607	TEMP	241329000
03232	284	00010	201110	01	1	10.92	M	M	M	0.1	0.3333	0.3333	201101	201110	AE49637	TEMP	241329000
03232	284	00010	210511	01	1	10.27	M	M	M	0.1	0.3333	0.3333	210501	210511	AE53143	TEMP	241329000
03232	284	00010	211109	01	1	12	M	M	M	0.1	0.3333	0.3333	211101	211109	AE57090	TEMP	241329000
03232	284	00010	220505	01	1	9.86	M	M	M	0.1	0.3333	0.3333	220501	220505	AE60497	TEMP	241329000
03232	284	00010	221107	01	1	10	M	M	M	0.1	0.3333	0.3333	221101	221107	AE63528	TEMP	241329000
03232	284	00010	230608	01	1	11	M	M	M	0.1	0.3333	0.3333	230601	230608	AE67099	TEMP	241329000
03232	284	00010	230814	01	1	12	M	M	M	0.1	0.3333	0.3333	230801	230814	AE68268	TEMP	241329000
03232	284	00010	230927	01	1	11.62	M	M	M	0.	0.	0.	230901	230927	40268803003	field	241329000
03232	284	00094	151111	01	1	382	M	M	M	0.	0.	0.	151101	151111	40124666004	FIELD	241329000
03232	284	00094	160217	01	1	376	M	M	M	0.	0.	0.	160201	160217	40128456007	FIELD	241329000
03232	284	00094	160511	01	1	383	M	M	M	0.	0.	0.	160501	160511	40132272005	FIELD	241329000
03232	284	00094	160830	01	1	317	M	M	M	0.	0.	0.	160801	160830	40137606005	FIELD	241329000
03232	284	00094	161114	01	1	358	M	M	M	0.	0.	0.	161101	161114	40142064005	FIELD	241329000
03232	284	00094	170208	01	1	330	M	M	M	0.	0.	0.	170201	170208	40145548005	FIELD	241329000
03232	284	00094	170515	01	1	388.4	M	M	M	0.	0.	0.	170501	170515	40150143007	FIELD	241329000
03232	284	00094	170822	01	1	349.1	M	M	M	0.	0.	0.	170801	170822	40155549009	FIELD	241329000
03232	284	00094	171114	01	1	386.3	M	M	M	0.	0.	0.	171101	171114	40161125004	FIELD	241329000
03232	284	00094	180516	01	1	350	M	M	M	0.	0.	0.	180501	180516	AE27553	FCOND25	241329000
03232	284	00094	181115	01	1	362	M	M	M	0.	0.	0.	181101	181115	AE31854	FCOND25	241329000
03232	284	00094	190508	01	1	365.7	M	M	M	0.	0.	0.	190501	190508	AE37959	FCOND25	241329000
03232	284	00094	191105	01	1	383	M	M	M	0.	0.	0.	191101	191105	AE41847	FCOND25	241329000
03232	284	00094	200504	01	1	342.8	M	M	M	0.	0.	0.	200501	200504	AE45607	FCOND25	241329000
03232	284	00094	201110	01	1	360.41	M	M	M	0.	0.	0.	201101	201110	AE49637	FCOND25	241329000
03232	284	00094	210511	01	1	346.57	M	M	M	0.	0.	0.	210501	210511	AE53143	FCOND25	241329000
03232	284	00094	211109	01	1	353	M	M	M	0.	0.	0.	211101	211109	AE57090	FCOND25	241329000
03232	284	00094	220505	01	1	408.09	M	M	M	0.	0.	0.	220501	220505	AE60497	FCOND25	241329000
03232	284	00094	221107	01	1	390	M	M	M	0.	0.	0.	221101	221107	AE63528	FCOND25	241329000
03232	284	00094	230608	01	1	345	M	M	M	0.	0.	0.	230601	230608	AE67099	FCOND25	241329000
03232	284	00094	230713	01	1	405	M	M	M	0.	0.	0.	230701	230713	AE67712	FCOND25	241329000
03232	284	00094	230814	01	1	344	M	M	M	0.	0.	0.	230801	230814	AE68268	FCOND25	241329000
03232	284	00094	230927	01	1	344	M	M	M	0.	0.	0.	230901	230927	40268803003	field	241329000
03232	284	00400	151111	01	1	8.2	M	M	M	0.1	0.1	0.1	151101	151111	40124666004	FIELD	241329000
03232	284	00400	160217	01	1	8.1	M	M	M	0.1	0.1	0.1	160201	160217	40128456007	FIELD	241329000
03232	284	00400	160511	01	1	7.9	M	M	M	0.1	0.1	0.1	160501	160511	40132272005	FIELD	241329000
03232	284	00400	160830	01	1	8.1	M	M	M	0.1	0.1	0.1	160801	160830	40137606005	FIELD	241329000
03232	284	00400	161114	01	1	8	M	M	M	0.1	0.1	0.1	161101	161114	40142064005	FIELD	241329000
03232	284	00400	170208	01	1	8.36	M	M	M	0.1	0.1	0.1	170201	170208	40145548005	FIELD	241329000
03232	284	00400	170515	01	1	7.98	M	M	M	0.1	0.1	0.1	170501	170515	40150143007	FIELD	241329000
03232	284	00400	170822	01	1	7.87	M	M	M	0.1	0.1	0.1	170801	170822	40155549009	FIELD	241329000
03232	284	00400	171114	01	1	8.07	M	M	M	0.1	0.1	0.1	171101	171114	40161125004	FIELD	241329000
03232	284	00400	180516	01	1	7.6	M	M	M	0.1	0.1	0.1	180501	180516	AE27553	FieldPH	241329000
03232	284	00400	181115	01	1	8	M	M	M	0.1	0.1	0.1	181101	181115	AE31854	FieldPH	241329000
03232	284	00400	190508	01	1	8.07	M	M	M	0.1	0.1	0.1	190501	190508	AE37959	FieldPH	241329000
03232	284	00400	191105	01	1	8	M	M	M	0.1	0.1	0.1	191101	191105	AE41847	FieldPH	241329000
03232	284	00400	200504	01	1	7.8	M	M	M	0.1	0.1	0.1	200501	200504	AE45607	FieldPH	241329000
03232	284	00400	201110	01	1	7.85	M	M	M	0.1	0.1	0.1	201101	201110	AE49637	FieldPH	241329000
03232	284	00400	210511	01	1	8.1	M	M	M	0.1	0.1	0.1	210501	210511	AE53143	FieldPH	241329000
03232	284	00400	211109	01	1	8	M	M	M	0.1	0.1	0.1	211101	211109	AE57090	FieldPH	241329000
03232	284	00400	220505	01	1	7.92	M	M	M	0.1	0.1	0.1	220501	220505	AE60497	FieldPH	241329000
03232	284	00400	221107	01	1	7.7	M	M	M	0.1	0.1	0.1	221101	221107	AE63528	FieldPH	241329000
03232	284	00400	230608	01	1	7.8	M	M	M	0.1	0.1	0.1	230601	230608	AE67099	FieldPH	241329000
03232	284	00400	230713	01	1	7.7	M	M	M	0.1	0.1	0.1	230701	230713	AE67712	FieldPH	241329000
03232	284	00400	230814	01	1	8.6	M	M	M	0.1	0.1	0.1	230801	230814	AE68268	FieldPH	241329000
03232	284	00400	230927	01	1	7.91	M	M	M	0.	0.	0.	230901	230927	40268803003	field	241329000
03232	284	00410	170515	01	1	133	M	M	M	5.	10.	10.	170501	170523	40150143007	SM 2320B	241329000
03232	284	00410	170822	01	1	133	M	M	M	5.	10.	10.	170801	170829	40155549009	SM 2320B	405132750
03232	284	00410	191105	01	1	130	M	M	M	5.	17.	17.	191101	191114	AE41847	Std Mtd 2320B	241329000
03232	284	00410	201110	01	1	130	M	M	M	5.	17.	17.	201101	201119	AE49637	Std Mtd 2320B	241329000
03232	284	00410	211109	01	1	133	M	M	M	5.	10.	10.	211101	211119	AE57090	Std Mtd 2320B	405132750
03232	284	00410	221107	01	1	136	M	M	M	5.	10.	10.	221101	221116	AE63528	Std Mtd 2320B	405132750

03232	284	00630	221107	01	1		N	M	M	M	0.021	0.1	0.1	221101	221111	AE63528	EPA 353.2	405132750
03232	284	00630	230608	01	1	0.89		M	M	M	0.011	0.036	0.036	230601	230612	AE67099	EPA 353.2	405132750
03232	284	00630	230713	01	1	1.4		M	M	M	0.011	0.036	0.036	230701	230717	AE67712	EPA 353.2	405132750
03232	284	00630	230814	01	1	1.36		M	M	M	0.011	0.036	0.036	230801	230816	AE68268	EPA 353.2	405132750
03232	284	00900	221107	01	1	82.9		M	M	M	1.	5.4	5.4	221101	221117	AE63528	Std Mtd 2340B	405132750
03232	284	00900	230608	01	1	83.4		M	M	M	1.	3.333	3.333	230601	230620	AE67099	Std Mtd 2340B	241329000
03232	284	00900	230713	01	1	88.3		M	M	M	1.	5.4	5.4	230701	230721	AE67712	Std Mtd 2340B	241329000
03232	284	00900	230814	01	1	82.9		M	M	M	1.	5.4	5.4	230801	230818	AE68268	Std Mtd 2340B	241329000
03232	284	00916	151111	01	1	22.7		M	M	M	0.0235	1.	1.	151101	151117	40124666004	EPA 200.7	241329000
03232	284	00916	160217	01	1	23.3		M	M	M	0.0235	1.	1.	160201	160310	40128456007	EPA 200.7	241329000
03232	284	00916	160511	01	1	21.6		M	M	M	0.0235	1.	1.	160501	160518	40132272005	EPA 200.7	241329000
03232	284	00916	160830	01	1	21.8		M	M	M	0.0235	1.	1.	160801	160902	40137606005	EPA 200.7	241329000
03232	284	00916	161114	01	1	21.6		M	M	M	0.0977	0.5	0.5	161101	161122	40142064005	EPA 200.7	241329000
03232	284	00916	170208	01	1	20.5		M	M	M	0.0977	0.5	0.5	170201	170214	40145548005	EPA 200.7	241329000
03232	284	00916	170515	01	1	20.3		M	M	M	0.0977	0.5	0.5	170501	170523	40150143007	EPA 200.7	241329000
03232	284	00916	170822	01	1	20.7		M	M	M	0.0977	0.5	0.5	170801	170830	40155549009	EPA 200.7	405132750
03232	284	00916	171114	01	1	20.4		M	M	M	0.0977	0.5	0.5	171101	171201	40161125004	EPA 200.7	241329000
03232	284	00916	180516	01	1	21		M	M	M	0.017	0.058	0.058	180501	180518	AE27553	EPA 200.7	241329000
03232	284	00916	181115	01	1	21		M	M	M	0.017	0.058	0.058	181101	181128	AE31854	EPA 200.7	241329000
03232	284	00916	190508	01	1	21		M	M	M	0.017	0.058	0.058	190501	190514	AE37959	EPA 200.7	241329000
03232	284	00916	191105	01	1	20		M	M	M	0.027	0.089	0.089	191101	191120	AE41847	EPA 200.7	241329000
03232	284	00916	200504	01	1	21.3		M	M	M	0.114	0.5	0.5	200501	200519	AE45607	EPA 200.7	241329000
03232	284	00916	201110	01	1	21.6		M	M	M	0.114	0.5	0.5	201101	201117	AE49637	EPA 200.7	405132750
03232	284	00916	210511	01	1	21.4		M	M	M	0.114	0.5	0.5	210501		AE53143	EPA 200.7	405132750
03232	284	00916	211109	01	1	20.9		M	M	M	0.114	0.5	0.5	211101		AE57090	EPA 200.7	405132750
03232	284	00916	220505	01	1	22.9		M	M	M	0.0762	0.254	0.254	220501		AE60497	EPA 200.7	405132750
03232	284	00916	221107	01	1	20.2		M	M	M	0.114	0.5	0.5	221101	221117	AE63528	EPA 200.7	405132750
03232	284	00916	230608	01	1	20.3		M	M	M	0.55	1.9	1.9	230601	230620	AE67099	EPA 200.7	241329000
03232	284	00916	230713	01	1	21.5		M	M	M	0.11	0.5	0.5	230701	230721	AE67712	EPA 200.7	241329000
03232	284	00916	230814	01	1	20.3		M	M	M	0.114	0.5	0.5	230801	230818	AE68268	EPA 200.7	241329000
03232	284	00940	151111	01	1	4.7		M	M	M	2.	4.	4.	151101	151128	40124666004	EPA 300.0	241329000
03232	284	00940	160217	01	1	6.3		M	M	M	2.	4.	4.	160201	160229	40128456007	EPA 300.0	241329000
03232	284	00940	160511	01	1	6.5		M	M	M	2.	4.	4.	160501	160525	40132272005	EPA 300.0	241329000
03232	284	00940	160830	01	1	4.7		M	M	M	2.	4.	4.	160801	160909	40137606005	EPA 300.0	241329000
03232	284	00940	161114	01	1	4.4		M	M	M	0.5	2.	2.	161101	161206	40142064005	EPA 300.0	241329000
03232	284	00940	170208	01	1	4.3		M	M	M	0.5	2.	2.	170201	170223	40145548005	EPA 300.0	241329000
03232	284	00940	170515	01	1	4.2		M	M	M	0.5	2.	2.	170501	170608	40150143007	EPA 300.0	241329000
03232	284	00940	170822	01	1	4.2		M	M	M	0.5	2.	2.	170801	170905	40155549009	EPA 300.0	405132750
03232	284	00940	171114	01	1	4.3		M	M	M	0.5	2.	2.	171101	171214	40161125004	EPA 300.0	241329000
03232	284	00940	180516	01	1	3.5		M	M	M	0.43	1.4	1.4	180501	180521	AE27553	EPA 300.0	241329000
03232	284	00940	181115	01	1	3.5		M	M	M	0.21	0.7	0.7	181101	181126	AE31854	EPA 300.0	241329000
03232	284	00940	190508	01	1	4		M	M	M	0.1	0.34	0.34	190501	190522	AE37959	EPA 300.0	241329000
03232	284	00940	191105	01	1	3.7		M	M	M	0.18	0.6	0.6	191101	191113	AE41847	EPA 300.0	241329000
03232	284	00940	200504	01	1	3.8		M	M	M	0.002	0.006	0.006	200501	200513	AE45607	EPA 300.0	241329000
03232	284	00940	201110	01	1	4		M	M	M	0.046	0.154	0.154	201101	201123	AE49637	EPA 300.0	241329000
03232	284	00940	210511	01	1	4		M	M	M	0.43	2.	2.	210501	210602	AE53143	EPA 300.0	405132750
03232	284	00940	211109	01	1	4		M	M	M	0.43	2.	2.	211101	211206	AE57090	EPA 300.0	405132750
03232	284	00940	220505	01	1	7.1	J	M	M	M	2.2	10.	10.	220501	220518	AE60497	EPA 300.0	405132750
03232	284	00940	221107	01	1	3.9		M	M	M	0.43	2.	2.	221101	221111	AE63528	EPA 300.0	405132750
03232	284	00945	151111	01	1	38.8		M	M	M	2.	4.	4.	151101	151128	40124666004	EPA 300.0	241329000
03232	284	00945	160217	01	1	43		M	M	M	2.	4.	4.	160201	160229	40128456007	EPA 300.0	241329000
03232	284	00945	160511	01	1	46		M	M	M	2.	4.	4.	160501	160525	40132272005	EPA 300.0	241329000
03232	284	00945	160830	01	1	41.6		M	M	M	2.	4.	4.	160801	160909	40137606005	EPA 300.0	241329000
03232	284	00945	161114	01	1	44		M	M	M	1.	3.	3.	161101	161206	40142064005	EPA 300.0	241329000
03232	284	00945	170208	01	1	41.7		M	M	M	5.	15.	15.	170201	170227	40145548005	EPA 300.0	241329000
03232	284	00945	170515	01	1	43		M	M	M	1.	3.	3.	170501	170608	40150143007	EPA 300.0	241329000
03232	284	00945	170822	01	1	40.8		M	M	M	1.	3.	3.	170801	170905	40155549009	EPA 300.0	405132750
03232	284	00945	171114	01	1	44.5		M	M	M	1.	3.	3.	171101	171214	40161125004	EPA 300.0	241329000
03232	284	00945	180516	01	1	41		M	M	M	0.14	0.47	0.47	180501	180521	AE27553	EPA 300.0	241329000
03232	284	00945	181115	01	1	43		M	M	M	0.11	0.37	0.37	181101	181126	AE31854	EPA 300.0	241329000
03232	284	00945	190508	01	1	46		M	M	M	0.16	0.55	0.55	190501	190522	AE37959	EPA 300.0	241329000
03232	284	00945	191105	01	1	40		M	M	M	0.14	0.48	0.48	191101	191113	AE41847	EPA 300.0	241329000

03232	284	00945	200504	01	1	41		M	M	M	0.031	0.04	0.04	200501	200513	AE45607	EPA 300.0	241329000
03232	284	00945	201110	01	1	44		M	M	M	0.154	0.514	0.514	201101	201123	AE49637	EPA 300.0	241329000
03232	284	00945	210511	01	1	41.1		M	M	M	0.44	2.	2.	210501	210602	AE53143	EPA 300.0	405132750
03232	284	00945	211109	01	1	40.6		M	M	M	0.44	2.	2.	211101	211206	AE57090	EPA 300.0	405132750
03232	284	00945	220505	01	1	43.9		M	M	M	2.2	10.	10.	220501	220518	AE60497	EPA 300.0	405132750
03232	284	00945	221107	01	1	42.2		M	M	M	0.44	2.	2.	221101	221111	AE63528	EPA 300.0	405132750
03232	284	00951	151111	01	1	1.2		M	M	M	0.2	0.4	0.4	151101	151128	40124666004	EPA 300.0	241329000
03232	284	00951	160217	01	1	1.2		M	M	M	0.2	0.4	0.4	160201	160229	40128456007	EPA 300.0	241329000
03232	284	00951	160511	01	1	1.3		M	M	M	0.2	0.4	0.4	160501	160525	40132272005	EPA 300.0	241329000
03232	284	00951	160830	01	1	1.3		M	M	M	0.2	0.4	0.4	160801	160909	40137606005	EPA 300.0	241329000
03232	284	00951	161114	01	1	1.4		M	M	M	0.1	0.3	0.3	161101	161206	40142064005	EPA 300.0	241329000
03232	284	00951	170208	01	1	1.3		M	M	M	0.1	0.3	0.3	170201	170223	40145548005	EPA 300.0	241329000
03232	284	00951	170515	01	1	1.4		M	M	M	0.1	0.3	0.3	170501	170608	40150143007	EPA 300.0	241329000
03232	284	00951	170822	01	1	1.3		M	M	M	0.1	0.3	0.3	170801	170905	40155549009	EPA 300.0	405132750
03232	284	00951	171114	01	1	1.4		M	M	M	0.1	0.3	0.3	171101	171214	40161125004	EPA 300.0	241329000
03232	284	00951	180516	01	1	1.2		M	M	M	0.05	0.17	0.17	180501	180521	AE27553	EPA 300.0	241329000
03232	284	00951	181115	01	1	1.2		M	M	M	0.04	0.13	0.13	181101	181126	AE31854	EPA 300.0	241329000
03232	284	00951	190508	01	1	1.2		M	M	M	0.06	0.19	0.19	190501	190522	AE37959	EPA 300.0	241329000
03232	284	00951	191105	01	1	1.2		M	M	M	0.07	0.22	0.22	191101	191125	AE41847	EPA 300.0	241329000
03232	284	00951	200504	01	1	1.3		M	M	M	0.007	0.023	0.023	200501	200513	AE45607	EPA 300.0	241329000
03232	284	00951	201110	01	1	1.5		M	M	M	0.008	0.026	0.026	201101	201119	AE49637	EPA 300.0	241329000
03232	284	00951	210511	01	1	1.3		M	M	M	0.095	0.32	0.32	210501	210602	AE53143	EPA 300.0	405132750
03232	284	00951	211109	01	1	1.3		M	M	M	0.095	0.32	0.32	211101	211206	AE57090	EPA 300.0	405132750
03232	284	00951	220505	01	1	1.6		M	M	M	0.48	1.6	1.6	220501	220518	AE60497	EPA 300.0	405132750
03232	284	00951	221107	01	1	1.3		M	M	M	0.095	0.32	0.32	221101	221111	AE63528	EPA 300.0	405132750
03232	284	01002	151111	01	1	0.96		M	M	M	0.11	0.38	0.38	151101		40124666004	EPA 200.8	241329000
03232	284	01002	160217	01	1	1.2		M	M	M	0.099	1.	1.	160201	160229	40128456007	EPA 200.8	241329000
03232	284	01002	160511	01	1	0.9	J	M	M	M	0.099	1.	1.	160501		40132272005	EPA 200.8	241329000
03232	284	01002	160830	01	1	0.62	J	M	M	M	0.099	1.	1.	160801		40137606005	EPA 200.8	241329000
03232	284	01002	161114	01	1	0.58	J	M	M	M	0.099	1.	1.	161101		40142064005	EPA 200.8	241329000
03232	284	01002	170208	01	1	0.58	J	M	M	M	0.099	1.	1.	170201		40145548005	EPA 200.8	241329000
03232	284	01002	170515	01	1	0.61	J	M	M	M	0.099	1.	1.	170501		40150143007	EPA 200.8	241329000
03232	284	01002	170822	01	1	0.47	J	M	M	M	0.28	1.	1.	170801		40155549009	EPA 200.8	405132750
03232	284	01007	151111	01	1	34.1		M	M	M	1.7	5.	5.	151101		40124666004	EPA 200.7	241329000
03232	284	01007	160217	01	1	31		M	M	M	1.7	5.	5.	160201		40128456007	EPA 200.7	241329000
03232	284	01007	160511	01	1	29.2		M	M	M	1.7	5.	5.	160501		40132272005	EPA 200.7	241329000
03232	284	01007	160830	01	1	29.5		M	M	M	1.7	5.	5.	160801		40137606005	EPA 200.7	241329000
03232	284	01007	161114	01	1	28.6		M	M	M	1.5	5.	5.	161101		40142064005	EPA 200.7	241329000
03232	284	01007	170208	01	1	27.6		M	M	M	1.5	5.	5.	170201		40145548005	EPA 200.7	241329000
03232	284	01007	170515	01	1	29.4		M	M	M	1.5	5.	5.	170501		40150143007	EPA 200.7	241329000
03232	284	01007	170822	01	1	31.6		M	M	M	1.5	5.	5.	170801		40155549009	EPA 200.7	405132750
03232	284	01012	151111	01	1		N	M	M	M	0.68	4.	4.	151101		40124666004	EPA 200.7	241329000
03232	284	01012	160217	01	1		N	M	M	M	0.68	4.	4.	160201		40128456007	EPA 200.7	241329000
03232	284	01012	160511	01	1		N	M	M	M	0.68	4.	4.	160501		40132272005	EPA 200.7	241329000
03232	284	01012	160830	01	1		N	M	M	M	0.68	4.	4.	160801		40137606005	EPA 200.7	241329000
03232	284	01012	161114	01	1		N	M	M	M	1.2	4.	4.	161101		40142064005	EPA 200.7	241329000
03232	284	01012	170208	01	1		N	M	M	M	1.2	4.	4.	170201		40145548005	EPA 200.7	241329000
03232	284	01012	170515	01	1		N	M	M	M	1.2	4.	4.	170501		40150143007	EPA 200.7	241329000
03232	284	01012	170822	01	1		N	M	M	M	1.2	4.	4.	170801		40155549009	EPA 200.7	405132750
03232	284	01022	151111	01	1	0.398		M	M	M	0.0028	0.019	0.019	151101	151117	40124666004	EPA 200.7	241329000
03232	284	01022	160217	01	1	0.445		M	M	M	0.0028	0.019	0.019	160201	160310	40128456007	EPA 200.7	241329000
03232	284	01022	160511	01	1	0.428		M	M	M	0.0028	0.019	0.019	160501	160518	40132272005	EPA 200.7	241329000
03232	284	01022	160830	01	1	0.388		M	M	M	0.0028	0.019	0.019	160801	160902	40137606005	EPA 200.7	241329000
03232	284	01022	161114	01	1	0.417		M	M	M	0.0067	0.04	0.04	161101	161122	40142064005	EPA 200.7	241329000
03232	284	01022	170208	01	1	0.39		M	M	M	0.0067	0.04	0.04	170201	170214	40145548005	EPA 200.7	241329000
03232	284	01022	170515	01	1	0.41		M	M	M	0.0067	0.04	0.04	170501	170523	40150143007	EPA 200.7	241329000
03232	284	01022	170822	01	1	0.42		M	M	M	0.0067	0.04	0.04	170801	170830	40155549009	EPA 200.7	405132750
03232	284	01022	171114	01	1	0.417		M	M	M	0.0067	0.04	0.04	171101	171201	40161125004	EPA 200.7	241329000
03232	284	01022	180516	01	1	0.43		M	M	M	0.0023	0.0075	0.0075	180501	180518	AE27553	EPA 200.7	241329000
03232	284	01022	181115	01	1	0.44		M	M	M	0.0023	0.0075	0.0075	181101	181128	AE31854	EPA 200.7	241329000
03232	284	01022	190508	01	1	0.44		M	M	M	0.0023	0.0075	0.0075	190501	190514	AE37959	EPA 200.7	241329000
03232	284	01022	191105	01	1	0.41		M	M	M	0.0045	0.015	0.015	191101		AE41847	EPA 200.7	241329000

03232	284	01022	200504	01	1	0.441		M	M	M	0.0173	0.0577	0.0577	200501	200519	AE45607	EPA 200.7	241329000
03232	284	01022	201110	01	1	0.444		M	M	M	0.0173	0.04	0.04	201101	201117	AE49637	EPA 200.7	405132750
03232	284	01022	210511	01	1	0.44		M	M	M	0.0173	0.04	0.04	210501	210519	AE53143	EPA 200.7	405132750
03232	284	01022	211109	01	1	0.429		M	M	M	0.0173	0.04	0.04	211101	211116	AE57090	EPA 200.7	405132750
03232	284	01022	220505	01	1	0.412		M	M	M	0.003	0.01	0.01	220501		AE60497	EPA 200.7	405132750
03232	284	01022	221107	01	1	0.443		M	M	M	0.0173	0.04	0.04	221101	221117	AE63528	EPA 200.7	405132750
03232	284	01027	151111	01	1		N	M	M	M	1.	5.	5.	151101		40124666004	EPA 200.7	241329000
03232	284	01027	160217	01	1		N	M	M	M	1.	5.	5.	160201		40128456007	EPA 200.7	241329000
03232	284	01027	160511	01	1		N	M	M	M	1.	5.	5.	160501		40132272005	EPA 200.7	241329000
03232	284	01027	160830	01	1		N	M	M	M	1.	5.	5.	160801		40137606005	EPA 200.7	241329000
03232	284	01027	161114	01	1		N	M	M	M	1.3	5.	5.	161101		40142064005	EPA 200.7	241329000
03232	284	01027	170208	01	1		N	M	M	M	1.3	5.	5.	170201	170223	40145548005	EPA 200.7	241329000
03232	284	01027	170515	01	1		N	M	M	M	1.3	5.	5.	170501		40150143007	EPA 200.7	241329000
03232	284	01027	170822	01	1		N	M	M	M	1.3	5.	5.	170801	170905	40155549009	EPA 200.7	405132750
03232	284	01034	151111	01	1	2	J	M	M	M	1.5	5.	5.	151101		40124666004	EPA 200.7	241329000
03232	284	01034	160217	01	1	2.1	J	M	M	M	1.5	5.	5.	160201		40128456007	EPA 200.7	241329000
03232	284	01034	160511	01	1		N	M	M	M	1.5	5.	5.	160501		40132272005	EPA 200.7	241329000
03232	284	01034	160830	01	1		N	M	M	M	1.5	5.	5.	160801		40137606005	EPA 200.7	241329000
03232	284	01034	161114	01	1		N	M	M	M	2.5	10.	10.	161101		40142064005	EPA 200.7	241329000
03232	284	01034	170208	01	1		N	M	M	M	2.5	10.	10.	170201		40145548005	EPA 200.7	241329000
03232	284	01034	170515	01	1		N	M	M	M	2.5	10.	10.	170501		40150143007	EPA 200.7	241329000
03232	284	01034	170822	01	1		N	M	M	M	2.5	10.	10.	170801		40155549009	EPA 200.7	405132750
03232	284	01037	151111	01	1		N	M	M	M	1.3	5.	5.	151101		40124666004	EPA 200.7	241329000
03232	284	01037	160217	01	1		N	M	M	M	1.3	5.	5.	160201		40128456007	EPA 200.7	241329000
03232	284	01037	160511	01	1		N	M	M	M	1.3	5.	5.	160501	160525	40132272005	EPA 200.7	241329000
03232	284	01037	160830	01	1		N	M	M	M	1.3	5.	5.	160801	160909	40137606005	EPA 200.7	241329000
03232	284	01037	161114	01	1		N	M	M	M	1.4	5.	5.	161101	161206	40142064005	EPA 200.7	241329000
03232	284	01037	170208	01	1		N	M	M	M	1.4	5.	5.	170201		40145548005	EPA 200.7	241329000
03232	284	01037	170515	01	1		N	M	M	M	1.4	5.	5.	170501	170608	40150143007	EPA 200.7	241329000
03232	284	01037	170822	01	1		N	M	M	M	1.4	5.	5.	170801	170830	40155549009	EPA 200.7	405132750
03232	284	01042	221107	01	1		N	M	M	M	3.4	10.	10.	221101	221117	AE63528	EPA 200.7	405132750
03232	284	01042	230608	01	1		N	M	M	M	4.	10.	10.	230601	230619	AE67099	EPA 200.7	241329000
03232	284	01042	230713	01	1		N	M	M	M	3.4	10.	10.	230701	230721	AE67712	EPA 200.7	241329000
03232	284	01042	230814	01	1		N	M	M	M	3.4	10.	10.	230801	230818	AE68268	EPA 200.7	241329000
03232	284	01051	151111	01	1	0.22		M	M	M	0.033	0.11	0.11	151101		40124666004	EPA 200.8	241329000
03232	284	01051	160217	01	1	0.23	J	M	M	M	0.04	1.	1.	160201		40128456007	EPA 200.8	241329000
03232	284	01051	160511	01	1	0.052	J	M	M	M	0.04	1.	1.	160501		40132272005	EPA 200.8	241329000
03232	284	01051	160830	01	1		N	M	M	M	0.04	1.	1.	160801		40137606005	EPA 200.8	241329000
03232	284	01051	161114	01	1		N	M	M	M	0.04	1.	1.	161101		40142064005	EPA 200.8	241329000
03232	284	01051	170208	01	1	0.2	J	M	M	M	0.04	1.	1.	170201		40145548005	EPA 200.8	241329000
03232	284	01051	170515	01	1	0.083	J	M	M	M	0.04	1.	1.	170501		40150143007	EPA 200.8	241329000
03232	284	01051	170822	01	1		N	M	M	M	0.2	1.	1.	170801		40155549009	EPA 200.8	405132750
03232	284	01055	230608	01	1	20		M	M	M	4.	10.	10.	230601	230620	AE67099	EPA 200.7	241329000
03232	284	01055	230713	01	1	20		M	M	M	1.5	5.	5.	230701	230721	AE67712	EPA 200.7	241329000
03232	284	01055	230814	01	1	18.7		M	M	M	1.5	5.	5.	230801	230818	AE68268	EPA 200.7	241329000
03232	284	01055	230927	01	1	18.5		M	M	M	1.5	5.	5.	230901	231003	40268803003	EPA 200.7	405132750
03232	284	01059	151111	01	1		N	M	M	M	0.018	0.06	0.06	151101		40124666004	EPA 200.8	241329000
03232	284	01059	160217	01	1		N	M	M	M	0.14	1.	1.	160201		40128456007	EPA 200.8	241329000
03232	284	01059	160511	01	1		N	M	M	M	0.14	1.	1.	160501		40132272005	EPA 200.8	241329000
03232	284	01059	160830	01	1		N	M	M	M	0.14	1.	1.	160801		40137606005	EPA 200.8	241329000
03232	284	01059	161114	01	1		N	M	M	M	0.14	1.	1.	161101		40142064005	EPA 200.8	241329000
03232	284	01059	170208	01	1	0.25	J	M	M	M	0.14	1.	1.	170201		40145548005	EPA 200.8	241329000
03232	284	01059	170515	01	1		N	M	M	M	0.14	1.	1.	170501	170515	40150143007	EPA 200.8	241329000
03232	284	01059	170822	01	1		N	M	M	M	0.14	1.	1.	170801		40155549009	EPA 200.8	405132750
03232	284	01062	151111	01	1	36.7		M	M	M	2.5	20.	20.	151101		40124666004	EPA 200.7	241329000
03232	284	01062	160217	01	1	42.8		M	M	M	2.5	20.	20.	160201		40128456007	EPA 200.7	241329000
03232	284	01062	160511	01	1	40.3		M	M	M	2.5	20.	20.	160501		40132272005	EPA 200.7	241329000
03232	284	01062	160830	01	1	38.9		M	M	M	2.5	20.	20.	160801		40137606005	EPA 200.7	241329000
03232	284	01062	161114	01	1	41.9		M	M	M	1.4	10.	10.	161101		40142064005	EPA 200.7	241329000
03232	284	01062	170208	01	1	37		M	M	M	1.4	10.	10.	170201		40145548005	EPA 200.7	241329000
03232	284	01062	170515	01	1	40		M	M	M	1.4	10.	10.	170501		40150143007	EPA 200.7	241329000
03232	284	01062	170822	01	1	40		M	M	M	1.4	10.	10.	170801		40155549009	EPA 200.7	405132750

03232	284	01077	221107	01	1		N	M	M	M	3.2	10.	10.	221101	221117	AE63528	EPA 200.7	405132750
03232	284	01077	230608	01	1		N	M	M	M	20.	70.	70.	230601	230615	AE67099	EPA 200.7	241329000
03232	284	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67712	EPA 200.7	241329000
03232	284	01077	230814	01	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68268	EPA 200.7	241329000
03232	284	01092	221107	01	1		N	M	M	M	11.6	40.	40.	221101	221117	AE63528	EPA 200.7	405132750
03232	284	01092	230608	01	1		N	M	M	M	60.	200.	200.	230601	230619	AE67099	EPA 200.7	241329000
03232	284	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67712	EPA 200.7	241329000
03232	284	01092	230814	01	1		N	M	M	M	11.6	40.	40.	230801	230818	AE68268	EPA 200.7	241329000
03232	284	01097	151111	01	1	0.084	J	M	M	M	0.066	0.22	0.22	151101		40124666004	EPA 200.8	241329000
03232	284	01097	160217	01	1	0.36	J	M	M	M	0.073	1.	1.	160201		40128456007	EPA 200.8	241329000
03232	284	01097	160511	01	1	0.18	J	M	M	M	0.073	1.	1.	160501		40132272005	EPA 200.8	241329000
03232	284	01097	160830	01	1		N	M	M	M	0.073	1.	1.	160801		40137606005	EPA 200.8	241329000
03232	284	01097	161114	01	1		N	M	M	M	0.073	1.	1.	161101		40142064005	EPA 200.8	241329000
03232	284	01097	170208	01	1	0.26	J	M	M	M	0.073	1.	1.	170201		40145548005	EPA 200.8	241329000
03232	284	01097	170515	01	1		N	M	M	M	0.073	1.	1.	170501		40150143007	EPA 200.8	241329000
03232	284	01097	170822	01	1		N	M	M	M	0.15	1.	1.	170801		40155549009	EPA 200.8	405132750
03232	284	01132	151111	01	1	4.2		M	M	M	0.13	0.42	0.42	151101		40124666004	EPA 200.8	241329000
03232	284	01132	160217	01	1	4.6		M	M	M	0.11	1.	1.	160201		40128456007	EPA 200.8	241329000
03232	284	01132	160511	01	1	3.7		M	M	M	0.11	1.	1.	160501		40132272005	EPA 200.8	241329000
03232	284	01132	160830	01	1	4.2		M	M	M	0.11	1.	1.	160801		40137606005	EPA 200.8	241329000
03232	284	01132	161114	01	1	4.4		M	M	M	0.11	1.	1.	161101	161206	40142064005	EPA 200.8	241329000
03232	284	01132	170208	01	1	4.7		M	M	M	0.11	1.	1.	170201		40145548005	EPA 200.8	241329000
03232	284	01132	170515	01	1	4.9		M	M	M	0.11	1.	1.	170501		40150143007	EPA 200.8	241329000
03232	284	01132	170822	01	1	4.6		M	M	M	0.14	1.	1.	170801		40155549009	EPA 200.8	405132750
03232	284	01147	151111	01	1		N	M	M	M	0.16	0.53	0.53	151101		40124666004	EPA 200.8	241329000
03232	284	01147	160217	01	1		N	M	M	M	0.21	1.	1.	160201		40128456007	EPA 200.8	241329000
03232	284	01147	160511	01	1		N	M	M	M	0.21	1.	1.	160501		40132272005	EPA 200.8	241329000
03232	284	01147	160830	01	1		N	M	M	M	0.21	1.	1.	160801		40137606005	EPA 200.8	241329000
03232	284	01147	161114	01	1		N	M	M	M	0.21	1.	1.	161101		40142064005	EPA 200.8	241329000
03232	284	01147	170208	01	1		N	M	M	M	0.21	1.	1.	170201		40145548005	EPA 200.8	241329000
03232	284	01147	170515	01	1		N	M	M	M	0.21	1.	1.	170501		40150143007	EPA 200.8	241329000
03232	284	01147	170822	01	1		N	M	M	M	0.32	1.1	1.1	170801		40155549009	EPA 200.8	405132750
03232	284	04189	151111	01	1	646.38		M	M	M	0.	0.	0.	151101		40124666004	Calculated	405132750
03232	284	04189	160217	01	1	651.74		M	M	M	0.	0.	0.	160201		40128456007	Calculated	405132750
03232	284	04189	160511	01	1	650.95		M	M	M	0.	0.	0.	160501		40132272005	Calculated	405132750
03232	284	04189	160830	01	1	643.69		M	M	M	0.	0.	0.	160801		40137606005	Calculated	405132750
03232	284	04189	161114	01	1	649.41		M	M	M	0.	0.	0.	161101		40142064005	Calculated	405132750
03232	284	04189	170208	01	1	652.25		M	M	M	0.	0.	0.	170201		40145548005	Calculated	405132750
03232	284	04189	170515	01	1	651.9		M	M	M	0.	0.	0.	170501		40150143007	Calculated	405132750
03232	284	04189	170821	01	1	650.59		M	M	M	0.	0.	0.	170801		40155549010	Calculated	405132750
03232	284	04189	171114	01	1	651.24		M	M	M	0.	0.	0.	171101		40161125004	calculated	241329000
03232	284	04189	180516	01	1	653.97		M	M	M	0.	0.	0.	180501		AE27553	Calculated	241329000
03232	284	04189	181115	01	1	654.05		M	M	M	0.	0.	0.	181101		AE31854	calculated	241329000
03232	284	04189	190508	01	1	655.07		M	M	M	0.	0.	0.	190501		AE37959	calculated	241329000
03232	284	04189	191105	01	1	654.85		M	M	M	0.	0.	0.	191101		AE41847	calculated	241329000
03232	284	04189	200504	01	1	655.28		M	M	M	0.	0.	0.	200501		AE45607	calculated	241329000
03232	284	04189	201110	01	1	653.69		M	M	M	0.	0.	0.	201101		AE49637	calculated	241329000
03232	284	04189	210511	01	1	654.04		M	M	M	0.	0.	0.	210501		AE53143	calculated	241329000
03232	284	04189	211109	01	1	651.08		M	M	M	0.	0.	0.	211101		AE57090	calculated	241329000
03232	284	04189	220505	01	1	654.08		M	M	M	0.	0.	0.	220501		AE60497	calculated	241329000
03232	284	04189	221107	01	1	651.57		M	M	M	0.	0.	0.	221101		AE63528	calculated	241329000
03232	284	04189	230608	01	1	652.18		M	M	M	0.	0.	0.	230601		AE67099	calculated	241329000
03232	284	04189	230713	01	1	650.72		M	M	M	0.	0.	0.	230701		AE67712	calculated	241329000
03232	284	04189	230814	01	1	650.37		M	M	M	0.	0.	0.	230801		AE68268	calculated	241329000
03232	284	04189	230927	01	1	651.34		M	M	M	0.	0.	0.	230901		40268803003	calculated	241329000
03232	284	11503	151111	01	1	0.645		M	M	M	1.19	3.9663	3.9663	151101	160310	40124666004	Total Radium Calc	241329000
03232	284	11503	160217	01	1	0.654		M	M	M	0.	0.	0.	160201	160310	40128456007	Total Radium Calc	241329000
03232	284	11503	160511	01	1	0.138		M	M	M	1.63	5.4328	5.4328	160501	160610	40132272005	Total Radium Calc	241329000
03232	284	11503	160830	01	1	1.26		M	M	M	0.	0.	0.	160801	160926	40137606005	Total Radium Calc	241329000
03232	284	11503	161114	01	1	0.394		M	M	M	0.	0.	0.	161101	161206	40142064005	Total Radium Calc	241329000
03232	284	11503	170208	01	1	0.345		M	M	M	0.	0.	0.	170201	170303	40145548005	Total Radium Calc	241329000
03232	284	11503	170515	01	1	0.172		M	M	M	1.48	4.9328	4.9328	170501	170613	40150143007	Total Radium Calc	241329000

03232	284	11503	170822	01	1	0.397		M	M	M	1.6	5.3328	5.3328	170801	170918	40155549009	Total Radium Cal	405132750
03232	284	70300	151111	01	1	222		M	M	M	8.7	28.9971	28.9971	151101	151117	40124666004	SM 2540C	241329000
03232	284	70300	160217	01	1	190		M	M	M	8.7	28.9971	28.9971	160201	160223	40128456007	SM 2540C	241329000
03232	284	70300	160511	01	1	206		M	M	M	8.7	28.9971	28.9971	160501	160518	40132272005	SM 2540C	241329000
03232	284	70300	160830	01	1	232		M	M	M	8.7	28.9971	28.9971	160801	160906	40137606005	SM 2540C	241329000
03232	284	70300	161114	01	1	210		M	M	M	8.7	28.9971	28.9971	161101	161117	40142064005	SM 2540C	241329000
03232	284	70300	170208	01	1	192		M	M	M	8.7	28.9971	28.9971	170201	170215	40145548005	SM 2540C	241329000
03232	284	70300	170515	01	1	196		M	M	M	8.7	28.9971	28.9971	170501	170522	40150143007	SM 2540C	241329000
03232	284	70300	170822	01	1	222		M	M	M	8.7	20.	20.	170801	170828	40155549009	SM 2540C	405132750
03232	284	70300	171114	01	1	180		M	M	M	8.7	20.	20.	171101	171120	40161125004	SM 2540C	241329000
03232	284	70300	180516	01	1	180		M	M	M	20.	66.66	66.66	180501	180518	AE27553	Std Mtd 2540 C	241329000
03232	284	70300	181115	01	1	160		M	M	M	20.	66.66	66.66	181101	181121	AE31854	Std Mtd 2540 C	241329000
03232	284	70300	190508	01	1	190		M	M	M	20.	66.66	66.66	190501	190514	AE37959	Std Mtd 2540 C	241329000
03232	284	70300	191105	01	1	180		M	M	M	20.	66.66	66.66	191101	191108	AE41847	Std Mtd 2540 C	241329000
03232	284	70300	200504	01	1	190		M	M	M	20.	66.66	66.66	200501	200507	AE45607	Std Mtd 2540 C	241329000
03232	284	70300	201110	01	1	150		M	M	M	20.	66.66	66.66	201101	201117	AE49637	Std Mtd 2540 C	241329000
03232	284	70300	210511	01	1	204		M	M	M	8.7	20.	20.	210501	210514	AE53143	Std Mtd 2540 C	405132750
03232	284	70300	211109	01	1	212		M	M	M	8.7	20.	20.	211101	211116	AE57090	Std Mtd 2540 C	405132750
03232	284	70300	220505	01	1	180		M	M	M	8.7	20.	20.	220501	220511	AE60497	Std Mtd 2540 C	405132750
03232	284	70300	221107	01	1	218		M	M	M	8.7	20.	20.	221101	221114	AE63528	Std Mtd 2540 C	405132750
03232	284	71900	151111	01	1		N	M	M	M	0.1	0.2	0.2	151101		40124666004	EPA 245.1	241329000
03232	284	71900	160217	01	1		N	M	M	M	0.1	0.2	0.2	160201		40128456007	EPA 245.1	241329000
03232	284	71900	160511	01	1		N	M	M	M	0.13	0.42	0.42	160501		40132272005	EPA 245.1	241329000
03232	284	71900	160830	01	1		N	M	M	M	0.13	0.42	0.42	160801		40137606005	EPA 245.1	241329000
03232	284	71900	161114	01	1		N	M	M	M	0.13	0.42	0.42	161101		40142064005	EPA 245.1	241329000
03232	284	71900	170208	01	1		N	M	M	M	0.13	0.42	0.42	170201		40145548005	EPA 245.1	241329000
03232	284	71900	170515	01	1		N	M	M	M	0.13	0.42	0.42	170501		40150143007	EPA 245.1	241329000
03232	284	71900	170822	01	1		N	M	M	M	0.13	0.42	0.42	170801		40155549009	EPA 245.1	405132750
03232	286	00010	151111	01	1	11.1		M	M	M	0.1	0.1	0.1	151101	151111	40124666001	FIELD	241329000
03232	286	00010	160217	01	1	8.5		M	M	M	0.1	0.1	0.1	160201	160217	40128456008	FIELD	241329000
03232	286	00010	160511	01	1	11		M	M	M	0.1	0.1	0.1	160501	160511	40132272008	FIELD	241329000
03232	286	00010	160830	01	1	12.6		M	M	M	0.1	0.1	0.1	160801	160830	40137606006	FIELD	241329000
03232	286	00010	161114	01	1	10.9		M	M	M	0.1	0.1	0.1	161101	161114	40142064007	FIELD	241329000
03232	286	00010	170208	01	1	9.86		M	M	M	0.1	0.1	0.1	170201	170208	40145548006	FIELD	241329000
03232	286	00010	170516	01	1	12.73		M	M	M	0.1	0.1	0.1	170501	170516	40150143010	FIELD	241329000
03232	286	00010	170821	01	1	13.72		M	M	M	0.1	0.1	0.1	170801	170821	40155549004	FIELD	241329000
03232	286	00010	171114	01	1	10.61		M	M	M	0.1	0.1	0.1	171101	171114	40161125001	FIELD	241329000
03232	286	00010	180515	01	1	10.7		M	M	M	0.1	0.1	0.1	180501	180515	AE27550	TEMP	241329000
03232	286	00010	181114	01	1	10		M	M	M	0.1	0.1	0.1	181101	181114	AE31848	TEMP	241329000
03232	286	00010	190508	01	1	9.9		M	M	M	0.1	0.3333	0.3333	190501	190508	AE37956	TEMP	241329000
03232	286	00010	191104	01	1	11		M	M	M	0.1	0.3333	0.3333	191101	191105	AE41841	TEMP	241329000
03232	286	00010	200504	01	1	9.9		M	M	M	0.1	0.3333	0.3333	200501	200504	AE45604	TEMP	241329000
03232	286	00010	201109	01	1	10.88		M	M	M	0.1	0.3333	0.3333	201101	201109	AE49633	TEMP	241329000
03232	286	00010	210511	01	1	11.65		M	M	M	0.1	0.3333	0.3333	210501	210511	AE53144	TEMP	241329000
03232	286	00010	211108	01	1	15		M	M	M	0.1	0.3333	0.3333	211101	211109	AE57085	TEMP	241329000
03232	286	00010	220504	01	1	10.7		M	M	M	0.1	0.3333	0.3333	220501	220504	AE60493	TEMP	241329000
03232	286	00010	221107	01	1	12		M	M	M	0.1	0.3333	0.3333	221101	221107	AE63526	TEMP	241329000
03232	286	00010	230608	01	1	12		M	M	M	0.1	0.3333	0.3333	230601	230608	AE67100	TEMP	241329000
03232	286	00010	230814	01	1	17		M	M	M	0.1	0.3333	0.3333	230801	230814	AE68269	TEMP	241329000
03232	286	00010	230927	01	1	12.34		M	M	M	0.	0.	0.	230901	230927	40268803004	field	241329000
03232	286	00094	151111	01	1	465		M	M	M	0.	0.	0.	151101	151111	40124666001	FIELD	241329000
03232	286	00094	160217	01	1	457		M	M	M	0.	0.	0.	160201	160217	40128456008	FIELD	241329000
03232	286	00094	160511	01	1	418		M	M	M	0.	0.	0.	160501	160511	40132272008	FIELD	241329000
03232	286	00094	160830	01	1	372		M	M	M	0.	0.	0.	160801	160830	40137606006	FIELD	241329000
03232	286	00094	161114	01	1	422		M	M	M	0.	0.	0.	161101	161114	40142064007	FIELD	241329000
03232	286	00094	170208	01	1	386		M	M	M	0.	0.	0.	170201	170208	40145548006	FIELD	241329000
03232	286	00094	170516	01	1	483.2		M	M	M	0.	0.	0.	170501	170516	40150143010	FIELD	241329000
03232	286	00094	170821	01	1	426.5		M	M	M	0.	0.	0.	170801	170821	40155549004	FIELD	241329000
03232	286	00094	171114	01	1	422.7		M	M	M	0.	0.	0.	171101	171114	40161125001	FIELD	241329000
03232	286	00094	180515	01	1	397		M	M	M	0.	0.	0.	180501	180515	AE27550	FCOND25	241329000
03232	286	00094	181114	01	1	394		M	M	M	0.	0.	0.	181101	181114	AE31848	FCOND25	241329000
03232	286	00094	190508	01	1	416.2		M	M	M	0.	0.	0.	190501	190508	AE37956	FCOND25	241329000

