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

August 23, 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 CALEDONIA ASH LANDFILL
LICENSE #3232 - FID# 252108450

Dear Ms. Zewicki:

Please find enclosed an updated Plan of Operation Modification (POM) for the We Energies Caledonia Ash Landfill (License #3232) 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. In accordance with the revised regulations, 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 as well as the response prepared by Ramboll regarding the groundwater sampling issues and questions concerning the removal of molybdenum from future sampling events raised by the Department.

2. This section includes the revised POM dated December 13, 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 13, 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 13, 2023 Plan of Operation Modification,
We Energies Caledonia Ash Landfill

[File:\2024-08-23 Caledonia Plan of Operation Mod Doc_Submittal Draft]

ATTACHMENT - SECTION 1

RESPONSE TO MARCH 12, 2024
WDNR INCOMPLETENESS DETERMINATION LETTER

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 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 Caledonia Ash Landfill (CAL) Ash Landfill (License #3232)

August 23, 2024

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 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): 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 and submitted to WDNR in July 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], 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. Only a single data point was excluded from the PAL calculations for these reasons: the total lithium result at W50 for the sample collected on June 12, 2023. This sample was analyzed by EPA Method 200.7 with a higher detection limit than the rest of the baseline samples analyzed by EPA Method 200.8. The result was non-detect, but the substitution protocol of one-half of the detection limit specified in PUB-WA 1105 resulted in an outlier based upon the Grubb's test, so this data point was excluded from the PAL calculations to avoid inflating the calculated 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 and fluoride at all wells, and sulfate at W08D, none require exemptions from the ES; all require PAL exemptions.*

1.b.ii. *Background concentrations of boron and fluoride, as represented by CCR wells 46D and 48, are greater than their respective PALs (0.2 mg/L and 0.8 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. CAL 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 A****.*

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

Concentrations of sulfate in downgradient monitoring well W08D are greater than the associated PAL of 125 mg/L, facilitating eligibility for an exemption in accordance with Ch. NR 140.28(3)(b), Wis Adm Code because a release of sulfate from CAL has not occurred and these concentrations are thus representative of background concentrations at this location.

Further, CAL will not cause future releases of boron, fluoride, and 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:

- *For CAL phases constructed prior to WDNR's May 19, 2010 Plan of Operation Modification (Plan Mod) approval, the approved design includes a leachate collection system, designed to maintain an inward hydraulic gradient, overlying a five-foot-thick compacted clay layer having a maximum hydraulic conductivity of $1x10^{-7}$ centimeters per second (cm/sec) or less, plus an additional one foot of compacted clay if a sub-base investigation and replacement of any non-fine-grained soils with fine-grained soils was not performed.*
- *For CAL phases constructed after WDNR's May 19, 2010 Plan Mod approval, the approved design includes a one-foot thick leachate collection layer meeting or exceeding the hydraulic conductivity of $1x10^{-2}$ cm/sec and V-shaped trenches each with a 6-inch diameter perforated pipe graded into the liner base grades, overlying a 60-mil textured HDPE geomembrane liner meeting the requirements of Ch. NR 504.06, Wis Adm Code, overlying a 4-foot thick compacted clay layer constructed to meet the requirements of Ch. NR 504.06, Wis. Adm. Code and having a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec or less, plus an additional one foot of compacted clay if a sub-base investigation and non-fine-grained soil replacement is not performed.*

WDNR Comment

2. **Provide additional supporting data to support the request to remove molybdenum from the monitoring program. The additional data should be sufficient to demonstrate the molybdenum comes from a non-landfill source and could include further 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 accurate to the landfill.**

Response:

*The technical memorandum provided in **Attachment B** 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 CAL.*

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

Sincerely,

Eric J. Tlachac, PE
Senior Project Manager

D +1 414 837 3541
M +1 262 719 4526
eric.tlachac@ramboll.com

Nathaniel R. Keller, PG
Senior Technical Manager

M +1 262 424 6560
nate.keller@ramboll.com

Enclosures: **Licensed Professional Certifications**

Table 1 - Calculated Preventative Action Limits

Attachment A - Lines of Evidence Supporting That the Caledonia 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 B - Lines of Evidence Supporting That Dissolved Molybdenum Concentrations in non-CCR Monitoring Wells at the Caledonia Ash Landfill are Naturally Occurring and Not a Result of a Release from the Landfill

LICENSED PROFESSIONAL CERTIFICATIONS

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: August 23, 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: August 23, 2024