03232	286	00094	191104	01	1	403		M	M	M	0.	0.	0.	191101	191105	AE41841	FCOND25	241329000
03232	286	00094	200504	01	1	373.4		M	M	M	0.	0.	0.	200501	200504	AE45604	FCOND25	241329000
03232	286	00094	201109	01	1	118444		M	M	M	0.	0.	0.	201101	201109	AE49633	FCOND25	241329000
03232	286	00094	210511	01	1	392.21		M	M	M	0.	0.	0.	210501	210511	AE53144	FCOND25	241329000
03232	286	00094	211108	01	1	393		M	M	M	0.	0.	0.	211101	211109	AE57085	FCOND25	241329000
03232	286	00094	220504	01	1	491.76		M	M	M	0.	0.	0.	220501	220504	AE60493	FCOND25	241329000
03232	286	00094	221107	01	1	430		M	M	M	0.	0.	0.	221101	221107	AE63526	FCOND25	241329000
03232	286	00094	230608	01	1	381		M	M	M	0.	0.	0.	230601	230608	AE67100	FCOND25	241329000
03232	286	00094	230713	01	1	430		M	M	M	0.	0.	0.	230701	230713	AE67709	FCOND25	241329000
03232	286	00094	230814	01	1	392		M	M	M	0.	0.	0.	230801	230814	AE68269	FCOND25	241329000
03232	286	00094	230927	01	1	367		M	M	M	0.	0.	0.	230901	230927	40268803004	field	241329000
03232	286	00400	151111	01	1	8.1		M	M	M	0.1	0.1	0.1	151101	151111	40124666001	FIELD	241329000
03232	286	00400	160217	01	1	7.8		M	M	M	0.1	0.1	0.1	160201	160217	40128456008	FIELD	241329000
03232	286	00400	160511	01	1	7.4		M	M	M	0.1	0.1	0.1	160501	160511	40132272008	FIELD	241329000
03232	286	00400	160830	01	1	7.6		M	M	M	0.1	0.1	0.1	160801	160830	40137606006	FIELD	241329000
03232	286	00400	161114	01	1	7.5		M	M	M	0.1	0.1	0.1	161101	161114	40142064007	FIELD	241329000
03232	286	00400	170208	01	1	7.21		M	M	M	0.1	0.1	0.1	170201	170208	40145548006	FIELD	241329000
03232	286	00400	170516	01	1	7.15		M	M	M	0.1	0.1	0.1	170501	170516	40150143010	FIELD	241329000
03232	286	00400	170821	01	1	7.41		M	M	M	0.1	0.1	0.1	170801	170821	40155549004	FIELD	241329000
03232	286	00400	171114	01	1	7.58		M	M	M	0.1	0.1	0.1	171101	171114	40161125001	FIELD	241329000
03232	286	00400	180515	01	1	7.6		M	M	M	0.1	0.1	0.1	180501	180515	AE27550	FieldPH	241329000
03232	286	00400	181114	01	1	7.6		M	M	M	0.1	0.1	0.1	181101	181114	AE31848	FieldPH	241329000
03232	286	00400	190508	01	1	7.49		M	M	M	0.1	0.1	0.1	190501	190508	AE37956	FieldPH	241329000
03232	286	00400	191104	01	1	7.5		M	M	M	0.1	0.1	0.1	191101	191105	AE41841	FieldPH	241329000
03232	286	00400	200504	01	1	7.6		M	M	M	0.1	0.1	0.1	200501	200504	AE45604	FieldPH	241329000
03232	286	00400	201109	01	1	7.6		M	M	M	0.1	0.1	0.1	201101	201109	AE49633	FieldPH	241329000
03232	286	00400	210511	01	1	7.5		M	M	M	0.1	0.1	0.1	210501	210511	AE53144	FieldPH	241329000
03232	286	00400	211108	01	1	7.3		M	M	M	0.1	0.1	0.1	211101	211109	AE57085	FieldPH	241329000
03232	286	00400	220504	01	1	7.02		M	M	M	0.1	0.1	0.1	220501	220504	AE60493	FieldPH	241329000
03232	286	00400	221107	01	1	7.1		M	M	M	0.1	0.1	0.1	221101	221107	AE63526	FieldPH	241329000
03232	286	00400	230608	01	1	7.3		M	M	M	0.1	0.1	0.1	230601	230608	AE67100	FieldPH	241329000
03232	286	00400	230713	01	1	7.3		M	M	M	0.1	0.1	0.1	230701	230713	AE67709	FieldPH	241329000
03232	286	00400	230814	01	1	7.9		M	M	M	0.1	0.1	0.1	230801	230814	AE68269	FieldPH	241329000
03232	286	00400	230927	01	1	7.54		M	M	M	0.	0.	0.	230901	230927	40268803004	field	241329000
03232	286	00410	170516	01	1	177		M	M	M	5.	10.	10.	170501	170523	40150143010	SM 2320B	241329000
03232	286	00410	170821	01	1	171		M	M	M	5.	10.	10.	170801	170829	40155549004	SM 2320B	405132750
03232	286	00410	191104	01	1	150		M	M	M	5.	17.	17.	191101	191114	AE41841	Std Mtd 2320B	241329000
03232	286	00410	201109	01	1	150		M	M	M	5.	17.	17.	201101	201119	AE49633	Std Mtd 2320B	241329000
03232	286	00410	211108	01	1	170		M	M	M	5.	10.	10.	211101	211118	AE57085	Std Mtd 2320B	405132750
03232	286	00410	221107	01	1	164		M	M	M	5.	10.	10.	221101	221116	AE63526	Std Mtd 2320B	405132750
03232	286	00630	221107	01	1		N	M	M	M	0.021	0.1	0.1	221101	221111	AE63526	EPA 353.2	405132750
03232	286	00630	230608	01	1	0.99		M	M	M	0.011	0.036	0.036	230601	230612	AE67100	EPA 353.2	405132750
03232	286	00630	230713	01	1	0.1		M	M	M	0.011	0.036	0.036	230701	230717	AE67709	EPA 353.2	405132750
03232	286	00630	230814	01	1	1.51		M	M	M	0.011	0.036	0.036	230801	230816	AE68269	EPA 353.2	405132750
03232	286	00900	221107	01	1	122		M	M	M	1.	5.4	5.4	221101	221117	AE63526	Std Mtd 2340B	405132750
03232	286	00900	230608	01	1	120		M	M	M	1.	3.333	3.333	230601	230620	AE67100	Std Mtd 2340B	241329000
03232	286	00900	230713	01	1	116		M	M	M	1.	5.4	5.4	230701	230721	AE67709	Std Mtd 2340B	241329000
03232	286	00900	230814	01	1	125		M	M	M	1.	5.4	5.4	230801	230818	AE68269	Std Mtd 2340B	241329000
03232	286	00916	151111	01	1	31		M	M	M	0.0235	1.	1.	151101	151117	40124666001	EPA 200.7	241329000
03232	286	00916	160217	01	1	35.9		M	M	M	0.0235	1.	1.	160201	160310	40128456008	EPA 200.7	241329000
03232	286	00916	160511	01	1	33.2		M	M	M	0.0235	1.	1.	160501	160526	40132272008	EPA 200.7	241329000
03232	286	00916	160830	01	1	30.3		M	M	M	0.0235	1.	1.	160801	160902	40137606006	EPA 200.7	241329000
03232	286	00916	161114	01	1	29.6		M	M	M	0.0977	0.5	0.5	161101	161122	40142064007	EPA 200.7	241329000
03232	286	00916	170208	01	1	28.4		M	M	M	0.0977	0.5	0.5	170201	170214	40145548006	EPA 200.7	241329000
03232	286	00916	170516	01	1	25.9		M	M	M	0.0977	0.5	0.5	170501	170523	40150143010	EPA 200.7	241329000
03232	286	00916	170821	01	1	28.1		M	M	M	0.0977	0.5	0.5	170801	170830	40155549004	EPA 200.7	405132750
03232	286	00916	171114	01	1	27		M	M	M	0.0977	0.5	0.5	171101	171201	40161125001	EPA 200.7	241329000
03232	286	00916	180515	01	1	27		M	M	M	0.017	0.058	0.058	180501	180518	AE27550	EPA 200.7	241329000
03232	286	00916	181114	01	1	26		M	M	M	0.017	0.058	0.058	181101	181128	AE31848	EPA 200.7	241329000
03232	286	00916	190508	01	1	27		M	M	M	0.017	0.058	0.058	190501	190514	AE37956	EPA 200.7	241329000
03232	286	00916	191104	01	1	24		M	M	M	0.027	0.089	0.089	191101	191120	AE41841	EPA 200.7	241329000
03232	286	00916	200504	01	1	25.9		M	M	M	0.114	0.5	0.5	200501		AE45604	EPA 200.7	241329000

03232	286	00916	201109	01	1	25.3		M	M	M	0.114	0.5	0.5	201101	201117	AE49633	EPA 200.7	405132750
03232	286	00916	210511	01	1	27.6		M	M	M	1.14	5.	5.	210501	210519	AE53144	EPA 200.7	405132750
03232	286	00916	211108	01	1	26.1		M	M	M	0.114	0.5	0.5	211101	211116	AE57085	EPA 200.7	405132750
03232	286	00916	220504	01	1	26.9		M	M	M	0.0762	0.254	0.254	220501		AE60493	EPA 200.7	405132750
03232	286	00916	221107	01	1	24.6		M	M	M	0.114	0.5	0.5	221101	221117	AE63526	EPA 200.7	405132750
03232	286	00916	230608	01	1	24.3		M	M	M	0.55	1.9	1.9	230601	230620	AE67100	EPA 200.7	241329000
03232	286	00916	230713	01	1	23.8		M	M	M	0.11	0.5	0.5	230701	230721	AE67709	EPA 200.7	241329000
03232	286	00916	230814	01	1	25.6		M	M	M	0.114	0.5	0.5	230801	230818	AE68269	EPA 200.7	241329000
03232	286	00940	151111	01	1	6.1		M	M	M	2.	4.	4.	151101	151128	40124666001	EPA 300.0	241329000
03232	286	00940	160217	01	1	7.4		M	M	M	2.	4.	4.	160201	160229	40128456008	EPA 300.0	241329000
03232	286	00940	160511	01	1	10.1		M	M	M	2.	4.	4.	160501	160525	40132272008	EPA 300.0	241329000
03232	286	00940	160830	01	1	7.2		M	M	M	2.	4.	4.	160801	160909	40137606006	EPA 300.0	241329000
03232	286	00940	161114	01	1	9.6		M	M	M	0.5	2.	2.	161101	161206	40142064007	EPA 300.0	241329000
03232	286	00940	170208	01	1	10.4		M	M	M	0.5	2.	2.	170201	170223	40145548006	EPA 300.0	241329000
03232	286	00940	170516	01	1	9.9		M	M	M	0.5	2.	2.	170501	170608	40150143010	EPA 300.0	241329000
03232	286	00940	170821	01	1	10.6		M	M	M	0.5	2.	2.	170801	170906	40155549004	EPA 300.0	405132750
03232	286	00940	171114	01	1	6.8		M	M	M	0.5	2.	2.	171101	171214	40161125001	EPA 300.0	241329000
03232	286	00940	180515	01	1	6		M	M	M	0.43	1.4	1.4	180501	180521	AE27550	EPA 300.0	241329000
03232	286	00940	181114	01	1	5.8		M	M	M	0.21	0.7	0.7	181101	181126	AE31848	EPA 300.0	241329000
03232	286	00940	190508	01	1	7.1		M	M	M	0.21	0.7	0.7	190501	190522	AE37956	EPA 300.0	241329000
03232	286	00940	191104	01	1	5		M	M	M	0.18	0.6	0.6	191101	191112	AE41841	EPA 300.0	241329000
03232	286	00940	200504	01	1	5.3		M	M	M	0.002	0.006	0.006	200501	200513	AE45604	EPA 300.0	241329000
03232	286	00940	201109	01	1	4.8		M	M	M	0.046	0.154	0.154	201101	201119	AE49633	EPA 300.0	241329000
03232	286	00940	210511	01	1	7.1		M	M	M	0.43	2.	2.	210501	210602	AE53144	EPA 300.0	405132750
03232	286	00940	211108	01	1	5.6		M	M	M	0.43	2.	2.	211101	211206	AE57085	EPA 300.0	405132750
03232	286	00940	220504	01	1	9.5	J	M	M	M	2.2	10.	10.	220501	220517	AE60493	EPA 300.0	405132750
03232	286	00940	221107	01	1	6.8		M	M	M	0.43	2.	2.	221101	221111	AE63526	EPA 300.0	405132750
03232	286	00945	151111	01	1	26.3		M	M	M	2.	4.	4.	151101	151128	40124666001	EPA 300.0	241329000
03232	286	00945	160217	01	1	11.6		M	M	M	2.	4.	4.	160201	160229	40128456008	EPA 300.0	241329000
03232	286	00945	160511	01	1	5.4		M	M	M	2.	4.	4.	160501	160525	40132272008	EPA 300.0	241329000
03232	286	00945	160830	01	1	25		M	M	M	2.	4.	4.	160801	160909	40137606006	EPA 300.0	241329000
03232	286	00945	161114	01	1	26.5		M	M	M	1.	3.	3.	161101	161206	40142064007	EPA 300.0	241329000
03232	286	00945	170208	01	1	25.7		M	M	M	1.	3.	3.	170201	170223	40145548006	EPA 300.0	241329000
03232	286	00945	170516	01	1	30.2		M	M	M	1.	3.	3.	170501	170608	40150143010	EPA 300.0	241329000
03232	286	00945	170821	01	1	29.1		M	M	M	1.	3.	3.	170801	170906	40155549004	EPA 300.0	405132750
03232	286	00945	171114	01	1	34.5		M	M	M	1.	3.	3.	171101	171214	40161125001	EPA 300.0	241329000
03232	286	00945	180515	01	1	33		M	M	M	0.14	0.47	0.47	180501	180521	AE27550	EPA 300.0	241329000
03232	286	00945	181114	01	1	36		M	M	M	0.11	0.37	0.37	181101	181126	AE31848	EPA 300.0	241329000
03232	286	00945	190508	01	1	37		M	M	M	0.11	0.37	0.37	190501	190522	AE37956	EPA 300.0	241329000
03232	286	00945	191104	01	1	35		M	M	M	0.14	0.48	0.48	191101	191125	AE41841	EPA 300.0	241329000
03232	286	00945	200504	01	1	35		M	M	M	0.031	0.04	0.04	200501	200513	AE45604	EPA 300.0	241329000
03232	286	00945	201109	01	1	35		M	M	M	0.154	0.514	0.514	201101	201123	AE49633	EPA 300.0	241329000
03232	286	00945	210511	01	1	33.1		M	M	M	0.44	2.	2.	210501	210602	AE53144	EPA 300.0	405132750
03232	286	00945	211108	01	1	17.7		M	M	M	0.44	2.	2.	211101	211206	AE57085	EPA 300.0	405132750
03232	286	00945	220504	01	1	36.7		M	M	M	2.2	10.	10.	220501	220517	AE60493	EPA 300.0	405132750
03232	286	00945	221107	01	1	34.4		M	M	M	0.44	2.	2.	221101	221111	AE63526	EPA 300.0	405132750
03232	286	00951	151111	01	1	0.82		M	M	M	0.2	0.4	0.4	151101	151128	40124666001	EPA 300.0	241329000
03232	286	00951	160217	01	1	0.74		M	M	M	0.2	0.4	0.4	160201	160229	40128456008	EPA 300.0	241329000
03232	286	00951	160511	01	1	4		M	M	M	1.	3.	3.	160501	160525	40132272008	EPA 300.0	241329000
03232	286	00951	160830	01	1	2.3		M	M	M	0.2	0.4	0.4	160801	160909	40137606006	EPA 300.0	241329000
03232	286	00951	161114	01	1	0.54		M	M	M	0.1	0.3	0.3	161101	161206	40142064007	EPA 300.0	241329000
03232	286	00951	170208	01	1		N	M	M	M	0.5	1.5	1.5	170201	170227	40145548006	EPA 300.0	241329000
03232	286	00951	170516	01	1	1.1		M	M	M	0.1	0.3	0.3	170501	170608	40150143010	EPA 300.0	241329000
03232	286	00951	170821	01	1	1		M	M	M	0.1	0.3	0.3	170801	170906	40155549004	EPA 300.0	405132750
03232	286	00951	171114	01	1	1.2		M	M	M	0.1	0.3	0.3	171101	171214	40161125001	EPA 300.0	241329000
03232	286	00951	180515	01	1	1.1		M	M	M	0.05	0.17	0.17	180501	180521	AE27550	EPA 300.0	241329000
03232	286	00951	181114	01	1	1		M	M	M	0.04	0.13	0.13	181101	181126	AE31848	EPA 300.0	241329000
03232	286	00951	190508	01	1	1.1		M	M	M	0.04	0.13	0.13	190501	190522	AE37956	EPA 300.0	241329000
03232	286	00951	191104	01	1	1.1		M	M	M	0.07	0.22	0.22	191101	191112	AE41841	EPA 300.0	241329000
03232	286	00951	200504	01	1	1.1		M	M	M	0.007	0.023	0.023	200501	200513	AE45604	EPA 300.0	241329000
03232	286	00951	201109	01	1	1.3		M	M	M	0.008	0.026	0.026	201101	201119	AE49633	EPA 300.0	241329000
03232	286	00951	210511	01	1	1.1		M	M	M	0.095	0.32	0.32	210501	210602	AE53144	EPA 300.0	405132750

03232	286	00951	211108	01	1	1.2		M	M	M	0.095	0.32	0.32	211101	211206	AE57085	EPA 300.0	405132750
03232	286	00951	220504	01	1	1.3	J	M	M	M	0.48	1.6	1.6	220501	220517	AE60493	EPA 300.0	405132750
03232	286	00951	221107	01	1	1.1		M	M	M	0.095	0.32	0.32	221101	221111	AE63526	EPA 300.0	405132750
03232	286	01002	151111	01	1	1.4	J	M	M	M	0.56	5.	5.	151101		40124666001	EPA 200.8	241329000
03232	286	01002	160217	01	1	1.4		M	M	M	0.099	1.	1.	160201		40128456008	EPA 200.8	241329000
03232	286	01002	160511	01	1	1.6		M	M	M	0.099	1.	1.	160501		40132272008	EPA 200.8	241329000
03232	286	01002	160830	01	1	0.87	J	M	M	M	0.099	1.	1.	160801		40137606006	EPA 200.8	241329000
03232	286	01002	161114	01	1	0.84	J	M	M	M	0.099	1.	1.	161101		40142064007	EPA 200.8	241329000
03232	286	01002	170208	01	1	0.65	J	M	M	M	0.099	1.	1.	170201		40145548006	EPA 200.8	241329000
03232	286	01002	170516	01	1	1.1		M	M	M	0.099	1.	1.	170501	170608	40150143010	EPA 200.8	241329000
03232	286	01002	170821	01	1	1		M	M	M	0.28	1.	1.	170801	170906	40155549004	EPA 200.8	405132750
03232	286	01007	151111	01	1	40.6		M	M	M	1.7	5.	5.	151101		40124666001	EPA 200.7	241329000
03232	286	01007	160217	01	1	42.5		M	M	M	1.7	5.	5.	160201		40128456008	EPA 200.7	241329000
03232	286	01007	160511	01	1	35		M	M	M	1.7	5.	5.	160501		40132272008	EPA 200.7	241329000
03232	286	01007	160830	01	1	31		M	M	M	1.7	5.	5.	160801		40137606006	EPA 200.7	241329000
03232	286	01007	161114	01	1	31.3		M	M	M	1.5	5.	5.	161101		40142064007	EPA 200.7	241329000
03232	286	01007	170208	01	1	29.1		M	M	M	1.5	5.	5.	170201		40145548006	EPA 200.7	241329000
03232	286	01007	170516	01	1	28.3		M	M	M	1.5	5.	5.	170501		40150143010	EPA 200.7	241329000
03232	286	01007	170821	01	1	31.6		M	M	M	1.5	5.	5.	170801		40155549004	EPA 200.7	405132750
03232	286	01012	151111	01	1		N	M	M	M	0.68	4.	4.	151101		40124666001	EPA 200.7	241329000
03232	286	01012	160217	01	1		N	M	M	M	0.68	4.	4.	160201		40128456008	EPA 200.7	241329000
03232	286	01012	160511	01	1		N	M	M	M	0.68	4.	4.	160501		40132272008	EPA 200.7	241329000
03232	286	01012	160830	01	1		N	M	M	M	0.68	4.	4.	160801		40137606006	EPA 200.7	241329000
03232	286	01012	161114	01	1		N	M	M	M	1.2	4.	4.	161101		40142064007	EPA 200.7	241329000
03232	286	01012	170208	01	1		N	M	M	M	1.2	4.	4.	170201		40145548006	EPA 200.7	241329000
03232	286	01012	170516	01	1		N	M	M	M	1.2	4.	4.	170501		40150143010	EPA 200.7	241329000
03232	286	01012	170821	01	1		N	M	M	M	1.2	4.	4.	170801		40155549004	EPA 200.7	405132750
03232	286	01022	151111	01	1	0.332		M	M	M	0.0028	0.019	0.019	151101	151117	40124666001	EPA 200.7	241329000
03232	286	01022	160217	01	1	0.376		M	M	M	0.0028	0.019	0.019	160201	160310	40128456008	EPA 200.7	241329000
03232	286	01022	160511	01	1	0.406		M	M	M	0.0028	0.019	0.019	160501	160526	40132272008	EPA 200.7	241329000
03232	286	01022	160830	01	1	0.358		M	M	M	0.0028	0.019	0.019	160801	160902	40137606006	EPA 200.7	241329000
03232	286	01022	161114	01	1	0.37		M	M	M	0.0067	0.04	0.04	161101	161122	40142064007	EPA 200.7	241329000
03232	286	01022	170208	01	1	0.37		M	M	M	0.0067	0.04	0.04	170201	170214	40145548006	EPA 200.7	241329000
03232	286	01022	170516	01	1	0.37		M	M	M	0.0067	0.04	0.04	170501	170523	40150143010	EPA 200.7	241329000
03232	286	01022	170821	01	1	0.38		M	M	M	0.0067	0.04	0.04	170801	170830	40155549004	EPA 200.7	405132750
03232	286	01022	171114	01	1	0.391		M	M	M	0.0067	0.04	0.04	171101	171201	40161125001	EPA 200.7	241329000
03232	286	01022	180515	01	1	0.4		M	M	M	0.0023	0.0075	0.0075	180501	180518	AE27550	EPA 200.7	241329000
03232	286	01022	181114	01	1	0.38		M	M	M	0.0023	0.0075	0.0075	181101	181128	AE31848	EPA 200.7	241329000
03232	286	01022	190508	01	1	0.37		M	M	M	0.0023	0.0075	0.0075	190501	190514	AE37956	EPA 200.7	241329000
03232	286	01022	191104	01	1	0.36		M	M	M	0.0045	0.015	0.015	191101	191120	AE41841	EPA 200.7	241329000
03232	286	01022	200504	01	1	0.409		M	M	M	0.0173	0.0577	0.0577	200501		AE45604	EPA 200.7	241329000
03232	286	01022	201109	01	1	0.394		M	M	M	0.0173	0.04	0.04	201101	201117	AE49633	EPA 200.7	405132750
03232	286	01022	210511	01	1	0.404		M	M	M	0.0173	0.04	0.04	210501	210518	AE53144	EPA 200.7	405132750
03232	286	01022	211108	01	1	0.385		M	M	M	0.0173	0.04	0.04	211101	211116	AE57085	EPA 200.7	405132750
03232	286	01022	220504	01	1	0.364		M	M	M	0.003	0.01	0.01	220501	220520	AE60493	EPA 200.7	405132750
03232	286	01022	221107	01	1	0.368		M	M	M	0.0173	0.04	0.04	221101	221117	AE63526	EPA 200.7	405132750
03232	286	01027	151111	01	1		N	M	M	M	1.	5.	5.	151101		40124666001	EPA 200.7	241329000
03232	286	01027	160217	01	1		N	M	M	M	1.	5.	5.	160201		40128456008	EPA 200.7	241329000
03232	286	01027	160511	01	1		N	M	M	M	1.	5.	5.	160501		40132272008	EPA 200.7	241329000
03232	286	01027	160830	01	1		N	M	M	M	1.	5.	5.	160801		40137606006	EPA 200.7	241329000
03232	286	01027	161114	01	1		N	M	M	M	1.3	5.	5.	161101		40142064007	EPA 200.7	241329000
03232	286	01027	170208	01	1		N	M	M	M	1.3	5.	5.	170201		40145548006	EPA 200.7	241329000
03232	286	01027	170516	01	1		N	M	M	M	1.3	5.	5.	170501		40150143010	EPA 200.7	241329000
03232	286	01027	170821	01	1		N	M	M	M	1.3	5.	5.	170801		40155549004	EPA 200.7	405132750
03232	286	01034	151111	01	1		N	M	M	M	1.5	5.	5.	151101		40124666001	EPA 200.7	241329000
03232	286	01034	160217	01	1		N	M	M	M	1.5	5.	5.	160201		40128456008	EPA 200.7	241329000
03232	286	01034	160511	01	1		N	M	M	M	1.5	5.	5.	160501		40132272008	EPA 200.7	241329000
03232	286	01034	160830	01	1		N	M	M	M	1.5	5.	5.	160801		40137606006	EPA 200.7	241329000
03232	286	01034	161114	01	1		N	M	M	M	2.5	10.	10.	161101		40142064007	EPA 200.7	241329000
03232	286	01034	170208	01	1		N	M	M	M	2.5	10.	10.	170201	170208	40145548006	EPA 200.7	241329000
03232	286	01034	170516	01	1		N	M	M	M	2.5	10.	10.	170501		40150143010	EPA 200.7	241329000
03232	286	01034	170821	01	1		N	M	M	M	2.5	10.	10.	170801		40155549004	EPA 200.7	405132750

03232	286	01037	151111	01	1		N	M	M	M	1.3	5.	5.	151101		40124666001	EPA 200.7	241329000
03232	286	01037	160217	01	1		N	M	M	M	1.3	5.	5.	160201		40128456008	EPA 200.7	241329000
03232	286	01037	160511	01	1		N	M	M	M	1.3	5.	5.	160501		40132272008	EPA 200.7	241329000
03232	286	01037	160830	01	1		N	M	M	M	1.3	5.	5.	160801		40137606006	EPA 200.7	241329000
03232	286	01037	161114	01	1		N	M	M	M	1.4	5.	5.	161101		40142064007	EPA 200.7	241329000
03232	286	01037	170208	01	1		N	M	M	M	1.4	5.	5.	170201		40145548006	EPA 200.7	241329000
03232	286	01037	170516	01	1		N	M	M	M	1.4	5.	5.	170501		40150143010	EPA 200.7	241329000
03232	286	01037	170821	01	1		N	M	M	M	1.4	5.	5.	170801		40155549004	EPA 200.7	405132750
03232	286	01042	221107	01	1		N	M	M	M	3.4	10.	10.	221101	221117	AE63526	EPA 200.7	405132750
03232	286	01042	230608	01	1		N	M	M	M	4.	10.	10.	230601	230619	AE67100	EPA 200.7	241329000
03232	286	01042	230713	01	1		N	M	M	M	3.4	10.	10.	230701	230721	AE67709	EPA 200.7	241329000
03232	286	01042	230814	01	1		N	M	M	M	3.4	10.	10.	230801	230818	AE68269	EPA 200.7	241329000
03232	286	01051	151111	01	1	0.27	J	M	M	M	0.16	4.	4.	151101		40124666001	EPA 200.8	241329000
03232	286	01051	160217	01	1	0.21	J	M	M	M	0.04	1.	1.	160201		40128456008	EPA 200.8	241329000
03232	286	01051	160511	01	1	0.39	J	M	M	M	0.04	1.	1.	160501		40132272008	EPA 200.8	241329000
03232	286	01051	160830	01	1	0.056	J	M	M	M	0.04	1.	1.	160801		40137606006	EPA 200.8	241329000
03232	286	01051	161114	01	1	0.082	J	M	M	M	0.04	1.	1.	161101		40142064007	EPA 200.8	241329000
03232	286	01051	170208	01	1	0.063	J	M	M	M	0.04	1.	1.	170201		40145548006	EPA 200.8	241329000
03232	286	01051	170516	01	1		N	M	M	M	0.04	1.	1.	170501		40150143010	EPA 200.8	241329000
03232	286	01051	170821	01	1		N	M	M	M	0.2	1.	1.	170801		40155549004	EPA 200.8	405132750
03232	286	01055	230608	01	1	40		M	M	M	4.	10.	10.	230601	230620	AE67100	EPA 200.7	241329000
03232	286	01055	230713	01	1	34.3		M	M	M	1.5	5.	5.	230701	230721	AE67709	EPA 200.7	241329000
03232	286	01055	230814	01	1	33.8		M	M	M	1.5	5.	5.	230801	230818	AE68269	EPA 200.7	241329000
03232	286	01055	230927	01	1	37.4		M	M	M	1.5	5.	5.	230901	231003	40268803004	EPA 200.7	405132750
03232	286	01059	151111	01	1		N	M	M	M	0.09	0.039	0.039	151101		40124666001	EPA 200.8	241329000
03232	286	01059	160217	01	1		N	M	M	M	0.14	1.	1.	160201		40128456008	EPA 200.8	241329000
03232	286	01059	160511	01	1		N	M	M	M	0.14	1.	1.	160501		40132272008	EPA 200.8	241329000
03232	286	01059	160830	01	1		N	M	M	M	0.14	1.	1.	160801		40137606006	EPA 200.8	241329000
03232	286	01059	161114	01	1		N	M	M	M	0.14	1.	1.	161101		40142064007	EPA 200.8	241329000
03232	286	01059	170208	01	1		N	M	M	M	0.14	1.	1.	170201		40145548006	EPA 200.8	241329000
03232	286	01059	170516	01	1		N	M	M	M	0.14	1.	1.	170501		40150143010	EPA 200.8	241329000
03232	286	01059	170821	01	1		N	M	M	M	0.14	1.	1.	170801		40155549004	EPA 200.8	405132750
03232	286	01062	151111	01	1	27.3		M	M	M	2.5	20.	20.	151101		40124666001	EPA 200.7	241329000
03232	286	01062	160217	01	1	20.6		M	M	M	2.5	20.	20.	160201		40128456008	EPA 200.7	241329000
03232	286	01062	160511	01	1	19.4	J	M	M	M	2.5	20.	20.	160501		40132272008	EPA 200.7	241329000
03232	286	01062	160830	01	1	26.8		M	M	M	2.5	20.	20.	160801		40137606006	EPA 200.7	241329000
03232	286	01062	161114	01	1	21.9		M	M	M	1.4	10.	10.	161101		40142064007	EPA 200.7	241329000
03232	286	01062	170208	01	1	20		M	M	M	1.4	10.	10.	170201		40145548006	EPA 200.7	241329000
03232	286	01062	170516	01	1	24		M	M	M	1.4	10.	10.	170501		40150143010	EPA 200.7	241329000
03232	286	01062	170821	01	1	16		M	M	M	1.4	10.	10.	170801		40155549004	EPA 200.7	405132750
03232	286	01077	221107	01	1		N	M	M	M	3.2	10.	10.	221101	221117	AE63526	EPA 200.7	405132750
03232	286	01077	230608	01	1		N	M	M	M	20.	70.	70.	230601	230615	AE67100	EPA 200.7	241329000
03232	286	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67709	EPA 200.7	241329000
03232	286	01077	230814	01	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68269	EPA 200.7	241329000
03232	286	01092	221107	01	1		N	M	M	M	11.6	40.	40.	221101	221117	AE63526	EPA 200.7	405132750
03232	286	01092	230608	01	1		N	M	M	M	60.	200.	200.	230601	230619	AE67100	EPA 200.7	241329000
03232	286	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67709	EPA 200.7	241329000
03232	286	01092	230814	01	1		N	M	M	M	11.6	40.	40.	230801	230818	AE68269	EPA 200.7	241329000
03232	286	01097	151111	01	1		N	M	M	M	0.33	5.	5.	151101		40124666001	EPA 200.8	241329000
03232	286	01097	160217	01	1	0.15	J	M	M	M	0.073	1.	1.	160201		40128456008	EPA 200.8	241329000
03232	286	01097	160511	01	1	0.22	J	M	M	M	0.073	1.	1.	160501		40132272008	EPA 200.8	241329000
03232	286	01097	160830	01	1	0.14	J	M	M	M	0.073	1.	1.	160801		40137606006	EPA 200.8	241329000
03232	286	01097	161114	01	1	0.19	J	M	M	M	0.073	1.	1.	161101		40142064007	EPA 200.8	241329000
03232	286	01097	170208	01	1	0.13	J	M	M	M	0.073	1.	1.	170201		40145548006	EPA 200.8	241329000
03232	286	01097	170516	01	1	0.18	J	M	M	M	0.073	1.	1.	170501		40150143010	EPA 200.8	241329000
03232	286	01097	170821	01	1	0.23	J	M	M	M	0.15	1.	1.	170801		40155549004	EPA 200.8	405132750
03232	286	01132	151111	01	1	3.3	J	M	M	M	0.63	5.	5.	151101		40124666001	EPA 200.8	241329000
03232	286	01132	160217	01	1	2		M	M	M	0.11	1.	1.	160201		40128456008	EPA 200.8	241329000
03232	286	01132	160511	01	1	4.2		M	M	M	0.11	1.	1.	160501		40132272008	EPA 200.8	241329000
03232	286	01132	160830	01	1	3.1		M	M	M	0.11	1.	1.	160801		40137606006	EPA 200.8	241329000
03232	286	01132	161114	01	1	4.4		M	M	M	0.11	1.	1.	161101		40142064007	EPA 200.8	241329000
03232	286	01132	170208	01	1	4.1		M	M	M	0.11	1.	1.	170201		40145548006	EPA 200.8	241329000

03232	286	01132	170516	01	1	3.5		M	M	M	0.11	1.	1.	170501		40150143010	EPA 200.8	241329000
03232	286	01132	170821	01	1	4		M	M	M	0.14	1.	1.	170801		40155549004	EPA 200.8	405132750
03232	286	01147	151111	01	1		N	M	M	M	0.8	5.	5.	151101		40124666001	EPA 200.8	241329000
03232	286	01147	160217	01	1		N	M	M	M	0.21	1.	1.	160201		40128456008	EPA 200.8	241329000
03232	286	01147	160511	01	1		N	M	M	M	0.21	1.	1.	160501		40132272008	EPA 200.8	241329000
03232	286	01147	160830	01	1		N	M	M	M	0.21	1.	1.	160801		40137606006	EPA 200.8	241329000
03232	286	01147	161114	01	1		N	M	M	M	0.21	1.	1.	161101		40142064007	EPA 200.8	241329000
03232	286	01147	170208	01	1		N	M	M	M	0.21	1.	1.	170201		40145548006	EPA 200.8	241329000
03232	286	01147	170516	01	1		N	M	M	M	0.21	1.	1.	170501		40150143010	EPA 200.8	241329000
03232	286	01147	170821	01	1		N	M	M	M	0.32	1.1	1.1	170801		40155549004	EPA 200.8	405132750
03232	286	04189	151111	01	1	648.32		M	M	M	0.	0.	0.	151101		40124666001	Calculated	405132750
03232	286	04189	160217	01	1	653.56		M	M	M	0.	0.	0.	160201		40128456008	Calculated	405132750
03232	286	04189	160511	01	1	652.66		M	M	M	0.	0.	0.	160501		40132272008	Calculated	405132750
03232	286	04189	160830	01	1	645.51		M	M	M	0.	0.	0.	160801		40137606006	Calculated	405132750
03232	286	04189	161114	01	1	650.89		M	M	M	0.	0.	0.	161101		40142064007	Calculated	405132750
03232	286	04189	170208	01	1	654.02		M	M	M	0.	0.	0.	170201		40145548006	Calculated	405132750
03232	286	04189	170516	01	1	653.99		M	M	M	0.	0.	0.	170501		40150143010	Calculated	405132750
03232	286	04189	170821	01	1	652.27		M	M	M	0.	0.	0.	170801		UNKNOWN	Calculated	405132750
03232	286	04189	171114	01	1	652.87		M	M	M	0.	0.	0.	171101		40161125001	calculated	241329000
03232	286	04189	180515	01	1	653.68		M	M	M	0.	0.	0.	180501		AE27550	Calculated	241329000
03232	286	04189	181114	01	1	655.49		M	M	M	0.	0.	0.	181101		AE31848	calculated	241329000
03232	286	04189	190508	01	1	656.78		M	M	M	0.	0.	0.	190501		AE37956	calculated	241329000
03232	286	04189	191104	01	1	656.66		M	M	M	0.	0.	0.	191101		AE41841	calculated	241329000
03232	286	04189	200504	01	1	656.97		M	M	M	0.	0.	0.	200501		AE45604	calculated	241329000
03232	286	04189	201109	01	1	655.1		M	M	M	0.	0.	0.	201101		AE49633	calculated	241329000
03232	286	04189	210511	01	1	655.71		M	M	M	0.	0.	0.	210501		AE53144	calculated	241329000
03232	286	04189	211108	01	1	652.57		M	M	M	0.	0.	0.	211101		AE57085	calculated	241329000
03232	286	04189	220504	01	1	655.71		M	M	M	0.	0.	0.	220501		AE60493	calculated	241329000
03232	286	04189	221107	01	1	651.67		M	M	M	0.	0.	0.	221101		AE63526	calculated	241329000
03232	286	04189	230608	01	1	653.84		M	M	M	0.	0.	0.	230601		AE67100	calculated	241329000
03232	286	04189	230713	01	1	652.28		M	M	M	0.	0.	0.	230701		AE67709	calculated	241329000
03232	286	04189	230814	01	1	651.37		M	M	M	0.	0.	0.	230801		AE68269	calculated	241329000
03232	286	04189	230927	01	1	650.45		M	M	M	0.	0.	0.	230901		40268803004	calculated	241329000
03232	286	11503	151111	01	1	0.498		M	M	M	1.54	5.1328	5.1328	151101	160310	40124666001	Total Radium Calc	241329000
03232	286	11503	160217	01	1	0.443		M	M	M	0.	0.	0.	160201	160310	40128456008	Total Radium Calc	241329000
03232	286	11503	160511	01	1	0.0665		M	M	M	1.7	5.6661	5.6661	160501	160610	40132272008	Total Radium Calc	241329000
03232	286	11503	160830	01	1	0.947		M	M	M	0.	0.	0.	160801	160926	40137606006	Total Radium Calc	241329000
03232	286	11503	161114	01	1	0.368		M	M	M	0.	0.	0.	161101	161206	40142064007	Total Radium Calc	241329000
03232	286	11503	170208	01	1	0.312		M	M	M	0.	0.	0.	170201	170303	40145548006	Total Radium Calc	241329000
03232	286	11503	170516	01	1	0.502		M	M	M	1.28	4.2662	4.2662	170501	170613	40150143010	Total Radium Calc	241329000
03232	286	11503	170821	01	1	0.424		M	M	M	1.63	5.4328	5.4328	170801	170918	40155549004	Total Radium Calc	405132750
03232	286	70300	151111	01	1	230		M	M	M	8.7	28.9971	28.9971	151101	151117	40124666001	SM 2540C	241329000
03232	286	70300	160217	01	1	244		M	M	M	8.7	28.9971	28.9971	160201	160223	40128456008	SM 2540C	241329000
03232	286	70300	160511	01	1	218		M	M	M	8.7	28.9971	28.9971	160501	160518	40132272008	SM 2540C	241329000
03232	286	70300	160830	01	1	256		M	M	M	8.7	28.9971	28.9971	160801	160906	40137606006	SM 2540C	241329000
03232	286	70300	161114	01	1	260		M	M	M	8.7	28.9971	28.9971	161101	161117	40142064007	SM 2540C	241329000
03232	286	70300	170208	01	1	114		M	M	M	8.7	28.9971	28.9971	170201	170215	40145548006	SM 2540C	241329000
03232	286	70300	170516	01	1	230		M	M	M	8.7	28.9971	28.9971	170501	170522	40150143010	SM 2540C	241329000
03232	286	70300	170821	01	1	232		M	M	M	8.7	20.	20.	170801	170828	40155549004	SM 2540C	405132750
03232	286	70300	171114	01	1	196		M	M	M	8.7	20.	20.	171101	171120	40161125001	SM 2540C	241329000
03232	286	70300	180515	01	1	200		M	M	M	20.	66.66	66.66	180501	180518	AE27550	Std Mtd 2540 C	241329000
03232	286	70300	181114	01	1	140		M	M	M	20.	66.66	66.66	181101	181120	AE31848	Std Mtd 2540 C	241329000
03232	286	70300	190508	01	1	210		M	M	M	20.	66.66	66.66	190501	190514	AE37956	Std Mtd 2540 C	241329000
03232	286	70300	191104	01	1	200		M	M	M	20.	66.66	66.66	191101	191108	AE41841	Std Mtd 2540 C	241329000
03232	286	70300	200504	01	1	170		M	M	M	20.	66.66	66.66	200501	200507	AE45604	Std Mtd 2540 C	241329000
03232	286	70300	201109	01	1	200		M	M	M	20.	66.66	66.66	201101	201117	AE49633	Std Mtd 2540 C	241329000
03232	286	70300	210511	01	1	230		M	M	M	8.7	20.	20.	210501	210514	AE53144	Std Mtd 2540 C	405132750
03232	286	70300	211108	01	1	206		M	M	M	8.7	20.	20.	211101	211117	AE57085	Std Mtd 2540 C	405132750
03232	286	70300	220504	01	1	254		M	M	M	8.7	20.	20.	220501	220509	AE60493	Std Mtd 2540 C	405132750
03232	286	70300	221107	01	1	216		M	M	M	8.7	20.	20.	221101	221114	AE63526	Std Mtd 2540 C	405132750
03232	286	71900	151111	01	1		N	M	M	M	0.1	0.2	0.2	151101		40124666001	EPA 245.1	241329000
03232	286	71900	160217	01	1		N	M	M	M	0.1	0.2	0.2	160201		40128456008	EPA 245.1	241329000