TABLE 1

TABLE 1. CALCULATED PREVENTIVE ACTION LIMITS
CALEDONIA ASH LANDFILL
CALEDONIA, 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					
W46D	148	46	287	248	**290**
W48	210	60	391	310	**400**
Downgradient Monitoring Wells					
W08D	141	44	271	241	**280**
W09D	128	39	247	228	**250**
W10D	122	37	234	222	**240**
W49	113	37	223	213	**230**
W50	136	43	265	236	**270**

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					
W46D	126	9	153	226	**230**
W48	139	9	165	239	**240**
Downgradient Monitoring Wells					
W08D	211	10	242	311	**320**
W09D	89	8	111	189	**190**
W10D	86	5	102	186	**190**
W49	72	7	93	172	**180**
W50	117	7	139	217	**220**

Lithium [1] (ug/L)					
Location ID	**Mean**	**Standard Deviation**	**PAL Using 3 Standard Deviations**	**PAL Using NR 140 Table 3 Increment**	**Selected PAL**
Background Monitoring Wells					
W46D	3.6	0.8	5.9	--	**5.9**
W48	5.7	0.7	7.9	--	**7.9**
Downgradient Monitoring Wells					
W08D	2.5	2.8	10.9	--	**11**
W09D	5.4	0.3	6.2	--	**6.3**
W10D	4.4	0.4	5.5	--	**5.6**
W49	8.3	7.5	30.9	--	**31**
W50	6.2	5.7	23.1	--	**24**

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					
W46D	7.5	0.2	-- / --	6.5 / 8.5	**6.5 / 8.5**
W48	7.9	0.3	-- / --	6.9 / 8.9	**6.9 / 8.9**
Downgradient Monitoring Wells					
W08D	7.5	0.3	-- / --	6.5 / 8.5	**6.5 / 8.5**
W09D	8.1	0.3	-- / --	7.1 / 9.1	**7.1 / 9.1**
W10D	8.0	0.3	-- / --	7.0 / 9.0	**7.0 / 9.0**
W49	7.9	0.3	-- / --	6.9 / 8.9	**6.9 / 8.9**
W50	7.6	0.4	-- / --	6.6 / 8.6	**6.6 / 8.6**

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					
W46D	422	70	632	622	**640**
W48	447	73	666	647	**670**
Downgradient Monitoring Wells					
W08D	764	108	1087	964	**1090**
W09D	361	61	542	561	**570**
W10D	376	62	563	576	**580**
W49	378	65	572	578	**580**
W50	471	99	770	671	**770**

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					
W46D	11.4	1.8	5.9 / 16.9	5.8 / 17.0	**5.8 / 17.0**
W48	11.0	1.1	7.7 / 14.2	5.4 / 16.6	**5.4 / 16.6**
Downgradient Monitoring Wells					
W08D	11.4	2.2	4.7 / 18.1	5.8 / 17.0	**4.7 / 18.1**
W09D	10.9	1.7	5.9 / 16.0	5.3 / 16.5	**5.3 / 16.5**
W10D	10.6	1.2	7.0 / 14.2	5.0 / 16.2	**5.0 / 16.2**
W49	11.6	2.6	3.9 / 19.2	6.0 / 17.2	**3.9 / 19.2**
W50	11.4	2.4	4.1 / 18.7	5.8 / 17.0	**4.1 / 18.7**

[O: KLT 3/12/24, C: KRP 3/14/24][U: KRP 3/14/24, C: KLT 3/18/24][U: KLT 7/25/24, C: EJT 7/30/24]

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

ATTACHMENT A

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 Caledonia 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

August 23, 2024

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

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

Ref. 1940102327

The following lines of evidence (LOEs) demonstrate that the Caledonia Ash Landfill (CAL) has not caused a release of boron or fluoride to the uppermost (bedrock) aquifer, as defined in Ch. NR 500.03(246m), Wisconsin (Wis) Administrative (Adm) Code, at any downgradient bedrock monitoring well, or sulfate at downgradient bedrock monitoring well W08D:

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 CAL leachate
4. Natural variability and evidence for a geogenic (or natural) source of boron and sulfate

Concentrations of boron and fluoride greater than their respective Ch. NR 140, Wis Adm Code, Preventative Action Levels (PALs) have been observed in all site bedrock monitoring wells, and concentrations of sulfate greater than its PAL have been observed in bedrock monitoring well W08D.