03232	286	71900	160511	01	1		N	M	M	M	0.13	0.42	0.42	160501		40132272008	EPA 245.1	241329000
03232	286	71900	160830	01	1		N	M	M	M	0.13	0.42	0.42	160801		40137606006	EPA 245.1	241329000
03232	286	71900	161114	01	1		N	M	M	M	0.13	0.42	0.42	161101		40142064007	EPA 245.1	241329000
03232	286	71900	170208	01	1		N	M	M	M	0.13	0.42	0.42	170201		40145548006	EPA 245.1	241329000
03232	286	71900	170516	01	1		N	M	M	M	0.13	0.42	0.42	170501		40150143010	EPA 245.1	241329000
03232	286	71900	170821	01	1		N	M	M	M	0.13	0.42	0.42	170801		40155549004	EPA 245.1	405132750
03232	288	00010	151111	01	1	10.7		M	M	M	0.1	0.1	0.1	151101	151111	40124666002	FIELD	241329000
03232	288	00010	160216	01	1	10		M	M	M	0.1	0.1	0.1	160201	160216	40128456002	FIELD	241329000
03232	288	00010	160511	01	1	10.6		M	M	M	0.1	0.1	0.1	160501	160511	40132272006	FIELD	241329000
03232	288	00010	160830	01	1	11.1		M	M	M	0.1	0.1	0.1	160801	160830	40137606001	FIELD	241329000
03232	288	00010	161114	01	1	10.6		M	M	M	0.1	0.1	0.1	161101	161114	40142064006	FIELD	241329000
03232	288	00010	170208	01	1	9.72		M	M	M	0.1	0.1	0.1	170201	170208	40145548001	FIELD	241329000
03232	288	00010	170515	01	1	11.62		M	M	M	0.1	0.1	0.1	170501	170515	40150143004	FIELD	241329000
03232	288	00010	170821	01	1	11.6		M	M	M	0.1	0.1	0.1	170801	170821	40155549006	FIELD	241329000
03232	288	00010	171115	01	1	10.35		M	M	M	0.1	0.1	0.1	171101	171115	40161125005	FIELD	241329000
03232	288	00010	180516	01	1	11.3		M	M	M	0.1	0.1	0.1	180501	180516	AE27551	TEMP	241329000
03232	288	00010	181115	01	1	9.6		M	M	M	0.1	0.1	0.1	181101	181115	AE31852	TEMP	241329000
03232	288	00010	190508	01	1	10.06		M	M	M	0.1	0.3333	0.3333	190501	190508	AE37957	TEMP	241329000
03232	288	00010	191105	01	1	10		M	M	M	0.1	0.3333	0.3333	191101	191105	AE41845	TEMP	241329000
03232	288	00010	200504	01	1	10.3		M	M	M	0.1	0.3333	0.3333	200501	200504	AE45605	TEMP	241329000
03232	288	00010	201110	01	1	11.27		M	M	M	0.1	0.3333	0.3333	201101	201110	AE49638	TEMP	241329000
03232	288	00010	210511	01	1	11.06		M	M	M	0.1	0.3333	0.3333	210501	210511	AE53145	TEMP	241329000
03232	288	00010	211109	01	1	13		M	M	M	0.1	0.3333	0.3333	211101	211109	AE57089	TEMP	241329000
03232	288	00010	220505	01	1	10.4		M	M	M	0.1	0.3333	0.3333	220501	220505	AE60499	TEMP	241329000
03232	288	00010	221107	01	1	11		M	M	M	0.1	0.3333	0.3333	221101	221107	AE63525	TEMP	241329000
03232	288	00010	230608	01	1	13		M	M	M	0.1	0.3333	0.3333	230601	230608	AE67101	TEMP	241329000
03232	288	00010	230814	01	1	14		M	M	M	0.1	0.3333	0.3333	230801	230814	AE68270	TEMP	241329000
03232	288	00010	230927	01	1	11.71		M	M	M	0.	0.	0.	230901	230927	40268803005	field	241329000
03232	288	00094	151111	01	1	462		M	M	M	0.	0.	0.	151101	151111	40124666002	FIELD	241329000
03232	288	00094	160216	01	1	436		M	M	M	0.	0.	0.	160201	160216	40128456002	FIELD	241329000
03232	288	00094	160511	01	1	428		M	M	M	0.	0.	0.	160501	160511	40132272006	FIELD	241329000
03232	288	00094	160830	01	1	373		M	M	M	0.	0.	0.	160801	160830	40137606001	FIELD	241329000
03232	288	00094	161114	01	1	430		M	M	M	0.	0.	0.	161101	161114	40142064006	FIELD	241329000
03232	288	00094	170208	01	1	396		M	M	M	0.	0.	0.	170201	170208	40145548001	FIELD	241329000
03232	288	00094	170515	01	1	459.4		M	M	M	0.	0.	0.	170501	170515	40150143004	FIELD	241329000
03232	288	00094	170821	01	1	444.5		M	M	M	0.	0.	0.	170801	170821	40155549006	FIELD	241329000
03232	288	00094	171115	01	1	460.1		M	M	M	0.	0.	0.	171101	171115	40161125005	FIELD	241329000
03232	288	00094	180516	01	1	431		M	M	M	0.	0.	0.	180501	180516	AE27551	FCOND25	241329000
03232	288	00094	181115	01	1	441		M	M	M	0.	0.	0.	181101	181115	AE31852	FCOND25	241329000
03232	288	00094	190508	01	1	440.7		M	M	M	0.	0.	0.	190501	190508	AE37957	FCOND25	241329000
03232	288	00094	191105	01	1	461		M	M	M	0.	0.	0.	191101	191105	AE41845	FCOND25	241329000
03232	288	00094	200504	01	1	418.2		M	M	M	0.	0.	0.	200501	200504	AE45605	FCOND25	241329000
03232	288	00094	201110	01	1	436.54		M	M	M	0.	0.	0.	201101	201110	AE49638	FCOND25	241329000
03232	288	00094	210511	01	1	419.53		M	M	M	0.	0.	0.	210501	210511	AE53145	FCOND25	241329000
03232	288	00094	211109	01	1	427		M	M	M	0.	0.	0.	211101	211109	AE57089	FCOND25	241329000
03232	288	00094	220505	01	1	487.78		M	M	M	0.	0.	0.	220501	220505	AE60499	FCOND25	241329000
03232	288	00094	221107	01	1	450		M	M	M	0.	0.	0.	221101	221107	AE63525	FCOND25	241329000
03232	288	00094	230608	01	1	416		M	M	M	0.	0.	0.	230601	230608	AE67101	FCOND25	241329000
03232	288	00094	230713	01	1	485		M	M	M	0.	0.	0.	230701	230713	AE67710	FCOND25	241329000
03232	288	00094	230814	01	1	367		M	M	M	0.	0.	0.	230801	230814	AE68270	FCOND25	241329000
03232	288	00094	230927	01	1	414		M	M	M	0.	0.	0.	230901	230927	40268803005	field	241329000
03232	288	00400	151111	01	1	8		M	M	M	0.1	0.1	0.1	151101	151111	40124666002	FIELD	241329000
03232	288	00400	160216	01	1	8		M	M	M	0.1	0.1	0.1	160201	160216	40128456002	FIELD	241329000
03232	288	00400	160511	01	1	7.9		M	M	M	0.1	0.1	0.1	160501	160511	40132272006	FIELD	241329000
03232	288	00400	160830	01	1	8		M	M	M	0.1	0.1	0.1	160801	160830	40137606001	FIELD	241329000
03232	288	00400	161114	01	1	8		M	M	M	0.1	0.1	0.1	161101	161114	40142064006	FIELD	241329000
03232	288	00400	170208	01	1	8.17		M	M	M	0.1	0.1	0.1	170201	170208	40145548001	FIELD	241329000
03232	288	00400	170515	01	1	7.99		M	M	M	0.1	0.1	0.1	170501	170515	40150143004	FIELD	241329000
03232	288	00400	170821	01	1	7.46		M	M	M	0.1	0.1	0.1	170801	170821	40155549006	FIELD	241329000
03232	288	00400	171115	01	1	7.86		M	M	M	0.1	0.1	0.1	171101	171115	40161125005	FIELD	241329000
03232	288	00400	180516	01	1	7.7		M	M	M	0.1	0.1	0.1	180501	180516	AE27551	FieldPH	241329000
03232	288	00400	181115	01	1	7.8		M	M	M	0.1	0.1	0.1	181101	181115	AE31852	FieldPH	241329000

03232	288	00400	190508	01	1	7.96		M	M	M	0.1	0.1	0.1	190501	190508	AE37957	FieldPH	241329000
03232	288	00400	191105	01	1	7.8		M	M	M	0.1	0.1	0.1	191101	191105	AE41845	FieldPH	241329000
03232	288	00400	200504	01	1	7.9		M	M	M	0.1	0.1	0.1	200501	200504	AE45605	FieldPH	241329000
03232	288	00400	201110	01	1	7.94		M	M	M	0.1	0.1	0.1	201101	201110	AE49638	FieldPH	241329000
03232	288	00400	210511	01	1	8		M	M	M	0.1	0.1	0.1	210501	210511	AE53145	FieldPH	241329000
03232	288	00400	211109	01	1	7.9		M	M	M	0.1	0.1	0.1	211101	211109	AE57089	FieldPH	241329000
03232	288	00400	220505	01	1	7.79		M	M	M	0.1	0.1	0.1	220501	220505	AE60499	FieldPH	241329000
03232	288	00400	221107	01	1	7.7		M	M	M	0.1	0.1	0.1	221101	221107	AE63525	FieldPH	241329000
03232	288	00400	230608	01	1	7.8		M	M	M	0.1	0.1	0.1	230601	230608	AE67101	FieldPH	241329000
03232	288	00400	230713	01	1	7.6		M	M	M	0.1	0.1	0.1	230701	230713	AE67710	FieldPH	241329000
03232	288	00400	230814	01	1	8.6		M	M	M	0.1	0.1	0.1	230801	230814	AE68270	FieldPH	241329000
03232	288	00400	230927	01	1	7.89		M	M	M	0.	0.	0.	230901	230927	40268803005	field	241329000
03232	288	00410	170515	01	1	224		M	M	M	5.	10.	10.	170501	170523	40150143004	SM 2320B	241329000
03232	288	00410	170821	01	1	235		M	M	M	5.	10.	10.	170801	170829	40155549006	SM 2320B	405132750
03232	288	00410	191105	01	1	230		M	M	M	5.	17.	17.	191101	191114	AE41845	Std Mtd 2320B	241329000
03232	288	00410	201110	01	1	230		M	M	M	5.	17.	17.	201101	201119	AE49638	Std Mtd 2320B	241329000
03232	288	00410	211109	01	1	223		M	M	M	5.	10.	10.	211101	211119	AE57089	Std Mtd 2320B	405132750
03232	288	00410	221107	01	1	227		M	M	M	5.	10.	10.	221101	221116	AE63525	Std Mtd 2320B	405132750
03232	288	00630	221107	01	1		N	M	M	M	0.021	0.1	0.1	221101	221111	AE63525	EPA 353.2	405132750
03232	288	00630	230608	01	1	1.4		M	M	M	0.011	0.036	0.036	230601	230612	AE67101	EPA 353.2	405132750
03232	288	00630	230713	01	1	1.5		M	M	M	0.011	0.036	0.036	230701	230717	AE67710	EPA 353.2	405132750
03232	288	00630	230814	01	1	1.98		M	M	M	0.011	0.036	0.036	230801	230816	AE68270	EPA 353.2	405132750
03232	288	00900	221107	01	1	136		M	M	M	10.	54.	54.	221101	221118	AE63525	Std Mtd 2340B	405132750
03232	288	00900	230608	01	1	131		M	M	M	1.	3.333	3.333	230601	230620	AE67101	Std Mtd 2340B	241329000
03232	288	00900	230713	01	1	136		M	M	M	1.	5.4	5.4	230701	230721	AE67710	Std Mtd 2340B	241329000
03232	288	00900	230814	01	1	134		M	M	M	1.	5.4	5.4	230801	230818	AE68270	Std Mtd 2340B	241329000
03232	288	00916	151111	01	1	27.2		M	M	M	0.0235	1.	1.	151101	151117	40124666002	EPA 200.7	241329000
03232	288	00916	160216	01	1	24.9		M	M	M	0.0235	1.	1.	160201	160310	40128456002	EPA 200.7	241329000
03232	288	00916	160511	01	1	26.7		M	M	M	0.0235	1.	1.	160501	160518	40132272006	EPA 200.7	241329000
03232	288	00916	160830	01	1	28.1		M	M	M	0.0235	1.	1.	160801	160902	40137606001	EPA 200.7	241329000
03232	288	00916	161114	01	1	26.5		M	M	M	0.0977	0.5	0.5	161101	161122	40142064006	EPA 200.7	241329000
03232	288	00916	170208	01	1	26.3		M	M	M	0.0977	0.5	0.5	170201	170214	40145548001	EPA 200.7	241329000
03232	288	00916	170515	01	1	25.1		M	M	M	0.0977	0.5	0.5	170501	170523	40150143004	EPA 200.7	241329000
03232	288	00916	170821	01	1	27.3		M	M	M	0.0977	0.5	0.5	170801	170830	40155549006	EPA 200.7	405132750
03232	288	00916	171115	01	1	27.4		M	M	M	0.0977	0.5	0.5	171101	171201	40161125005	EPA 200.7	241329000
03232	288	00916	180516	01	1	27		M	M	M	0.017	0.058	0.058	180501	180518	AE27551	EPA 200.7	241329000
03232	288	00916	181115	01	1	26		M	M	M	0.017	0.058	0.058	181101	181128	AE31852	EPA 200.7	241329000
03232	288	00916	190508	01	1	27		M	M	M	0.017	0.058	0.058	190501	190514	AE37957	EPA 200.7	241329000
03232	288	00916	191105	01	1	25		M	M	M	0.027	0.089	0.089	191101	191120	AE41845	EPA 200.7	241329000
03232	288	00916	200504	01	1	27.6		M	M	M	0.114	0.5	0.5	200501	200519	AE45605	EPA 200.7	241329000
03232	288	00916	201110	01	1	27.6		M	M	M	0.114	0.5	0.5	201101	201117	AE49638	EPA 200.7	405132750
03232	288	00916	210511	01	1	28.6		M	M	M	0.114	0.5	0.5	210501	210518	AE53145	EPA 200.7	405132750
03232	288	00916	211109	01	1	27.1		M	M	M	0.114	0.5	0.5	211101	211116	AE57089	EPA 200.7	405132750
03232	288	00916	220505	01	1	28.4		M	M	M	0.0762	0.254	0.254	220501		AE60499	EPA 200.7	405132750
03232	288	00916	221107	01	1	26		M	M	M	1.14	5.	5.	221101	221118	AE63525	EPA 200.7	405132750
03232	288	00916	230608	01	1	25.3		M	M	M	0.55	1.9	1.9	230601	230620	AE67101	EPA 200.7	241329000
03232	288	00916	230713	01	1	26.3		M	M	M	0.11	0.5	0.5	230701	230721	AE67710	EPA 200.7	241329000
03232	288	00916	230814	01	1	26.7		M	M	M	0.114	0.5	0.5	230801	230818	AE68270	EPA 200.7	241329000
03232	288	00940	151111	01	1	4.6		M	M	M	2.	4.	4.	151101	151128	40124666002	EPA 300.0	241329000
03232	288	00940	160216	01	1	5		M	M	M	2.	4.	4.	160201	160224	40128456002	EPA 300.0	241329000
03232	288	00940	160511	01	1	4.9		M	M	M	2.	4.	4.	160501	160525	40132272006	EPA 300.0	241329000
03232	288	00940	160830	01	1	4.1		M	M	M	2.	4.	4.	160801	160907	40137606001	EPA 300.0	241329000
03232	288	00940	161114	01	1	4.1		M	M	M	0.5	2.	2.	161101	161206	40142064006	EPA 300.0	241329000
03232	288	00940	170208	01	1	4		M	M	M	0.5	2.	2.	170201	170223	40145548001	EPA 300.0	241329000
03232	288	00940	170515	01	1	3.8		M	M	M	0.5	2.	2.	170501	170609	40150143004	EPA 300.0	241329000
03232	288	00940	170821	01	1	3.8		M	M	M	0.5	2.	2.	170801	170906	40155549006	EPA 300.0	405132750
03232	288	00940	171115	01	1	4.1		M	M	M	0.5	2.	2.	171101	171214	40161125005	EPA 300.0	241329000
03232	288	00940	180516	01	1	3.5		M	M	M	0.43	1.4	1.4	180501	180521	AE27551	EPA 300.0	241329000
03232	288	00940	181115	01	1	3.5		M	M	M	0.21	0.7	0.7	181101	181126	AE31852	EPA 300.0	241329000
03232	288	00940	190508	01	1	3.7		M	M	M	0.21	0.7	0.7	190501	190522	AE37957	EPA 300.0	241329000
03232	288	00940	191105	01	1	3.5		M	M	M	0.18	0.6	0.6	191101	191113	AE41845	EPA 300.0	241329000
03232	288	00940	200504	01	1	3.6		M	M	M	0.002	0.006	0.006	200501	200513	AE45605	EPA 300.0	241329000

03232	288	00940	201110	01	1	3.7		M	M	M	0.046	0.154	0.154	201101	201119	AE49638	EPA 300.0	241329000
03232	288	00940	210511	01	1	3.8		M	M	M	0.43	2.	2.	210501	210602	AE53145	EPA 300.0	405132750
03232	288	00940	211109	01	1	3.8		M	M	M	0.43	2.	2.	211101	211206	AE57089	EPA 300.0	405132750
03232	288	00940	220505	01	1		N	M	M	M	2.2	10.	10.	220501	220518	AE60499	EPA 300.0	405132750
03232	288	00940	221107	01	1	3.8		M	M	M	0.43	2.	2.	221101	221111	AE63525	EPA 300.0	405132750
03232	288	00945	151111	01	1	2.3	J	M	M	M	2.	4.	4.	151101	151128	40124666002	EPA 300.0	241329000
03232	288	00945	160216	01	1	3	J	M	M	M	2.	4.	4.	160201	160224	40128456002	EPA 300.0	241329000
03232	288	00945	160511	01	1	2.6	J	M	M	M	2.	4.	4.	160501	160525	40132272006	EPA 300.0	241329000
03232	288	00945	160830	01	1		N	M	M	M	2.	4.	4.	160801	160907	40137606001	EPA 300.0	241329000
03232	288	00945	161114	01	1		N	M	M	M	1.	3.	3.	161101	161206	40142064006	EPA 300.0	241329000
03232	288	00945	170208	01	1	1.3	J	M	M	M	1.	3.	3.	170201	170223	40145548001	EPA 300.0	241329000
03232	288	00945	170515	01	1		N	M	M	M	1.	3.	3.	170501	170609	40150143004	EPA 300.0	241329000
03232	288	00945	170821	01	1		N	M	M	M	1.	3.	3.	170801	170906	40155549006	EPA 300.0	405132750
03232	288	00945	171115	01	1		N	M	M	M	1.	3.	3.	171101	171214	40161125005	EPA 300.0	241329000
03232	288	00945	180516	01	1	0.62		M	M	M	0.14	0.47	0.47	180501	180521	AE27551	EPA 300.0	241329000
03232	288	00945	181115	01	1	0.56		M	M	M	0.11	0.37	0.37	181101	181126	AE31852	EPA 300.0	241329000
03232	288	00945	190508	01	1	2.5		M	M	M	0.11	0.37	0.37	190501	190522	AE37957	EPA 300.0	241329000
03232	288	00945	191105	01	1		N	M	M	M	0.14	0.48	0.48	191101	191113	AE41845	EPA 300.0	241329000
03232	288	00945	200504	01	1	0.74		M	M	M	0.031	0.04	0.04	200501	200513	AE45605	EPA 300.0	241329000
03232	288	00945	201110	01	1	0.38	J	M	M	M	0.154	0.514	0.514	201101	201119	AE49638	EPA 300.0	241329000
03232	288	00945	210511	01	1		N	M	M	M	0.44	2.	2.	210501	210602	AE53145	EPA 300.0	405132750
03232	288	00945	211109	01	1		N	M	M	M	0.44	2.	2.	211101	211207	AE57089	EPA 300.0	405132750
03232	288	00945	220505	01	1		N	M	M	M	2.2	10.	10.	220501	220518	AE60499	EPA 300.0	405132750
03232	288	00945	221107	01	1	0.47	J	M	M	M	0.44	2.	2.	221101	221111	AE63525	EPA 300.0	405132750
03232	288	00951	151111	01	1	0.9		M	M	M	0.2	0.4	0.4	151101	151128	40124666002	EPA 300.0	241329000
03232	288	00951	160216	01	1	0.9		M	M	M	0.2	0.4	0.4	160201	160224	40128456002	EPA 300.0	241329000
03232	288	00951	160511	01	1	0.98		M	M	M	0.2	0.4	0.4	160501	160525	40132272006	EPA 300.0	241329000
03232	288	00951	160830	01	1	0.9		M	M	M	0.2	0.4	0.4	160801	160907	40137606001	EPA 300.0	241329000
03232	288	00951	161114	01	1	0.99		M	M	M	0.1	0.3	0.3	161101	161206	40142064006	EPA 300.0	241329000
03232	288	00951	170208	01	1	0.93		M	M	M	0.1	0.3	0.3	170201	170223	40145548001	EPA 300.0	241329000
03232	288	00951	170515	01	1	0.95		M	M	M	0.1	0.3	0.3	170501	170609	40150143004	EPA 300.0	241329000
03232	288	00951	170821	01	1	0.92		M	M	M	0.1	0.3	0.3	170801	170906	40155549006	EPA 300.0	405132750
03232	288	00951	171115	01	1	1		M	M	M	0.1	0.3	0.3	171101	171214	40161125005	EPA 300.0	241329000
03232	288	00951	180516	01	1	0.85		M	M	M	0.05	0.17	0.17	180501	180521	AE27551	EPA 300.0	241329000
03232	288	00951	181115	01	1	0.82		M	M	M	0.04	0.13	0.13	181101	181126	AE31852	EPA 300.0	241329000
03232	288	00951	190508	01	1	0.97		M	M	M	0.04	0.13	0.13	190501	190522	AE37957	EPA 300.0	241329000
03232	288	00951	191105	01	1	0.88		M	M	M	0.07	0.22	0.22	191101	191113	AE41845	EPA 300.0	241329000
03232	288	00951	200504	01	1	0.91		M	M	M	0.007	0.023	0.023	200501	200513	AE45605	EPA 300.0	241329000
03232	288	00951	201110	01	1	1		M	M	M	0.008	0.026	0.026	201101	201119	AE49638	EPA 300.0	241329000
03232	288	00951	210511	01	1	0.92		M	M	M	0.095	0.32	0.32	210501	210602	AE53145	EPA 300.0	405132750
03232	288	00951	211109	01	1	0.97		M	M	M	0.095	0.32	0.32	211101	211206	AE57089	EPA 300.0	405132750
03232	288	00951	220505	01	1		N	M	M	M	0.48	1.6	1.6	220501	220518	AE60499	EPA 300.0	405132750
03232	288	00951	221107	01	1	0.96		M	M	M	0.095	0.32	0.32	221101	221111	AE63525	EPA 300.0	405132750
03232	288	01002	151111	01	1	0.74		M	M	M	0.11	0.38	0.38	151101		40124666002	EPA 200.8	241329000
03232	288	01002	160216	01	1	0.72	J	M	M	M	0.099	1.	1.	160201		40128456002	EPA 200.8	241329000
03232	288	01002	160511	01	1	0.79	J	M	M	M	0.099	1.	1.	160501		40132272006	EPA 200.8	241329000
03232	288	01002	160830	01	1	1.5		M	M	M	0.099	1.	1.	160801		40137606001	EPA 200.8	241329000
03232	288	01002	161114	01	1	0.54	J	M	M	M	0.099	1.	1.	161101		40142064006	EPA 200.8	241329000
03232	288	01002	170208	01	1	0.48	J	M	M	M	0.099	1.	1.	170201		40145548001	EPA 200.8	241329000
03232	288	01002	170515	01	1	0.63	J	M	M	M	0.099	1.	1.	170501		40150143004	EPA 200.8	241329000
03232	288	01002	170821	01	1	0.67	J	M	M	M	0.28	1.	1.	170801		40155549006	EPA 200.8	405132750
03232	288	01007	151111	01	1	56.9		M	M	M	1.7	5.	5.	151101		40124666002	EPA 200.7	241329000
03232	288	01007	160216	01	1	52.2		M	M	M	1.7	5.	5.	160201		40128456002	EPA 200.7	241329000
03232	288	01007	160511	01	1	57		M	M	M	1.7	5.	5.	160501		40132272006	EPA 200.7	241329000
03232	288	01007	160830	01	1	67.8		M	M	M	1.7	5.	5.	160801		40137606001	EPA 200.7	241329000
03232	288	01007	161114	01	1	73.1		M	M	M	1.5	5.	5.	161101		40142064006	EPA 200.7	241329000
03232	288	01007	170208	01	1	81.4		M	M	M	1.5	5.	5.	170201		40145548001	EPA 200.7	241329000
03232	288	01007	170515	01	1	87.8		M	M	M	1.5	5.	5.	170501		40150143004	EPA 200.7	241329000
03232	288	01007	170821	01	1	104		M	M	M	1.5	5.	5.	170801		40155549006	EPA 200.7	405132750
03232	288	01012	151111	01	1		N	M	M	M	0.68	4.	4.	151101		40124666002	EPA 200.7	241329000
03232	288	01012	160216	01	1		N	M	M	M	0.68	4.	4.	160201		40128456002	EPA 200.7	241329000
03232	288	01012	160511	01	1		N	M	M	M	0.68	4.	4.	160501		40132272006	EPA 200.7	241329000

03232	288	01012	160830	01	1		N	M	M	M	0.68	4.	4.	160801		40137606001	EPA 200.7	241329000
03232	288	01012	161114	01	1		N	M	M	M	1.2	4.	4.	161101		40142064006	EPA 200.7	241329000
03232	288	01012	170208	01	1		N	M	M	M	1.2	4.	4.	170201	170208	40145548001	EPA 200.7	241329000
03232	288	01012	170515	01	1		N	M	M	M	1.2	4.	4.	170501		40150143004	EPA 200.7	241329000
03232	288	01012	170821	01	1		N	M	M	M	1.2	4.	4.	170801		40155549006	EPA 200.7	405132750
03232	288	01022	151111	01	1	0.349		M	M	M	0.0028	0.019	0.019	151101	151117	40124666002	EPA 200.7	241329000
03232	288	01022	160216	01	1	0.373		M	M	M	0.0028	0.019	0.019	160201	160310	40128456002	EPA 200.7	241329000
03232	288	01022	160511	01	1	0.385		M	M	M	0.0028	0.019	0.019	160501	160518	40132272006	EPA 200.7	241329000
03232	288	01022	160830	01	1	0.344		M	M	M	0.0028	0.019	0.019	160801	160902	40137606001	EPA 200.7	241329000
03232	288	01022	161114	01	1	0.357		M	M	M	0.0067	0.04	0.04	161101	161122	40142064006	EPA 200.7	241329000
03232	288	01022	170208	01	1	0.35		M	M	M	0.0067	0.04	0.04	170201	170214	40145548001	EPA 200.7	241329000
03232	288	01022	170515	01	1	0.36		M	M	M	0.0067	0.04	0.04	170501	170523	40150143004	EPA 200.7	241329000
03232	288	01022	170821	01	1	0.36		M	M	M	0.0067	0.04	0.04	170801	170830	40155549006	EPA 200.7	405132750
03232	288	01022	171115	01	1	0.37		M	M	M	0.0067	0.04	0.04	171101	171201	40161125005	EPA 200.7	241329000
03232	288	01022	180516	01	1	0.39		M	M	M	0.0023	0.0075	0.0075	180501	180518	AE27551	EPA 200.7	241329000
03232	288	01022	181115	01	1	0.39		M	M	M	0.0023	0.0075	0.0075	181101	181128	AE31852	EPA 200.7	241329000
03232	288	01022	190508	01	1	0.38		M	M	M	0.0023	0.0075	0.0075	190501	190514	AE37957	EPA 200.7	241329000
03232	288	01022	191105	01	1	0.37		M	M	M	0.0045	0.015	0.015	191101	191120	AE41845	EPA 200.7	241329000
03232	288	01022	200504	01	1	0.403		M	M	M	0.0173	0.0577	0.0577	200501	200519	AE45605	EPA 200.7	241329000
03232	288	01022	201110	01	1	0.4		M	M	M	0.0173	0.04	0.04	201101	201117	AE49638	EPA 200.7	405132750
03232	288	01022	210511	01	1	0.416		M	M	M	0.0173	0.04	0.04	210501		AE53145	EPA 200.7	405132750
03232	288	01022	211109	01	1	0.377		M	M	M	0.0173	0.04	0.04	211101	211116	AE57089	EPA 200.7	405132750
03232	288	01022	220505	01	1	0.37		M	M	M	0.003	0.01	0.01	220501	220520	AE60499	EPA 200.7	405132750
03232	288	01022	221107	01	1	0.386		M	M	M	0.0173	0.04	0.04	221101	221117	AE63525	EPA 200.7	405132750
03232	288	01027	151111	01	1		N	M	M	M	1.	5.	5.	151101		40124666002	EPA 200.7	241329000
03232	288	01027	160216	01	1		N	M	M	M	1.	5.	5.	160201		40128456002	EPA 200.7	241329000
03232	288	01027	160511	01	1		N	M	M	M	1.	5.	5.	160501		40132272006	EPA 200.7	241329000
03232	288	01027	160830	01	1		N	M	M	M	1.	5.	5.	160801		40137606001	EPA 200.7	241329000
03232	288	01027	161114	01	1		N	M	M	M	1.3	5.	5.	161101	161114	40142064006	EPA 200.7	241329000
03232	288	01027	170208	01	1		N	M	M	M	1.3	5.	5.	170201	170223	40145548001	EPA 200.7	241329000
03232	288	01027	170515	01	1		N	M	M	M	1.3	5.	5.	170501		40150143004	EPA 200.7	241329000
03232	288	01027	170821	01	1		N	M	M	M	1.3	5.	5.	170801		40155549006	EPA 200.7	405132750
03232	288	01034	151111	01	1		N	M	M	M	1.5	5.	5.	151101		40124666002	EPA 200.7	241329000
03232	288	01034	160216	01	1		N	M	M	M	1.5	5.	5.	160201		40128456002	EPA 200.7	241329000
03232	288	01034	160511	01	1		N	M	M	M	1.5	5.	5.	160501		40132272006	EPA 200.7	241329000
03232	288	01034	160830	01	1		N	M	M	M	1.5	5.	5.	160801		40137606001	EPA 200.7	241329000
03232	288	01034	161114	01	1		N	M	M	M	2.5	10.	10.	161101		40142064006	EPA 200.7	241329000
03232	288	01034	170208	01	1		N	M	M	M	2.5	10.	10.	170201		40145548001	EPA 200.7	241329000
03232	288	01034	170515	01	1		N	M	M	M	2.5	10.	10.	170501		40150143004	EPA 200.7	241329000
03232	288	01034	170821	01	1		N	M	M	M	2.5	10.	10.	170801		40155549006	EPA 200.7	405132750
03232	288	01037	151111	01	1		N	M	M	M	1.3	5.	5.	151101		40124666002	EPA 200.7	241329000
03232	288	01037	160216	01	1		N	M	M	M	1.3	5.	5.	160201		40128456002	EPA 200.7	241329000
03232	288	01037	160511	01	1		N	M	M	M	1.3	5.	5.	160501		40132272006	EPA 200.7	241329000
03232	288	01037	160830	01	1		N	M	M	M	1.3	5.	5.	160801		40137606001	EPA 200.7	241329000
03232	288	01037	161114	01	1		N	M	M	M	1.4	5.	5.	161101		40142064006	EPA 200.7	241329000
03232	288	01037	170208	01	1		N	M	M	M	1.4	5.	5.	170201		40145548001	EPA 200.7	241329000
03232	288	01037	170515	01	1		N	M	M	M	1.4	5.	5.	170501		40150143004	EPA 200.7	241329000
03232	288	01037	170821	01	1		N	M	M	M	1.4	5.	5.	170801	170830	40155549006	EPA 200.7	405132750
03232	288	01042	221107	01	1		N	M	M	M	3.4	10.	10.	221101	221117	AE63525	EPA 200.7	405132750
03232	288	01042	230608	01	1		N	M	M	M	4.	10.	10.	230601	230619	AE67101	EPA 200.7	241329000
03232	288	01042	230713	01	1		N	M	M	M	3.4	10.	10.	230701	230721	AE67710	EPA 200.7	241329000
03232	288	01042	230814	01	1		N	M	M	M	3.4	10.	10.	230801	230818	AE68270	EPA 200.7	241329000
03232	288	01051	151111	01	1	0.058	J	M	M	M	0.033	0.11	0.11	151101		40124666002	EPA 200.8	241329000
03232	288	01051	160216	01	1	0.081	J	M	M	M	0.04	1.	1.	160201		40128456002	EPA 200.8	241329000
03232	288	01051	160511	01	1		N	M	M	M	0.04	1.	1.	160501		40132272006	EPA 200.8	241329000
03232	288	01051	160830	01	1	0.85	J	M	M	M	0.04	1.	1.	160801		40137606001	EPA 200.8	241329000
03232	288	01051	161114	01	1		N	M	M	M	0.04	1.	1.	161101		40142064006	EPA 200.8	241329000
03232	288	01051	170208	01	1		N	M	M	M	0.04	1.	1.	170201		40145548001	EPA 200.8	241329000
03232	288	01051	170515	01	1	0.072	J	M	M	M	0.04	1.	1.	170501		40150143004	EPA 200.8	241329000
03232	288	01051	170821	01	1	0.28	J	M	M	M	0.2	1.	1.	170801		40155549006	EPA 200.8	405132750
03232	288	01055	230608	01	1	10		M	M	M	4.	10.	10.	230601	230620	AE67101	EPA 200.7	241329000
03232	288	01055	230713	01	1	13.8		M	M	M	1.5	5.	5.	230701	230721	AE67710	EPA 200.7	241329000

03232	288	01055	230814	01	1	15.3		M	M	M	1.5	5.	5.	230801	230818	AE68270	EPA 200.7	241329000
03232	288	01055	230927	01	1	12.9		M	M	M	1.5	5.	5.	230901	231003	40268803005	EPA 200.7	405132750
03232	288	01059	151111	01	1	0.036	J	M	M	M	0.018	0.06	0.06	151101		40124666002	EPA 200.8	241329000
03232	288	01059	160216	01	1		N	M	M	M	0.14	1.	1.	160201		40128456002	EPA 200.8	241329000
03232	288	01059	160511	01	1		N	M	M	M	0.14	1.	1.	160501		40132272006	EPA 200.8	241329000
03232	288	01059	160830	01	1	1.3		M	M	M	0.14	1.	1.	160801		40137606001	EPA 200.8	241329000
03232	288	01059	161114	01	1		N	M	M	M	0.14	1.	1.	161101		40142064006	EPA 200.8	241329000
03232	288	01059	170208	01	1	0.17	J	M	M	M	0.14	1.	1.	170201		40145548001	EPA 200.8	241329000
03232	288	01059	170515	01	1		N	M	M	M	0.14	1.	1.	170501		40150143004	EPA 200.8	241329000
03232	288	01059	170821	01	1	0.28	J	M	M	M	0.14	1.	1.	170801		40155549006	EPA 200.8	405132750
03232	288	01062	151111	01	1		N	M	M	M	2.5	20.	20.	151101		40124666002	EPA 200.7	241329000
03232	288	01062	160216	01	1		N	M	M	M	2.5	20.	20.	160201		40128456002	EPA 200.7	241329000
03232	288	01062	160511	01	1		N	M	M	M	2.5	20.	20.	160501		40132272006	EPA 200.7	241329000
03232	288	01062	160830	01	1		N	M	M	M	2.5	20.	20.	160801		40137606001	EPA 200.7	241329000
03232	288	01062	161114	01	1		N	M	M	M	1.4	10.	10.	161101		40142064006	EPA 200.7	241329000
03232	288	01062	170208	01	1	1.5	J	M	M	M	1.4	10.	10.	170201		40145548001	EPA 200.7	241329000
03232	288	01062	170515	01	1	1.5	J	M	M	M	1.4	10.	10.	170501	170523	40150143004	EPA 200.7	241329000
03232	288	01062	170821	01	1		N	M	M	M	1.4	10.	10.	170801	170830	40155549006	EPA 200.7	405132750
03232	288	01077	221107	01	1		N	M	M	M	3.2	10.	10.	221101	221117	AE63525	EPA 200.7	405132750
03232	288	01077	230608	01	1		N	M	M	M	20.	70.	70.	230601	230615	AE67101	EPA 200.7	241329000
03232	288	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67710	EPA 200.7	241329000
03232	288	01077	230814	01	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68270	EPA 200.7	241329000
03232	288	01092	221107	01	1		N	M	M	M	11.6	40.	40.	221101	221117	AE63525	EPA 200.7	405132750
03232	288	01092	230608	01	1		N	M	M	M	60.	200.	200.	230601	230619	AE67101	EPA 200.7	241329000
03232	288	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67710	EPA 200.7	241329000
03232	288	01092	230814	01	1		N	M	M	M	11.6	40.	40.	230801	230818	AE68270	EPA 200.7	241329000
03232	288	01097	151111	01	1	0.067	J	M	M	M	0.066	0.22	0.22	151101		40124666002	EPA 200.8	241329000
03232	288	01097	160216	01	1	0.12	J	M	M	M	0.073	1.	1.	160201		40128456002	EPA 200.8	241329000
03232	288	01097	160511	01	1		N	M	M	M	0.073	1.	1.	160501		40132272006	EPA 200.8	241329000
03232	288	01097	160830	01	1	0.91	J	M	M	M	0.073	1.	1.	160801		40137606001	EPA 200.8	241329000
03232	288	01097	161114	01	1		N	M	M	M	0.073	1.	1.	161101		40142064006	EPA 200.8	241329000
03232	288	01097	170208	01	1	0.11	J	M	M	M	0.073	1.	1.	170201		40145548001	EPA 200.8	241329000
03232	288	01097	170515	01	1		N	M	M	M	0.073	1.	1.	170501		40150143004	EPA 200.8	241329000
03232	288	01097	170821	01	1	0.24	J	M	M	M	0.15	1.	1.	170801		40155549006	EPA 200.8	405132750
03232	288	01132	151111	01	1	5		M	M	M	0.13	0.42	0.42	151101		40124666002	EPA 200.8	241329000
03232	288	01132	160216	01	1	5		M	M	M	0.11	1.	1.	160201	160224	40128456002	EPA 200.8	241329000
03232	288	01132	160511	01	1	4.9		M	M	M	0.11	1.	1.	160501	160525	40132272006	EPA 200.8	241329000
03232	288	01132	160830	01	1	5.5		M	M	M	0.11	1.	1.	160801		40137606001	EPA 200.8	241329000
03232	288	01132	161114	01	1	5.9		M	M	M	0.11	1.	1.	161101		40142064006	EPA 200.8	241329000
03232	288	01132	170208	01	1	6.2		M	M	M	0.11	1.	1.	170201		40145548001	EPA 200.8	241329000
03232	288	01132	170515	01	1	6.3		M	M	M	0.11	1.	1.	170501		40150143004	EPA 200.8	241329000
03232	288	01132	170821	01	1	6.9		M	M	M	0.14	1.	1.	170801		40155549006	EPA 200.8	405132750
03232	288	01147	151111	01	1		N	M	M	M	0.16	0.53	0.53	151101		40124666002	EPA 200.8	241329000
03232	288	01147	160216	01	1		N	M	M	M	0.21	1.	1.	160201		40128456002	EPA 200.8	241329000
03232	288	01147	160511	01	1		N	M	M	M	0.21	1.	1.	160501		40132272006	EPA 200.8	241329000
03232	288	01147	160830	01	1	0.77	J	M	M	M	0.21	1.	1.	160801		40137606001	EPA 200.8	241329000
03232	288	01147	161114	01	1		N	M	M	M	0.21	1.	1.	161101		40142064006	EPA 200.8	241329000
03232	288	01147	170208	01	1		N	M	M	M	0.21	1.	1.	170201		40145548001	EPA 200.8	241329000
03232	288	01147	170515	01	1		N	M	M	M	0.21	1.	1.	170501		40150143004	EPA 200.8	241329000
03232	288	01147	170821	01	1		N	M	M	M	0.32	1.1	1.1	170801		40155549006	EPA 200.8	405132750
03232	288	04189	151111	01	1	649.82		M	M	M	0.	0.	0.	151101		40124666002	Calculated	405132750
03232	288	04189	160216	01	1	655.05		M	M	M	0.	0.	0.	160201		40128456002	Calculated	405132750
03232	288	04189	160511	01	1	653.98		M	M	M	0.	0.	0.	160501		40132272006	Calculated	405132750
03232	288	04189	160830	01	1	647.2		M	M	M	0.	0.	0.	160801		40137606001	Calculated	405132750
03232	288	04189	161114	01	1	652.06		M	M	M	0.	0.	0.	161101		40142064006	Calculated	405132750
03232	288	04189	170208	01	1	655.48		M	M	M	0.	0.	0.	170201		40145548001	Calculated	405132750
03232	288	04189	170515	01	1	656.09		M	M	M	0.	0.	0.	170501		40150143004	Calculated	405132750
03232	288	04189	170821	01	1	653.52		M	M	M	0.	0.	0.	170801		UNKNOWN	Calculated	405132750
03232	288	04189	171115	01	1	654.33		M	M	M	0.	0.	0.	171101		40161125005	calculated	241329000
03232	288	04189	180516	01	1	657.01		M	M	M	0.	0.	0.	180501		AE27551	Calculated	241329000
03232	288	04189	181115	01	1	656.87		M	M	M	0.	0.	0.	181101		AE31852	calculated	241329000
03232	288	04189	190508	01	1	658.03		M	M	M	0.	0.	0.	190501		AE37957	calculated	241329000

03232	288	04189	191105	01	1	657.78		M	M	M	0.	0.	0.	191101		AE41845	calculated	241329000
03232	288	04189	200504	01	1	658.13		M	M	M	0.	0.	0.	200501		AE45605	calculated	241329000
03232	288	04189	201110	01	1	655.93		M	M	M	0.	0.	0.	201101		AE49638	calculated	241329000
03232	288	04189	210511	01	1	656.9		M	M	M	0.	0.	0.	210501		AE53145	calculated	241329000
03232	288	04189	211109	01	1	653.61		M	M	M	0.	0.	0.	211101		AE57089	calculated	241329000
03232	288	04189	220505	01	1	657.06		M	M	M	0.	0.	0.	220501		AE60499	calculated	241329000
03232	288	04189	221107	01	1	655.11		M	M	M	0.	0.	0.	221101		AE63525	calculated	241329000
03232	288	04189	230608	01	1	655.06		M	M	M	0.	0.	0.	230601		AE67101	calculated	241329000
03232	288	04189	230713	01	1	653.42		M	M	M	0.	0.	0.	230701		AE67710	calculated	241329000
03232	288	04189	230814	01	1	652.84		M	M	M	0.	0.	0.	230801		AE68270	calculated	241329000
03232	288	04189	230927	01	1	653.21		M	M	M	0.	0.	0.	230901		40268803005	calculated	241329000
03232	288	11503	151111	01	1	0.622		M	M	M	1.56	5.1995	5.1995	151101	160310	40124666002	Total Radium Cal	241329000
03232	288	11503	160216	01	1	0.206		M	M	M	0.	0.	0.	160201	160310	40128456002	Total Radium Cal	241329000
03232	288	11503	160511	01	1	0.501		M	M	M	1.57	5.2328	5.2328	160501	160610	40132272006	Total Radium Cal	241329000
03232	288	11503	160830	01	1	0.908		M	M	M	0.	0.	0.	160801	160926	40137606001	Total Radium Cal	241329000
03232	288	11503	161114	01	1	0.534		M	M	M	0.	0.	0.	161101	161206	40142064006	Total Radium Cal	241329000
03232	288	11503	170208	01	1	0.215		M	M	M	0.	0.	0.	170201	170303	40145548001	Total Radium Cal	241329000
03232	288	11503	170515	01	1	1.01		M	M	M	1.12	3.733	3.733	170501	170613	40150143004	Total Radium Cal	241329000
03232	288	11503	170821	01	1	0.497		M	M	M	1.2	3.9996	3.9996	170801	170918	40155549006	Total Radium Cal	405132750
03232	288	70300	151111	01	1	254		M	M	M	8.7	28.9971	28.9971	151101	151117	40124666002	SM 2540C	241329000
03232	288	70300	160216	01	1	222		M	M	M	8.7	28.9971	28.9971	160201	160223	40128456002	SM 2540C	241329000
03232	288	70300	160511	01	1	224		M	M	M	8.7	28.9971	28.9971	160501	160518	40132272006	SM 2540C	241329000
03232	288	70300	160830	01	1	242		M	M	M	8.7	28.9971	28.9971	160801	160901	40137606001	SM 2540C	241329000
03232	288	70300	161114	01	1	238		M	M	M	8.7	28.9971	28.9971	161101	161117	40142064006	SM 2540C	241329000
03232	288	70300	170208	01	1	224		M	M	M	8.7	28.9971	28.9971	170201	170215	40145548001	SM 2540C	241329000
03232	288	70300	170515	01	1	236		M	M	M	8.7	28.9971	28.9971	170501	170522	40150143004	SM 2540C	241329000
03232	288	70300	170821	01	1	254		M	M	M	8.7	20.	20.	170801	170828	40155549006	SM 2540C	405132750
03232	288	70300	171115	01	1	244		M	M	M	8.7	20.	20.	171101	171121	40161125005	SM 2540C	241329000
03232	288	70300	180516	01	1	200		M	M	M	20.	66.66	66.66	180501	180518	AE27551	Std Mtd 2540 C	241329000
03232	288	70300	181115	01	1	130		M	M	M	20.	66.66	66.66	181101	181120	AE31852	Std Mtd 2540 C	241329000
03232	288	70300	190508	01	1	220		M	M	M	20.	66.66	66.66	190501	190514	AE37957	Std Mtd 2540 C	241329000
03232	288	70300	191105	01	1	190		M	M	M	20.	66.66	66.66	191101	191108	AE41845	Std Mtd 2540 C	241329000
03232	288	70300	200504	01	1	210		M	M	M	20.	66.66	66.66	200501	200507	AE45605	Std Mtd 2540 C	241329000
03232	288	70300	201110	01	1	220		M	M	M	20.	66.66	66.66	201101	201117	AE49638	Std Mtd 2540 C	241329000
03232	288	70300	210511	01	1	236		M	M	M	8.7	20.	20.	210501	210514	AE53145	Std Mtd 2540 C	405132750
03232	288	70300	211109	01	1	256		M	M	M	20.	66.66	66.66	211101	211116	AE57089	Std Mtd 2540 C	405132750
03232	288	70300	220505	01	1	198		M	M	M	8.7	20.	20.	220501	220511	AE60499	Std Mtd 2540 C	405132750
03232	288	70300	221107	01	1	280		M	M	M	8.7	20.	20.	221101	221114	AE63525	Std Mtd 2540 C	405132750
03232	288	71900	151111	01	1		N	M	M	M	0.1	0.2	0.2	151101		40124666002	EPA 245.1	241329000
03232	288	71900	160216	01	1		N	M	M	M	0.1	0.2	0.2	160201		40128456002	EPA 245.1	241329000
03232	288	71900	160511	01	1		N	M	M	M	0.13	0.42	0.42	160501		40132272006	EPA 245.1	241329000
03232	288	71900	160830	01	1		N	M	M	M	0.13	0.42	0.42	160801		40137606001	EPA 245.1	241329000
03232	288	71900	161114	01	1		N	M	M	M	0.13	0.42	0.42	161101		40142064006	EPA 245.1	241329000
03232	288	71900	170208	01	1		N	M	M	M	0.13	0.42	0.42	170201		40145548001	EPA 245.1	241329000
03232	288	71900	170515	01	1		N	M	M	M	0.13	0.42	0.42	170501		40150143004	EPA 245.1	241329000
03232	288	71900	170821	01	1		N	M	M	M	0.13	0.42	0.42	170801		40155549006	EPA 245.1	405132750
03232	290	00010	170621	01	1	12.3		M	M	M	0.1	0.1	0.1	170601	170621	40152212001	FIELD	241329000
03232	290	00010	170822	01	1	14.58		M	M	M	0.1	0.1	0.1	170801	170822	40155549012	FIELD	241329000
03232	290	00010	171115	01	1	10.39		M	M	M	0.1	0.1	0.1	171101	171115	40161125007	FIELD	241329000
03232	290	00010	180516	01	1	12.8		M	M	M	0.1	0.1	0.1	180501	180516	AE27557	TEMP	241329000
03232	290	00010	181115	01	1	9.5		M	M	M	0.1	0.1	0.1	181101	181115	AE31853	TEMP	241329000
03232	290	00010	190508	01	1	9.87		M	M	M	0.1	0.3333	0.3333	190501	190508	AE37958	TEMP	241329000
03232	290	00010	191105	01	1	12		M	M	M	0.1	0.3333	0.3333	191101	191105	AE41846	TEMP	241329000
03232	290	00010	200505	01	1	8.5		M	M	M	0.1	0.3333	0.3333	200501	200505	AE45608	TEMP	241329000
03232	290	00010	201111	01	1	7.3		M	M	M	0.1	0.3333	0.3333	201101	201111	AE49640	TEMP	241329000
03232	290	00010	210512	01	1	12.36		M	M	M	0.1	0.3333	0.3333	210501	210512	AE53149	TEMP	241329000
03232	290	00010	211109	01	1	13		M	M	M	0.1	0.3333	0.3333	211101	211109	AE57092	TEMP	241329000
03232	290	00010	220505	01	1	10.56		M	M	M	0.1	0.3333	0.3333	220501	220505	AE60500	TEMP	241329000
03232	290	00010	221107	01	1	12		M	M	M	0.1	0.3333	0.3333	221101	221107	AE63532	TEMP	241329000
03232	290	00010	230608	01	1	15		M	M	M	0.1	0.3333	0.3333	230601	230608	AE67102	TEMP	241329000
03232	290	00010	230817	01	1	16		M	M	M	0.1	0.3333	0.3333	230801	230817	AE68387	TEMP	241329000
03232	290	00010	230927	01	1	14.63		M	M	M	0.	0.	0.	230901	230927	40268803006	field	241329000

03232	290	00094	170621	01	1	375.84		M	M	M	0.	0.	0.	170601	170621	40152212001	FIELD	241329000
03232	290	00094	170822	01	1	368.3		M	M	M	0.	0.	0.	170801	170822	40155549012	FIELD	241329000
03232	290	00094	171115	01	1	365.6		M	M	M	0.	0.	0.	171101	171115	40161125007	FIELD	241329000
03232	290	00094	180516	01	1	348		M	M	M	0.	0.	0.	180501	180516	AE27557	FCOND25	241329000
03232	290	00094	181115	01	1	370		M	M	M	0.	0.	0.	181101	181115	AE31853	FCOND25	241329000
03232	290	00094	190508	01	1	354.8		M	M	M	0.	0.	0.	190501	190508	AE37958	FCOND25	241329000
03232	290	00094	191105	01	1	378		M	M	M	0.	0.	0.	191101	191105	AE41846	FCOND25	241329000
03232	290	00094	200505	01	1	317.1		M	M	M	0.	0.	0.	200501	200505	AE45608	FCOND25	241329000
03232	290	00094	201111	01	1	386.23		M	M	M	0.	0.	0.	201101	201111	AE49640	FCOND25	241329000
03232	290	00094	210512	01	1	357.97		M	M	M	0.	0.	0.	210501	210512	AE53149	FCOND25	241329000
03232	290	00094	211109	01	1	337		M	M	M	0.	0.	0.	211101	211109	AE57092	FCOND25	241329000
03232	290	00094	220505	01	1	390.58		M	M	M	0.	0.	0.	220501	220505	AE60500	FCOND25	241329000
03232	290	00094	221107	01	1	380		M	M	M	0.	0.	0.	221101	221107	AE63532	FCOND25	241329000
03232	290	00094	230608	01	1	336		M	M	M	0.	0.	0.	230601	230608	AE67102	FCOND25	241329000
03232	290	00094	230713	01	1	340		M	M	M	0.	0.	0.	230701	230713	AE67711	FCOND25	241329000
03232	290	00094	230817	01	1	403		M	M	M	0.	0.	0.	230801	230817	AE68387	FCOND25	241329000
03232	290	00094	230927	01	1	347		M	M	M	0.	0.	0.	230901	230927	40268803006	field	241329000
03232	290	00400	170621	01	1	7.97		M	M	M	0.1	0.1	0.1	170601	170621	40152212001	FIELD	241329000
03232	290	00400	170822	01	1	7.87		M	M	M	0.1	0.1	0.1	170801	170822	40155549012	FIELD	241329000
03232	290	00400	171115	01	1	8.09		M	M	M	0.1	0.1	0.1	171101	171115	40161125007	FIELD	241329000
03232	290	00400	180516	01	1	7.8		M	M	M	0.1	0.1	0.1	180501	180516	AE27557	FieldPH	241329000
03232	290	00400	181115	01	1	7.9		M	M	M	0.1	0.1	0.1	181101	181115	AE31853	FieldPH	241329000
03232	290	00400	190508	01	1	8.3		M	M	M	0.1	0.1	0.1	190501	190508	AE37958	FieldPH	241329000
03232	290	00400	191105	01	1	8		M	M	M	0.1	0.1	0.1	191101	191105	AE41846	FieldPH	241329000
03232	290	00400	200505	01	1	7.7		M	M	M	0.1	0.1	0.1	200501	200505	AE45608	FieldPH	241329000
03232	290	00400	201111	01	1	7.8		M	M	M	0.1	0.1	0.1	201101	201111	AE49640	FieldPH	241329000
03232	290	00400	210512	01	1	8.4		M	M	M	0.1	0.1	0.1	210501	210512	AE53149	FieldPH	241329000
03232	290	00400	211109	01	1	7.6		M	M	M	0.1	0.1	0.1	211101	211109	AE57092	FieldPH	241329000
03232	290	00400	220505	01	1	7.81		M	M	M	0.1	0.1	0.1	220501	220505	AE60500	FieldPH	241329000
03232	290	00400	221107	01	1	8.1		M	M	M	0.1	0.1	0.1	221101	221107	AE63532	FieldPH	241329000
03232	290	00400	230608	01	1	7.7		M	M	M	0.1	0.1	0.1	230601	230608	AE67102	FieldPH	241329000
03232	290	00400	230713	01	1	7.2		M	M	M	0.1	0.1	0.1	230701	230713	AE67711	FieldPH	241329000
03232	290	00400	230817	01	1	8.3		M	M	M	0.1	0.1	0.1	230801	230817	AE68387	FieldPH	241329000
03232	290	00400	230927	01	1	7.83		M	M	M	0.	0.	0.	230901	230927	40268803006	field	241329000
03232	290	00410	170822	01	1	135		M	M	M	5.	10.	10.	170801	170830	40155549012	SM 2320B	405132750
03232	290	00410	191105	01	1	120		M	M	M	5.	17.	17.	191101	191114	AE41846	Std Mtd 2320B	241329000
03232	290	00410	201111	01	1	120		M	M	M	5.	17.	17.	201101	201119	AE49640	Std Mtd 2320B	241329000
03232	290	00410	211109	01	1	130		M	M	M	5.	10.	10.	211101	211119	AE57092	Std Mtd 2320B	405132750
03232	290	00410	221107	01	1	126		M	M	M	5.	10.	10.	221101	221116	AE63532	Std Mtd 2320B	405132750
03232	290	00630	221107	01	1		N	M	M	M	0.021	0.1	0.1	221101	221111	AE63532	EPA 353.2	405132750
03232	290	00630	230608	01	1	0.84		M	M	M	0.011	0.036	0.036	230601	230612	AE67102	EPA 353.2	405132750
03232	290	00630	230608	02	1	0.87		M	M	M	0.011	0.036	0.036	230601	230612	AE67103	EPA 353.2	405132750
03232	290	00630	230713	01	1	0.88		M	M	M	0.011	0.036	0.036	230701	230717	AE67711	EPA 353.2	405132750
03232	290	00630	230817	01	1		N	M	M	M	0.011	0.036	0.036	230801	230824	AE68387	EPA 353.2	405132750
03232	290	00900	221107	01	1	66.6		M	M	M	1.	5.4	5.4	221101	221117	AE63532	Std Mtd 2340B	405132750
03232	290	00900	230608	01	1	64.6		M	M	M	1.	3.333	3.333	230601	230620	AE67102	Std Mtd 2340B	241329000
03232	290	00900	230608	02	1	64.9		M	M	M	1.	3.333	3.333	230601	230620	AE67103	Std Mtd 2340B	241329000
03232	290	00900	230713	01	1	81.9		M	M	M	1.	5.4	5.4	230701	230721	AE67711	Std Mtd 2340B	241329000
03232	290	00900	230817	01	1	73.3		M	M	M	1.	5.4	5.4	230801	230824	AE68387	Std Mtd 2340B	241329000
03232	290	00916	170621	01	1	40.6		M	M	M	0.0977	0.5	0.5	170601	170629	40152212001	EPA 200.7	241329000
03232	290	00916	170822	01	1	24.9		M	M	M	0.0977	0.5	0.5	170801	170830	40155549012	EPA 200.7	405132750
03232	290	00916	171115	01	1	19.5		M	M	M	0.0977	0.5	0.5	171101	171201	40161125007	EPA 200.7	241329000
03232	290	00916	180516	01	1	18		M	M	M	0.017	0.058	0.058	180501	180518	AE27557	EPA 200.7	241329000
03232	290	00916	181115	01	1	20		M	M	M	0.017	0.058	0.058	181101	181128	AE31853	EPA 200.7	241329000
03232	290	00916	190508	01	1	16		M	M	M	0.017	0.058	0.058	190501	190514	AE37958	EPA 200.7	241329000
03232	290	00916	191105	01	1	16		M	M	M	0.027	0.089	0.089	191101	191120	AE41846	EPA 200.7	241329000
03232	290	00916	200505	01	1	17.7		M	M	M	0.114	0.5	0.5	200501	200519	AE45608	EPA 200.7	241329000
03232	290	00916	201111	01	1	15.4		M	M	M	0.114	0.5	0.5	201101	201117	AE49640	EPA 200.7	405132750
03232	290	00916	210512	01	1	16		M	M	M	0.114	0.5	0.5	210501	210518	AE53149	EPA 200.7	405132750
03232	290	00916	211109	01	1	16.8		M	M	M	0.114	0.5	0.5	211101	211116	AE57092	EPA 200.7	405132750
03232	290	00916	220505	01	1	17.9		M	M	M	0.0762	0.254	0.254	220501		AE60500	EPA 200.7	405132750
03232	290	00916	221107	01	1	15.6		M	M	M	0.114	0.5	0.5	221101	221117	AE63532	EPA 200.7	405132750

03232	290	00916	230608	01	1	15.3		M	M	M	0.55	1.9	1.9	230601	230620	AE67102	EPA 200.7	241329000
03232	290	00916	230608	02	1	15.3		M	M	M	0.55	1.9	1.9	230601	230620	AE67103	EPA 200.7	241329000
03232	290	00916	230713	01	1	18.7		M	M	M	0.11	0.5	0.5	230701	230721	AE67711	EPA 200.7	241329000
03232	290	00916	230817	01	1	17.7		M	M	M	0.114	0.5	0.5	230801	230824	AE68387	EPA 200.7	241329000
03232	290	00940	170621	01	1	6.5		M	M	M	0.5	2.	2.	170601	170711	40152212001	EPA 300.0	241329000
03232	290	00940	170822	01	1	6.3		M	M	M	0.5	2.	2.	170801	170905	40155549012	EPA 300.0	405132750
03232	290	00940	171115	01	1	5.8		M	M	M	0.5	2.	2.	171101	171214	40161125007	EPA 300.0	241329000
03232	290	00940	180516	01	1	5		M	M	M	0.43	1.4	1.4	180501	180521	AE27557	EPA 300.0	241329000
03232	290	00940	181115	01	1	4.9		M	M	M	0.21	0.7	0.7	181101	181126	AE31853	EPA 300.0	241329000
03232	290	00940	190508	01	1	4.6		M	M	M	0.1	0.34	0.34	190501	190522	AE37958	EPA 300.0	241329000
03232	290	00940	191105	01	1	4.2		M	M	M	0.18	0.6	0.6	191101	191113	AE41846	EPA 300.0	241329000
03232	290	00940	200505	01	1	4.2		M	M	M	0.002	0.006	0.006	200501	200513	AE45608	EPA 300.0	241329000
03232	290	00940	201111	01	1	5.4		M	M	M	0.046	0.154	0.154	201101	201119	AE49640	EPA 300.0	241329000
03232	290	00940	210512	01	1	4.2		M	M	M	0.43	2.	2.	210501	210602	AE53149	EPA 300.0	405132750
03232	290	00940	211109	01	1	4.5		M	M	M	0.43	2.	2.	211101	211206	AE57092	EPA 300.0	405132750
03232	290	00940	220505	01	1	7.3	J	M	M	M	2.2	10.	10.	220501	220518	AE60500	EPA 300.0	405132750
03232	290	00940	221107	01	1	4.3		M	M	M	0.43	2.	2.	221101	221111	AE63532	EPA 300.0	405132750
03232	290	00945	170621	01	1	44.9		M	M	M	5.	15.	15.	170601	170711	40152212001	EPA 300.0	241329000
03232	290	00945	170822	01	1	46.1		M	M	M	1.	3.	3.	170801	170905	40155549012	EPA 300.0	405132750
03232	290	00945	171115	01	1	51.6		M	M	M	1.	3.	3.	171101	171214	40161125007	EPA 300.0	241329000
03232	290	00945	180516	01	1	47		M	M	M	0.14	0.47	0.47	180501	180521	AE27557	EPA 300.0	241329000
03232	290	00945	181115	01	1	43		M	M	M	0.11	0.37	0.37	181101	181126	AE31853	EPA 300.0	241329000
03232	290	00945	190508	01	1	54		M	M	M	0.16	0.55	0.55	190501	190522	AE37958	EPA 300.0	241329000
03232	290	00945	191105	01	1	50		M	M	M	0.14	0.48	0.48	191101	191113	AE41846	EPA 300.0	241329000
03232	290	00945	200505	01	1	22		M	M	M	0.031	0.04	0.04	200501	200513	AE45608	EPA 300.0	241329000
03232	290	00945	201111	01	1	46		M	M	M	0.154	0.514	0.514	201101	201119	AE49640	EPA 300.0	241329000
03232	290	00945	210512	01	1	49.7		M	M	M	0.44	2.	2.	210501	210602	AE53149	EPA 300.0	405132750
03232	290	00945	211109	01	1	37.8		M	M	M	0.44	2.	2.	211101	211206	AE57092	EPA 300.0	405132750
03232	290	00945	220505	01	1	36.7		M	M	M	2.2	10.	10.	220501	220518	AE60500	EPA 300.0	405132750
03232	290	00945	221107	01	1	50		M	M	M	0.44	2.	2.	221101	221111	AE63532	EPA 300.0	405132750
03232	290	00951	170621	01	1	1.2		M	M	M	0.1	0.3	0.3	170601	170711	40152212001	EPA 300.0	241329000
03232	290	00951	170822	01	1	1.3		M	M	M	0.1	0.3	0.3	170801	170905	40155549012	EPA 300.0	405132750
03232	290	00951	171115	01	1	1.5		M	M	M	0.1	0.3	0.3	171101	171214	40161125007	EPA 300.0	241329000
03232	290	00951	180516	01	1	1.2		M	M	M	0.05	0.17	0.17	180501	180521	AE27557	EPA 300.0	241329000
03232	290	00951	181115	01	1	1		M	M	M	0.04	0.13	0.13	181101	181126	AE31853	EPA 300.0	241329000
03232	290	00951	190508	01	1	1.4		M	M	M	0.06	0.19	0.19	190501	190522	AE37958	EPA 300.0	241329000
03232	290	00951	191105	01	1	1.3		M	M	M	0.07	0.22	0.22	191101	191113	AE41846	EPA 300.0	241329000
03232	290	00951	200505	01	1	1.3		M	M	M	0.007	0.023	0.023	200501	200513	AE45608	EPA 300.0	241329000
03232	290	00951	201111	01	1	1.4		M	M	M	0.008	0.026	0.026	201101	201119	AE49640	EPA 300.0	241329000
03232	290	00951	210512	01	1	1.4		M	M	M	0.095	0.32	0.32	210501	210602	AE53149	EPA 300.0	405132750
03232	290	00951	211109	01	1	1.4		M	M	M	0.095	0.32	0.32	211101	211209	AE57092	EPA 300.0	405132750
03232	290	00951	220505	01	1	1.9		M	M	M	0.48	1.6	1.6	220501	220518	AE60500	EPA 300.0	405132750
03232	290	00951	221107	01	1	1.5		M	M	M	0.095	0.32	0.32	221101	221111	AE63532	EPA 300.0	405132750
03232	290	01002	170621	01	1	2.9		M	M	M	0.28	1.	1.	170601		40152212001	EPA 200.8	241329000
03232	290	01002	170822	01	1	1.3		M	M	M	0.28	1.	1.	170801	170905	40155549012	EPA 200.8	405132750
03232	290	01002	230608	01	1		N	M	M	M	40.	130.	130.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01002	230608	02	1		N	M	M	M	40.	130.	130.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01002	230713	01	1	1		M	M	M	0.28	1.	1.	230701	230725	AE67711	EPA 200.8	241329000
03232	290	01002	230927	01	1	0.63	J	M	M	M	0.28	1.	1.	230901	231002	40268803006	EPA 200.8	405132750
03232	290	01007	170621	01	1	47.7		M	M	M	1.5	5.	5.	170601		40152212001	EPA 200.7	241329000
03232	290	01007	170822	01	1	30.8		M	M	M	1.5	5.	5.	170801		40155549012	EPA 200.7	405132750
03232	290	01007	230608	01	1	21	J	M	M	M	12.	40.	40.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01007	230608	02	1	21	J	M	M	M	12.	40.	40.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01007	230713	01	1	21.8		M	M	M	1.5	5.	5.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01012	170621	01	1		N	M	M	M	1.2	4.	4.	170601	170711	40152212001	EPA 200.7	241329000
03232	290	01012	170822	01	1		N	M	M	M	1.2	4.	4.	170801		40155549012	EPA 200.7	405132750
03232	290	01012	230608	01	1		N	M	M	M	6.	20.	20.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01012	230608	02	1		N	M	M	M	6.	20.	20.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01012	230713	01	1		N	M	M	M	0.53	4.	4.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01022	170621	01	1	0.42		M	M	M	0.0067	0.04	0.04	170601	170629	40152212001	EPA 200.7	241329000
03232	290	01022	170822	01	1	0.41		M	M	M	0.0067	0.04	0.04	170801	170830	40155549012	EPA 200.7	405132750
03232	290	01022	171115	01	1	0.432		M	M	M	0.0067	0.04	0.04	171101	171201	40161125007	EPA 200.7	241329000

03232	290	01022	180516	01	1	0.44		M	M	M	0.0023	0.0075	0.0075	180501	180518	AE27557	EPA 200.7	241329000
03232	290	01022	181115	01	1	0.44		M	M	M	0.0023	0.0075	0.0075	181101	181128	AE31853	EPA 200.7	241329000
03232	290	01022	190508	01	1	0.45		M	M	M	0.0023	0.0075	0.0075	190501	190514	AE37958	EPA 200.7	241329000
03232	290	01022	191105	01	1	0.43		M	M	M	0.0045	0.015	0.015	191101	191120	AE41846	EPA 200.7	241329000
03232	290	01022	200505	01	1	0.463		M	M	M	0.0173	0.0577	0.0577	200501	200519	AE45608	EPA 200.7	241329000
03232	290	01022	201111	01	1	0.442		M	M	M	0.0173	0.04	0.04	201101	201117	AE49640	EPA 200.7	405132750
03232	290	01022	210512	01	1	0.469		M	M	M	0.0173	0.04	0.04	210501		AE53149	EPA 200.7	405132750
03232	290	01022	211109	01	1	0.449		M	M	M	0.0173	0.04	0.04	211101	211116	AE57092	EPA 200.7	405132750
03232	290	01022	220505	01	1	0.444		M	M	M	0.003	0.01	0.01	220501	220520	AE60500	EPA 200.7	405132750
03232	290	01022	221107	01	1	0.458		M	M	M	0.0173	0.04	0.04	221101	221117	AE63532	EPA 200.7	405132750
03232	290	01027	170621	01	1		N	M	M	M	1.3	5.	5.	170601		40152212001	EPA 200.7	241329000
03232	290	01027	170822	01	1		N	M	M	M	1.3	5.	5.	170801	170905	40155549012	EPA 200.7	405132750
03232	290	01027	230608	01	1		N	M	M	M	4.	13.	13.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01027	230608	02	1		N	M	M	M	4.	13.	13.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01027	230713	01	1		N	M	M	M	1.3	5.	5.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01034	170621	01	1	6.5	J	M	M	M	2.5	10.	10.	170601	170711	40152212001	EPA 200.7	241329000
03232	290	01034	170822	01	1		N	M	M	M	2.5	10.	10.	170801		40155549012	EPA 200.7	405132750
03232	290	01034	230608	01	1		N	M	M	M	6.	20.	20.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01034	230608	02	1		N	M	M	M	6.	20.	20.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01034	230713	01	1		N	M	M	M	2.5	10.	10.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01037	170621	01	1	1.8	J	M	M	M	1.4	5.	5.	170601		40152212001	EPA 200.7	241329000
03232	290	01037	170822	01	1		N	M	M	M	1.4	5.	5.	170801		40155549012	EPA 200.7	405132750
03232	290	01037	230608	01	1		N	M	M	M	6.	20.	20.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01037	230608	02	1		N	M	M	M	6.	20.	20.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01037	230713	01	1		N	M	M	M	1.4	5.	5.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01042	221107	01	1		N	M	M	M	3.4	10.	10.	221101	221117	AE63532	EPA 200.7	405132750
03232	290	01042	230608	01	1		N	M	M	M	4.	10.	10.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01042	230608	02	1		N	M	M	M	4.	10.	10.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01042	230713	01	1	4.2	J	M	M	M	3.4	10.	10.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01042	230817	01	1		N	M	M	M	3.4	10.	10.	230801	230824	AE68387	EPA 200.7	241329000
03232	290	01051	170621	01	1	2.4		M	M	M	0.2	1.	1.	170601		40152212001	EPA 200.8	241329000
03232	290	01051	170822	01	1	0.68	J	M	M	M	0.2	1.	1.	170801		40155549012	EPA 200.8	405132750
03232	290	01051	230608	01	1		N	M	M	M	40.	130.	130.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01051	230608	02	1		N	M	M	M	40.	130.	130.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01051	230713	01	1	0.51	J	M	M	M	0.24	1.	1.	230701	230725	AE67711	EPA 200.8	241329000
03232	290	01051	230927	01	1	0.59	J	M	M	M	0.24	1.	1.	230901	231002	40268803006	EPA 200.8	405132750
03232	290	01055	230608	01	1	20		M	M	M	4.	10.	10.	230601	230620	AE67102	EPA 200.7	241329000
03232	290	01055	230608	02	1	20		M	M	M	4.	10.	10.	230601	230620	AE67103	EPA 200.7	241329000
03232	290	01055	230713	01	1	38.1		M	M	M	1.5	5.	5.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01055	230817	01	1	49.3		M	M	M	1.5	5.	5.	230801	230824	AE68387	EPA 200.7	241329000
03232	290	01055	230927	01	1	41.9		M	M	M	1.2	4.	4.	230901	231002	40268803006	EPA 200.8	405132750
03232	290	01059	170621	01	1	0.6	J	M	M	M	0.14	1.	1.	170601		40152212001	EPA 200.8	241329000
03232	290	01059	170822	01	1	0.41	J	M	M	M	0.14	1.	1.	170801	170830	40155549012	EPA 200.8	405132750
03232	290	01059	230608	01	1		N	M	M	M	80.	270.	270.	230601	230620	AE67102	EPA 200.7	241329000
03232	290	01059	230608	02	1		N	M	M	M	80.	270.	270.	230601	230620	AE67103	EPA 200.7	241329000
03232	290	01059	230713	01	1		N	M	M	M	0.14	1.	1.	230701	230725	AE67711	EPA 200.8	241329000
03232	290	01059	230927	01	1		N	M	M	M	0.14	1.	1.	230901	231002	40268803006	EPA 200.8	405132750
03232	290	01062	170621	01	1	43		M	M	M	1.4	10.	10.	170601		40152212001	EPA 200.7	241329000
03232	290	01062	170822	01	1	45		M	M	M	1.4	10.	10.	170801		40155549012	EPA 200.7	405132750
03232	290	01062	230608	01	1	50		M	M	M	10.	30.	30.	230601	230622	AE67102	EPA 200.7	241329000
03232	290	01062	230608	02	1	50		M	M	M	10.	30.	30.	230601	230622	AE67103	EPA 200.7	241329000
03232	290	01062	230713	01	1	50.4		M	M	M	2.4	10.	10.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01077	221107	01	1		N	M	M	M	3.2	10.	10.	221101	221117	AE63532	EPA 200.7	405132750
03232	290	01077	230608	01	1		N	M	M	M	20.	70.	70.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01077	230608	02	1		N	M	M	M	20.	70.	70.	230601	230615	AE67103	EPA 200.7	241329000
03232	290	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01077	230817	01	1		N	M	M	M	3.2	10.	10.	230801	230824	AE68387	EPA 200.7	241329000
03232	290	01092	221107	01	1		N	M	M	M	11.6	40.	40.	221101	221117	AE63532	EPA 200.7	405132750
03232	290	01092	230608	01	1		N	M	M	M	60.	200.	200.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01092	230608	02	1		N	M	M	M	60.	200.	200.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67711	EPA 200.7	241329000
03232	290	01092	230817	01	1		N	M	M	M	11.6	40.	40.	230801	230824	AE68387	EPA 200.7	241329000

03232	290	01097	170621	01	1	0.66	J	M	M	M	0.15	1.	1.	170601		40152212001	EPA 200.8	241329000
03232	290	01097	170822	01	1	0.4	J	M	M	M	0.15	1.	1.	170801		40155549012	EPA 200.8	405132750
03232	290	01097	230608	01	1		N	M	M	M	40.	130.	130.	230601	230620	AE67102	EPA 200.7	241329000
03232	290	01097	230608	02	1		N	M	M	M	40.	130.	130.	230601	230620	AE67103	EPA 200.7	241329000
03232	290	01097	230713	01	1	0.36	J	M	M	M	0.15	1.	1.	230701	230725	AE67711	EPA 200.8	241329000
03232	290	01097	230927	01	1	0.45	J	M	M	M	0.15	1.	1.	230901	231002	40268803006	EPA 200.8	405132750
03232	290	01132	170621	01	1	14.1		M	M	M	0.14	1.	1.	170601		40152212001	EPA 200.8	241329000
03232	290	01132	170822	01	1	3.8		M	M	M	0.14	1.	1.	170801		40155549012	EPA 200.8	405132750
03232	290	01132	230608	01	1		N	M	M	M	40.	130.	130.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01132	230608	02	1		N	M	M	M	40.	130.	130.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01132	230713	01	1	3.7		M	M	M	0.22	1.	1.	230701	230725	AE67711	EPA 200.8	241329000
03232	290	01132	231107	01	1	2.6		M	M	M	0.22	1.	1.	231101	231115	40270877006	EPA 200.8	405132750
03232	290	01147	170621	01	1	0.66	J	M	M	M	0.32	1.1	1.1	170601		40152212001	EPA 200.8	241329000
03232	290	01147	170822	01	1	0.38	J	M	M	M	0.32	1.1	1.1	170801		40155549012	EPA 200.8	405132750
03232	290	01147	230608	01	1		N	M	M	M	80.	270.	270.	230601	230619	AE67102	EPA 200.7	241329000
03232	290	01147	230608	02	1		N	M	M	M	80.	270.	270.	230601	230619	AE67103	EPA 200.7	241329000
03232	290	01147	230713	01	1		N	M	M	M	0.32	1.1	1.1	230701	230725	AE67711	EPA 200.8	241329000
03232	290	01147	230927	01	1		N	M	M	M	0.32	1.1	1.1	230901	231002	40268803006	EPA 200.8	405132750
03232	290	04189	170621	01	1	649.154		M	M	M	0.	0.	0.	170601		40152212001	Calculated	405132750
03232	290	04189	170821	01	1	650.894		M	M	M	0.	0.	0.	170801		UNKNOWN	Calculated	405132750
03232	290	04189	171115	01	1	650.744		M	M	M	0.	0.	0.	171101		40161125007	calculated	241329000
03232	290	04189	180516	01	1	654.294		M	M	M	0.	0.	0.	180501		AE27557	Calculated	241329000
03232	290	04189	181115	01	1	654.344		M	M	M	0.	0.	0.	181101		AE31853	calculated	241329000
03232	290	04189	190508	01	1	655.454		M	M	M	0.	0.	0.	190501		AE37958	calculated	241329000
03232	290	04189	191105	01	1	655.244		M	M	M	0.	0.	0.	191101		AE41846	calculated	241329000
03232	290	04189	200505	01	1	655.544		M	M	M	0.	0.	0.	200501		AE45608	calculated	241329000
03232	290	04189	201111	01	1	653.904		M	M	M	0.	0.	0.	201101		AE49640	calculated	241329000
03232	290	04189	210512	01	1	654.384		M	M	M	0.	0.	0.	210501		AE53149	calculated	241329000
03232	290	04189	211109	01	1	651.324		M	M	M	0.	0.	0.	211101		AE57092	calculated	241329000
03232	290	04189	220505	01	1	654.454		M	M	M	0.	0.	0.	220501		AE60500	calculated	241329000
03232	290	04189	221107	01	1	652.494		M	M	M	0.	0.	0.	221101		AE63532	calculated	241329000
03232	290	04189	230608	01	1	653.4		M	M	M	0.	0.	0.	230601		AE67102	calculated	241329000
03232	290	04189	230713	01	1	651.42		M	M	M	0.	0.	0.	230701		AE67711	calculated	241329000
03232	290	04189	230817	01	1	651.84		M	M	M	0.	0.	0.	230801		AE68387	calculated	241329000
03232	290	04189	230927	01	1	650.92		M	M	M	0.	0.	0.	230901		40268803006	calculated	241329000
03232	290	11503	170621	01	1	0.68		M	M	M	1.32	4.3996	4.3996	170601	170714	40152212001	Total Radium Calc	241329000
03232	290	11503	170822	01	1	0.746		M	M	M	1.18	3.9329	3.9329	170801	170918	40155549012	Total Radium Calc	405132750
03232	290	70300	170621	01	1	236		M	M	M	8.7	28.9971	28.9971	170601	170628	40152212001	SM 2540C	241329000
03232	290	70300	170822	01	1	216		M	M	M	8.7	20.	20.	170801	170829	40155549012	SM 2540C	405132750
03232	290	70300	171115	01	1	210		M	M	M	8.7	20.	20.	171101	171121	40161125007	SM 2540C	241329000
03232	290	70300	180516	01	1	180		M	M	M	20.	66.66	66.66	180501	180518	AE27557	Std Mtd 2540 C	241329000
03232	290	70300	181115	01	1	170		M	M	M	20.	66.66	66.66	181101	181120	AE31853	Std Mtd 2540 C	241329000
03232	290	70300	190508	01	1	210		M	M	M	20.	66.66	66.66	190501	190514	AE37958	Std Mtd 2540 C	241329000
03232	290	70300	191105	01	1	180		M	M	M	20.	66.66	66.66	191101	191108	AE41846	Std Mtd 2540 C	241329000
03232	290	70300	200505	01	1	190		M	M	M	20.	66.66	66.66	200501	200507	AE45608	Std Mtd 2540 C	241329000
03232	290	70300	201111	01	1	230		M	M	M	20.	66.66	66.66	201101	201117	AE49640	Std Mtd 2540 C	241329000
03232	290	70300	210512	01	1	210		M	M	M	8.7	20.	20.	210501	210514	AE53149	Std Mtd 2540 C	405132750
03232	290	70300	211109	01	1	204		M	M	M	8.7	20.	20.	211101	211116	AE57092	Std Mtd 2540 C	405132750
03232	290	70300	220505	01	1	204		M	M	M	8.7	20.	20.	220501	220511	AE60500	Std Mtd 2540 C	405132750
03232	290	70300	221107	01	1	220		M	M	M	8.7	20.	20.	221101	221114	AE63532	Std Mtd 2540 C	405132750
03232	290	71900	170621	01	1		N	M	M	M	0.13	0.42	0.42	170601		40152212001	EPA 245.1	241329000
03232	290	71900	170822	01	1		N	M	M	M	0.13	0.42	0.42	170801		40155549012	EPA 245.1	405132750
03232	290	71900	230608	01	1	0.00116		M	M	M	0.0002	0.0006	0.0006	230601	230627	AE67102	EPA 1631E	241329000
03232	290	71900	230608	02	1	0.001		M	M	M	0.0002	0.0006	0.0006	230601	230627	AE67103	EPA 1631E	241329000
03232	290	71900	230817	01	1	0.00038	J	M	M	M	0.0002	0.0006	0.0006	230801	230825	AE68387	EPA 1631E	241329000
03232	292	00010	170602	01	1	13.28		M	M	M	0.1	0.1	0.1	170601	170602	40151093001	FIELD	241329000
03232	292	00010	170822	01	1	12.64		M	M	M	0.1	0.1	0.1	170801	170822	40155549013	FIELD	241329000
03232	292	00010	171115	01	1	10.53		M	M	M	0.1	0.1	0.1	171101	171115	40161125008	FIELD	241329000
03232	292	00010	180516	01	1	12.6		M	M	M	0.1	0.1	0.1	180501	180516	AE27555	TEMP	241329000
03232	292	00010	181115	01	1	9.9		M	M	M	0.1	0.1	0.1	181101	181115	AE31855	TEMP	241329000
03232	292	00010	190508	01	1	9.53		M	M	M	0.1	0.3333	0.3333	190501	190508	AE37962	TEMP	241329000
03232	292	00010	191003	01	1	15.07		M	M	M	0.1	0.3333	0.3333	191001	191003	AE41032	TEMP	241329000

03232	292	00010	191105	01	1	11		M	M	M	0.1	0.3333	0.3333	191101	191105	AE41848	TEMP	241329000
03232	292	00010	200505	01	1	9.7		M	M	M	0.1	0.3333	0.3333	200501	200505	AE45610	TEMP	241329000
03232	292	00010	201111	01	1	9.81		M	M	M	0.1	0.3333	0.3333	201101	201111	AE49639	TEMP	241329000
03232	292	00010	210512	01	1	11.22		M	M	M	0.1	0.3333	0.3333	210501	210512	AE53148	TEMP	241329000
03232	292	00010	211109	01	1	14		M	M	M	0.1	0.3333	0.3333	211101	211109	AE57091	TEMP	241329000
03232	292	00010	220505	01	1	9.96		M	M	M	0.1	0.3333	0.3333	220501	220505	AE60498	TEMP	241329000
03232	292	00010	221107	01	1	12		M	M	M	0.1	0.3333	0.3333	221101	221107	AE63531	TEMP	241329000
03232	292	00010	230612	01	1	14		M	M	M	0.1	0.3333	0.3333	230601	230612	AE67140	TEMP	241329000
03232	292	00010	230814	01	1	16		M	M	M	0.1	0.3333	0.3333	230801	230814	AE68272	TEMP	241329000
03232	292	00010	230927	01	1	12.56		M	M	M	0.	0.	0.	230901	230927	40268803007	field	241329000
03232	292	00094	170602	01	1	426.7		M	M	M	0.	0.	0.	170601	170602	40151093001	FIELD	241329000
03232	292	00094	170822	01	1	436.3		M	M	M	0.	0.	0.	170801	170822	40155549013	FIELD	241329000
03232	292	00094	171115	01	1	467.4		M	M	M	0.	0.	0.	171101	171115	40161125008	FIELD	241329000
03232	292	00094	180516	01	1	446		M	M	M	0.	0.	0.	180501	180516	AE27555	FCOND25	241329000
03232	292	00094	181115	01	1	467		M	M	M	0.	0.	0.	181101	181115	AE31855	FCOND25	241329000
03232	292	00094	190508	01	1	471.5		M	M	M	0.	0.	0.	190501	190508	AE37962	FCOND25	241329000
03232	292	00094	191003	01	1	525.62		M	M	M	0.	0.	0.	191001	191003	AE41032	FCOND25	241329000
03232	292	00094	191105	01	1	488		M	M	M	0.	0.	0.	191101	191105	AE41848	FCOND25	241329000
03232	292	00094	200505	01	1	401.8		M	M	M	0.	0.	0.	200501	200505	AE45610	FCOND25	241329000
03232	292	00094	201111	01	1	456.71		M	M	M	0.	0.	0.	201101	201111	AE49639	FCOND25	241329000
03232	292	00094	210512	01	1	474.89		M	M	M	0.	0.	0.	210501	210512	AE53148	FCOND25	241329000
03232	292	00094	211109	01	1	260		M	M	M	0.	0.	0.	211101	211109	AE57091	FCOND25	241329000
03232	292	00094	220505	01	1	534.97		M	M	M	0.	0.	0.	220501	220505	AE60498	FCOND25	241329000
03232	292	00094	221107	01	1	510		M	M	M	0.	0.	0.	221101	221107	AE63531	FCOND25	241329000
03232	292	00094	230612	01	1	437		M	M	M	0.	0.	0.	230601	230612	AE67140	FCOND25	241329000
03232	292	00094	230713	01	1	339		M	M	M	0.	0.	0.	230701	230713	AE67714	FCOND25	241329000
03232	292	00094	230814	01	1	457		M	M	M	0.	0.	0.	230801	230814	AE68272	FCOND25	241329000
03232	292	00094	230927	01	1	450		M	M	M	0.	0.	0.	230901	230927	40268803007	field	241329000
03232	292	00400	170602	01	1	6.92		M	M	M	0.1	0.1	0.1	170601	170602	40151093001	FIELD	241329000
03232	292	00400	170822	01	1	7.15		M	M	M	0.1	0.1	0.1	170801	170822	40155549013	FIELD	241329000
03232	292	00400	171115	01	1	7.84		M	M	M	0.1	0.1	0.1	171101	171115	40161125008	FIELD	241329000
03232	292	00400	180516	01	1	7.7		M	M	M	0.1	0.1	0.1	180501	180516	AE27555	FieldPH	241329000
03232	292	00400	181115	01	1	7.8		M	M	M	0.1	0.1	0.1	181101	181115	AE31855	FieldPH	241329000
03232	292	00400	190508	01	1	7.76		M	M	M	0.1	0.1	0.1	190501	190508	AE37962	FieldPH	241329000
03232	292	00400	191003	01	1	7		M	M	M	0.1	0.1	0.1	191001	191003	AE41032	FieldPH	241329000
03232	292	00400	191105	01	1	7.7		M	M	M	0.1	0.1	0.1	191101	191105	AE41848	FieldPH	241329000
03232	292	00400	200505	01	1	7.5		M	M	M	0.1	0.1	0.1	200501	200505	AE45610	FieldPH	241329000
03232	292	00400	201111	01	1	7.59		M	M	M	0.1	0.1	0.1	201101	201111	AE49639	FieldPH	241329000
03232	292	00400	210512	01	1	7.4		M	M	M	0.1	0.1	0.1	210501	210512	AE53148	FieldPH	241329000
03232	292	00400	211109	01	1	7.7		M	M	M	0.1	0.1	0.1	211101	211109	AE57091	FieldPH	241329000
03232	292	00400	220505	01	1	7.56		M	M	M	0.1	0.1	0.1	220501	220505	AE60498	FieldPH	241329000
03232	292	00400	221107	01	1	7.6		M	M	M	0.1	0.1	0.1	221101	221107	AE63531	FieldPH	241329000
03232	292	00400	230612	01	1	8.4		M	M	M	0.1	0.1	0.1	230601	230612	AE67140	FieldPH	241329000
03232	292	00400	230713	01	1	7.5		M	M	M	0.1	0.1	0.1	230701	230713	AE67714	FieldPH	241329000
03232	292	00400	230814	01	1	8.1		M	M	M	0.1	0.1	0.1	230801	230814	AE68272	FieldPH	241329000
03232	292	00400	230927	01	1	7.63		M	M	M	0.	0.	0.	230901	230927	40268803007	field	241329000
03232	292	00410	170602	01	1	167		M	M	M	5.	10.	10.	170601	170608	40151093001	SM 2320B	241329000
03232	292	00410	170822	01	1	144		M	M	M	5.	10.	10.	170801	170830	40155549013	SM 2320B	405132750
03232	292	00410	191105	01	1	150		M	M	M	5.	17.	17.	191101	191114	AE41848	Std Mtd 2320B	241329000
03232	292	00410	201111	01	1	130		M	M	M	5.	17.	17.	201101	201119	AE49639	Std Mtd 2320B	241329000
03232	292	00410	211109	01	1	145		M	M	M	5.	10.	10.	211101	211119	AE57091	Std Mtd 2320B	405132750
03232	292	00410	221107	01	1	148		M	M	M	5.	10.	10.	221101	221116	AE63531	Std Mtd 2320B	405132750
03232	292	00630	221107	01	1		N	M	M	M	0.021	0.1	0.1	221101	221111	AE63531	EPA 353.2	405132750
03232	292	00630	230612	01	1	0.97		M	M	M	0.011	0.036	0.036	230601	230613	AE67140	EPA 353.2	405132750
03232	292	00630	230713	01	1	0.94		M	M	M	0.011	0.036	0.036	230701	230717	AE67714	EPA 353.2	405132750
03232	292	00630	230713	02	1	0.98		M	M	M	0.011	0.036	0.036	230701	230717	AE67715	EPA 353.2	405132750
03232	292	00630	230814	01	1	1.43		M	M	M	0.011	0.036	0.036	230801	230816	AE68272	EPA 353.2	405132750
03232	292	00630	230814	02	1	1.73		M	M	M	0.011	0.036	0.036	230801	230816	AE68273	EPA 353.2	405132750
03232	292	00900	221107	01	1	117		M	M	M	1.	5.4	5.4	221101	221117	AE63531	Std Mtd 2340B	405132750
03232	292	00900	230612	01	1	111		M	M	M	1.	3.333	3.333	230601	230626	AE67140	Std Mtd 2340B	241329000
03232	292	00900	230713	01	1	118		M	M	M	1.	5.4	5.4	230701	230721	AE67714	Std Mtd 2340B	241329000
03232	292	00900	230713	02	1	116		M	M	M	1.	5.4	5.4	230701	230721	AE67715	Std Mtd 2340B	241329000

03232	292	00900	230814	01	1	120		M	M	M	1.	5.4	5.4	230801	230818	AE68272	Std Mtd 2340B	241329000
03232	292	00900	230814	02	1	117		M	M	M	1.	5.4	5.4	230801	230818	AE68273	Std Mtd 2340B	241329000
03232	292	00916	170602	01	1	30.8		M	M	M	0.0977	0.5	0.5	170601	170615	40151093001	EPA 200.7	241329000
03232	292	00916	170822	01	1	25.9		M	M	M	0.0977	0.5	0.5	170801	170830	40155549013	EPA 200.7	405132750
03232	292	00916	171115	01	1	26.2		M	M	M	0.0977	0.5	0.5	171101	171201	40161125008	EPA 200.7	241329000
03232	292	00916	180516	01	1	28		M	M	M	0.017	0.058	0.058	180501	180518	AE27555	EPA 200.7	241329000
03232	292	00916	181115	01	1	27		M	M	M	0.017	0.058	0.058	181101	181128	AE31855	EPA 200.7	241329000
03232	292	00916	190508	01	1	30		M	M	M	0.017	0.058	0.058	190501	190514	AE37962	EPA 200.7	241329000
03232	292	00916	191105	01	1	28		M	M	M	0.027	0.089	0.089	191101	191120	AE41848	EPA 200.7	241329000
03232	292	00916	200505	01	1	29.9		M	M	M	0.114	0.5	0.5	200501		AE45610	EPA 200.7	241329000
03232	292	00916	201111	01	1	29.8		M	M	M	0.114	0.5	0.5	201101	201117	AE49639	EPA 200.7	405132750
03232	292	00916	210512	01	1	28.2		M	M	M	0.114	0.5	0.5	210501	210518	AE53148	EPA 200.7	405132750
03232	292	00916	211109	01	1	28.4		M	M	M	0.114	0.5	0.5	211101		AE57091	EPA 200.7	405132750
03232	292	00916	220505	01	1	29.9		M	M	M	0.0762	0.254	0.254	220501		AE60498	EPA 200.7	405132750
03232	292	00916	221107	01	1	28.9		M	M	M	0.114	0.5	0.5	221101		AE63531	EPA 200.7	405132750
03232	292	00916	230612	01	1	27.1		M	M	M	0.6	1.8	1.8	230601	230626	AE67140	EPA 200.7	241329000
03232	292	00916	230713	01	1	29		M	M	M	0.11	0.5	0.5	230701	230721	AE67714	EPA 200.7	241329000
03232	292	00916	230713	02	1	28.5		M	M	M	0.11	0.5	0.5	230701	230721	AE67715	EPA 200.7	241329000
03232	292	00916	230814	01	1	30.2		M	M	M	0.114	0.5	0.5	230801	230818	AE68272	EPA 200.7	241329000
03232	292	00916	230814	02	1	29.3		M	M	M	0.114	0.5	0.5	230801	230818	AE68273	EPA 200.7	241329000
03232	292	00940	170602	01	1	6.5		M	M	M	0.5	2.	2.	170601	170616	40151093001	EPA 300.0	241329000
03232	292	00940	170822	01	1	5.4		M	M	M	0.5	2.	2.	170801	170905	40155549013	EPA 300.0	405132750
03232	292	00940	171115	01	1	5.8		M	M	M	0.5	2.	2.	171101	171214	40161125008	EPA 300.0	241329000
03232	292	00940	180516	01	1	5.4		M	M	M	0.43	1.4	1.4	180501	180521	AE27555	EPA 300.0	241329000
03232	292	00940	181115	01	1	5.7		M	M	M	0.21	0.7	0.7	181101	181126	AE31855	EPA 300.0	241329000
03232	292	00940	190508	01	1	6.8		M	M	M	0.1	0.34	0.34	190501	190522	AE37962	EPA 300.0	241329000
03232	292	00940	191105	01	1	5.9		M	M	M	0.18	0.6	0.6	191101	191113	AE41848	EPA 300.0	241329000
03232	292	00940	200505	01	1	5.6		M	M	M	0.002	0.006	0.006	200501	200513	AE45610	EPA 300.0	241329000
03232	292	00940	201111	01	1	5.5		M	M	M	0.046	0.154	0.154	201101	201119	AE49639	EPA 300.0	241329000
03232	292	00940	210512	01	1	5.9		M	M	M	0.43	2.	2.	210501	210602	AE53148	EPA 300.0	405132750
03232	292	00940	211109	01	1	6		M	M	M	0.43	2.	2.	211101	211207	AE57091	EPA 300.0	405132750
03232	292	00940	220505	01	1	8.3	J	M	M	M	2.2	10.	10.	220501	220518	AE60498	EPA 300.0	405132750
03232	292	00940	221107	01	1	5.8		M	M	M	0.43	2.	2.	221101	221111	AE63531	EPA 300.0	405132750
03232	292	00945	170602	01	1	51.3		M	M	M	1.	3.	3.	170601	170616	40151093001	EPA 300.0	241329000
03232	292	00945	170822	01	1	75.2		M	M	M	5.	15.	15.	170801	170906	40155549013	EPA 300.0	405132750
03232	292	00945	171115	01	1	80.8		M	M	M	5.	15.	15.	171101	171214	40161125008	EPA 300.0	241329000
03232	292	00945	180516	01	1	75		M	M	M	0.14	0.47	0.47	180501	180521	AE27555	EPA 300.0	241329000
03232	292	00945	181115	01	1	76		M	M	M	0.11	0.37	0.37	181101	181126	AE31855	EPA 300.0	241329000
03232	292	00945	190508	01	1	83		M	M	M	0.16	0.55	0.55	190501	190522	AE37962	EPA 300.0	241329000
03232	292	00945	191105	01	1	73		M	M	M	0.14	0.48	0.48	191101	191113	AE41848	EPA 300.0	241329000
03232	292	00945	200505	01	1	60		M	M	M	0.031	0.04	0.04	200501	200513	AE45610	EPA 300.0	241329000
03232	292	00945	201111	01	1	75		M	M	M	0.154	0.514	0.514	201101	201119	AE49639	EPA 300.0	241329000
03232	292	00945	210512	01	1	78		M	M	M	2.2	10.	10.	210501	210602	AE53148	EPA 300.0	405132750
03232	292	00945	211109	01	1	81.4		M	M	M	2.2	10.	10.	211101	211206	AE57091	EPA 300.0	405132750
03232	292	00945	220505	01	1	81		M	M	M	2.2	10.	10.	220501	220518	AE60498	EPA 300.0	405132750
03232	292	00945	221107	01	1	67		M	M	M	2.2	10.	10.	221101	221114	AE63531	EPA 300.0	405132750
03232	292	00951	170602	01	1	1.2		M	M	M	0.1	0.3	0.3	170601	170616	40151093001	EPA 300.0	241329000
03232	292	00951	170822	01	1	1.2		M	M	M	0.1	0.3	0.3	170801	170905	40155549013	EPA 300.0	405132750
03232	292	00951	171115	01	1	1.3		M	M	M	0.1	0.3	0.3	171101	171214	40161125008	EPA 300.0	241329000
03232	292	00951	180516	01	1	1.1		M	M	M	0.05	0.17	0.17	180501	180521	AE27555	EPA 300.0	241329000
03232	292	00951	181115	01	1	1		M	M	M	0.04	0.13	0.13	181101	181126	AE31855	EPA 300.0	241329000
03232	292	00951	190508	01	1	1.1		M	M	M	0.06	0.19	0.19	190501	190522	AE37962	EPA 300.0	241329000
03232	292	00951	191105	01	1	0.99		M	M	M	0.07	0.22	0.22	191101	191113	AE41848	EPA 300.0	241329000
03232	292	00951	200505	01	1	1.1		M	M	M	0.007	0.023	0.023	200501	200513	AE45610	EPA 300.0	241329000
03232	292	00951	201111	01	1	1.3		M	M	M	0.008	0.026	0.026	201101	201119	AE49639	EPA 300.0	241329000
03232	292	00951	210512	01	1	1.2		M	M	M	0.095	0.32	0.32	210501	210602	AE53148	EPA 300.0	405132750
03232	292	00951	211109	01	1	1.2		M	M	M	0.095	0.32	0.32	211101	211206	AE57091	EPA 300.0	405132750
03232	292	00951	220505	01	1	1.4	J	M	M	M	0.48	1.6	1.6	220501	220518	AE60498	EPA 300.0	405132750
03232	292	00951	221107	01	1	1.2		M	M	M	0.095	0.32	0.32	221101	221111	AE63531	EPA 300.0	405132750
03232	292	01002	170602	01	1	2.8		M	M	M	0.28	1.	1.	170601		40151093001	EPA 200.8	241329000
03232	292	01002	170822	01	1	1.9		M	M	M	0.28	1.	1.	170801		40155549013	EPA 200.8	405132750
03232	292	01002	230612	01	1	40	J	M	M	M	40.	130.	130.	230601	230626	AE67140	EPA 200.7	241329000