Additional information pertaining to these LOEs is provided below.

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

CAL was constructed with either a five-foot thick compacted clay liner or a 60-mil high density polyethylene (HDPE) liner overlying four feet of compacted clay. Precipitation and/or leachate that collects on top of the liner is removed by a 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 approximately 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 CAL has only been active for about 30 years.

Further, evaluating boron concentrations observed in CAL downgradient monitoring well nests W08 and W09 versus screened elevation (**Figures A and B**) provides evidence that there is no vertical migration because boron concentrations observed in the bedrock wells are higher than those observed in the shallow wells, except for W09C.

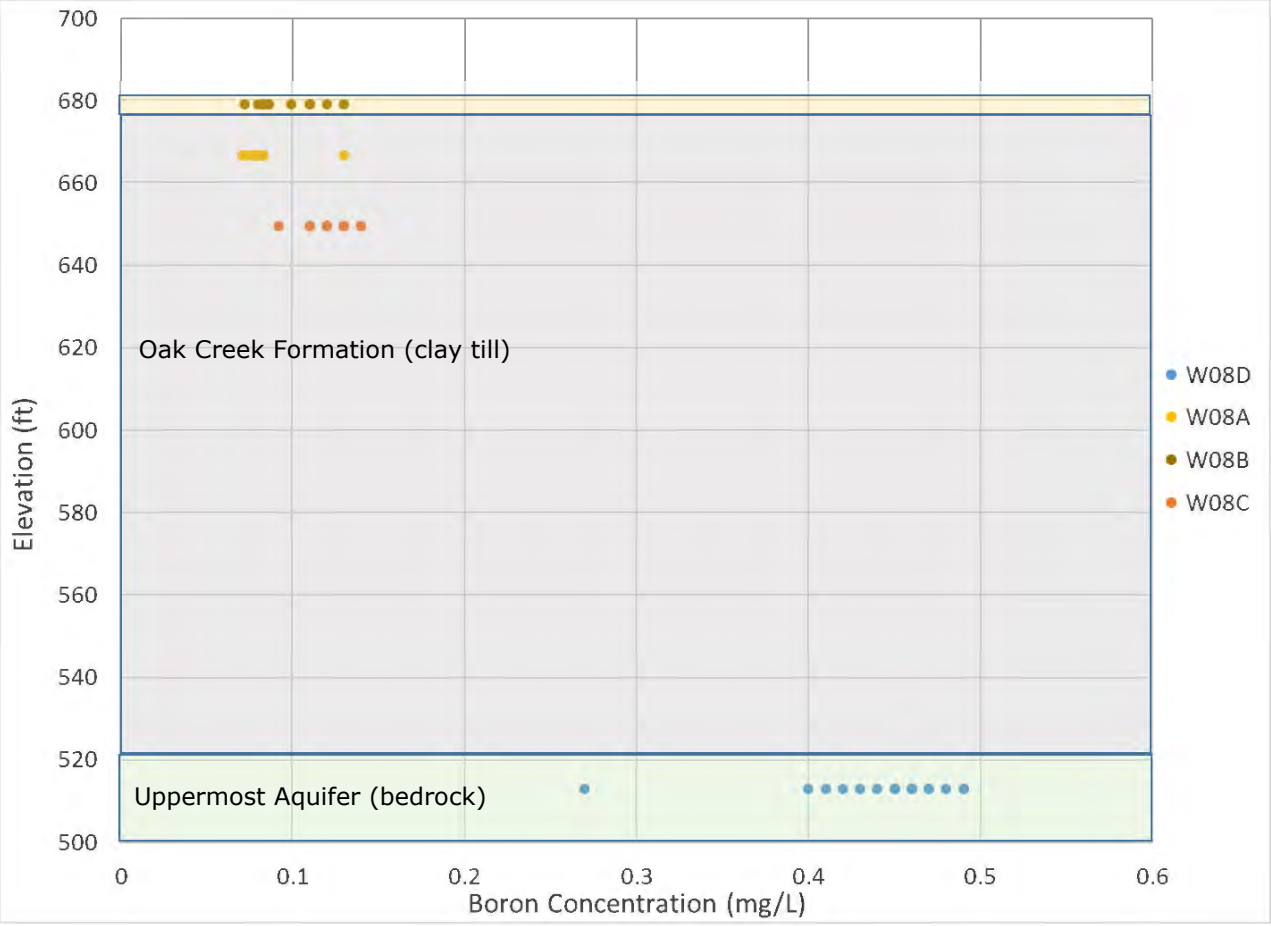


Figure A. Concentrations of Boron (dissolved [A,B,C] and total [D]) with Depth, Monitoring Well Nest W08A, B, C, D