03232	292	01002	230713	01	1	1.2		M	M	M	0.28	1.	1.	230701	230725	AE67714	EPA 200.8	241329000
03232	292	01002	230713	02	1	0.87	J	M	M	M	0.28	1.	1.	230701	230725	AE67715	EPA 200.8	241329000
03232	292	01002	230814	01	1	0.71	J	M	M	M	0.28	1.	1.	230801	230822	AE68272	EPA 200.8	241329000
03232	292	01002	230927	01	1	0.53	J	M	M	M	0.28	1.	1.	230901	231002	40268803007	EPA 200.8	405132750
03232	292	01002	230927	02	1	0.55	J	M	M	M	0.28	1.	1.	230901	231002	40268803008	EPA 200.8	405132750
03232	292	01007	170602	01	1	48.8		M	M	M	1.5	5.	5.	170601		40151093001	EPA 200.7	241329000
03232	292	01007	170822	01	1	34.4		M	M	M	1.5	5.	5.	170801		40155549013	EPA 200.7	405132750
03232	292	01007	230612	01	1	29	J	M	M	M	12.	40.	40.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01007	230713	01	1	37.9		M	M	M	1.5	5.	5.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01007	230713	02	1	35.1		M	M	M	1.5	5.	5.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01012	170602	01	1		N	M	M	M	1.2	4.	4.	170601	170616	40151093001	EPA 200.7	241329000
03232	292	01012	170822	01	1		N	M	M	M	1.2	4.	4.	170801	170905	40155549013	EPA 200.7	405132750
03232	292	01012	230612	01	1		N	M	M	M	6.	20.	20.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01012	230713	01	1		N	M	M	M	0.53	4.	4.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01012	230713	02	1		N	M	M	M	0.53	4.	4.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01022	170602	01	1	0.5		M	M	M	0.0067	0.04	0.04	170601	170615	40151093001	EPA 200.7	241329000
03232	292	01022	170822	01	1	0.5		M	M	M	0.0067	0.04	0.04	170801	170830	40155549013	EPA 200.7	405132750
03232	292	01022	171115	01	1	0.49		M	M	M	0.0067	0.04	0.04	171101	171201	40161125008	EPA 200.7	241329000
03232	292	01022	180516	01	1	0.51		M	M	M	0.0023	0.0075	0.0075	180501	180518	AE27555	EPA 200.7	241329000
03232	292	01022	181115	01	1	0.52		M	M	M	0.0023	0.0075	0.0075	181101	181128	AE31855	EPA 200.7	241329000
03232	292	01022	190508	01	1	0.53		M	M	M	0.0023	0.0075	0.0075	190501	190514	AE37962	EPA 200.7	241329000
03232	292	01022	191105	01	1	0.49		M	M	M	0.0045	0.015	0.015	191101	191120	AE41848	EPA 200.7	241329000
03232	292	01022	200505	01	1	0.534		M	M	M	0.0173	0.0577	0.0577	200501	200519	AE45610	EPA 200.7	241329000
03232	292	01022	201111	01	1	0.54		M	M	M	0.0173	0.04	0.04	201101	201117	AE49639	EPA 200.7	405132750
03232	292	01022	210512	01	1	0.542		M	M	M	0.0173	0.04	0.04	210501	210518	AE53148	EPA 200.7	405132750
03232	292	01022	211109	01	1	0.51		M	M	M	0.0173	0.04	0.04	211101	211116	AE57091	EPA 200.7	405132750
03232	292	01022	220505	01	1	0.499		M	M	M	0.003	0.01	0.01	220501	220520	AE60498	EPA 200.7	405132750
03232	292	01022	221107	01	1	0.541		M	M	M	0.0173	0.04	0.04	221101	221117	AE63531	EPA 200.7	405132750
03232	292	01027	170602	01	1		N	M	M	M	1.3	5.	5.	170601		40151093001	EPA 200.7	241329000
03232	292	01027	170822	01	1		N	M	M	M	1.3	5.	5.	170801		40155549013	EPA 200.7	405132750
03232	292	01027	230612	01	1		N	M	M	M	4.	13.	13.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01027	230713	01	1		N	M	M	M	1.3	5.	5.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01027	230713	02	1		N	M	M	M	1.3	5.	5.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01034	170602	01	1		N	M	M	M	2.5	10.	10.	170601		40151093001	EPA 200.7	241329000
03232	292	01034	170822	01	1		N	M	M	M	2.5	10.	10.	170801		40155549013	EPA 200.7	405132750
03232	292	01034	230612	01	1		N	M	M	M	6.	20.	20.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01034	230713	01	1		N	M	M	M	2.5	10.	10.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01034	230713	02	1		N	M	M	M	2.5	10.	10.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01037	170602	01	1		N	M	M	M	1.4	5.	5.	170601		40151093001	EPA 200.7	241329000
03232	292	01037	170822	01	1		N	M	M	M	1.4	5.	5.	170801		40155549013	EPA 200.7	405132750
03232	292	01037	230612	01	1		N	M	M	M	6.	20.	20.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01037	230713	01	1		N	M	M	M	1.4	5.	5.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01037	230713	02	1		N	M	M	M	1.4	5.	5.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01042	221107	01	1		N	M	M	M	3.4	10.	10.	221101	221117	AE63531	EPA 200.7	405132750
03232	292	01042	230612	01	1		N	M	M	M	4.	10.	10.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01042	230713	01	1	5.9	J	M	M	M	3.4	10.	10.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01042	230713	02	1	6.5	J	M	M	M	3.4	10.	10.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01042	230814	01	1	4.4	J	M	M	M	3.4	10.	10.	230801	230818	AE68272	EPA 200.7	241329000
03232	292	01042	230814	02	1	3.5	J	M	M	M	3.4	10.	10.	230801	230818	AE68273	EPA 200.7	241329000
03232	292	01051	170602	01	1	0.9	J	M	M	M	0.2	1.	1.	170601		40151093001	EPA 200.8	241329000
03232	292	01051	170822	01	1		N	M	M	M	0.2	1.	1.	170801		40155549013	EPA 200.8	405132750
03232	292	01051	230612	01	1		N	M	M	M	40.	130.	130.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01051	230713	01	1	1.3		M	M	M	0.24	1.	1.	230701	230725	AE67714	EPA 200.8	241329000
03232	292	01051	230713	02	1	0.98	J	M	M	M	0.24	1.	1.	230701	230725	AE67715	EPA 200.8	241329000
03232	292	01051	230814	01	1	0.78	J	M	M	M	0.24	1.	1.	230801	230822	AE68272	EPA 200.8	241329000
03232	292	01051	230927	01	1		N	M	M	M	0.24	1.	1.	230901	231002	40268803007	EPA 200.8	405132750
03232	292	01051	230927	02	1	0.45	J	M	M	M	0.24	1.	1.	230901	231002	40268803008	EPA 200.8	405132750
03232	292	01055	230612	01	1	40		M	M	M	4.	10.	10.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01055	230713	01	1	79.1		M	M	M	1.5	5.	5.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01055	230713	02	1	79.8		M	M	M	1.5	5.	5.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01055	230814	01	1	41		M	M	M	1.5	5.	5.	230801	230818	AE68272	EPA 200.7	241329000
03232	292	01055	230814	02	1	46.5		M	M	M	1.5	5.	5.	230801	230818	AE68273	EPA 200.7	241329000

03232	292	01055	230927	01	1	35.5		M	M	M	1.2	4.	4.	230901	231002	40268803007	EPA 200.8	405132750
03232	292	01055	230927	02	1	35.8		M	M	M	1.2	4.	4.	230901	231002	40268803008	EPA 200.8	405132750
03232	292	01059	170602	01	1	0.26	J	M	M	M	0.14	1.	1.	170601		40151093001	EPA 200.8	241329000
03232	292	01059	170822	01	1	0.14	J	M	M	M	0.14	1.	1.	170801		40155549013	EPA 200.8	405132750
03232	292	01059	230612	01	1		N	M	M	M	80.	270.	270.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01059	230713	01	1	0.17	J	M	M	M	0.14	1.	1.	230701	230725	AE67714	EPA 200.8	241329000
03232	292	01059	230713	02	1		N	M	M	M	0.14	1.	1.	230701	230725	AE67715	EPA 200.8	241329000
03232	292	01059	230814	01	1		N	M	M	M	0.14	1.	1.	230801	230822	AE68272	EPA 200.8	241329000
03232	292	01059	230927	01	1		N	M	M	M	0.14	1.	1.	230901	231002	40268803007	EPA 200.8	405132750
03232	292	01059	230927	02	1		N	M	M	M	0.14	1.	1.	230901	231002	40268803008	EPA 200.8	405132750
03232	292	01062	170602	01	1	28		M	M	M	1.4	10.	10.	170601		40151093001	EPA 200.7	241329000
03232	292	01062	170822	01	1	37		M	M	M	1.4	10.	10.	170801		40155549013	EPA 200.7	405132750
03232	292	01062	230612	01	1	40		M	M	M	10.	30.	30.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01062	230713	01	1	35.5		M	M	M	2.4	10.	10.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01062	230713	02	1	35.7		M	M	M	2.4	10.	10.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01077	221107	01	1		N	M	M	M	3.2	10.	10.	221101	221117	AE63531	EPA 200.7	405132750
03232	292	01077	230612	01	1		N	M	M	M	20.	70.	70.	230601	230628	AE67140	EPA 200.7	241329000
03232	292	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01077	230713	02	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01077	230814	01	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68272	EPA 200.7	241329000
03232	292	01077	230814	02	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68273	EPA 200.7	241329000
03232	292	01092	221107	01	1		N	M	M	M	11.6	40.	40.	221101	221117	AE63531	EPA 200.7	405132750
03232	292	01092	230612	01	1		N	M	M	M	60.	200.	200.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67714	EPA 200.7	241329000
03232	292	01092	230713	02	1	14.1	J	M	M	M	11.6	40.	40.	230701	230721	AE67715	EPA 200.7	241329000
03232	292	01092	230814	01	1	42.7		M	M	M	11.6	40.	40.	230801	230818	AE68272	EPA 200.7	241329000
03232	292	01092	230814	02	1	43.6		M	M	M	11.6	40.	40.	230801	230818	AE68273	EPA 200.7	241329000
03232	292	01097	170602	01	1	0.54	J	M	M	M	0.15	1.	1.	170601		40151093001	EPA 200.8	241329000
03232	292	01097	170822	01	1		N	M	M	M	0.15	1.	1.	170801		40155549013	EPA 200.8	405132750
03232	292	01097	230612	01	1		N	M	M	M	40.	130.	130.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01097	230713	01	1	0.76	J	M	M	M	0.15	1.	1.	230701	230725	AE67714	EPA 200.8	241329000
03232	292	01097	230713	02	1	0.5	J	M	M	M	0.15	1.	1.	230701	230725	AE67715	EPA 200.8	241329000
03232	292	01097	230814	01	1	0.37	J	M	M	M	0.15	1.	1.	230801	230822	AE68272	EPA 200.8	241329000
03232	292	01097	230927	01	1	0.15	J	M	M	M	0.15	1.	1.	230901	231002	40268803007	EPA 200.8	405132750
03232	292	01097	230927	02	1	0.16	J	M	M	M	0.15	1.	1.	230901	231002	40268803008	EPA 200.8	405132750
03232	292	01132	170602	01	1	4.6		M	M	M	0.14	1.	1.	170601		40151093001	EPA 200.8	241329000
03232	292	01132	170822	01	1	2.9		M	M	M	0.14	1.	1.	170801		40155549013	EPA 200.8	405132750
03232	292	01132	230612	01	1		N	M	M	M	40.	130.	130.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01132	230713	01	1	4.7		M	M	M	0.22	1.	1.	230701	230725	AE67714	EPA 200.8	241329000
03232	292	01132	230713	02	1	4.5		M	M	M	0.22	1.	1.	230701	230725	AE67715	EPA 200.8	241329000
03232	292	01132	231107	01	1	4.4		M	M	M	0.22	1.	1.	231101	231115	40270877007	EPA 200.8	405132750
03232	292	01147	170602	01	1	0.39	J	M	M	M	0.32	1.1	1.1	170601		40151093001	EPA 200.8	241329000
03232	292	01147	170822	01	1		N	M	M	M	0.32	1.1	1.1	170801		40155549013	EPA 200.8	405132750
03232	292	01147	230612	01	1		N	M	M	M	80.	270.	270.	230601	230626	AE67140	EPA 200.7	241329000
03232	292	01147	230713	01	1		N	M	M	M	0.32	1.1	1.1	230701	230725	AE67714	EPA 200.8	241329000
03232	292	01147	230713	02	1		N	M	M	M	0.32	1.1	1.1	230701	230725	AE67715	EPA 200.8	241329000
03232	292	01147	230814	01	1		N	M	M	M	0.32	1.1	1.1	230801	230822	AE68272	EPA 200.8	241329000
03232	292	01147	230927	01	1		N	M	M	M	0.32	1.1	1.1	230901	231002	40268803007	EPA 200.8	405132750
03232	292	01147	230927	02	1		N	M	M	M	0.32	1.1	1.1	230901	231002	40268803008	EPA 200.8	405132750
03232	292	04189	170602	01	1	652.584		M	M	M	0.	0.	0.	170601		40151093001	Calculated	405132750
03232	292	04189	170821	01	1	651.474		M	M	M	0.	0.	0.	170801		UNKNOWN	Calculated	405132750
03232	292	04189	171115	01	1	652.794		M	M	M	0.	0.	0.	171101		40161125008	calculated	241329000
03232	292	04189	180516	01	1	655.804		M	M	M	0.	0.	0.	180501		AE27555	Calculated	241329000
03232	292	04189	181115	01	1	654.894		M	M	M	0.	0.	0.	181101		AE31855	calculated	241329000
03232	292	04189	190508	01	1	655.924		M	M	M	0.	0.	0.	190501		AE37962	calculated	241329000
03232	292	04189	191003	01	1	654.364		M	M	M	0.	0.	0.	191001		AE41032	calculated	241329000
03232	292	04189	191105	01	1	655.684		M	M	M	0.	0.	0.	191101		AE41848	calculated	241329000
03232	292	04189	200505	01	1	656.084		M	M	M	0.	0.	0.	200501		AE45610	calculated	241329000
03232	292	04189	201111	01	1	653.634		M	M	M	0.	0.	0.	201101		AE49639	calculated	241329000
03232	292	04189	210512	01	1	654.814		M	M	M	0.	0.	0.	210501		AE53148	calculated	241329000
03232	292	04189	211109	01	1	651.694		M	M	M	0.	0.	0.	211101		AE57091	calculated	241329000
03232	292	04189	220505	01	1	654.844		M	M	M	0.	0.	0.	220501		AE60498	calculated	241329000

03232	292	04189	221107	01	1	652.534		M	M	M	0.	0.	0.	221101		AE63531	calculated	241329000
03232	292	04189	230612	01	1	652.34		M	M	M	0.	0.	0.	230601		AE67140	calculated	241329000
03232	292	04189	230713	01	1	651.62		M	M	M	0.	0.	0.	230701		AE67714	calculated	241329000
03232	292	04189	230814	01	1	651.45		M	M	M	0.	0.	0.	230801		AE68272	calculated	241329000
03232	292	04189	230927	01	1	651.59		M	M	M	0.	0.	0.	230901		40268803007	calculated	241329000
03232	292	11503	170602	01	1	0.482		M	M	M	1.87	6.2327	6.2327	170601	170807	40151093001	Total Radium Calc	241329000
03232	292	11503	170822	01	1	0.742		M	M	M	1.4	4.6662	4.6662	170801	170918	40155549013	Total Radium Calc	405132750
03232	292	70300	170602	01	1	270		M	M	M	8.7	28.9971	28.9971	170601	170608	40151093001	SM 2540C	241329000
03232	292	70300	170822	01	1	256		M	M	M	8.7	20.	20.	170801	170829	40155549013	SM 2540C	405132750
03232	292	70300	171115	01	1	260		M	M	M	8.7	20.	20.	171101	171121	40161125008	SM 2540C	241329000
03232	292	70300	180516	01	1	250		M	M	M	20.	66.66	66.66	180501	180518	AE27555	Std Mtd 2540 C	241329000
03232	292	70300	181115	01	1	220		M	M	M	20.	66.66	66.66	181101	181120	AE31855	Std Mtd 2540 C	241329000
03232	292	70300	190508	01	1	270		M	M	M	20.	66.66	66.66	190501	190514	AE37962	Std Mtd 2540 C	241329000
03232	292	70300	191003	01	1	260		M	M	M	20.	66.66	66.66	191001	191010	AE41032	Std Mtd 2540 C	241329000
03232	292	70300	191105	01	1	260		M	M	M	20.	66.66	66.66	191101	191108	AE41848	Std Mtd 2540 C	241329000
03232	292	70300	200505	01	1	240		M	M	M	20.	66.66	66.66	200501	200507	AE45610	Std Mtd 2540 C	241329000
03232	292	70300	201111	01	1	250		M	M	M	20.	66.66	66.66	201101	201117	AE49639	Std Mtd 2540 C	241329000
03232	292	70300	210512	01	1	278		M	M	M	8.7	20.	20.	210501	210514	AE53148	Std Mtd 2540 C	405132750
03232	292	70300	211109	01	1	272		M	M	M	8.7	20.	20.	211101	211116	AE57091	Std Mtd 2540 C	405132750
03232	292	70300	220505	01	1	298		M	M	M	8.7	20.	20.	220501	220509	AE60498	Std Mtd 2540 C	405132750
03232	292	70300	221107	01	1	292		M	M	M	8.7	20.	20.	221101	221114	AE63531	Std Mtd 2540 C	405132750
03232	292	71900	170602	01	1		N	M	M	M	0.13	0.42	0.42	170601		40151093001	EPA 245.1	241329000
03232	292	71900	170822	01	1		N	M	M	M	0.13	0.42	0.42	170801		40155549013	EPA 245.1	405132750
03232	292	71900	230612	01	1	0.0004	J	M	M	M	0.0002	0.0006	0.0006	230601	230615	AE67140	EPA 1631E	241329000
03232	292	71900	230814	01	1	0.0013		M	M	M	0.0002	0.0006	0.0006	230801	230822	AE68272	EPA 1631E	241329000
03232	997	00010	230814	01	1	11		M	M	M	0.1	0.3333	0.3333	230801	230814	AE68274	TEMP	241329000
03232	997	00094	230713	01	1	19		M	M	M	0.	0.	0.	230701	230713	AE67717	FCOND25	241329000
03232	997	00094	230814	01	1	36		M	M	M	0.	0.	0.	230801	230814	AE68274	FCOND25	241329000
03232	997	00400	230713	01	1	8.2		M	M	M	0.1	0.1	0.1	230701	230713	AE67717	FieldPH	241329000
03232	997	00400	230814	01	1	8.1		M	M	M	0.1	0.1	0.1	230801	230814	AE68274	FieldPH	241329000
03232	997	00630	230608	01	1		N	M	M	M	0.011	0.036	0.036	230601	230612	AE67104	EPA 353.2	405132750
03232	997	00630	230713	01	1	0.14		M	M	M	0.011	0.036	0.036	230701	230717	AE67717	EPA 353.2	405132750
03232	997	00630	230814	01	1	0.062		M	M	M	0.011	0.036	0.036	230801	230816	AE68274	EPA 353.2	405132750
03232	997	00900	230608	01	1		N	M	M	M	1.65	5.4995	5.4995	230601	230619	AE67104	Std Mtd 2340B	241329000
03232	997	00900	230713	01	1		N	M	M	M	1.	5.4	5.4	230701	230721	AE67717	Std Mtd 2340B	241329000
03232	997	00900	230814	01	1	7.52		M	M	M	1.	5.4	5.4	230801	230818	AE68274	Std Mtd 2340B	241329000
03232	997	00916	230608	01	1		N	M	M	M	0.55	1.9	1.9	230601	230620	AE67104	EPA 200.7	241329000
03232	997	00916	230713	01	1		N	M	M	M	0.11	0.5	0.5	230701	230721	AE67717	EPA 200.7	241329000
03232	997	00916	230814	01	1	1.69		M	M	M	0.114	0.5	0.5	230801	230818	AE68274	EPA 200.7	241329000
03232	997	01002	230608	01	1		N	M	M	M	40.	130.	130.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01002	230713	01	1		N	M	M	M	0.28	1.	1.	230701	230725	AE67717	EPA 200.8	241329000
03232	997	01002	230814	01	1		N	M	M	M	0.28	1.	1.	230801	230821	AE68274	EPA 200.8	241329000
03232	997	01002	230927	01	1		N	M	M	M	0.28	1.	1.	230901	231002	40268803009	EPA 200.8	405132750
03232	997	01007	230608	01	1		N	M	M	M	12.	40.	40.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01007	230713	01	1		N	M	M	M	1.5	5.	5.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01012	230608	01	1		N	M	M	M	6.	20.	20.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01012	230713	01	1		N	M	M	M	0.53	4.	4.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01027	230608	01	1		N	M	M	M	4.	13.	13.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01027	230713	01	1		N	M	M	M	1.3	5.	5.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01034	230608	01	1		N	M	M	M	6.	20.	20.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01034	230713	01	1		N	M	M	M	2.5	10.	10.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01037	230608	01	1		N	M	M	M	6.	20.	20.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01037	230713	01	1		N	M	M	M	1.4	5.	5.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01042	230608	01	1		N	M	M	M	4.	10.	10.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01042	230713	01	1		N	M	M	M	3.4	10.	10.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01042	230814	01	1	4.9	J	M	M	M	3.4	10.	10.	230801	230818	AE68274	EPA 200.7	241329000
03232	997	01051	230608	01	1		N	M	M	M	40.	130.	130.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01051	230713	01	1		N	M	M	M	0.24	1.	1.	230701	230725	AE67717	EPA 200.8	241329000
03232	997	01051	230814	01	1		N	M	M	M	0.24	1.	1.	230801	230821	AE68274	EPA 200.8	241329000
03232	997	01051	230927	01	1		N	M	M	M	0.24	1.	1.	230901	231002	40268803009	EPA 200.8	405132750
03232	997	01055	230608	01	1		N	M	M	M	4.	10.	10.	230601	230620	AE67104	EPA 200.7	241329000
03232	997	01055	230713	01	1		N	M	M	M	1.5	5.	5.	230701	230721	AE67717	EPA 200.7	241329000

03232	997	01055	230814	01	1	3.7	J	M	M	M	1.5	5.	5.	230801	230818	AE68274	EPA 200.7	241329000
03232	997	01055	230927	01	1	3.9	J	M	M	M	1.2	4.	4.	230901	231002	40268803009	EPA 200.8	405132750
03232	997	01059	230608	01	1		N	M	M	M	80.	270.	270.	230601	230620	AE67104	EPA 200.7	241329000
03232	997	01059	230713	01	1		N	M	M	M	0.14	1.	1.	230701	230725	AE67717	EPA 200.8	241329000
03232	997	01059	230814	01	1		N	M	M	M	0.14	1.	1.	230801	230821	AE68274	EPA 200.8	241329000
03232	997	01059	230927	01	1		N	M	M	M	0.14	1.	1.	230901	231002	40268803009	EPA 200.8	405132750
03232	997	01062	230608	01	1		N	M	M	M	10.	30.	30.	230601	230622	AE67104	EPA 200.7	241329000
03232	997	01062	230713	01	1		N	M	M	M	2.4	10.	10.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01077	230608	01	1		N	M	M	M	20.	70.	70.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01077	230713	01	1		N	M	M	M	3.2	10.	10.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01077	230814	01	1		N	M	M	M	3.2	10.	10.	230801	230818	AE68274	EPA 200.7	241329000
03232	997	01092	230608	01	1		N	M	M	M	60.	200.	200.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01092	230713	01	1		N	M	M	M	11.6	40.	40.	230701	230721	AE67717	EPA 200.7	241329000
03232	997	01092	230814	01	1		N	M	M	M	11.6	40.	40.	230801	230818	AE68274	EPA 200.7	241329000
03232	997	01097	230608	01	1		N	M	M	M	40.	130.	130.	230601	230620	AE67104	EPA 200.7	241329000
03232	997	01097	230713	01	1		N	M	M	M	0.15	1.	1.	230701	230725	AE67717	EPA 200.8	241329000
03232	997	01097	230814	01	1		N	M	M	M	0.15	1.	1.	230801	230821	AE68274	EPA 200.8	241329000
03232	997	01097	230927	01	1		N	M	M	M	0.15	1.	1.	230901	231002	40268803009	EPA 200.8	405132750
03232	997	01132	230608	01	1		N	M	M	M	40.	130.	130.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01132	230713	01	1		N	M	M	M	0.22	1.	1.	230701	230725	AE67717	EPA 200.8	241329000
03232	997	01147	230608	01	1		N	M	M	M	80.	270.	270.	230601	230619	AE67104	EPA 200.7	241329000
03232	997	01147	230713	01	1		N	M	M	M	0.32	1.1	1.1	230701	230725	AE67717	EPA 200.8	241329000
03232	997	01147	230814	01	1		N	M	M	M	0.32	1.1	1.1	230801	230821	AE68274	EPA 200.8	241329000
03232	997	01147	230927	01	1		N	M	M	M	0.32	1.1	1.1	230901	231002	40268803009	EPA 200.8	405132750
03232	997	71900	230608	01	1	0.00068		M	M	M	0.0002	0.0006	0.0006	230601	230615	AE67104	EPA 1631E	241329000
03232	997	71900	230814	01	1	0.00143		M	M	M	0.0002	0.0006	0.0006	230801	230822	AE68274	EPA 1631E	241329000

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL,
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
July 18, 2013 - Plan of Operation Modification Approval				
1	We Energies shall comply with all conditions of the license, the provisions of ch. 289, Wis. Stats., all applicable requirements of chs. 500 through 538, Wis. Adm. Code, the plan of operation approval, and all plan modifications thereof issued by the Department.	General	Active	
2	We Energies shall specifically characterize the coal combustion by-products, FGD by-products, i.e. filter cake and off-spec gypsum, cooling tower basin solids and dewatered wastewater treatment plant solids from all facilities disposing such wastes at the P4 ash landfill and include the test results to the Department in the facility annual report.	General	Active	
3	We Energies is permitted to dispose of the following wastes in the landfill: -Pleasant Prairie Power Plant -WE Elm Road Generating Station -WE Oak Creek Power Plant -WE Valley Power Plant -WE Milwaukee County Power Plant	General	Active	
4	We Energies shall schedule a preconstruction meeting prior to the initiation of construction for each cell of construction of the GCL component of the liner or geomembrane component of the cap. The meeting shall be used to clarify or confirm design changes, acceptability of selected construction materials and construction concepts or practices required in the approved plan of operation or identified in the preconstruction report. At a minimum, the meeting shall include the design engineer, the appropriate Department regional and central office staff, the engineer or engineers responsible for quality assurance of all aspects of construction and the GCL and geomembrane installer.	Construction	Active	
5	We Energies shall submit a preconstruction report for construction of a composite liner and for construction of a composite cap for each cell. The Department may also require a preconstruction report for each cell of construction which utilizes other geosynthetics, or when other geosynthetic materials are used in significant structural features of the landfill. The preconstruction report shall be submitted to the Department no later than 15 days prior to each of the preconstruction meetings for the construction of the GCL of a composite liner or a geomembrane of a composite capping layer.	Construction	Active	
6	In cells where a groundwater monitoring well is located and needs to be abandoned, the liner preconstruction and construction documentation reports shall contain a copy of the abandonment report.	Construction	Active	
7	We Energies shall Proof-roll and examine subbase surfaces to determine existence of soft areas, areas loosened by frost action or softened by flooding, weather, or unsuitable materials. Areas of subbase that experience excessive deformation, pumping or stress cracking during the proof-rolling operation will be removed and replaced.	Construction	Active	
8	We Energies shall conduct leak location testing after installation of the leachate collection layer in each liner cell in accordance with s. NR 516.07(2)(d), Wis. Adm. Code.	Construction	Code Req.	
9	We Energies shall contact the Department's environmental engineer assigned to this project a minimum of one week prior to beginning the construction events listed below, for the purpose of allowing the Department to inspect the work. A fee shall be paid to the Department for the required inspection in accordance with NR 520.04(5), Wis. Adm. Code. The inspection fee shall be paid with the invoice for the construction documentation.	Construction	Code Req.	

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL,
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
10	The construction documentation report for the composite liner for each cell shall show that the soil barrier layer consists of on-site soil and that the consistency and compaction characteristics for each cell meets the requirements contined in s. NR 504.07(4)(a), Wis. Adm. Code.	Construction	Code Req.	
11	The construction documentation report for the final cover for each cell shall show that the FGD filter cake/flyash material meets the final cover size and compaction requirements of s. NR 504.07(4)(a) 12-16, Wis. Adm. Code. We Energies may substitute the FGD/filter cake/flyash materal for liner quality clay soil under the geomembrane or a combination soil barrier layer and GCL underneath the geomembrane.	Construction	Code Req.	
12	Every ten (10) years, on or before the anniversary date of this approval, We Energies shall submit a review of the key landfill engineering design features to the Department. The landfill engineering review shall evaluate the engineering design features of the approved landfill liner, leachate collection system and final cover to determine if those features are consistent with the current minimum state and federal required landfill engineering design features at the time. The review shall show if there are any design variations to the required state and federal minimum standards at the time and contain a plan modification proposal to upgrade the design to the current required state and federal minimum standards or show why retaining the approved deisgn is warranted for any unconstructed cells.	Construction	Active	
13	We Energies shall segregate the landfill of different wastes streams if they are intended for future beneficial use recovery.	Operations	Active	
14	We Energies shall control dust on the active area of the landfill. Leachate may be used as dust control on active areas.	Operations	Active	
15	We Energies shall control dust on the landfill roads exterior of the waste filling area. Clean water from sedimentation basins or another clean water source may be used as dust control on the roads.	Operations	Active	
16	We Energies shall submit an annual report by March 31 of each year.	Operations	Active	
17	All previous environmental monitoring requirements are hereby rescinded and revised with the environmental monitoring requirements of ch. NR 507, Wis. Adm. Code and the Tables 1 through 3, in Attachment #1.	Operations	Active	
18	Groundwater sampling methods shall compy with the most recent edition of the Department's "Groundwater Sampling Desk Reference", Publ-DG-03796 and the most recent edition of the Department's "Groundwater Sampling Field Reference", Publ-DG-03896. At the time of this approval, these documents can be found on the Department's internet web site.	Operations	Active	
19	Table 4 in Attachment #1 contains ACLs for dissolved boron and sulfate at certain groundwater monitoring wells that well become effective after liner construction documentation approval of cell 1. Applicable NR 140 groundwater standards shall apply to all other groundwater monitoring parameters and wells. We Energies may request NR 140 groundwater standard exemptions and propose ACLs for other parameters and wells in the future.	Operations	Active	
20	We Energies shall construct a new bedrock groundwater monitoring piezometer to be constructed in the northeast corner of the property as shown on the aerial photo attached to Tim Muehlfeld's April 25, 2013 e-mail. The bedrock piezometer shall be constructed within 90 days of the date of this approval.	Operations	Active	

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL,
LICENSE NO. 2786

APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
21	When groundwater monitoring well W-28 needs to be abandoned, We Energies shall propose a new groundwater monitoring well, located on the south side of the landfill, to be added to the groundwater monitoring program.	Operations	Active	
22	We Energies shall provide Net Worth Test financial responsibility for closure and long-term care in accordance with ch. NR 520, Wis. Adm. Code and the closure and long-term care attachment to this approval by March 31, 2014.	Financial Responsibility	Active	
23	We Energies shall submit a revised closure cost estimate, within 60 days of the date of this approval, that uses either a 24-inch soil barrier layer and a GCL or a 24-inch compacted clay soil layer as part of the composite final cover, in order to more accurately represent the true cost if the Department needs to cap the landfill without FGD and fly ash available to the Department.	Financial Responsibility	Inactive	Completed
October 15, 2018 - Plan of Operation Modification Approval for Premature Closure				
1	Prior to any future modification to Cell 1 final cover, future liner construction or permanent closure of the landfill, a plan of operation modification shall be submitted to an approved by the department to address the proposed activities.	General	Active	
2	Proof of financial assurance for closure and long-term care shall be maintained in accordance with s. NR 520.06 and s. NR 520.07, Wis. Adm. Code until the landfill is permanently closed. A long-term care license will not be issued by the department until the landfill is permanently closed; however, We Energies will be responsible for long term care activities upon temporary closure of Cell 1.	Financial Responsibility	Active	
3	If We Energies does not complete construction of the next landfill cell liner within 10 years from the date of this approval, We Energies shall submit an updated plan of operation to the department and obtain department approval of the plan prior to construction of future cell liners. The department may require additional conditions of approval and require redesgin of the landfill in accordance with state-of-the-art design criteria.	Submittal	Active	

Revised: September 5, 2023

Active	Current condition being followed for active landfill
Inactive	Condition is inactive or completed
Superseded	Condition was changed by a new Approval
Code Req.	Condition is a replica of the current code and is redundant

GEI Consultants

Consulting
Engineers and
Scientists

Plan of Operation Modification

We Energies Pleasant Prairie Power Plant Ash Landfill

Pleasant Prairie, Wisconsin

Submitted to:
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Submitted by:
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September 29, 2023
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1. Engineer Certification

Professional Engineer Certification Statement – NR 500.05(4)(a)

"I, John M. Trast, P.E., D.GE, hereby certify that I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of ch. A-E 4, Wisconsin Administrative Code (Wis. Adm. Code); that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 500 to 538, Wis. Adm. Code."

John M. Trast, P.E., D.GE
Professional Engineer License No. 31792

2. Introduction and Site History

On April 17, 2015, the United States Environmental Protection Agency (EPA) published the final rule to regulate disposal and beneficial use of Coal Combustion Residual (CCR) generated by electric utilities and independent power producer as a solid waste under Subtitle D of the Resource Conservation and Recovery Act (RCRA) in the federal register, 40 CFR 257 Subpart D (CCR Rule). In accordance with the CCR Rule, any CCR surface impoundment or landfill that was actively receiving CCR on the effective date of the CCR Rule (October 19, 2015) was deemed to be an "Existing CCR Unit". As a result, We Energies identified the Pleasant Prairie Power Plant (PPPP) Ash Landfill (Wisconsin Department of Natural Resources [WDNR] License No. 2786) located in Pleasant Prairie, Kenosha County, Wisconsin as an existing CCR Landfill.

The PPPP Ash Landfill was permitted by the WDNR on May 12, 1978, with the issuance of a Conditional Plan of Operation Approval. The facility was license and approved as a 133-acre, 4,570,000 cubic yard (cy) landfill divided into 25 sequential cells. Ash recovery and beneficial use of the recovered ash was conducted at the site under approval from the WDNR from 2002 to 2012. On July 18, 2013, a Plan of Operation Modification was approved by the WDNR to modify the staged development of the landfill, improve the base liner system, install leachate head wells, install a leachate collection system, improve the final cover system, and provide for the disposal of additional coal combustion waste streams from We Energies Power Plants. The landfill footprint was reduced to 67.1 acres with six cells while redistributing and maintaining the approved landfill volume of 4,570,000 cy. Cell 1 of the revised PPPP Ash Landfill was constructed in 2013-2014 with an area of 7.4 acres and a design airspace capacity of 199,200 cy.

On August 31, 2018, a Plan of Operation Modification was submitted to the WDNR for the premature closure of Cell 1. The Plan of Operation Modification included a proposal to modify the final waste grades of Cell 1 to 5% to allow construction of the final cover. Premature closure of Cell 1 occurred to reduce leachate production and operational expenses of the landfill due to the decommissioning of the PPPP. The final volume of waste disposed in Cell 1 is 113,000 cy. Final cover over Cell 1 was constructed over a period of three phases, with the first phase (eastern 2.6 acres) approved by the WDNR on July 18, 2019, the second phase (central 3.2 acres) approved by the WDNR on March 15, 2021, and the third phase (western 1.3 acres) approved by the WDNR on July 17, 2022.

As a result, the PPPP Ash Landfill has no active disposal operation at the facility. However, We Energies will retain the operating license for the site. If it is necessary for disposal operations to resume, We Energies will submit a Plan of Operation Modification that complies with 40 CFR 257 Subpart D and NR 500 to NR 538, Wis. Adm. Code for CCR landfills.

On August 1, 2022, the WDNR updated NR 500 of the Wis. Adm. Code to include changes to new and existing CCR Landfills in the State of Wisconsin. The PPPP Ash Landfill was not administratively closed before August 1, 2022, and therefore an updated Plan of Operation Modification has been prepared for existing Cell 1, and submitted for initial permitting by February 1, 2023, in accordance with NR 514.045. The required plan was submitted in accordance with the regulations and this Plan of Operation Modification addresses comments received from WDNR in April 2023.

Future phases Cell 2 through 6B are not included in this Plan of Operation Modification and will be reviewed separately under a new Plan of Operation Modification submittal if We Energies reopens the landfill and constructs these additional cells.

Permitting requirements submitted with the Plan of Operation Modification as outlined in NR 514.045(1) include: Professional Engineer certification [NR 500.05], performance standard demonstrations [NR 504.04(04)], locational criteria demonstrations [NR 504.04(3)], CCR landfill design [NR 504.10], landfill operational plans [NR 514.07(10)], and a CCR groundwater monitoring system and updated sampling plan [(NR 507.15(3)].

This Plan of Operation Modification for the PPPP Ash Landfill is being submitted to comply with the updated Wis. Adm. Code for new or existing CCR Landfills in the State of Wisconsin in accordance with NR 514.045. Included in this submittal are the requirements outlined in NR 514.045(1), the plan of operation for the active PPPP Ash Landfill, a drawing set featuring the base liner, final cover, and the leachate collection system, and a separate attachment demonstrating the hydrogeology, environmental monitoring system, groundwater, and sampling plan in accordance with NR 507.15(3).

3. Performance Standard Demonstrations

3.1 Wetlands

Section NR 504.04(4)(a) of the Wis. Adm. Code states, *"no person may establish, construct, operate, maintain, or permit the use of property for a landfill if there is a reasonable probability that the landfill will cause a significant adverse impact on wetlands as provided in ch. NR 103."* The following sources, attached in Appendix A, were utilized to determine if the PPPP Ash Landfill is located within a wetland:

- WDNR wetland map
- National Wetlands Inventory (NWI) map
- US Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) soil survey map

According to the NWI and WDNR maps, the existing waste footprint of the PPPP Ash Landfill is not located in a wetland. We Energies does not intend to expand the waste footprint of the PPPP Ash Landfill. Together these satisfy the requirements of NR 504.04(4)(a).

3.2 Endangered or Threatened Species

Section NR 504.04 (4)(b) of the Wis. Adm. Code states, *"no person may establish, construct, operate, maintain, or permit the use of property for a landfill if there is a reasonable probability that the landfill will cause a take of an endangered or threatened species in accordance with s. 29.604."* Additionally, section NR 514.045(1)(e) states that the Plan of Operation Modification must, *"demonstrate that the facility or practices may not result in the destruction or adverse modifications of the critical habitat of endangered or threatened species as identified under s. NR 27.03(1)."* The following source, attached in Appendix B, was utilized to determine if the PPPP Ash Landfill could cause a take or results in the destruction or modification of a critical habitat:

- WDNR Natural Heritage Inventory (NHI) Endangered Resource Review

According to the NHI review, no threatened or endangered species are within a 1-mile buffer (for terrestrial and wetland species) and a 2-mile buffer (for aquatic species) of the project area. Together these satisfy the requirements of NR 504.04 (4)(b) and NR 514.045(1)(e).

3.3 Surface Water

Section NR 504.04 (4)(c) of the Wis. Adm. Code states, *"no person may establish, construct, operate, maintain, or permit the use of property for a landfill if there is a reasonable probability*

that the landfill will cause a detrimental effect on any surface water." The following sources, presented in Appendix C, were utilized to determine if the PPPP Ash Landfill posed as a potential detriment to any surface water:

- NWI map
- Figure 1 – Run-Off Stormwater Flow Diagram, Run-on and Run-off Control Plan Revision 2, GEI Consultants, February 2022
- Drawing PM-6 – Leachate Sump Collection Details
- Drawing PM-7 – Leachate Storage Tank Details

According to the NWI map, the only potential surface water located on-site are wetland class areas located south of the closed PPPP Ash Landfill. A run-off stormwater flow diagram was updated for the PPPP Ash Landfill after Cell 1 closure in February 2022 and demonstrates that stormwater infiltrates into the ground on the northern final cover area or runs in a conveyance ditch to the west outlet ditch where it is directed southward to the wetland class area, and eventually discharges to unnamed tributaries of Jerome Creek. The stormwater control system is designed for a 24-hour, 25-year precipitation event.

Leachate generated onsite is collected in a sump located on the west end of Cell 1 and is pumped to a collection vault at the top of the berm, as shown on Drawing PM-6 (Appendix C). Leachate in the collection vault is transferred via a double walled force main to an underground double walled steel leachate tank (Drawing PM-7 in Appendix C), where it is hauled and disposed at the Kenosha Water Utility (KWU) wastewater treatment facility. Together these satisfy the requirements of NR 504.04(4)(c).

4. Locational Criteria Demonstrations

4.1 Fault Areas

Section NR 504.04(3)(g) of the Wis. Adm. Code requires, "*no person may establish, construct, operate, maintain, or permit the use of property for a landfill where the limits of filling are or would be within 200 feet of a fault that has had displacement in the Holocene time*." According to the U.S. Geological Survey (USGS) and Illinois State Geological Survey Quaternary faults and folds database for the United States (USGS, 2022), the fault zone nearest to PPPP Ash Landfill with documented displacement in Holocene time (approximately 12,000 years ago to present day) is the Wabash Valley Seismic Zone, as shown in Appendix D. While active fault zones are not expressed at the surface, movement along these faults have caused seismic activity in the region during Holocene epoch.

The Wabash Valley Seismic Zone is primarily located in central and southeastern Illinois and southwestern Indiana (USGS, 2022). The PPPP Ash Landfill is approximately 250 miles north of the Wabash Valley Seismic Zone, satisfying the requirements of Section NR 504.04(3)(g).

4.2 Seismic Impact Zones

Section NR 504.04(3)(h) of the Wis. Adm. Code requires, *"no person may establish, construct, operate, maintain, or permit the use of property for a landfill where the limits of filling are or would be within seismic impacts zones."* As defined in 40 CFR § 257.53 of the Federal Code, a seismic impact zone is, "*an area having two percent or greater probability that the maximum expected horizontal ground acceleration will exceed 10 percent of gravity (0.10g) in 50 years (return period of approximately 2,500 years)*." The USGS Earthquake Hazard Program (EHP) and National Seismic Hazard Mapping Project (NSHMP) Unified Hazard Tool and calculations from Earthquake Hazards 201 – Technical Q&A, USGS, August 6, 2019, was utilized to calculate the annual frequency of exceedance and expected horizontal ground acceleration at the PPPP Ash Landfill to determine if the landfill is established within a seismic impact zone. The calculations and results for the EHP and NSHMP Unified Hazard Tool return period are presented in Appendix E.

The PPPP Ash Landfill is not located in a seismic impact zone as defined in 40 CFR §257.53 and satisfies the requirements of NR 504.04(3)(h).