[1] The geology and hydrogeology beneath CAL 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

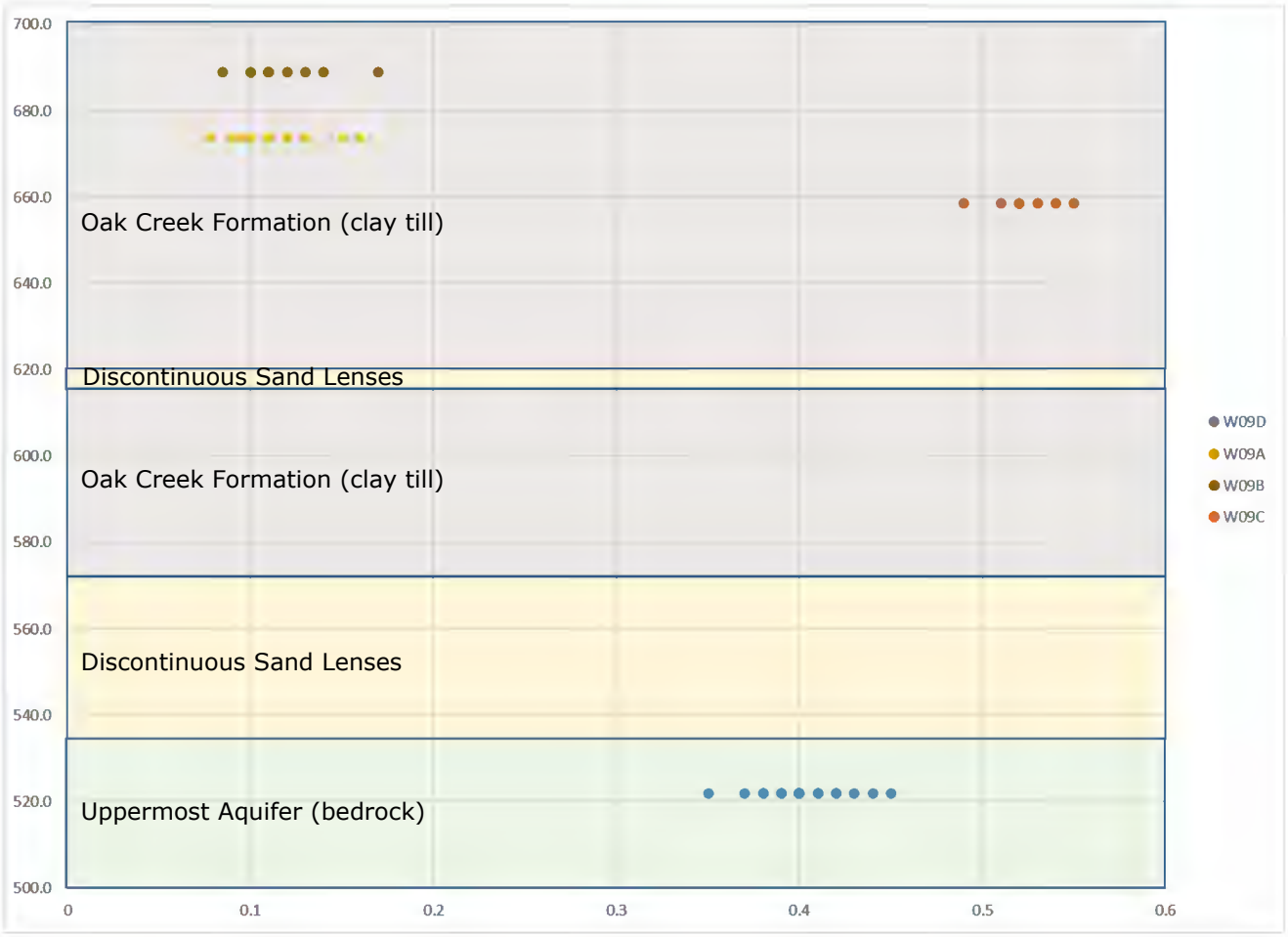


Figure B**. Concentrations of Boron (dissolved [A,B,C] and total [D]) with Depth, Monitoring Well Nest W09A, B, C, D**

In the case of the W09C, similar boron concentrations have been observed historically since the well was installed in 1985 (**Figure C**), which is prior to CAL being constructed and put into service in 1990, indicating CAL is not a source of boron to W09C (or bedrock well W09D).

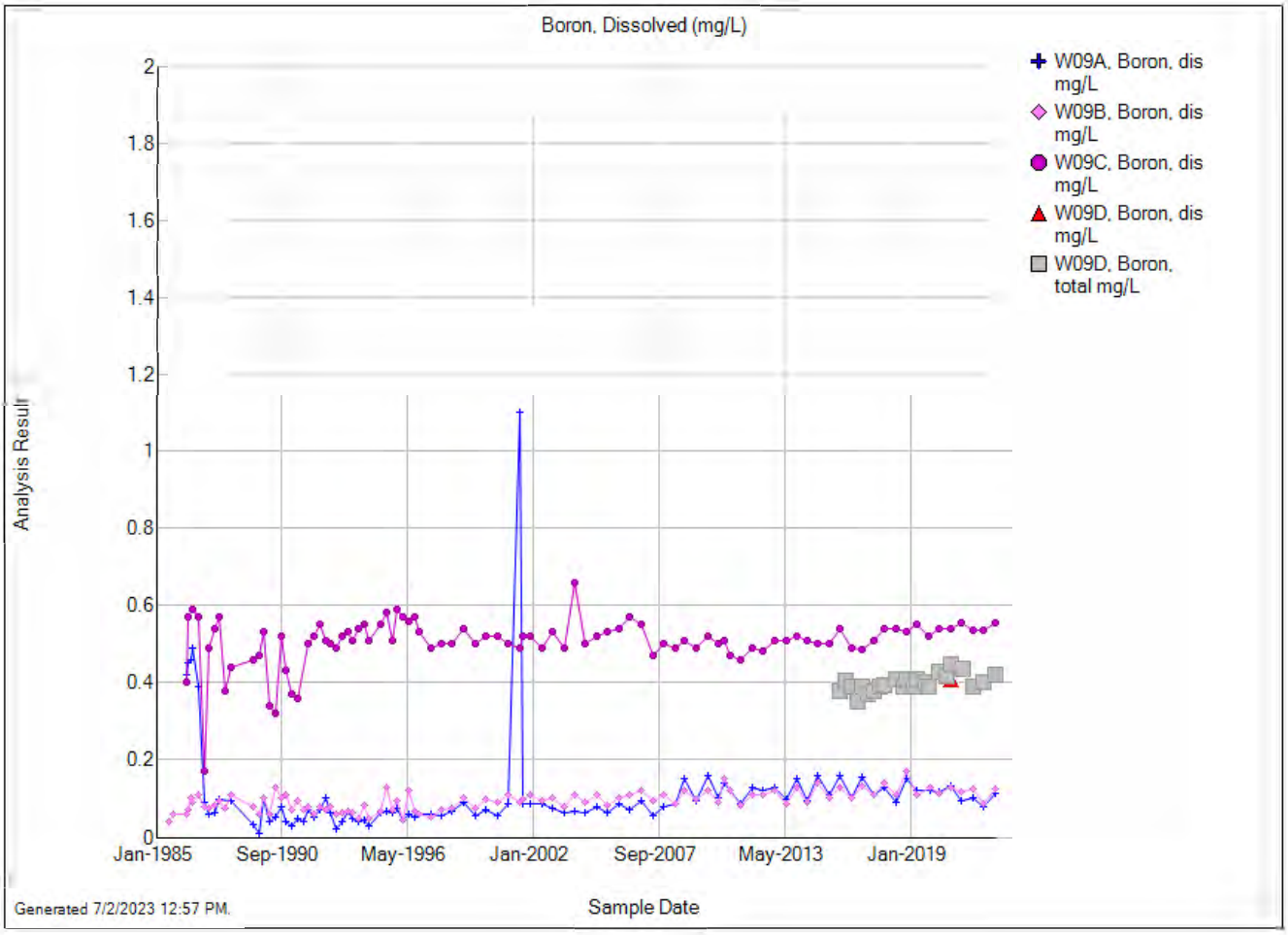


Figure C. Concentrations of Boron (dissolved [A,B,C] and total [D]), Monitoring Well Nest W09A, B, C, D

A similar evaluation of sulfate concentrations observed at well nest W08 (**Figure D**) yields similar trends as boron, with concentrations observed in the bedrock wells higher than those observed in the shallow wells, indicating that CAL is not a source of sulfate to W08D.