4.3 Unstable Areas

Section NR 504.04(3)(i) of the Wis. Adm. Code requires, "*no person may establish, construct, operate, maintain, or permit the use of property for a landfill where the limits of filling are or*

would be within an unstable area." As outlined in NR 514.045(1)(c), the following must be considered when determining whether an area is unstable:

- On-site or local soil conditions that may result in significant differential settling;
- On-site or local geologic or geomorphologic features; and
- On-site or local human-made features or events (both surface and subsurface).

GEI considered the overburden soil type and depth, the slope of the underlying bedrock, the proximity of the site to documented karst regions, the proximity of the site to documented oil wells, and the proximity of the site to documented gas wells. A Location Restriction Demonstration was prepared on October 12, 2018, in compliance with 40 CFR 257.64, that states the PPPP Ash Landfill is not located in an unstable area that could result in significant differential settlement or mass movement damaging the facility, as presented in Appendix F. Collectively, these satisfy the requirements of NR 514.045(1)(c).

4.4 Floodplains

Section NR 514.045(1)(d) of the Wis. Adm. Code states, "*the owner or operator of a new or existing CCR landfill must demonstrate that the facility or practices near floodplains may not restrict the flow of the regional flood, reduce the temporary water storage capacity of the floodplain, or result in washout of solid waste so as to pose a hazard to human life, wildlife, or land and water resources.*" The following source, presented in Appendix G, was utilized to determine if the Pleasant Prairie Power Plant is within a floodplain:

- Federal Emergency Management Agency (FEMA) floodplain map

A floodplain levee was constructed in 2000 on the PPPP Ash Landfill site to protect a portion of the permitted landfill area from being located withing the 100-year floodplain of the Unnamed Tributary No. 2 of Jerome Creek. GEI submitted certification of the floodplain levee construction on June 5, 2013, which is included in Appendix G. The location of the floodplain levee is shown on the FEMA floodplain map, also included in Appendix G.

The PPPP Ash Landfill waste footprint is outside of the flood plain. We Energies does not intend to expand the waste footprint of the PPPP Ash Landfill. Together these satisfy the requirements of NR 514.045(1)(d).

4.5 Aquifer Separation

Section NR 514.045(1)(f) of the Wis. Adm. Code states that the Plan of Operation Modification shall include, "*a demonstration that the CCR landfill design meets requirements under s. NR 514.12,*" which includes rule NR 504.12(3)(b) which states, "*a new CCR landfill or lateral expansion of a CCR landfill shall be designed and constructed with a subbase grade that is*

located no less than 5 feet above the upper limit of the uppermost aquifer, or shall demonstrate that there will not be an intermittent recurring or sustain hydraulic connection between any portion of the base of the CCR landfill and the uppermost aquifer due to normal fluctuations in groundwater elevations, including the seasonal high water table."

Ramboll Group (Ramboll) has performed the CCR groundwater monitoring at the PPPP Ash Landfill and have provided their Environmental Sampling and Analysis Plan, attached in Appendix O. Appendix O defines the uppermost aquifer at the PPPP Ash Landfill as the Silurian dolomite bedrock, as the intermediate till layers composed of sandy clay, silt, and sand/gravel layers existing above the bedrock are not continuous across the site. The bedrock elevation contour map on Figure 2-6 of Appendix O shows the uppermost elevations of the bedrock at PPPP Ash Landfill range from approximately +562.0 to +575.0 feet (NAVD88), increasing to the east, while top of subbase grades in the Cell 1 sump (lowest point on the Cell 1 floor) were designed at +674.0 feet, which is well above the minimum 5 feet above the upper limit of the uppermost aquifer. Furthermore, Ramboll has demonstrated that the intermediate sand layers do not hydraulically connect to the uppermost aquifer. Collectively, these satisfy conditions of NR 514.045(1)(f) and NR 514.12.

5. Plan of Operation

5.1 General

We Energies is in the process of closing the PPPP Ash Landfill and plans to subsequently enter the post-closure care period. This section of the Plan of Operation Modification will discuss the requirements of NR 504.12, including discussions of the construction base liner system, landfill operations, final cover system, and documentation. With We Energies' plan to close the PPPP Ash Landfill, some parts of this section will no longer be applicable, and will be discussed in each subsection.

5.2 Base Liner System

The PPPP Ash Landfill was originally designed as a natural attenuation facility and permitted to have a base liner system that was nominally compacted with no leachate collection system. In cells with a high groundwater table, the subbase was constructed with an additional 5 feet of compacted soil as a separation layer. With the issuance and approval of the 2013 Plan of Operation Modification, the base liner system of the PPPP Ash Landfill was modified to comply with NR 504.06 of the Wis. Adm. Code and consisted of, from bottom to top:

- 2-foot-thick compacted soil barrier layer
- geosynthetic clay liner (GCL)
- 60-mil HDPE geomembrane
- 12 oz/yd^2 non-woven geotextile
- 1-foot-thick granular drainage blanket

Cell 1, constructed in 2013 and 2014, featured this modified base liner system and satisfies conditions of NR 514.045(1)(f). Drawing PM-4 – Construction Details – Base Liner System, illustrates the base liner system constructed for Cell 1.

5.2.1 Sub-Base Grades

Sub-base grades of Cell 1 range from +674.0 feet to +689.0 feet, generally 100 feet above the Silurian dolostone uppermost aquifer. Excavated material or borrow material used as general fill for construction was placed in 12-inch lifts and compacted to a minimum of 90 or 95 percent of the modified or standard Proctor maximum dry density, respectively. Any soft or wet areas encountered during construction were excavated and placed with general fill quality soil. Stormwater management during construction of the sub-base included pumping water into temporary sediment traps. Topsoil removed during excavation was stockpiled on-site for use in the final cover system.

5.2.2 Compacted Soil Barrier Layer

The compacted soil barrier layer of Cell 1 of the PPPP Ash Landfill was constructed in accordance with NR 504.07(4), documented in accordance with NR 516, and satisfies conditions for the minimum design and construction criteria for CCR Landfills of NR 504.06(7). The soil barrier layer was placed in 6-inch compacted lifts and compacted to a minimum 90% of the modified Proctor maximum dry density or 95% of the standard Proctor dry density at the appropriate water content has defined in NR 504.06(2)(f)(3). Testing and monitoring of the compacted soil barrier layer followed the approved CQA Plan, attached as Appendix N.

5.2.3 Geosynthetic Clay Liner

Upon completion of the 2-foot-thick compacted soil barrier layer, the GCL was installed in accordance with NR 504.07 and the CQA Plan (Appendix N). GCL was installed in a relaxed condition, free of wrinkles or tension. The GCL was laid with a minimum 6 inches of overlap on longitudinal seams and 24 inches on panel end seams. GCL patches were placed over irregular shapes, cuts, or tears and overlapped a minimum of 12 inches. Seams were sealed with loose bentonite granules placed at a rate of one quarter pound per linear foot. The GCL was covered with geomembrane on the same day that it was unpacked and placed and anchored with perimeter anchor trenches.

The GCL was subject to manufacturer's quality control (MQC) testing prior to shipment. The material was specified to meet the physical properties and the manufacturer was required to provide the minimum test results as required by Table 6.1 in the CQA Plan (Appendix N.)

As required in 504.12(3)(a)5, a liner that utilizes a GCL and soil barrier layer shall be designed to have a liquid flow rate no greater than the liquid flow rate through 2 feet of compacted soil with a hydraulic conductivity of 1×10^{-7} cm/sec. Appendix H includes the liner design calculations used to calculate the hydraulic conductivity, leakage rate, veneer stability of the base liner system. Appendix H also includes a report summarizing compatibility testing of the GCL and PPPP Ash Landfill leachate. Appendix H satisfies conditions of NR 504.12(3) and NR 514.045(1)(f).

5.2.4 Geomembrane

A 60-mil HDPE geomembrane layer was installed above the GCL in Cell 1 in accordance with NR 504.06 and Section 7.2 of the CQA Plan. Specifications for the materials, installation, and documentation of the geomembrane are outlined in the CQA Plan (Appendix N). Geomembrane panels were positioned by suspending rolls of material with a front-end loader and unrolling the suspended material and fine positioning by hand. Care was taken to prevent damage to the GCL during placement of the geomembrane. Panels were overlapped approximately 4 inches and fusion-welded together. At seam intersections and other repair locations, a patch extending a minimum of 12 inches beyond the intersection or repair was extrusion-welded into place. All seams were non-destructively tested by air or vacuum testing. The integrity of fusion welds were

air tested, and extrusion welds were vacuum tested. Destructive testing of seams was performed at a frequency of one test per 500 feet of seam.

5.2.5 Geotextile Cushion Layer

A 12 oz/yd^2 geotextile cushion layer was installed above the geomembrane to provide protection during installation of the leachate collection system. Specification for the materials, installation, and documentation of the geotextile layer are provided in the CQA Plan (Appendix N).

5.2.6 Leachate Collection System

Leachate collection trenches were constructed as vee-trenches with sideslopes no steeper than 6H:1V to accommodate construction equipment and geomembrane liner installation. Drawing PM-4 – Construction Details – Base Liner System illustrates the leachate collection system on the base liner of Cell 1. The leachate collection system consists of a network of 6-inch-diameter SDR 17 HDPE perforated pipe contained within a 1-foot granular drainage layer. Cell 1 features one leachate line that drains to a sump on the west end of the cell. Two leachate head wells were installed on the east and west ends of Cell 1 to monitor leachate load levels. The locations of the head wells are shown on Drawing PM-2. Head well piping was placed directly on top of the geomembrane and was installed at a constant elevation across the Cell 1 floor.

A leachate collection vault was constructed at the top of the west berm and is shown on Drawing PM-5. The collection vault routes leachate into an underground force main and ultimately into the leachate storage tank, shown in Drawing PM-2 and PM-6. The leachate storage tank was constructed underground as a double-walled, steel-reinforced tank. The force main was constructed as a double-walled SDR 17 transfer pipe. The inner pipe is 4 inches in diameter, while the outer pipe is 8 inches in diameter.

5.3 Operation and Development

This section outlines the operating procedures and plans employed at the PPPP Ash Landfill in accordance with NR 514.045(1)(g) and NR 514.07(10). The various control measures to be implemented to ensure the operation of an efficient, nuisance-free, and environmentally sound ash disposal facility are discussed in the following sections, where applicable. With closure of Cell 1 there are no active areas at the PPPP Ash Landfill.

5.3.1 Hours of Operation

Hours of Operation at the PPPP Ash Landfill is limited to times when a We Energies employee or an authorized representative is at the landfill. Leachate hauling and post-closure care activities will occur periodically, and the access gate will be closed and secured after operations are finished for the day.

5.3.2 Traffic Routing

The site is accessed off Bain Station Road using the private all-weather access. Leachate haul trucks use this access road to access the leachate loadout pad. With Cell 1 final cover construction completed in 2021, traffic from ash haul vehicles is no longer present on site.

5.3.3 Lines and Grades

All survey information, unless stated otherwise is referenced to the Wisconsin State Plane Coordinates System, South Zone North American Datum 1983 (NAD83), U.S. Survey Feet. Vertical datum is North American Vertical Datum of 1988 (NAVD88). Existing permanent survey control monuments exist, as shown on Drawing PM-2 – Existing Site Conditions.

5.3.4 Nuisance Control

Nuisance-free operation depends on sound maintenance policies that are practiced throughout the life of the site. The factors to be addressed for nuisance-free operation are identified in the following paragraphs.

5.3.4.1 Dust

It is not anticipated that dust will be a problem at the PPPP Ash Landfill now that Cell 1 is closed. Vehicular traffic at the site is at a minimum. The 2015 fugitive dust control plan is attached in Appendix J and discussed in Section 6.1.

5.3.4.2 Odors

It is not anticipated that odors will be a problem at the PPPP Ash Landfill. The landfill was used for the disposal of coal ash and is closed. In addition, a leachate collection system will be properly maintained to minimize the potential for odors. If odors become a problem in the future, We Energies will work with the WDNR to establish procedures for odor control.

5.3.4.3 Disease Vectors

Conditions unfavorable to the propagation of insects and rodents shall be maintained. Supplemental insect and rodent control measures shall be instituted when necessary.

5.3.4.4 Noise

The equipment used on site have the proper mufflers and will be maintained in good operating condition to limit excessive objectionable noise.

5.3.5 Police and Fire Protection

Police, fire protection, and other emergency care services available to the site are provided primarily by We Energies, with assistance on an as-needed basis by the Village of Pleasant

Prairie. Fire extinguishers are located in the site structure, site vehicles, and heavy equipment. Fire protection will also be provided by the use of on-site soils and equipment.

5.3.6 Site Access

Access to the PPPP Ash Landfill is limited to times when a We Energies employee or an authorized representative is at the landfill. Access shall be controlled through the use of natural barriers, fencing, and gates. The site gate shall be closed and secured when the landfill is not in operation. Visitors are required to arrange visitation to the site through We Energies and are required to be accompanied by We Energies personnel while on-site.

5.3.7 Inclement Weather

Access road and surface water drainage design and maintenance will minimize disruption to post-closure care operations during most wet weather. If necessary, post-closure care operations will be temporarily halted if safety is jeopardized by unusually wet weather.

In the event of snow cover, the edges of roadways, culverts, and monitoring wells will be marked by stakes or flags, if required, due to snow depths and plowing needs. Snowplows or other heavy equipment will be used to clear the access roads.

5.3.8 Active Area Runoff Control

The We Energies PPPP Ash Landfill is closed.

5.3.9 Drainage and Erosion Control

Operational aspects of drainage and erosion control include proper management of surface water and maintenance of permanent drainage control facilities. Permanent vegetation has been established on all phases of final cover. Annual landfill inspections by a qualified Professional Engineer in the State of Wisconsin will examine the condition of the final cover system to determine if any erosion has occurred.

Clean surface water runoff is directed to a south conveyance ditch area which is carried to a west outlet ditch and carried to unnamed tributaries of Jerome Creek. Stormwater on the north cover area is directed away from the covered waste and is allowed to infiltrate into the ground.

5.3.10 Record Keeping

We Energies shall oversee the record keeping of permanent records pertinent to site operations and monitoring in accordance with NR 506.17. Records of various activities and operations occurring at the site include, but are not limited to, the following:

- Performance of the final cover system

- Scheduled maintenance activities
- Generated leachate quantities
- Inspection records
- Training procedures
- Notification procedures
- Closure and post-closure plans
- Financial responsibility
- Monitoring, testing, and analytical data, as required by NR 514.045(1)(h) and (i)

5.3.11 Collection Line Cleaning

Leachate collection and transfer lines will be cleaned with a high-pressure water jet sewer cleaner on an annual basis. During annual leachate line cleaning, sediment will be removed from the leachate collection sump, leachate storage tanks, and load-out pad catch basin. Sediment will be hauled off-site and disposed at the We Energies Caledonia Ash Landfill or at a licensed municipal solid waste landfill.

The leachate collection line and leachate transfer line are equipped with a clean-out at each end, extending up the sideslopes. The leachate force main will have a removable spool-piece contained within an access manhole at all "tees" to facilitate line cleaning. Cleaning debris will be pulled into the manholes, where it will be removed and hauled off-site for disposal.

5.3.12 Personnel and Equipment

We Energies bears the responsibility for the environmentally sound and efficient operation of the site. With the decommissioning of the PPPP, and Cell 1 no longer active, We Energies is responsible for providing personnel and equipment to the site when necessary.

5.4 General Ash Filling Procedures

The We Energies PPPP Ash Landfill is closed.

5.5 Leachate Management

The We Energies PPPP Ash Landfill is designed with a leachate collection system and single perforated pipe that collects and transmits leachate to the collection sump for removal. The collection sump is located along the west perimeter berm where a side-slope riser pipe is used for pump access and leachate removal. An automated pumping system extracts leachate from the sump and discharges into a junction manhole and transfer pipe that drains into three, 30,000-gallon leachate storage tanks (90,000-gallon total storage). Tanker trucks transport the leachate to the KWU for proper disposal in accordance with the facilities WPDES discharge permit.

The pumping system used to remove leachate from the landfill is designed to maintain the head on the liner system to less than 12 inches. At a minimum, weekly checks will be made to ensure the pumping system is operating correctly and leachate management is in compliance with this Plan of Operation Modification.

The sideslope riser pumps in Cell 1 operate in an independent simplex mode. When the pump selector switch is in AUTO, a pressure transducer mounted on the pump is used to sense the liquid level. Each pump controller has three set points ON-OFF-HIGH ALARM. The ON set point should turn the pump on and evacuate leachate from the sump. As leachate is removed and the liquid level decreases the pump turns off once the liquid level reaches the OFF set point. A HIGH ALARM signal is sent to the LCP-1-1 and LCP-2-1 and lights an alarm light on the control panel. Once the liquid level is reduced to below the high alarm level the light turns off automatically. The table below summarizes set points and elevations of the pumps in Cell 1.

POINT	READING	ELEVATION	DESCRIPTION
Piezometer	0.0 inches	+675.54	Center line of pump in sideslope riser pipe
Pump OFF	6.0 inches	+676.04	Pump off point is set so the pump will discontinue running while still completely submerged
Pump ON	24.0 inches	+677.54	Pump on set point
High Alarm	50.0 inches	+678.70	Equivalent to 12-inches of head on the base liner system adjacent to the sump

5.6 Final Cover System

The PPPP Ash Landfill was permitted to have 4H:1V perimeter waste graded from the limit of waste on the north, east, and west slopes to elevation +725.5 feet, and a 5% waste grade to a peak elevation of +748.8 feet. In 2018, We Energies modified the waste grades to a minimum 5% slope on the north, east, and west perimeter slopes to a peak elevation of +699.1 feet on Cell 1. The approved final cover system from the April 2012 Plan of Operation consisted of the following components, from bottom to top:

- 24-inch-thick compacted barrier layer (flue gas desulfurization (FGD) filter cake and fly ash)
- 40-mil textured linear low-density polyethylene (LLDPE) geomembrane
- 24-inch-thick rooting zone layer
- 6-inch-thick topsoil layer

Prior to premature closure, We Energies submitted a Plan of Operation Modification on August 31, 2018 to amended the soil barrier layer to include the use of on-site clay soils. On-site clay

soils were required to meet the material and installation requirements of NR 504.07(4)(a)(12) through (17).

Drawings PM-5 and PM-2, respectively, show the PPPP Ash Landfill Cell 1 final cover system details and the existing site conditions after final closure. Final cover design calculations, including the hydraulic conductivity, leakage rate, veneer stability of the final cover system, are presented in Appendix I and satisfy conditions of NR 504.12(4) and NR 514.045(1)(f).

5.6.1 Compacted Barrier Layer

The compacted barrier layer was constructed from the on-site clay soil salvaged from the PPPP coal pile compacted clay liner. The clay was placed, graded, and compacted in 6-inch lifts using a large padfoot compactor with a minimum operating weight of 30,000 pounds. The compacted barrier layer provided a firm, smooth surface for deployment of the geomembrane. The barrier layer was free of any angular particles protruding from the surface greater than 0.5 inches, sharp breaks in grade, or excessive rutting greater than 0.2 feet.

Construction quality assurance of the compacted barrier layer included material testing to document the material properties, compaction and moisture content testing, and undisturbed soil sampling for confirmation of the material properties. The compacted barrier layer testing rates and procedures during the construction were completed in accordance with the CQA Plan (Appendix N).

5.6.2 Geomembrane

Specifications for the materials, installation, and documentation of the 40-mil LLDPE geomembrane are outlined in the CQA Plan (Appendix N). Geomembrane panels were positioned by suspending rolls of material with a front-end loader and unrolling the suspended material by hand or with the aid of an ATV as the loader remained stationary. The geomembrane was installed in a loose and relaxed condition. Panels were overlapped approximately 4 inches and fusion-welded together. At seam intersections and other repair locations, a patch extending a minimum of 6 inches beyond the intersection or repair was extrusion welded into place. All seams were non-destructively tested, fusion welds were air pressure tested, and extrusion welds were vacuum box tested. Destructive testing of seam specimens was performed at a minimum frequency of one test per 500 feet per day per welder/seamer combination.

5.6.3 Geocomposite

The Cell 1 final cover geocomposite drainage layer was designed as a standard 200-mil geonet with a 4 oz/yd^2 nonwoven geotextile heat-bonded to each side. The geocomposite drainage layer was installed in a loose and relaxed condition. The geonet of adjacent panels were cable tied together every 5 feet along longitudinal seams and every 6 inches along end seam. The top

geotextile was sewn or continuously heat-tacked to prevent rooting zone material from clogging the geonet.

Subsurface drain tile was installed immediately above the geocomposite drainage layer at the toe of the final cover slope in accordance with NR 504.07(6). The drainage system included 4-inch diameter corrugated perforated polyethylene pipe in a geotextile sock. The pipe was buried in the rooting zone material and featured an outlet approximately every 200 feet. Specifications for the materials, installation, and documentation of the geocomposite are outlined in the CQA Plan (Appendix N).

5.6.4 Rooting Layer and Topsoil

A 24-inch-thick rooting layer was installed immediately above the geocomposite drainage layer followed by 6 inches of topsoil. The rooting zone and topsoil layers were constructed of on-site soils and installed to support vegetative growth. The rooting zone was placed over the geocomposite in a single lift using low ground pressure (LGP) dozers. The material was to be classified as SW, SP, SM, SC, ML, or CL and have a maximum particle size of 3 inches.

Topsoil capable of sustaining vegetative growth was placed and spread to a uniform thickness of 6 inches above the rooting zone. Once placed, the topsoil was fertilized, seeded, and mulched. The seed mix used in the final cover of Cell 1 was a WI 327 Rare and Declining Habitat (SAFE) Mesic CP42 Pollinator-Monarch 10/30 Wisconsin Conservation Mix provided by Taylor Creek Restoration Nurseries. The prairie seed mix was applied at a rate of 25.77 pounds per acre and a nurse crop of annual rye grass was applied at a rate of 32.53 pounds per acre. Permanent vegetation was established the following year after each phase of the final cover construction.

5.7 Surface Water Control

Surface water at closed Cell 1 is controlled by two sub-catchments, described in the run-on and run-off control plan in Appendix K and Section 6.2. Clean surface water runoff from the south sub-catchment cover area is directed to a south conveyance ditch area which is carried to a west outlet ditch and is directed towards unnamed tributaries of Jerome Creek. Stormwater on the north sub-catchment cover area is directed away from the covered waste and allowed to infiltrate into the ground. Sub-catchment areas are able to handle a 24-hour, 25-year precipitation event.

5.8 Construction Quality Assurance Observations and Documentation

In accordance with NR 516, base liner and final cover construction at the PPPP Ash Landfill Cell 1 was documented by a Professional Engineer registered in the state of Wisconsin. In addition, a Registered Professional Engineer or qualified technician under the direct supervision of a Registered Professional Engineer was present at all times during critical construction periods.

Reports documenting base liner and final cover construction were prepared in accordance with NR 516. Additional site-specific details regarding construction observation and documentation were provided in the CQA Plan and pre-construction reports.

Construction documentation reports were prepared following construction and closure of Cell 1 and included the following information:

- Description of weather conditions.
- Description of construction activities and work force activities for each task.
- Record survey data of all applicable layers.
- Record thickness data of compacted soil layers, leachate collection system, rooting zone, and topsoil.
- Sample location and test results from material testing of soil layers, leachate collection system, rooting zone, and topsoil.
- Results from material testing geomembrane, geotextile, and geocomposite drainage layers.
- Coordinates and elevation data for all piping, lateral, and tee connections.
- Construction details.
- Drawings and photographs of site construction.
- A description of any deviations from the WDNR-approved plan.

Construction documentation reports were submitted to the WDNR Bureau of Solid and Hazardous Waste Management regional office for review and approval.

6. Operational Plans

6.1 Fugitive Dust Control Plan

Section NR 514.07(10)(a) of the Wis. Adm. Code requires that the Plan of Operation Modification shall require a CCR fugitive dust control plan. The PPPP Ash Landfill fugitive dust control plan is attached in Appendix J and was prepared to meet the 40 CFR 257.80(b) and NR 514.07(10)(a) requirements. After the last phase of final cover was constructed over Cell 1, fugitive dust is not anticipated to be a concern at the PPPP Ash Landfill. The access road is paved and traffic will be minimal during post-closure care. The access road will be swept as necessary to minimize the accumulation of dust and dirt on the road surface that might become airborne due to the periodic truck traffic or high winds.

6.2 Run-on and Run-off Control Plan

An updated Run-on and Run-off Control Plan was submitted in June 2022 in accordance with § 257.81(c)(2) which required the owner or operator of the CCR unit to amend the plan whenever there is a change in the conditions that would substantially affect the written plan in effect. The change in conditions that required this update was the last phase of final cover construction on Cell 1, approved by the WDNR on June 17, 2022, that permanently closed the landfill. The updated Run-on and Run-off Control Plan is attached in Appendix K. The attached Run-on and Run-off Control Plan satisfies conditions of NR 514.07(10)(b) of the Wis. Adm. Code and requirements of this Plan of Operation Modification.

Section NR 504.12(2)(a) and (b) state that a run-on and run-off control system shall be designed to control a peak discharge resulting from a 24-hour, 25-year storm. The rainfall estimate for a 24-hour, 25-year storm for the PPPP Ash Landfill was determined following procedures outlined in Precipitation-Frequency Atlas of the United States, Atlas 14, Volume 8, Version 2: Wisconsin. For the PPPP Ash Landfill, a 24-hour, 25-year storm resulted in 4.52 inches of rainfall.

A stormwater run-off model was completed following final closure of Cell 1 and is attached in Appendix K. The closed cell was divided into two sub-catchments that directed stormwater off the final cover. The north sub-catchment directed flow off the covered waste to the north and allowed the water to infiltrate into the ground. The south sub-catchment directed flow to a south conveyance ditch, which carried water to the west outlet ditch which is directed southward away from the landfill discharging to unnamed tributaries of Jerome creek. The conveyance and outlet ditches are able to manage run-off form a 24-hour, 25-year precipitation event, and satisfy conditions of NR 514.07(10)(b).

6.3 Closure Plan

A written closure plan is attached in Appendix L and satisfies requirements of NR 514.07(10)(c) for this Plan of Operation Modification.

6.4 Post-Closure Care Plan

The written post-closure care plan is attached in Appendix M and satisfies requirements of NR 514.07(10)(d) and for this Plan of Operation Modification. Post-closure care at the PPPP Ash Landfill will be relegated to maintenance of the final cover system on Cell 1, maintaining the effectiveness of the leachate collection and removal system, and continuation of the groundwater monitoring network in accordance with NR 507.15(3). Final cover system maintenance includes mowing the final cover to inhibit the growth and presence of woody vegetation, and an annual inspection of the final cover to identify any settlement, subsidence, or erosion. If any of these conditions are observed, We Energies will be responsible for any final cover repairs as soon as practical.

We Energies will also be responsible for maintaining the groundwater monitoring system during post-closure care. The current groundwater monitoring system and sampling plan is provided in Appendix O from Ramboll and satisfies requirements of NR 514.045(1)(h) and (i).

7. Summary and Conclusion

On August 1, 2022, the WDNR updated NR 500 of the Wis. Adm. Code to include changes to new and existing CCR Landfills in the State of Wisconsin. We Energies, is submitting this Plan of Operation Modification for the PPPP Ash Landfill to comply with the updated Wis. Adm. Code for new or existing CCR Landfills in the State of Wisconsin in accordance with NR 514.045. Included in this Plan of Operation Modification submittal are the requirements outlined in NR 514.045(1) including: Professional Engineer certification [NR 500.05], performance standard demonstrations [NR 504.04(04)], locational criteria demonstrations [NR 504.04(3)], CCR landfill design [NR 504.10], landfill operational plans [NR 514.07(10)], and a CCR groundwater monitoring system and updated sampling plan [(NR 507.15(3)].

With the decommissioning of the PPPP and the closure of Cell 1, there is no active disposal operation at the facility. However. We Energies will maintain the operating license for the site. If it is necessary for disposal operations to resume, We Energies will submit a Plan of Operation Modification for approval by WDNR that complies with both 40 CFR 257 Subpart D and NR 500 to NR 538, Wis. Adm. Code for CCR landfills. We Energies respectfully requests that the WDNR grant this Plan of Operation Modification Approval for the PPPP Ash Landfill.

8. References

AECOM (2012). Plan of Operation Modification, Pleasant Prairie Power Plant Ash Landfill, WDNR License # 2786; FID #230056310, Pleasant Prairie, Wisconsin, April 2012.

GEI (2013). FEMA Floodplain Levee Certification. We Energies Pleasant Prairie Ash Landfill Floodplain Levee Certification, Pleasant Prairie, Wisconsin, June 5, 2013.

U.S. Geological Survey (USGS) and Illinois State Geological Survey, Quaternary fault and fold database for the United States, accessed October 19, 2022, at: https://www.usgs.gov/natural-hazards/earthquake-hazards/faults.

U.S. Geological Survey's Earthquake Hazard Program (EHP) and National Seismic Hazard Mapping Project (NSHMP) (2014). Unified Hazard Tool (UHT), version 4.2.0.

U.S. Geological Survey (USGS) (2019). Earthquake Hazards 201 – Technical Q&A, August 6, 2019.

Wisconsin Department of Natural Resources (1978). Conditional Plan of Operation Approval for Pleasant Prairie Power Plant Ash Landfill, May 12, 1978.

Wisconsin Department of Natural Resources (2013). Plan of Operation Modification Approval for Pleasant Prairie Power Plant Ash Landfill (P4 Landfill), Landfill Design Improvements, License # 02786, July 18, 2013.

Wisconsin Department of Natural Resources (2014). Construction Documentation Approval for Cell 1 Liner and Leachate Collection System, We Energies Pleasant Prairie Power Plant Ash Landfill, License # 2786, July 25, 2014.

Wisconsin Department of Natural Resources (2018). Conditional Plan of Operation Modification Approval for Pleasant Prairie Power Plant Ash Landfill, License # 02786, October 15, 2018.

Wisconsin Department of Natural Resources (2019). Construction Documentation Approval for Cell 1 Partial Final Cover at the Pleasant Prairie Power Plant Ash Landfill, License # 2786, July 18, 2019.

Wisconsin Department of Natural Resources (2021). Construction Documentation Approval for Cell 1 Partial Final Cover at the Pleasant Prairie Power Plant Ash Landfill, License # 2786, March 15, 2021.

Wisconsin Department of Natural Resources (2022). Construction Documentation Approval for Cell 1 Phase 3 Partial Final Cover at the Pleasant Prairie Power Plant Ash Landfill, License #2786, June 17, 2022.

Drawings

PM-1 Title Sheet

PM-2 Existing Site Conditions

PM-3 Cross-Sections A-A', B-B', C-C', D-D'

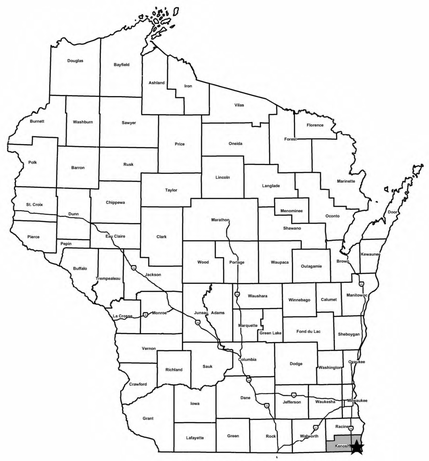
PM-4 Construction Details – Base Liner Systems

PM-5 Construction Details – Final Cover Systems

PM-6 Construction Details – Leachate Collection System Vault

PM-7 Construction Details – Leachate Collection System Tanks

WE ENERGIES-
PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
PLAN OF OPERATION MODIFICATION
VILLAGE OF PLEASANT PRAIRIE, WISCONSIN,
KENOSHA COUNTY, WISCONSIN
GEI PROJECT NO.: 2203724



WISCONSIN

Drawing Index

SHEET	TITLE
PM-1	TITLE SHEET
PM-2	EXISTING SITE CONDITIONS
PM-3	CROSS-SECTIONS A-A', B-B', C-C' AND D-D'
PM-4	CONSTRUCTION DETAILS - BASE LINER SYSTEMS
PM-5	CONSTRUCTION DETAILS - FINAL COVER SYSTEMS
PM-6	CONSTRUCTION DETAILS - LEACHATE COLLECTION SYSTEM VAULT
PM-7	CONSTRUCTION DETAILS - LEACHATE COLLECTION SYSTEM TANKS

SITE MAP

NOT TO SCALE

PREPARED FOR:

we energies

WE ENERGIES
333 WEST EVERETT STREET
MILWAUKEE, WISCONSIN

PREPARED BY:

GEI Consultants
3159 Voyager Drive
Green Bay, Wisconsin 54311
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JOHN MATHEW TRAST 37192-6 GREEN BAY WISCONSIN PROFESSIONAL ENGINEER 6/23/2023

NO.	DATE	ISSUE/REVISION	APP
1	9/29/2023	PLAN OF OPERATION MODIFICATION	JXT

DWG. NO. PM-1

SHEET NO. 1 OF 7

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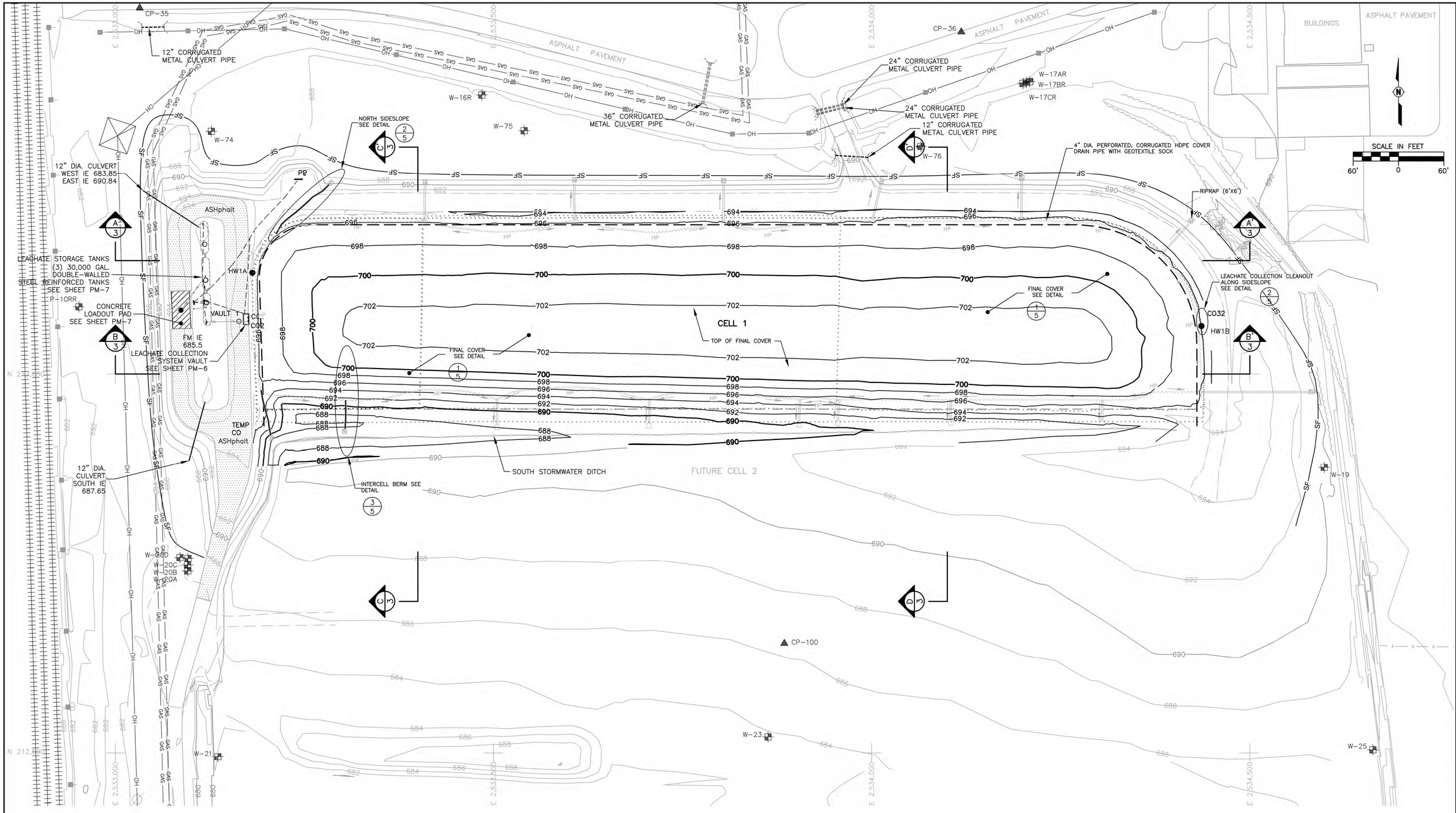

LEGEND

- EXISTING GROUND SURFACE CONTOUR (690)
- ROAD, NON PAVED
- ROAD, PAVED
- FENCE
- TREES/BRUSH
- CULVERT
- BUILDINGS
- GAS PIPE (GAS — GAS)
- FIBER COMMUNICATIONS (FIB)
- OVERHEAD ELECTRIC (OH)
- ELECTRIC TOWER
- RAILROAD TRACKS
- LANDFILL LIMIT OF WASTE
- LANDFILL CELL BOUNDARY
- W-21 MONITORING WELL
- CP-100 SURVEY CONTROL MONUMENT
- STEEL POLE ELECTRIC TRANSMISSION TOWER
- RAILROAD TELEPHONE POLE
- MONUMENT FOUND
- GEOMEMBRANE ANCHOR TRENCH
- CO2 LEACHATE COLLECTION CLEANOUT
- VAULT 1 LEACHATE COLLECTION VAULT
- LEACHATE TRANSFER PIPE
- HW1A LEACHATE HEADWELL
- WISDOT E1 BITUMINOUS ASHphalt PAVEMENT
- SF SILT FENCE
- 690 FINAL COVER CONTOUR WITHIN FINAL COVER AREA (12/8/2021)
- FINAL COVER GEOMEMBRANE LIMIT
- COVER DRAIN PIPE
- COVER OUTLET DRAIN PIPE (NON-PERFORATED)

NOTES:

1. HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATES SOUTH ZONE, NAD 83.
2. VERTICAL DATUM BASED ON REFERENCE MARK, WISCONSIN DIVISION OF HIGHWAYS. ALUMINUM CAP SET IN TOP OF EAST END OF CONCRETE BRIDGE WALL, 2.7' ABOVE GROUND, ELEVATION 715.42. CAP IS LOCATED 1.2' WEST OF TOP BEVEL. THE CONCRETE BRIDGE IS LOCATED WHERE STH "50" CROSSES THE CP RAILROAD TRACKS ON THE NORTHWEST SIDE OF THE SITE. ELEVATIONS REFERENCED TO NAVD 88.
3. CELL 1 TOP OF FINAL COVER SURVEY PERFORMED BY EDGERTON ON DECEMBER 8, 2021.

CONTROL POINT DATA

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	213741.91	2532958.45	715.42	BM B-30-48-78: ALUMINUM CAP ON TOP OF CONCRETE WALL
30	211877.98	2533092.40	684.09	CUT CROSS
31	210593.02	2533131.43	683.92	CUT CROSS
32	208734.70	2533178.76	681.48	MAG NAIL
33	209470.52	2534928.84	683.53	IPI1" W/CAP
34	211916.15	2534703.67	682.90	IPI1" W/CAP
35	213483.71	2533032.15	686.41	MAG NAIL
36	213452.09	2534118.49	687.83	MAG NAIL
100	212644.65	2533884.50	691.25	RBR W/CAP

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GREEN BAY, WI 54311
(920)455-8200

we energies

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL PLAN OF OPERATION MODIFICATION

P.E. No.:	
Approved:	JXT
Checked:	JXT
Drawn:	JLC
Designed:	JLC
GEI Project:	2203724

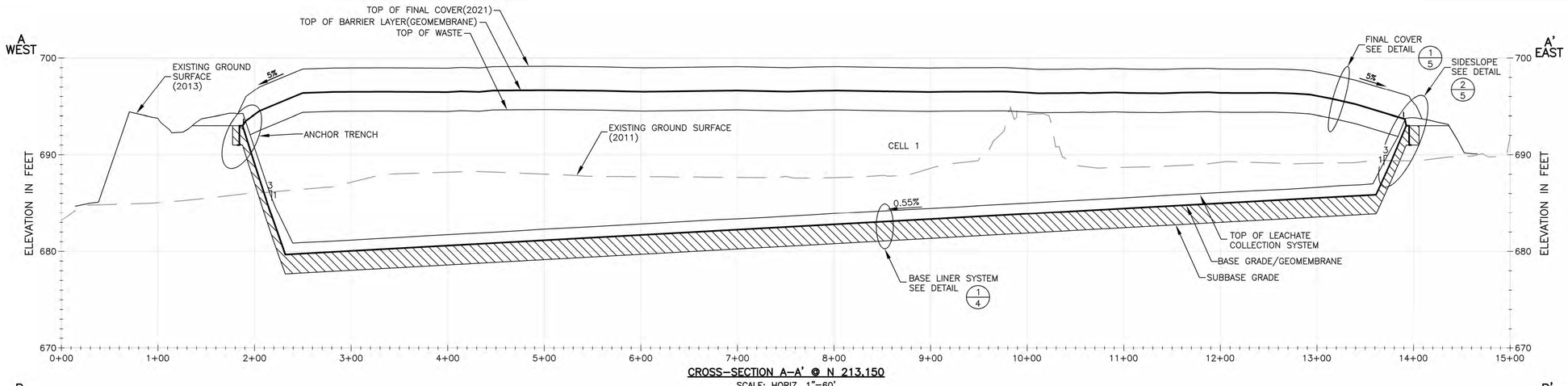
Attention: 0 1"
If this scale bar does not measure 1" then drawing is not original scale.

NO.	DATE	ISSUE/REVISION	APP
1	9/29/2023	PLAN MOD	JXT

EXISTING SITE CONDITIONS

DWG. NO.
PM-2

SHEET NO.
2 OF 7



CROSS-SECTION A-A' @ N 213,150
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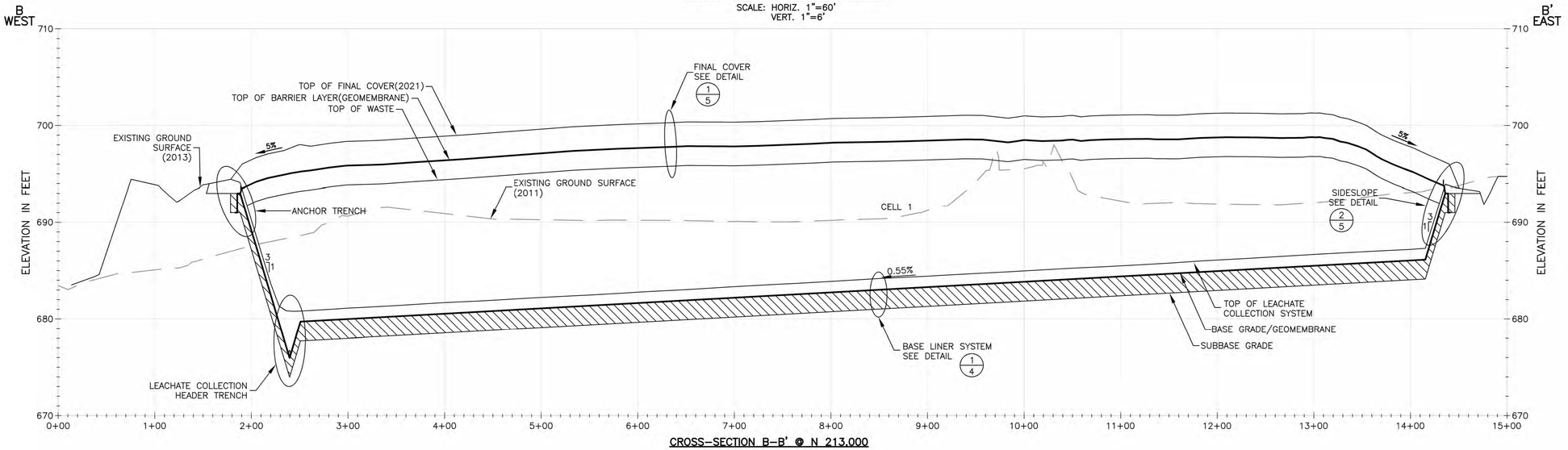
VERT. 1"=6'



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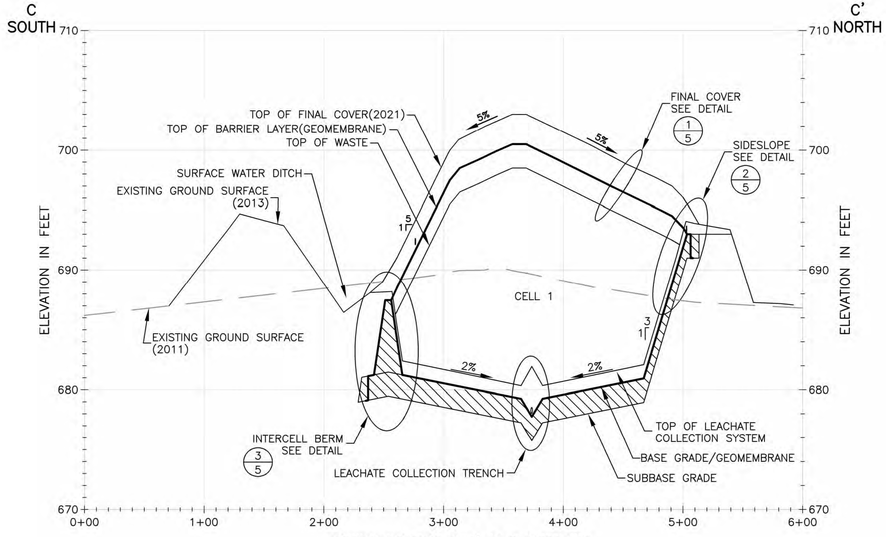

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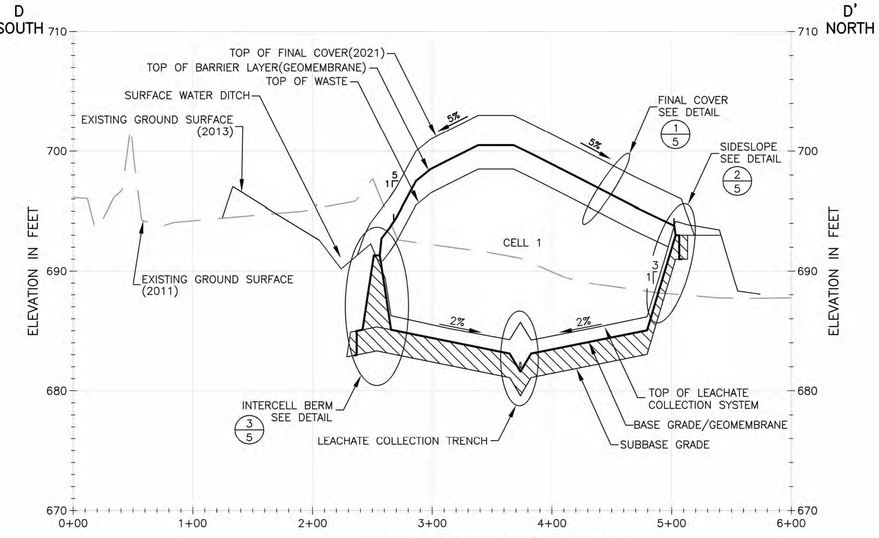

CROSS-SECTION D-D' @ E 2,534,100
SCALE: HORIZ. 1"=60'
VERT. 1"=6'

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PLEASANT PRAIRIE POWER PLANT ASH LANDFILL PLAN OF OPERATION MODIFICATION

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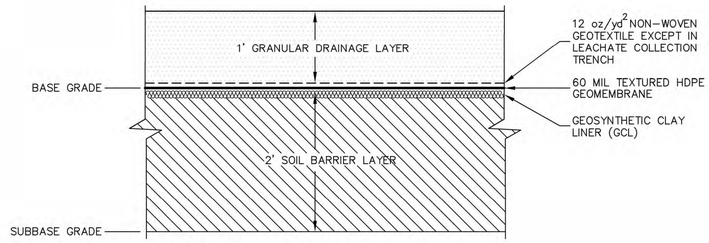
NO.	DATE	ISSUE/REVISION	APP
1	9/29/2023	PLAN MOD	JXT

CROSS-SECTIONS A-A', B-B', C-C' AND D-D'

DWG. NO.
PM-3
SHEET NO.
3 OF 7



1/4 BASE LINER DETAIL
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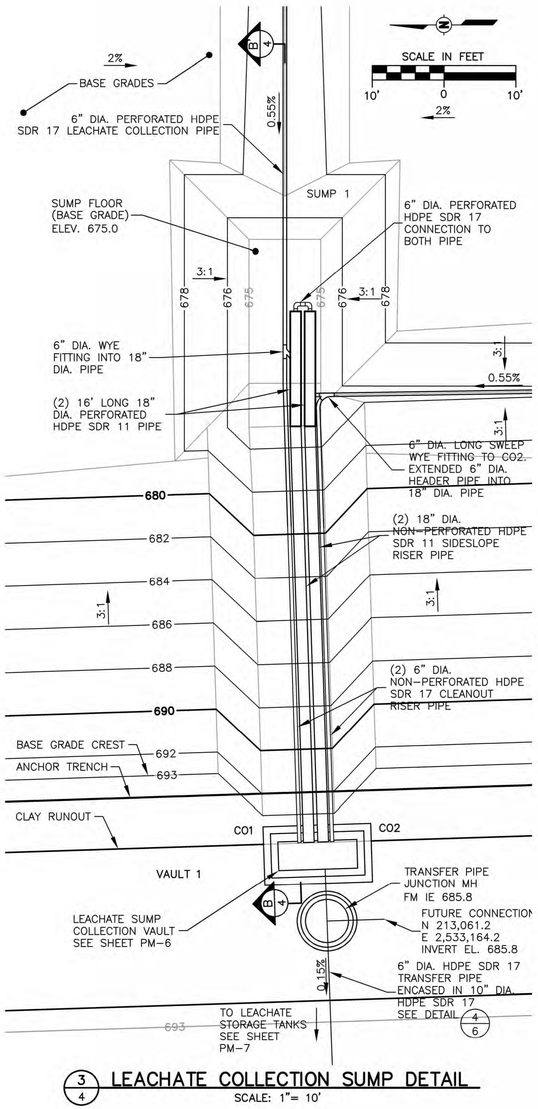

3/4 LEACHATE COLLECTION SUMP DETAIL
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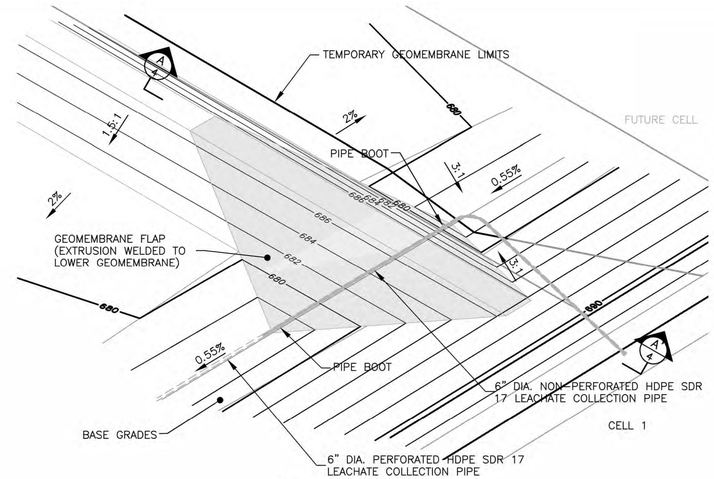
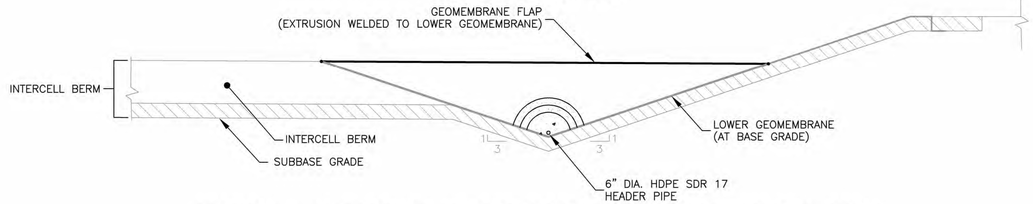
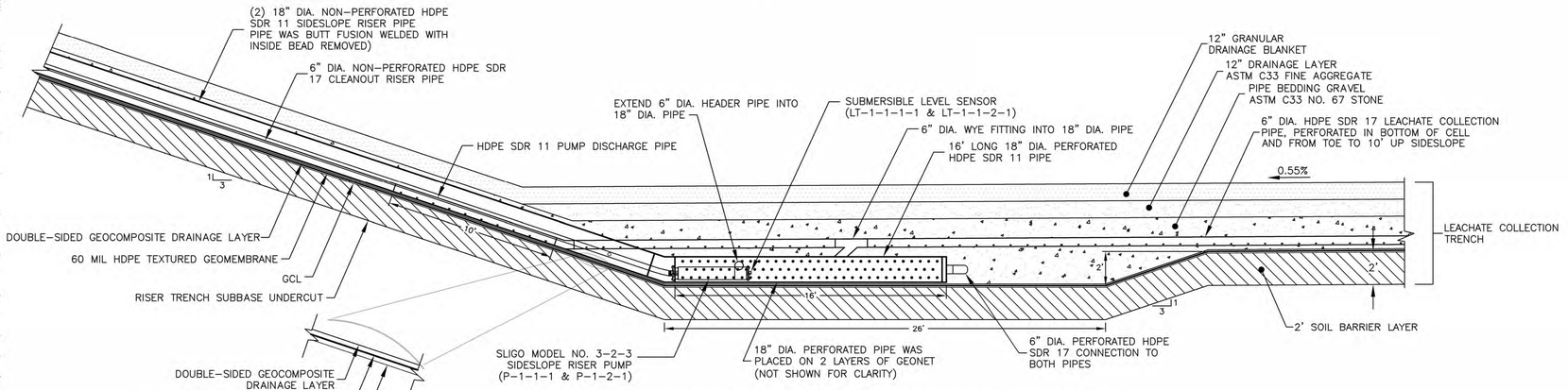


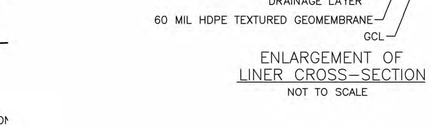
GEOMEMBRANE FLAP



SECTION A-A' THROUGH HEADER PIPE CROSSING AT INTERCELL BERM
SCALE: 1"= 10'

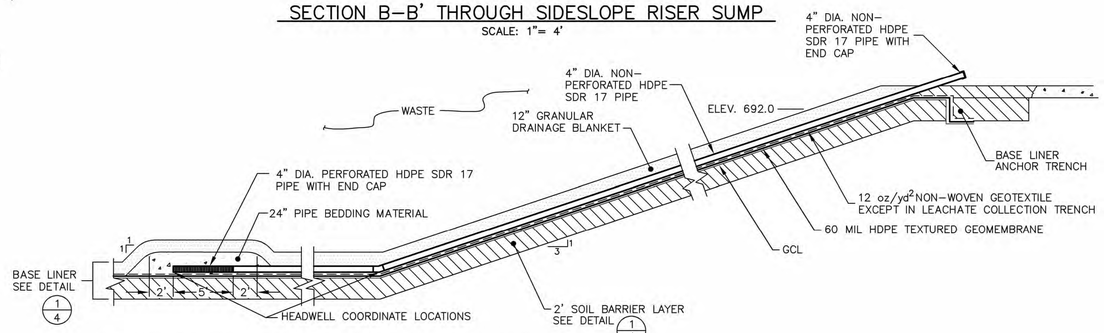
HEADER PIPE CROSSING AT
2/4 INTERCELL BERM DEVELOPMENT DETAIL
NOT TO SCALE





ENLARGEMENT OF
LINER CROSS-SECTION
NOT TO SCALE

SECTION B-B' THROUGH SIDESLOPE RISER SUMP
SCALE: 1"= 4'



4/4 LEACHATE HEAD MONITORING SIDESLOPE RISER DETAIL
SCALE: 1"= 6'

GEI Consultants
GEI CONSULTANTS, INC.
3159 VOYAGER DRIVE
GREEN BAY, WI 54311
(920)455-8200

we energies

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL PLAN OF OPERATION MODIFICATION

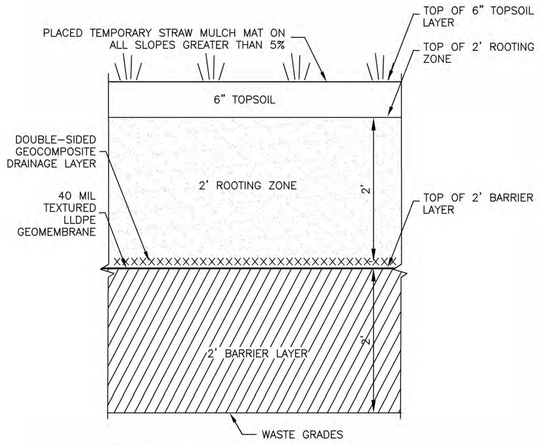
P.E. No.:	
Approved:	JXT
Checked:	JXT
Drawn:	JLC
Designed:	JLC
GEI Project:	2203724

Attention: 0 1"
If this scale bar does not measure 1" then drawing is not original scale.

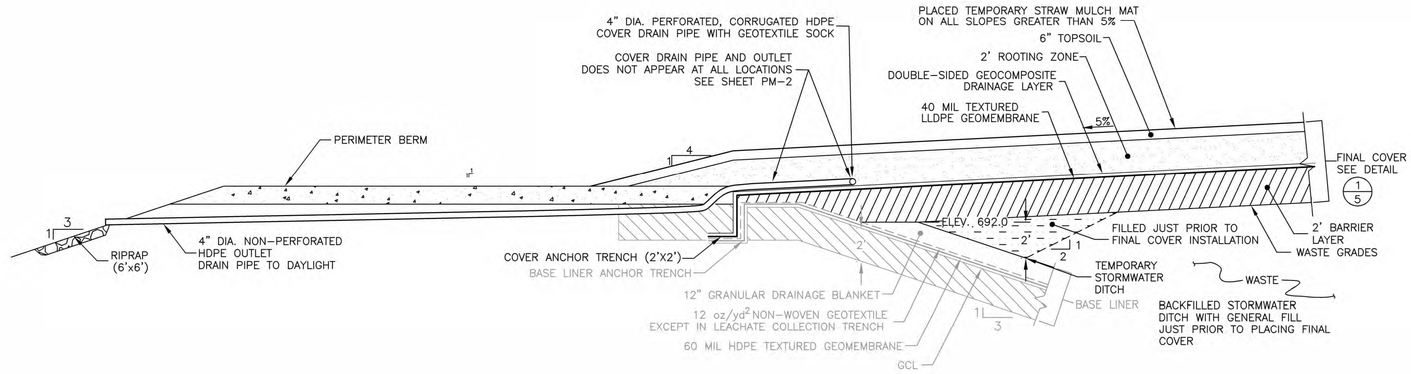
NO.	DATE	ISSUE/REVISION	APP
1	9/29/2023	PLAN MOD	JXT

CONSTRUCTION DETAILS- BASE LINER SYSTEM

DWG. NO.
PM-4
SHEET NO.
4 OF 7

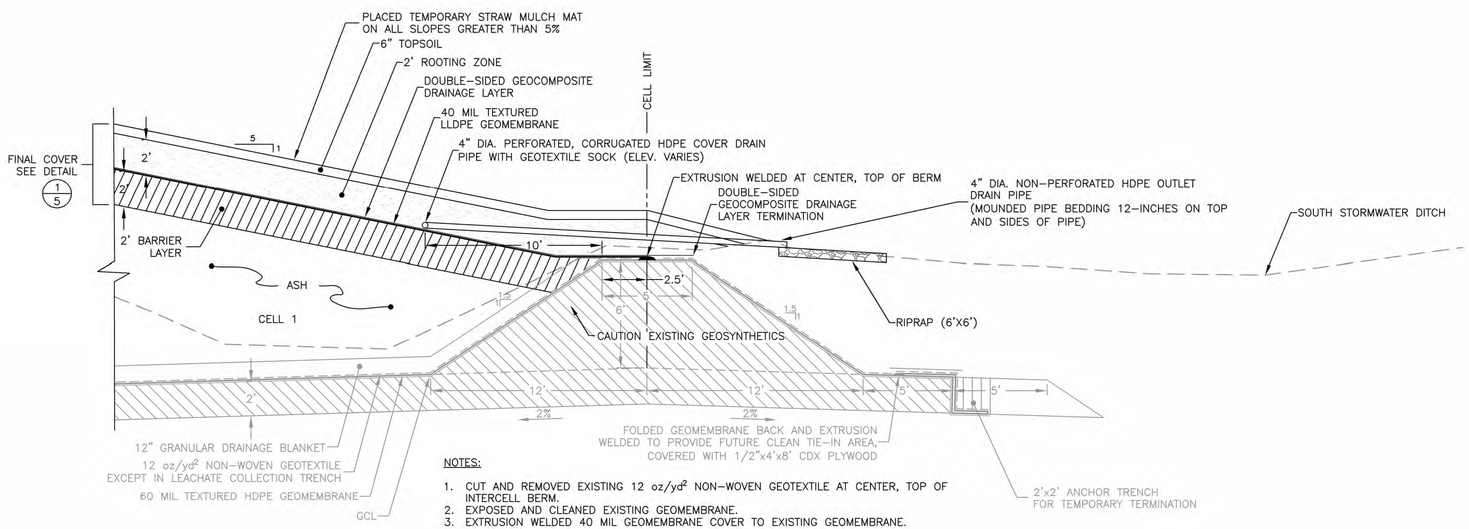


1/5 FINAL COVER DETAIL
SCALE: 1"= 1'



(NORTH & EAST SLOPES)

2/5 SIDESLOPE & FINAL COVER DETAIL
SCALE: 1"= 4'



NOTES:

1. CUT AND REMOVED EXISTING 12 oz/yd² NON-WOVEN GEOTEXTILE AT CENTER, TOP OF INTERCELL BERM.
2. EXPOSED AND CLEANED EXISTING GEOMEMBRANE.
3. EXTRUSION WELDED 40 MIL GEOMEMBRANE COVER TO EXISTING GEOMEMBRANE.

3/5 INTERCELL BERM DETAIL
SCALE: 1"=4'

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GREEN BAY, WI 54311
(920)455-8200

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL PLAN OF OPERATION MODIFICATION

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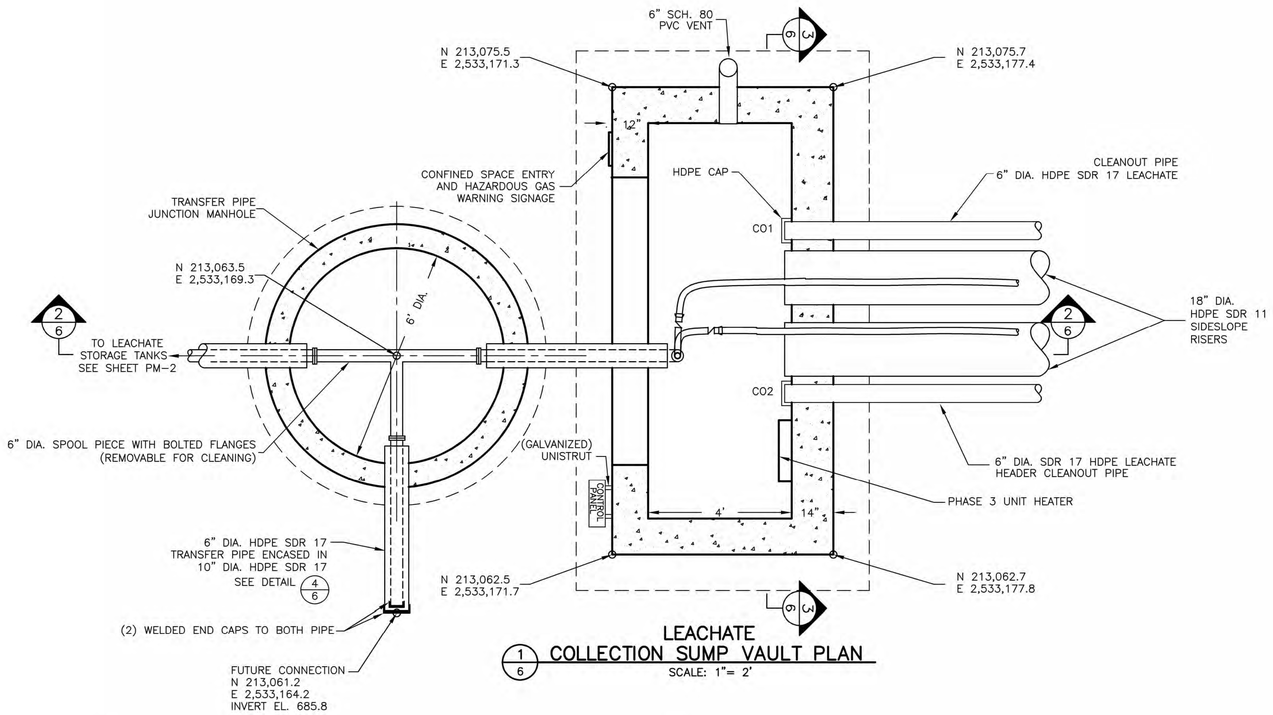
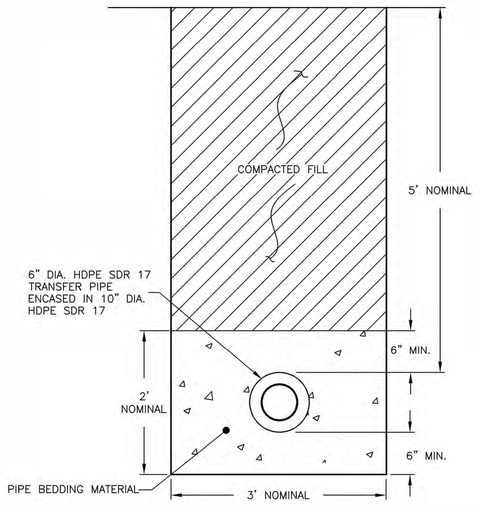
1	9/29/2023	PLAN MOD	JXT

CONSTRUCTION DETAILS - FINAL COVER SYSTEMS

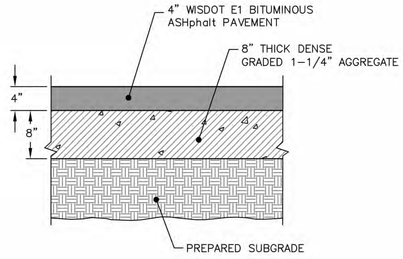
DWG. NO.
PM-5
SHEET NO.
5 OF 7



1/6 LEACHATE COLLECTION SUMP VAULT PLAN
SCALE: 1"= 2'

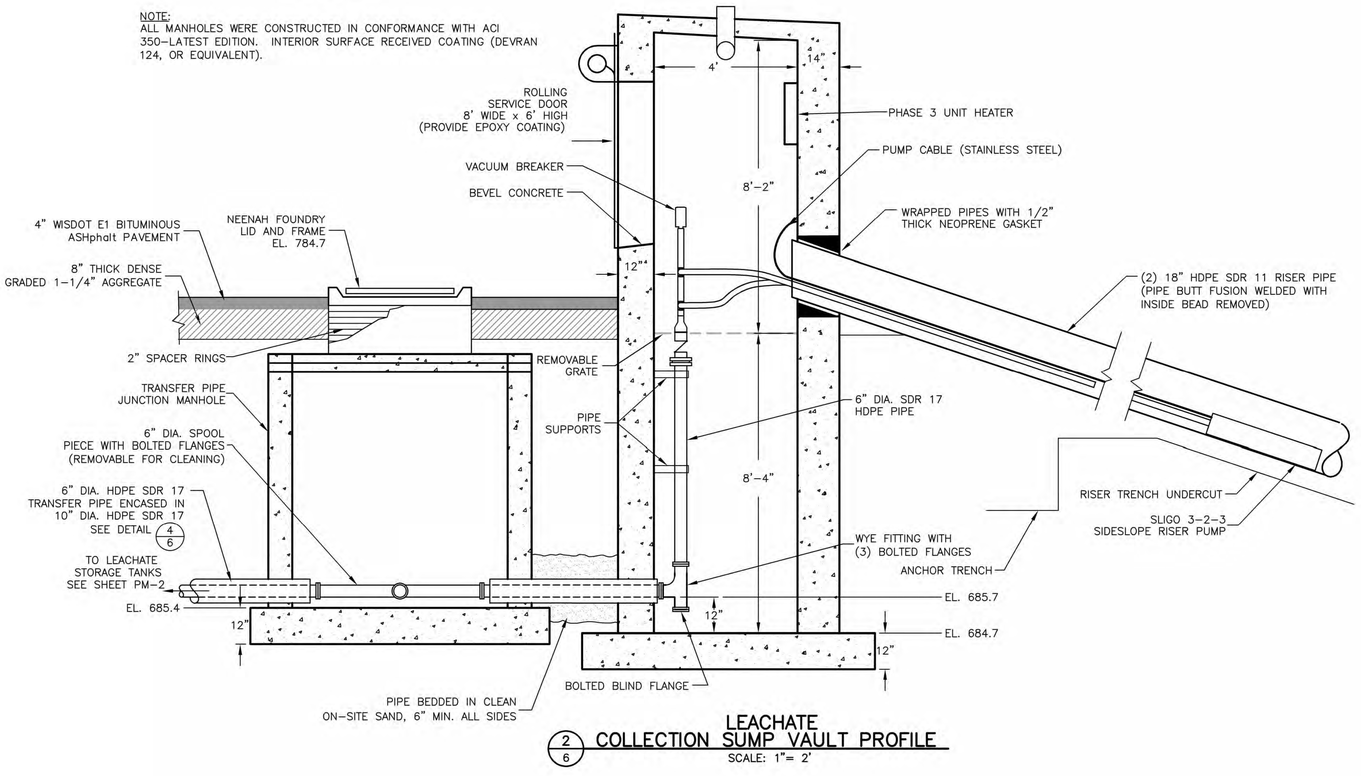


4/6 LEACHATE TRANSFER PIPE TRENCH DETAIL
SCALE: 1"= 1'

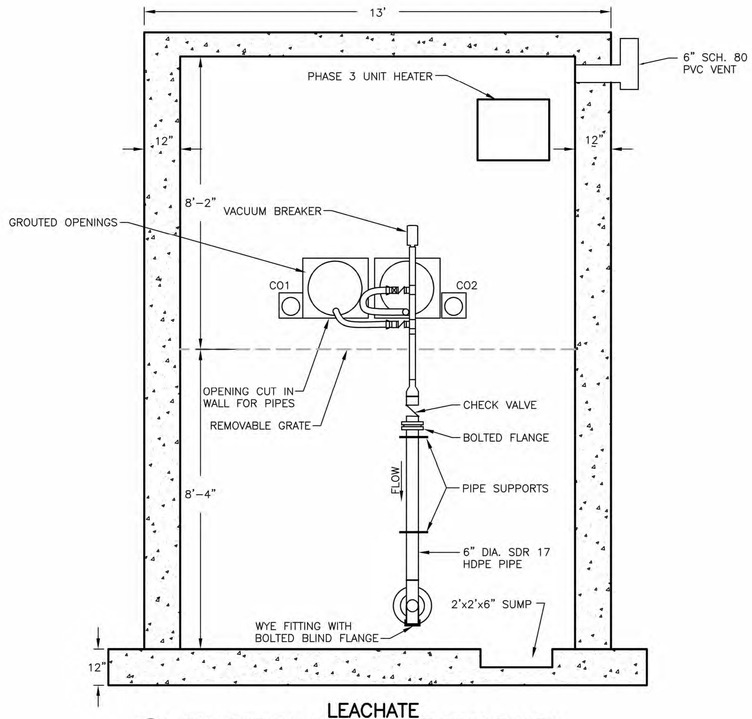


5/6 BITUMINOUS ASPHALT PAVEMENT DETAIL
SCALE: 1"= 1'

NOTE:
ALL MANHOLES WERE CONSTRUCTED IN CONFORMANCE WITH ACI 350-LATEST EDITION. INTERIOR SURFACE RECEIVED COATING (DEVRAN 124, OR EQUIVALENT).



2/6 LEACHATE COLLECTION SUMP VAULT PROFILE
SCALE: 1"= 2'



3/6 LEACHATE COLLECTION SUMP VAULT FRONT VIEW
SCALE: 1"= 2'

GEI Consultants
GEI CONSULTANTS, INC.
3159 VOYAGER DRIVE
GREEN BAY, WI 54311
(920)455-8200

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PLEASANT PRAIRIE POWER PLANT ASH LANDFILL PLAN OF OPERATION MODIFICATION

P.E. No.:	
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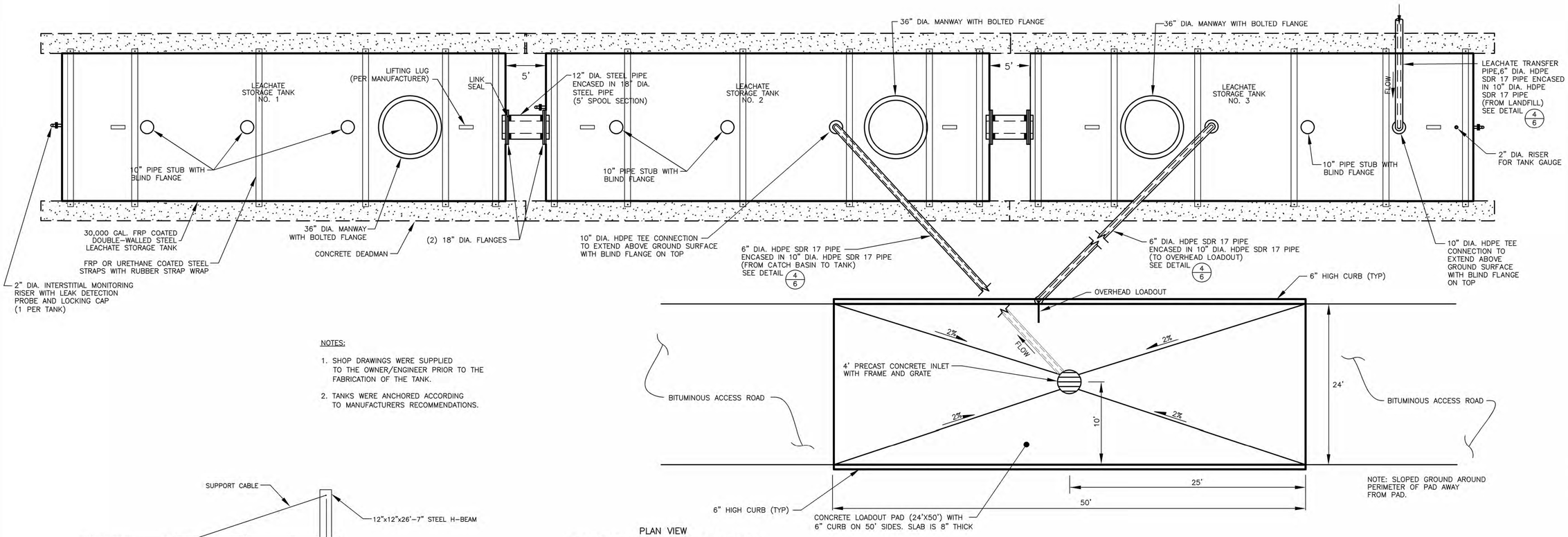
1	9/29/2023	PLAN MOD	JXT

CONSTRUCTION DETAILS- LEACHATE COLLECTION SYSTEM VAULT

DWG. NO.
PM-6

SHEET NO.
6 OF 7



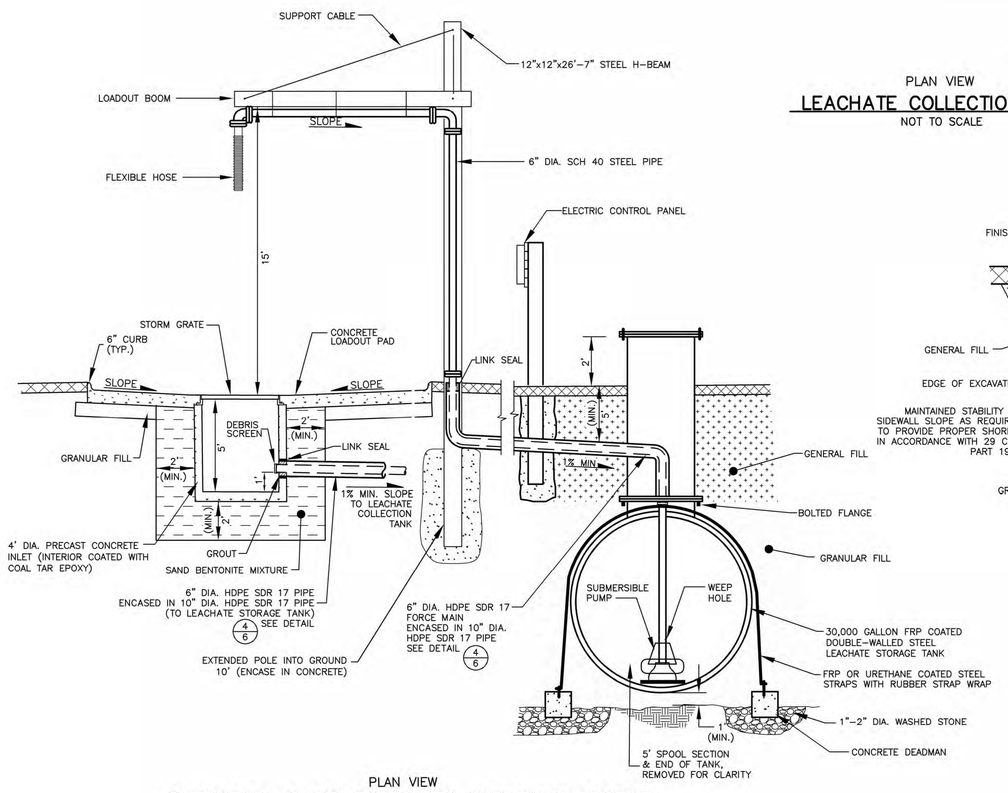
NOTES:

1. SHOP DRAWINGS WERE SUPPLIED TO THE OWNER/ENGINEER PRIOR TO THE FABRICATION OF THE TANK.
2. TANKS WERE ANCHORED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

PLAN VIEW

LEACHATE COLLECTION TANK

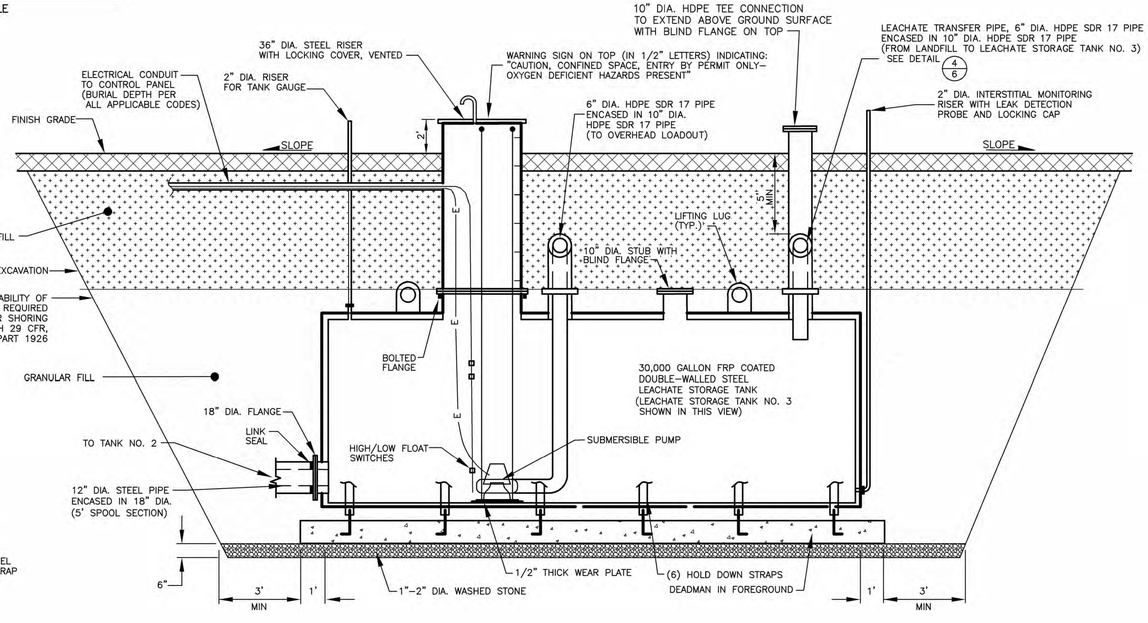
NOT TO SCALE



PLAN VIEW

OVERHEAD LOADOUT FACILITY AND TANK PROFILE

NOT TO SCALE



SECTION THROUGH LEACHATE COLLECTION TANK

LEACHATE COLLECTION TANK

NOT TO SCALE

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NO.	DATE	ISSUE/REVISION	APP
1	9/29/2023	PLAN MOD	JXT

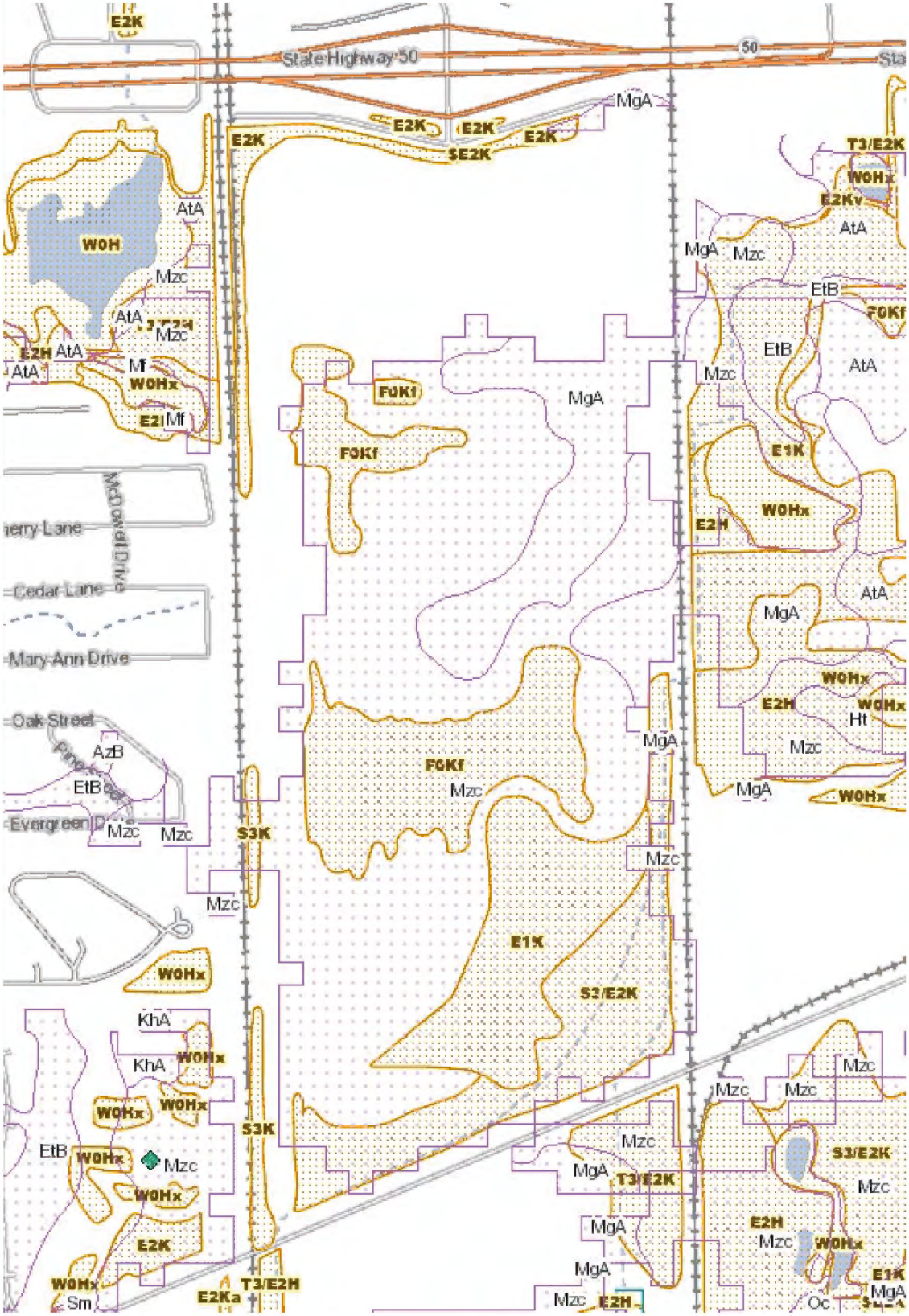
CONSTRUCTION DETAILS- LEACHATE COLLECTION SYSTEM TANKS

DWG. NO.
PM-7
SHEET NO.
7 OF 7

Appendix A

Wetland Demonstration

Wisconsin Department of Natural Resources: Wetland Map



Legend

- Wetland Indicators
- Wetland Class Areas
- Wetland Class Points
  - Dammed pond
  - Excavated pond
  - Filled/drained wetland
  - Wetland too small to delineate
  - Filled excavated pond
- Filled Points
- Wetland Class Areas
- Filled Areas
- Wetland Class Areas
- Wetland Class Points
  - Dammed pond
  - Excavated pond
  - Filled/drained wetland
  - Wetland too small to delineate
  - Filled excavated pond
- Filled Points
- Wetland Class Areas
- Filled Areas
- Wetland Identifications and Confirmations
- NRCS Wetspots
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
  - Interstate Highway
  - State Highway
  - US Highway
- County and Local Roads
  - County HWY
  - Local Road
- Railroads
- Tribal Lands
- Rivers and Streams
- Intermittent Streams

0.3 0 0.13 0.3 Miles

1: 7,920

NAD_1983_HARN_Wisconsin_TM

Notes

Wisconsin Department of Natural Resources: Wetland Map

Legend

- Wetland Indicators
- Wetland Class Areas
- Wetland Class Points
  - Dammed pond
  - Excavated pond
  - Filled/drained wetland
  - Wetland too small to delineate
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  - Interstate Highway
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  - County HWY
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- Railroads
- Tribal Lands
- Rivers and Streams
- Intermittent Streams

0.3 0 0.13 0.3 Miles

1: 7,920

NAD_1983_HARN_Wisconsin_TM

Notes

U.S. Fish and Wildlife Service
National Wetlands Inventory

FWS NWI Map

September 21, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Map Scale: 1:9,630 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 100 200 400 600

Feet
0 450 900 1800 2700

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kenosha and Racine Counties, Wisconsin
Survey Area Data: Version 18, Sep 9, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 20, 2020—Jun 25, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AtA	Ashkum silty clay loam, 0 to 2 percent slopes	1.5	0.5%
AzB	Aztalan loam, 2 to 6 percent slopes	0.3	0.1%
EtB	Elliott silty clay loam, 2 to 6 percent slopes	0.1	0.0%
MeB	Markham silt loam, 2 to 6 percent slopes	20.8	7.1%
Mf	Marsh	0.0	0.0%
MgA	Martinton silt loam, 1 to 3 percent slopes	51.5	17.6%
Mzc	Montgomery silty clay	216.0	73.9%
W	Water	1.9	0.7%
Totals for Area of Interest		**292.2**	**100.0%**

Appendix B

Endangered or Threatened Species Demonstration

Endangered Resources Preliminary Assessment

Created on **9/21/2022**. This report is good for one year after the created date.

DNR staff will be reviewing the ER Preliminary Assessments to verify the results provided by the Public Portal. ER Preliminary Assessments are only valid if the project habitat and waterway-related questions are answered accurately based on current site conditions. If an assessment is deemed invalid, a full ER review may be required even if the assessment indicated otherwise.

Results

A search was conducted of the NHI Portal within a 1-mile buffer (for terrestrial and wetland species) and a 2-mile buffer (for aquatic species) of the project area. Based on these search results, below are your next steps.

No further action is necessary.

This project is covered by the Broad Incidental Take Permit/Authorization for No/Low Impact Activities (No/Low BITP/A) (https://dnr.wi.gov/topic/ERReview/ITNoLowImpact.html). This BITP/A covers projects that the DNR has determined will have no impact or a minimal impact to endangered and threatened species in the state. Due to this coverage under the No/Low BITP/A, a formal review letter is not needed and there are no actions that need to be taken to comply with state and/or federal endangered species laws, any take that may result from the proposed project is permitted/authorized.

A copy of this document can be kept on file and submitted with any other necessary DNR permit applications to show that the need for an ER Review has been met. This notice only addresses endangered resources issues. This notice does not constitute DNR authorization of the proposed project and does not exempt the project from securing necessary permits and approvals from the DNR and/or other permitting authorities.

Project Information

Landowner name	
Project address	
Project description	

Project Questions

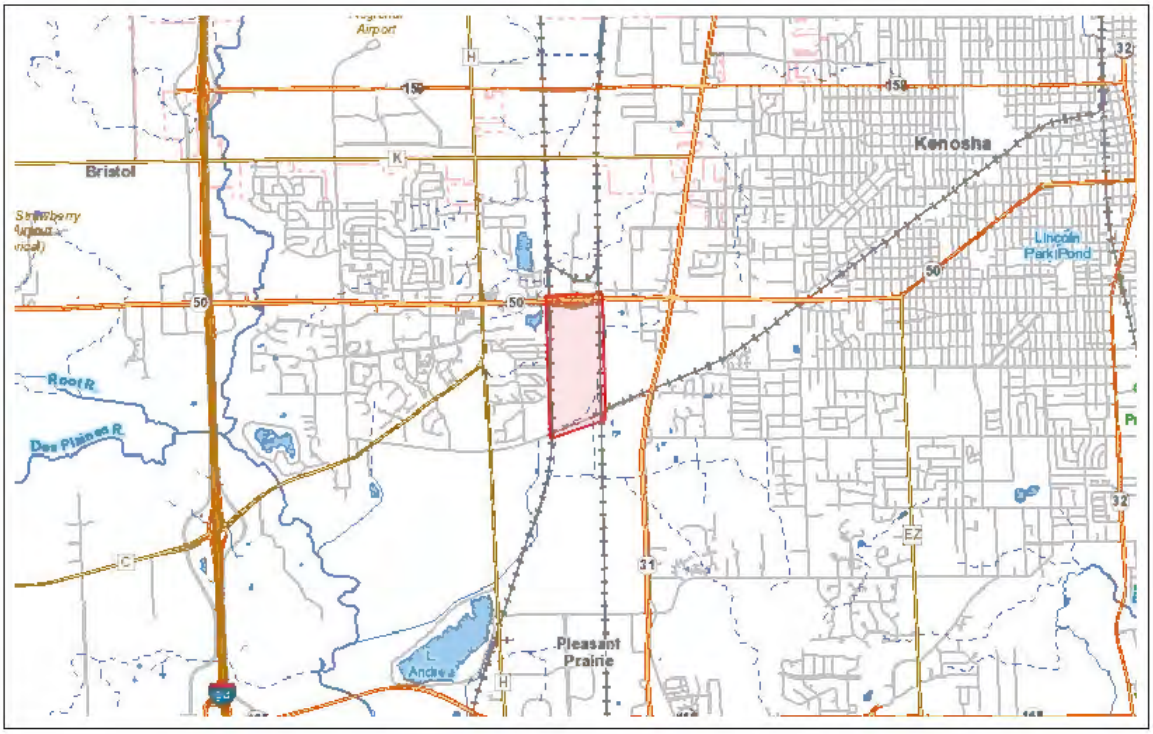
Does the project involve a public property?	**No**
Is there any federal involvement with the project?	**No**
Is the project a utility, agricultural, forestry or bulk sampling (associated with mining) project?	**Yes**
Is the project property in Managed Forest Law or Managed Forest Tax Law?	**No**
Project involves tree or shrub removal?	**No**
Is project near (within 300 ft) a waterbody or a shoreline?	**Yes**
Is project within a waterbody or along the shoreline?	**No**

Does the project area (including access routes, staging areas, laydown yards, select sites, source/fill sites, etc.) occur **entirely within** one or more of the following habitats?

Urban/residential	**Yes**
Manicured lawn	**No**

Artificial/paved surface	**No**
Agricultural land	**No**
Areas covered in crushed stone or gravel	**No**

Project Area Maps



Appendix C

Surface Water Demonstration

U.S. Fish and Wildlife Service
National Wetlands Inventory

FWS NWI Map

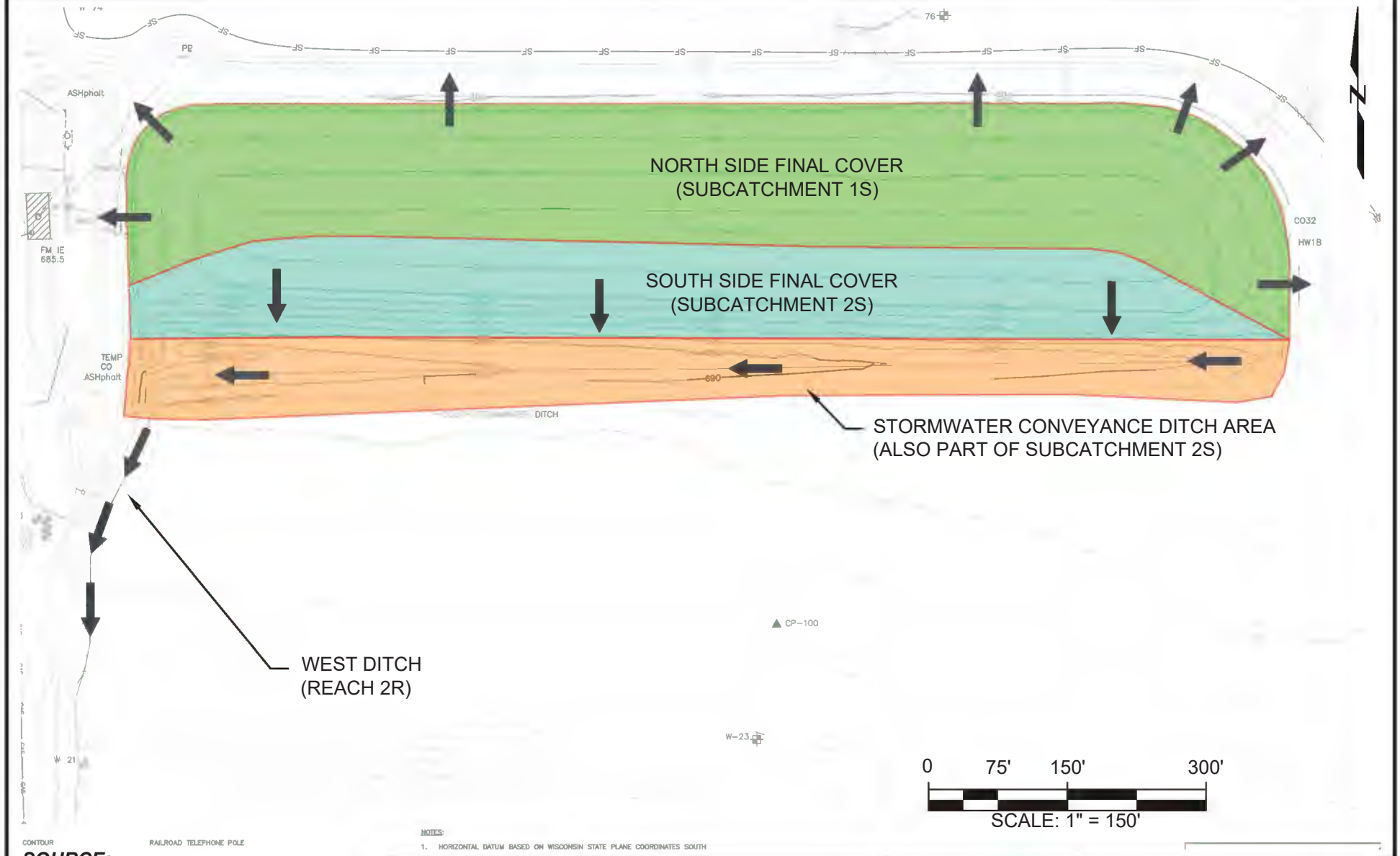
September 21, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper



SOURCE:

1. PLAN BASED ON DWG 1, PPPP ASH LANDFILL CELL 1, SUBMITTAL DATE 2/16/2022

Run-on and Run-off Control Plan Revision 2
Pleasant Prairie Ash Landfill Cell #1
Pleasant Prairie, Wisconsin

We Energies
Milwaukee, Wisconsin

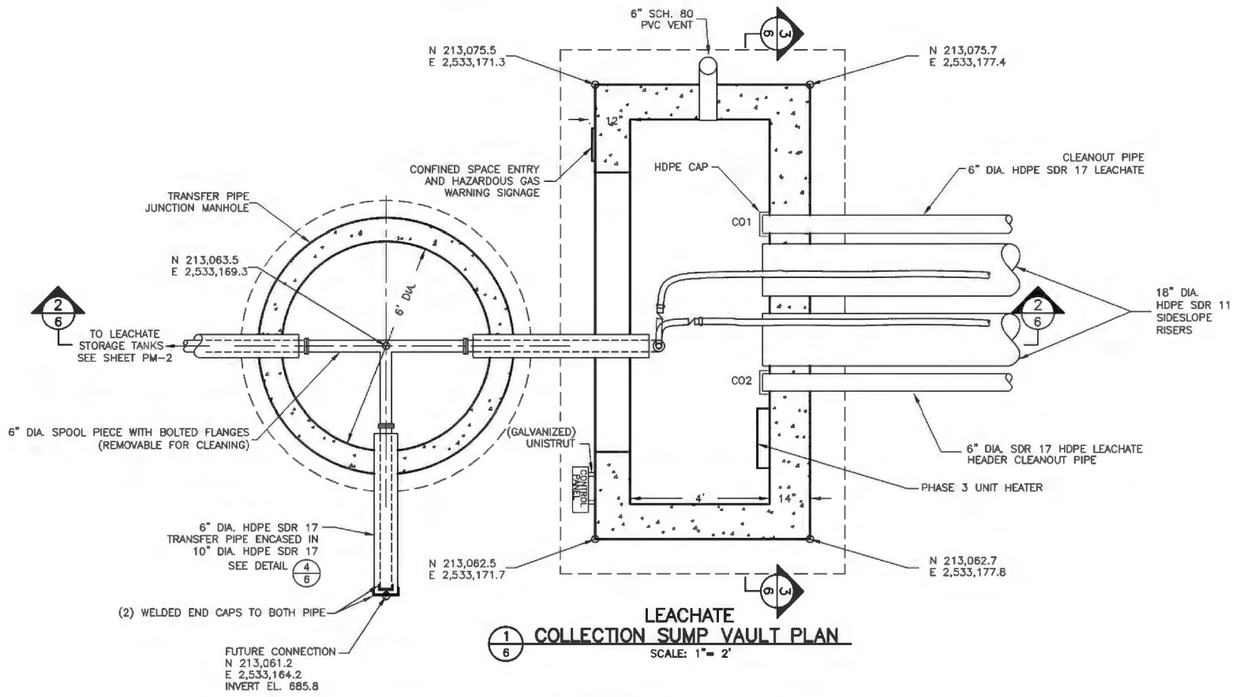
GEI Consultants

Project 2103683

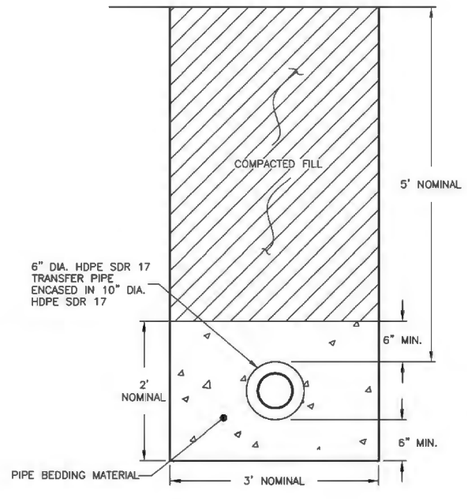
Run-Off Stormwater Flow Diagram

February 2022 Fig. 1

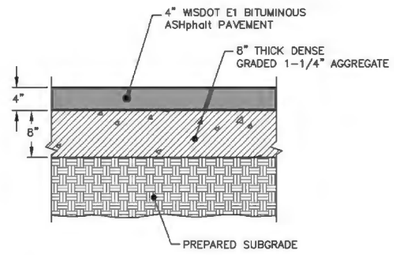
\\grb-pzcc-1\ J:\Landfills\WE - P4\1610534_run-on run-off control plan\dwgs\2022_Rev2\2103683_SW_Calc Figure.dwg - 2/17/2022



1/6 LEACHATE COLLECTION SUMP VAULT PLAN
SCALE: 1"= 2'

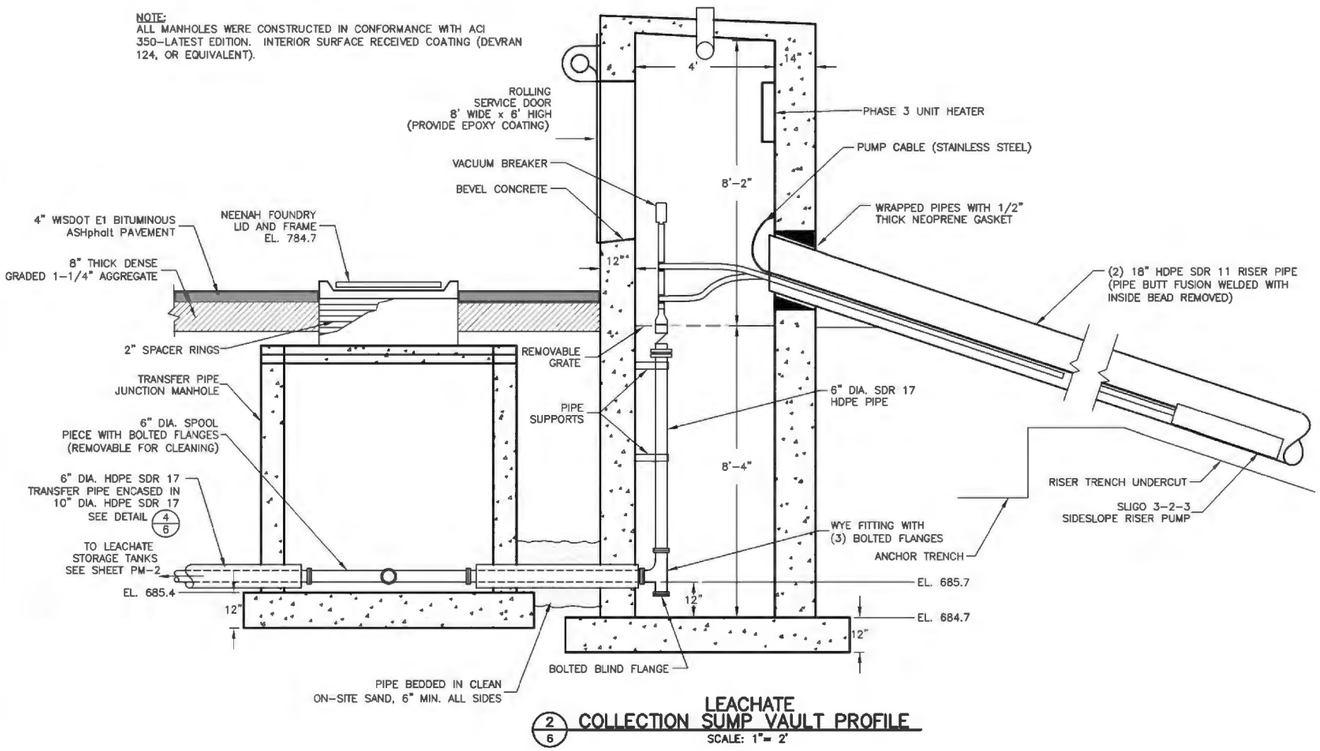


4/6 LEACHATE TRANSFER PIPE TRENCH DETAIL
SCALE: 1"= 1'

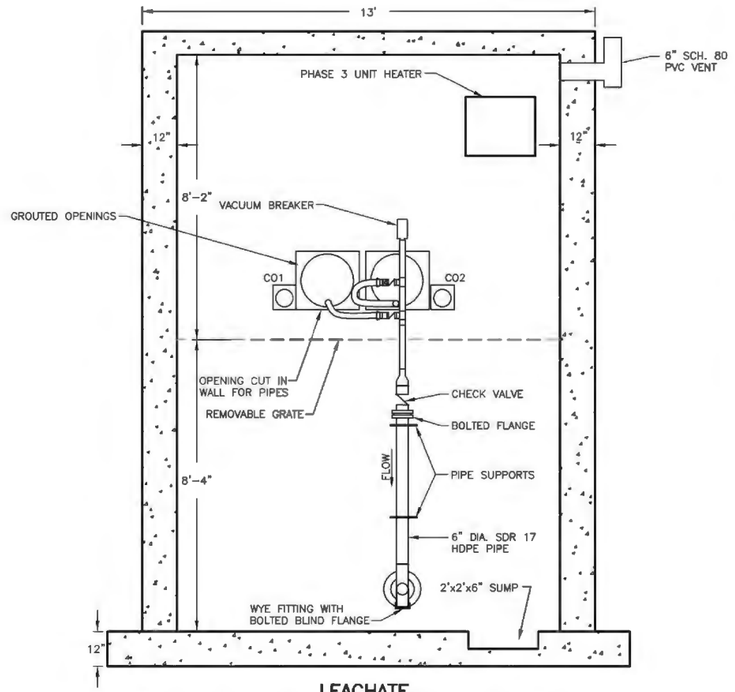


5/6 BITUMINOUS ASPHALT PAVEMENT DETAIL
SCALE: 1"= 1'

NOTE:
ALL MANHOLES WERE CONSTRUCTED IN CONFORMANCE WITH ACI 350-LATEST EDITION. INTERIOR SURFACE RECEIVED COATING (DEVRAN 124, OR EQUIVALENT).



2/6 LEACHATE COLLECTION SUMP VAULT PROFILE
SCALE: 1"= 2'



3/6 LEACHATE COLLECTION SUMP VAULT FRONT VIEW
SCALE: 1"= 2'

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GEI Project:	2203724

Attention:
0 1"
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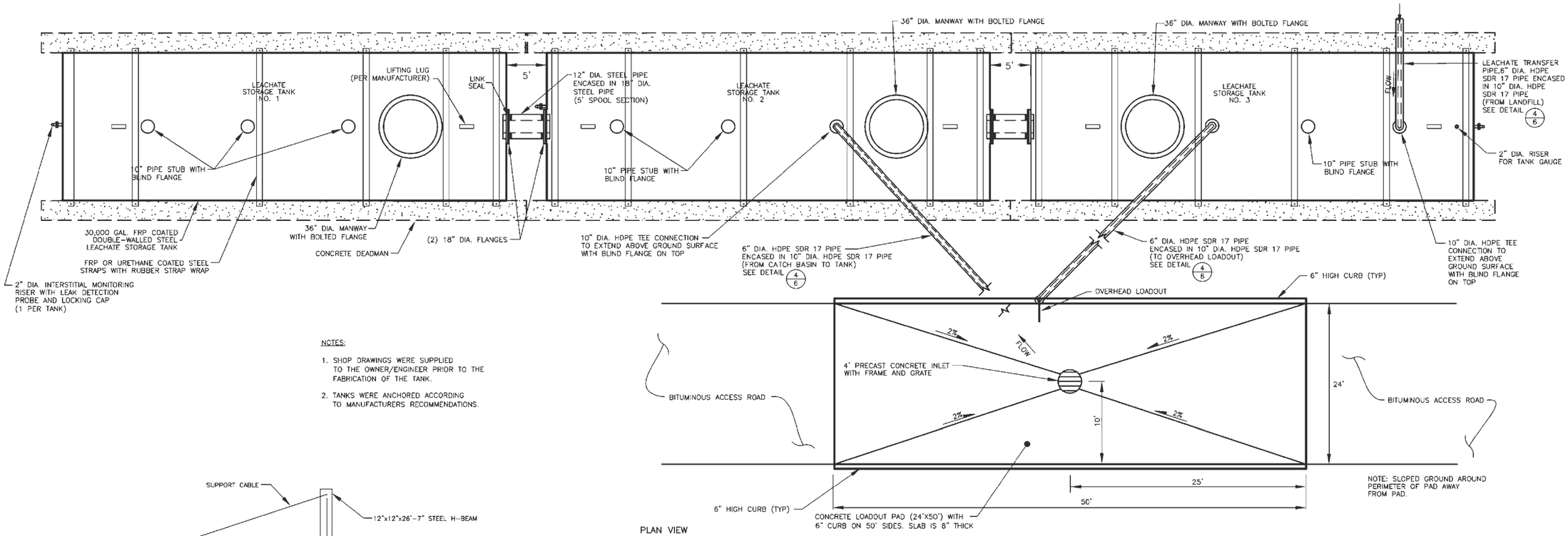
NO	DATE	ISSUE/REVISION	APP
0	10/31/2022	DRAFT	JXT

DRAFT

CONSTRUCTION DETAILS- LEACHATE COLLECTION SYSTEM VAULT

DWG. NO.
PM-6

SHEET NO.
6 OF 7



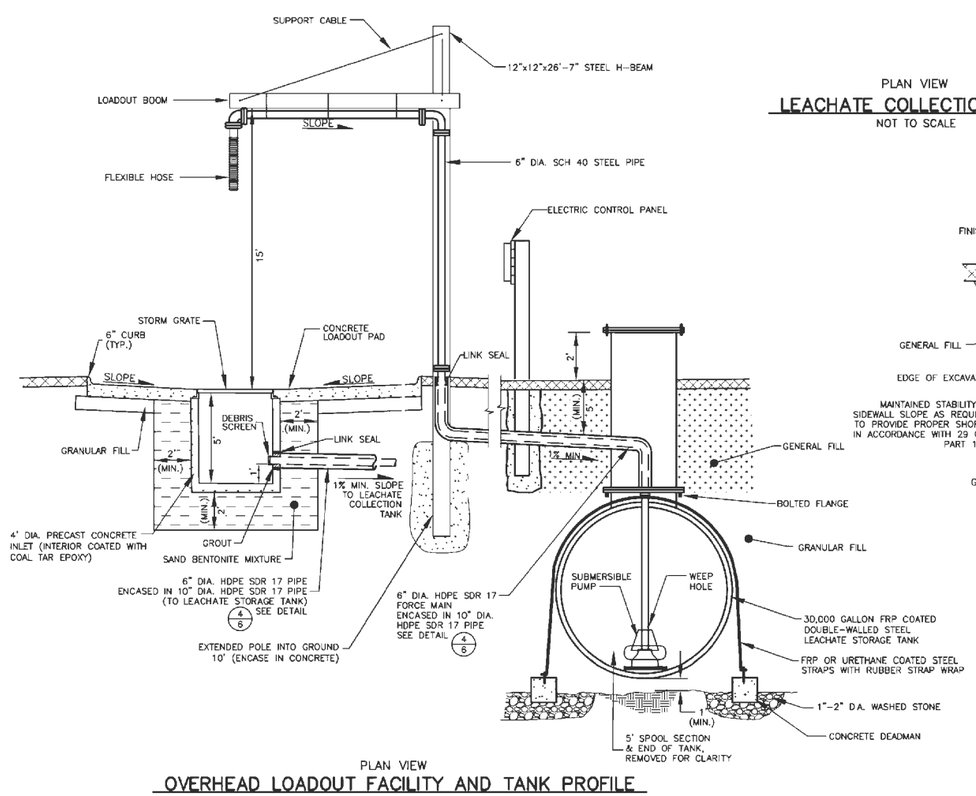
NOTES:

1. SHOP DRAWINGS WERE SUPPLIED TO THE OWNER/ENGINEER PRIOR TO THE FABRICATION OF THE TANK.
2. TANKS WERE ANCHORED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

PLAN VIEW

LEACHATE COLLECTION TANK

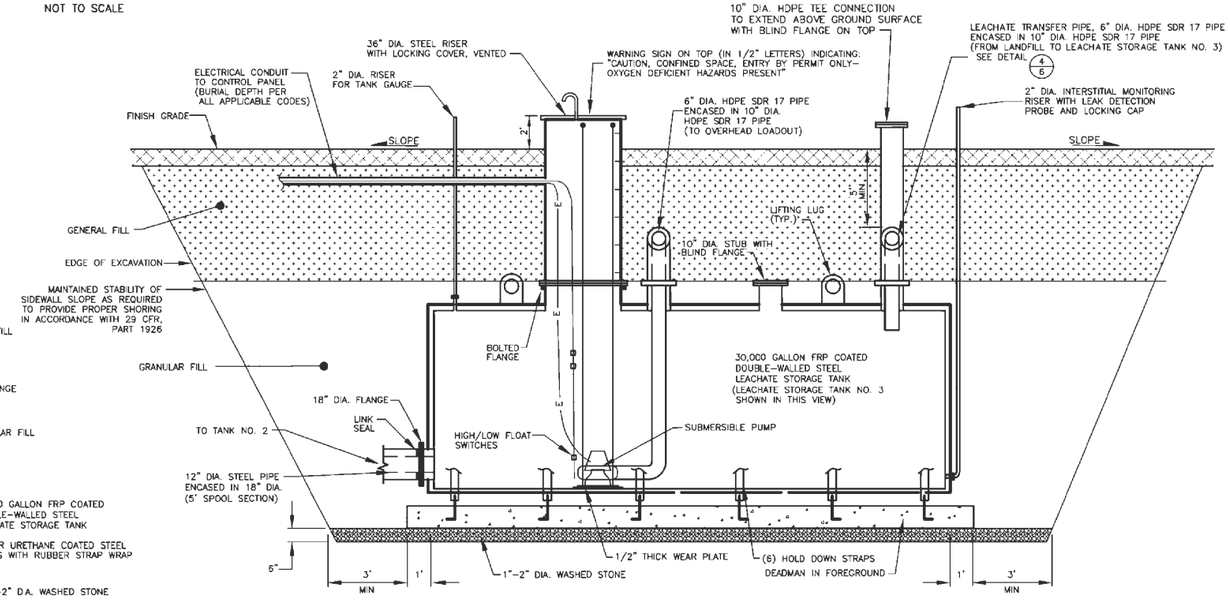
NOT TO SCALE



PLAN VIEW

OVERHEAD LOADOUT FACILITY AND TANK PROFILE

NOT TO SCALE



SECTION THROUGH LEACHATE COLLECTION TANK

LEACHATE COLLECTION TANK

NOT TO SCALE

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0	10/31/2022	DRAFT	JXT

DRAFT

CONSTRUCTION DETAILS- LEACHATE COLLECTION SYSTEM TANKS

DWG. NO.
PM-7

SHEET NO.
7 OF 7

Appendix D

Fault Areas Demonstration

U.S. Geological Survey Quaternary Faults

9/21/2022, 2:26:07 PM

1:18,489,298

0 180 360 720 mi

0 285 570 1,140 km

Fault Areas

- Class B
- historic
- late Quaternary
- latest Quaternary
- middle and late Quaternary

National Database

- Historic (< 150 years), well constrained location
- Historic (< 150 years), moderately constrained location
- Historic (< 150 years), inferred location
- Latest Quaternary (<15,000 years), well constrained location
- Latest Quaternary (<15,000 years), moderately constrained location
- Latest Quaternary (<15,000 years), inferred location
- Late Quaternary (< 130,000 years), well constrained location
- Late Quaternary (< 130,000 years), moderately contrained location
- Late Quaternary (< 130,000 years), inferred location
- Middle and late Quaternary (< 750,000 years), well constrained location
- Middle and late Quaternary (< 750,000 years), moderately constrained location
- Middle and late Quaternary (< 750,000 years), inferred location
- Undifferentiated Quaternary (< 1.6 million years), well constrained location
- Undifferentiated Quaternary (< 1.6 million years), moderately constrained location
- Undifferentiated Quaternary (< 1.6 million years), inferred location

Sources: Esri, USGS, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

USGS

Sources: Esri, USGS | Esri, USGS | Missouri DNR, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | USGS |

Appendix E

Seismic Impact Zones Demonstration

GEI Consultants	**Client**	We Energies			**Page**	1 of 1
	Project	PPPP Plan of Operation Modification			**Rev.**	0
	By	A. Schwoerer	**Chk.**	J. Piaskowski	**App.**	
	Date	10/20/2022	**Date**	1/6/2023	**Date**	
GEI Project No.	2203724	**Document No.**	N/A			
Subject	Probability of Exceedance and Return Calculations					

Purpose:

The purpose of this calculation is to demonstrate that the PPPP Ash Landfill is not within a seismic impact zone as required by NR 504.04(3)(h) by calculating that the area has less than a two percent or greater probability that the maximum expected horizontal ground acceleration will exceed 10 percent of gravity (0.10g) in 50 years (return period of approximately 2,500 years). Using the USGS Unified Hazard Tool (2014), the annual frequency of exceedance was obtained, and the probability of exceedance and return period was calculated using equations from the USGS Earthquake Hazards 201 – Technical Q&A, August 6, 2019.

Calculations Criteria:

1. The annual frequency of exceedance with a horizontal ground acceleration of 0.10g is 1.01×10^{-4}. See Figure 1, taken from the USGS Unified Hazard Tool (2014).
2. The return period is calculated by taking the inverse of the annual frequency of exceedance:

   Return Period = 1/annual frequency of exceedance

3. The probability of exceedance in a 50-year period is calculated by:

   (50/return period) x 100 = probability of exceedance

Results:

The return period for the PPPP Ash Landfill is calculated to be:

$1/1.01 \times 10^{-4}$ = 9,990 years

The probability of exceedance in a 50-year period at the PPPP Ash Landfill is calculated to be:

(50/9,900 years) x 100 = 0.51% probabily of exceedance in 50 years

As demonstrated, the probability of exceedance is less than two percent in 50 years for a maximum expected horizontal ground acceleration of 0.10g, the PPPP Ash Landfill is not located in a seismic impact zone as defined in 40 CFR § 257.53 and satisfies the requirements of NR 504.04(3)(h).

Attachments:

- Figure 1 – Annual Freqency of Exceedance

Plan of Operation Modification Pleasant Prairie Power Plant Ash Landfill We Energies	GEI Consultants	Annual Frequency of Exceedance
WEC Energy Group	Project 2203724	October 2022 Figure 1

Appendix F

Unstable Areas Demonstration

LOCATION RESTRICTION DEMONSTRATION
UNSTABLE AREAS
40 CFR PART 257.64
PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
WE ENERGIES

We Energies owns and operates a solid waste disposal facility adjacent to the Pleasant Prairie Power Plant (PPPP) in Section 9, Township 1 North, Range 22 East, in the village of Pleasant Prairie, Kenosha County, Wisconsin. The landfill property is bounded on the north by State Highway 50 (75th Street), on the south by Bain Station Road, and on the east and west by active rail lines. The We Energies PPPP Ash Landfill is regulated as an industrial waste landfill by the Wisconsin Department of Natural Resources (WDNR) under the provisions of Chapter 289 Wisconsin State Statues, and all applicable requirements of Chapters NR 500 of the Wisconsin Administrative Code. The design, construction, operation, closure, and post-closure care requirements are specified in the WDNR conditionally approved Plan of Operations, License No. 2786, FID No. 230056310. The construction of Cell 1 was constructed and placed into operation in 2014.

In addition to the state regulations, the PPPP Ash Landfill is also required to comply with 40 CFR Part 257 Subpart D – *Standards for Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments* and is defined as a CCR unit and existing CCR landfill in accordance with 40 CFR 257.53 since construction commenced prior to October 19, 2015. Future landfill cells are permitted by the WDNR in the conditionally approved Plan of Operation and defined as lateral expansions under 40 CFR 257.53 when constructed. This document fulfills the requirements for the Location Restrictions Demonstration for the PPPP Ash Landfill as an existing CCR landfill in accordance with 40 CFR 257 Subpart D.

Location restrictions related to unstable areas are outlined in 40 CFR 257.64 – Unstable Areas:

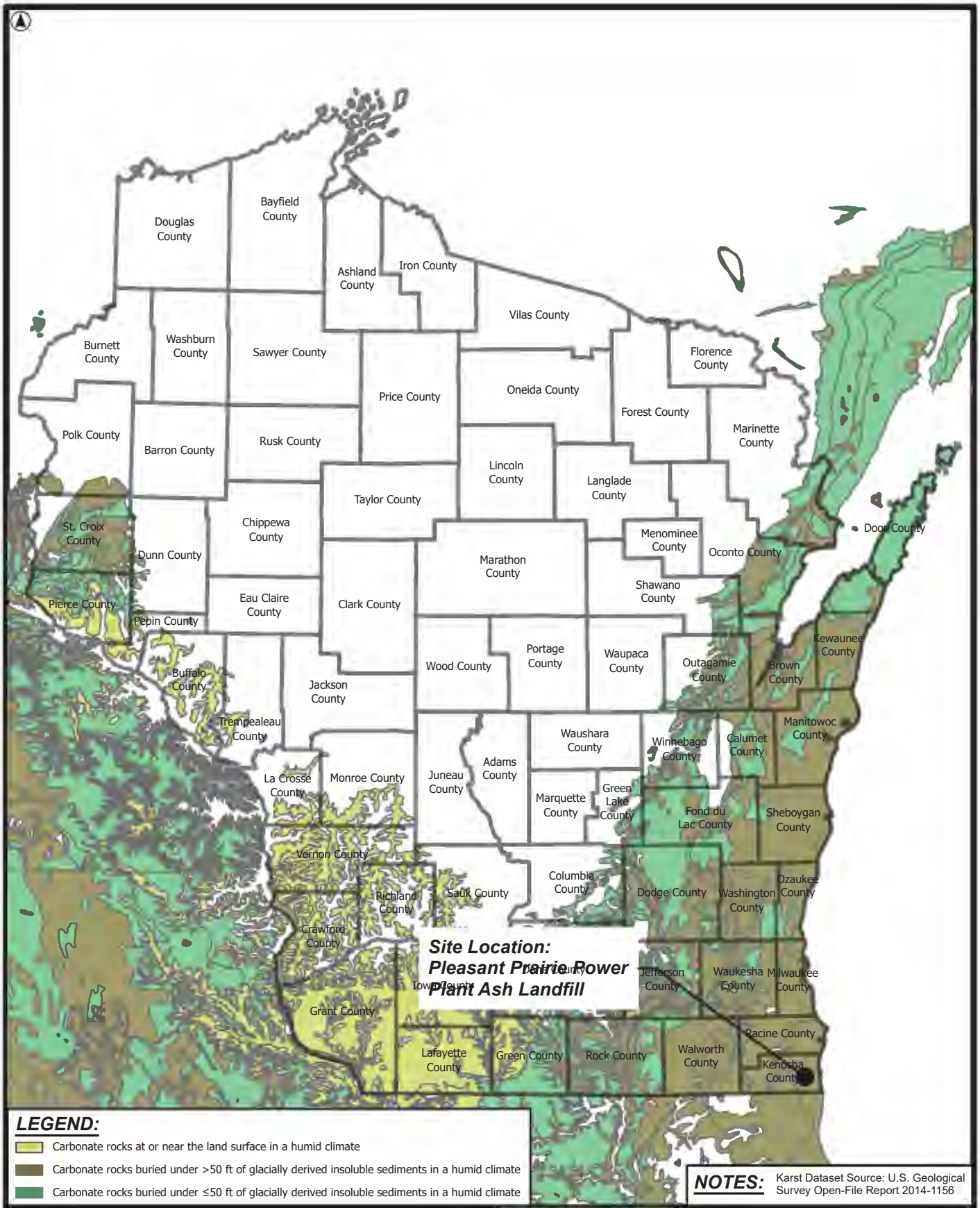
> *§ 257.64 Unstable areas.*
>
> *(a) An existing or new CCR landfill, existing or new CCR surface impoundment, or any lateral expansion of a CCR unit must not be located in an unstable area unless the owner or operator demonstrates by the dates specified in paragraph (d) of this section that recognized and generally accepted good engineering practices have been incorporated into the design of the CCR unit to ensure that the integrity of the structural components of the CCR unit will not be disrupted. (b) The owner or operator must consider all of the following factors, at a minimum, when determining whether an area is unstable: (1) On- site or local soil conditions that may result in significant differential settling; (2) On-site or local geologic or geomorphologic features; and (3) On-site or local human-made features or events (both surface and subsurface).*

The rule defines an *"Unstable Area"* as *"a location that is susceptible to natural or human-induced events or forces capable of impairing the integrity, including structural components of some or all of the CCR unit that are responsible for preventing releases from such unit.*

Based on review of the site's location, soil conditions, human-made features or events (both surface and subsurface), geology, and hydrogeology the existing PPPP Ash Landfill is not located in an unstable area that could result in significant differential settlement or mass movement damaging the facility.

This report was completed under the direction of John, M. Trast, P.E. I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of ch. A-E 4, Wisconsin Administrative Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wisconsin Administrative Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in 40 CFR Part 257 Subpart D.

John Mathew Trast, P.E.
Licensed Professional Engineer No. 31792
Senior Consultant
GEI Consultants, Inc.



LEGEND:

- Carbonate rocks at or near the land surface in a humid climate
- Carbonate rocks buried under >50 ft of glacially derived insoluble sediments in a humid climate
- Carbonate rocks buried under ≤50 ft of glacially derived insoluble sediments in a humid climate

NOTES: Karst Dataset Source: U.S. Geological Survey Open-File Report 2014-1156

Plan of Operation Modification
Pleasant Prairie Power Plant Ash Landfill
Village of Pleasant Prairie, WI

WE Energies
Milwaukee, WI

GEI Consultants

Project 2203724

USGS NATIONAL SCALE KARST PONTENTIAL

November 2022

Fig. #

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Plan of Operation Modification
Pleasant Prairie Power Plant Ash Landfill
Village of Pleasant Prairie, WI

WE Energies
Milwaukee, WI

GEI Consultants

OIL AND GAS WELL MAP

Project 2203724

November 2022

Fig. #

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Appendix G

Floodplains Demonstration

FEMA Floodplain Levee Certification

We Energies Pleasant Prairie Ash Landfill Floodplain Levee Certification

Pleasant Prairie, Wisconsin

Submitted to:
We Energies
333 West Everett Street
Milwaukee, Wisconsin 53203

Submitted by:
GEI Consultants, Inc.
955 Challenger Drive, Suite A
Green Bay, Wisconsin 54311
920-455-8200

June 5, 2013

Project No. 1325060

John M. Trast, P.E.
Senior Consultant

Table of Contents

Figures

Appendices

JXT:jxt

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1. Introduction

1.1 Summary

We Energies own and operate the Pleasant Prairie Ash Landfill located in the Village of Pleasant Prairie, Kenosha County, Wisconsin. The landfill site is bound by Bain Station Road to the south, State Highway 50 to the north, and by railroad tracks to the west and east and is located immediately north of the Pleasant Prairie Power Plant electric generating facility. Figure 1 shows the Pleasant Prairie Ash Landfill site location. The property includes a floodplain levee constructed to protect a portion of the permitted landfill space from being within the 100-year floodplain of the Unnamed Tributary No. 2 and No. 3 to Jerome Creek.

The Pleasant Prairie Ash Landfill Floodplain Berm was designed and constructed in 2000. Construction observation of the levee was completed on a part-time basis to observe the contractors means and methods, assess the materials of construction, and observe the contractor's adherence to the project specifications. Based on the field observations and testing completed at the time of construction the design engineer, STS Consultants, Ltd. (now AECOM Technical Services, Inc.) had concluded that the Pleasant Prairie Floodplain Levee was constructed in general accordance with the engineering design and would provide reasonable assurance that the constructed levee would protect the permitted landfill area from the base flood. Figure 2 shows the location of the Pleasant Prairie Ash Landfill Floodplain Levee.

The Pleasant Prairie Ash Landfill Floodplain Levee is shown on the effective Flood Insurance Rate Map and in the effective Flood Insurance Study Report for the Village of Pleasant Prairie, Wisconsin. The map and report depict some areas as receiving protection through the Pleasant Prairie Ash Landfill Floodplain Levee. Based on the information available and on the mapping standards of the National Flood Insurance Program at the time that the Flood Insurance Study was performed, the Department of Homeland Security, Federal Emergency Management Agency (FEMA) provisionally accredited the levee with providing protection from the base flood. The base flood is a flood that has a 1% chance of being equaled or exceeded in any given year. On June 20, 2011, FEMA sent a letter acknowledging and accepting the signed Provisionally Accredited Levee agreement for the Pleasant Prairie Ash Landfill Floodplain Levee. The 12-month progress report was provided under a cover letter dated August 5, 2011.

The final report providing full documentation required to show that the Pleasant Prairie Ash Landfill Floodplain Levee meets the criteria in the Code of Federal Regulations, Title 44, Chapter 1, Section 65.10 (44 CFR 65.10) – Mapping of Areas Protected by Levee Systems

was originally submitted to FEMA on June 29, 2012. FEMA Region V reviewed the submission of the levee certification material and requested We Energies address comments to sections:

65.10(b)(1)(i); Riverine Levee Freeboard
65.10(b)(4); Embankment and Foundation Stability
65.10(b)(6); Interior Drainage
65.10(e); As-Built Drawings

The sections of the report were revised to address FEMA's comments and are included in this report. In addition, , 65.10(b)(1)(ii); Riverine Levee Freeboard Exception was also revised to correct the portion of the levee that is requesting a freeboard exception, based on the responses to the FEMA Region V comments.

1.2 Report Layout

This report follows the FEMA suggested tabbed format. The layout is as follows:

Appendix A: Cover Page – General Information

Tab 1: 44 CFR 65.10(b); Operation and Maintenance Systems
Tab 2: 44 CFR 65.10(b)(1)(i); Riverine Levee Freeboard
Tab 3: 44 CFR 65.10(b)(1)(ii); Riverine Levee Freeboard Exception
Tab 4: 44 CFR 65.10(b)(1)(iii); Coastal Levee Freeboard
Tab 5: 44 CFR 65.10(b)(1)(iv); Coastal Levee Freeboard Exception
Tab 6: 44 CFR 65.10(b)(2); Closures
Tab 7: 44 CFR 65.10(b)(3); Embankment Protection
Tab 8: 44 CFR 65.10(b)(4); Embankment and Foundation Stability
Tab 9: 44 CFR 65.10(b)(5); Settlement
Tab 10:44 CFR 65.10(b)(6); Interior Drainage
Tab 11:44 CFR 65.10(b)(7); Other Design Criteria

Appendix B: As-Built Drawing / Existing Site Conditions, Plan and Profile Drawings Stations 0+00 to 15+00, 15+00 to 30+00, and 30+00 to 41+93, and Condition Survey Photo Log dated August 5, 2011.

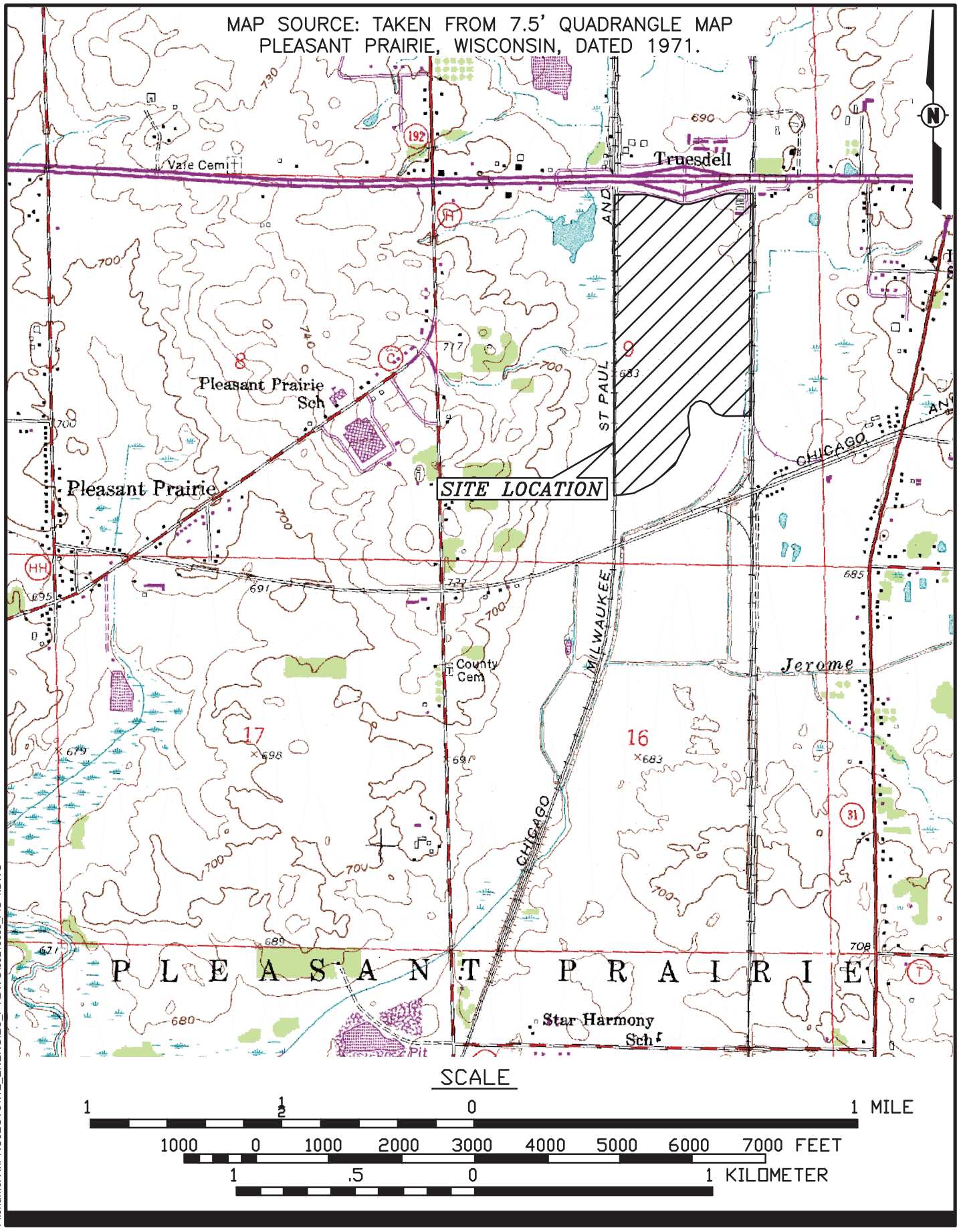
Appendix A provides the general information, followed by the eleven tabs required to address 44 CFR 65.10. The We Energies Pleasant Prairie Ash Landfill Floodplain Levee protects property owned by We Energies that is permitted as landfill space from being mapped within the 100-year floodplain of the Unnamed Tributary No. 2 and No. 3 to Jerome Creek. This is a riverine levee and Tab 4 Coastal Levee Freeboard and Tab 5 Coastal Levee Freeboard Exception are not applicable. Based on the information previously submitted by We Energies, FEMA acknowledges and accepted the PAL agreement for the Pleasant Prairie Ash Landfill Floodplain Levee. FEMA has not required additional design criteria or analyses be performed under Tab 11 – Other Design Criteria, so this tab is also not applicable.

Appendix B provides the As-Built Drawings / Existing Site Conditions; As-Built Plan & Profile Drawing Station 0+00 to 15+00, 15+00 to 30+00, and 30+00 to 41+93; and Condition Survey Photo Log dated August 5, 2011 of the Pleasant Prairie Ash Landfill Floodplain Levee. The as-built drawing / existing site conditions topographic surveys were completed in November and December 2011. Based on the survey and field observations the levee is in good condition with vigorous vegetative growth, no observed erosion, animal borrows, or issues of concern.

2. Conclusion

The Pleasant Prairie Ash Landfill Floodplain Levee was designed and constructed in 2000 by STS Consultants, Ltd. We Energies subsequently requested AECOM to assist with the initial preparation and submittal of the documentation required to show that the Pleasant Prairie Ash Landfill Floodplain Levee meets the requirements of 44 CFR 65.10 – Mapping of Areas Protected by Levee Systems. GEI Consultants, Inc. has been retained to respond to FEMA's comments and revise the report, as necessary.

Based on the information available in the permanent operating record for the site, the results of site observations, survey documentation, and engineering analyzes the Pleasant Prairie Ash Landfill Floodplain Levee meets the requirements 44 CFR 65.10. It is our opinion that no further exploration, investigation, or analysis is necessary at this time and that the Pleasant Prairie Ash Landfill Floodplain Levee should be a fully accredited levee.



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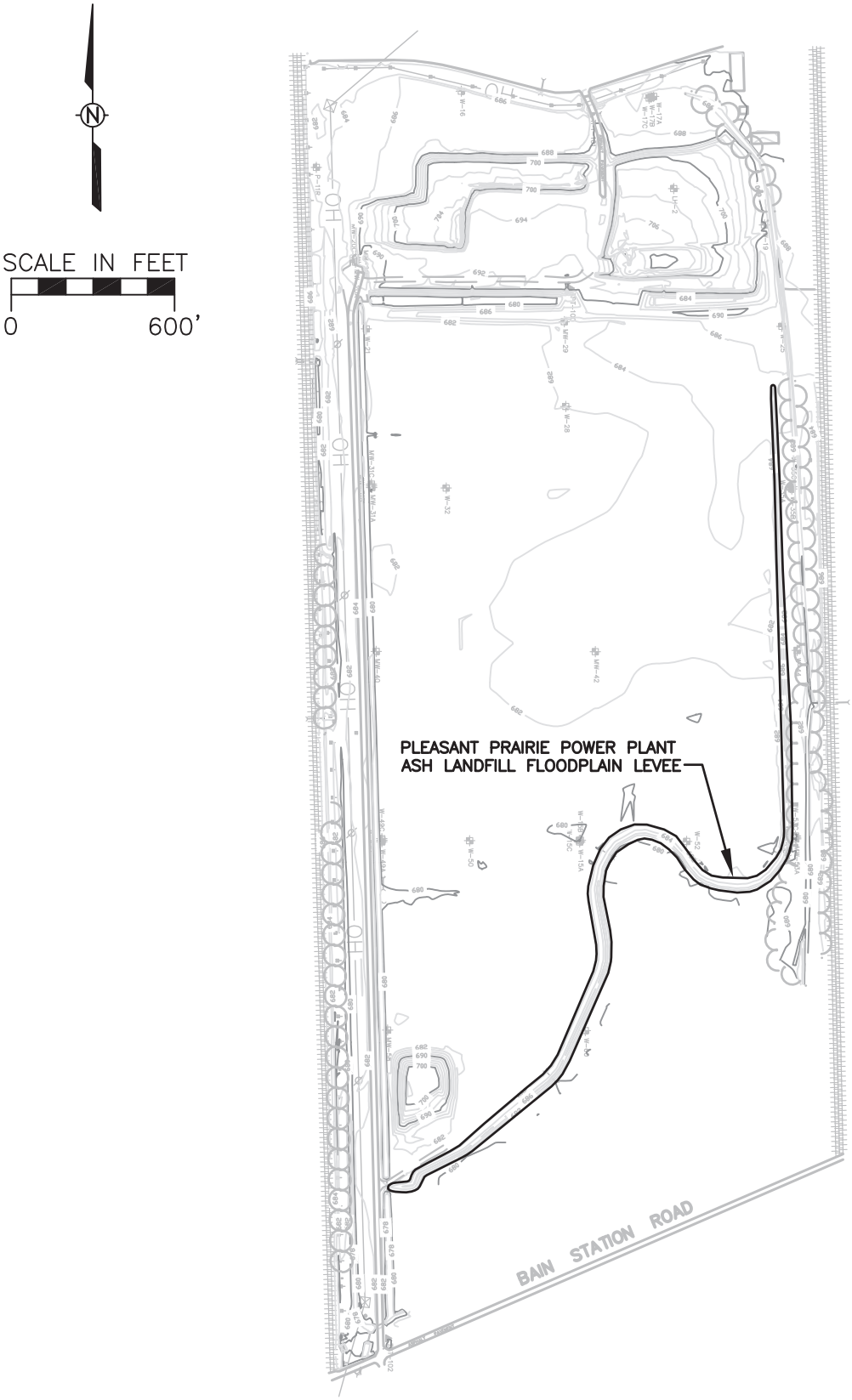
Pleasant Prairie Power Plant
Ash Landfill Floodplain Levee Certification
We Energies, Pleasant Prairie, WI
Project No.: 60218395 2012-05

SITE LOCATION MAP

AECOM

FIGURE 1



Pleasant Prairie Power Plant
Ash Landfill Floodplain Levee Certification
We Energies, Pleasant Prairie, WI
Project No.: 60218395 2012-05

SITE MAP

AECOM

FIGURE 2