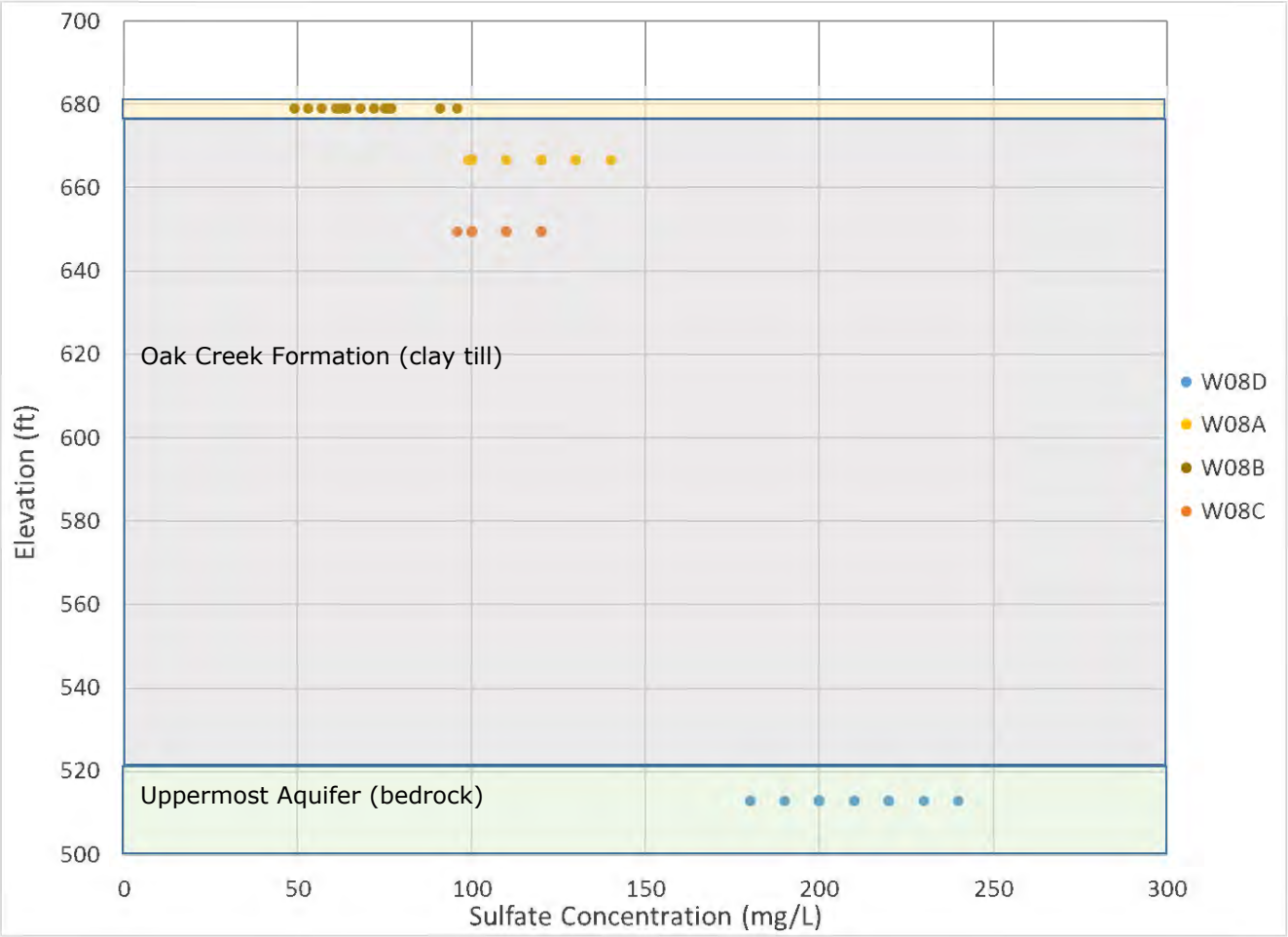


Figure D. Concentrations of Sulfate (dissolved [A,B,C] and total [D]) with Depth, Monitoring Well Nest W08A, B, C, D

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

The ionic composition of groundwater samples collected from the bedrock wells in November 2021 is different than the ionic composition of a leachate 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 CAL 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 CAL.

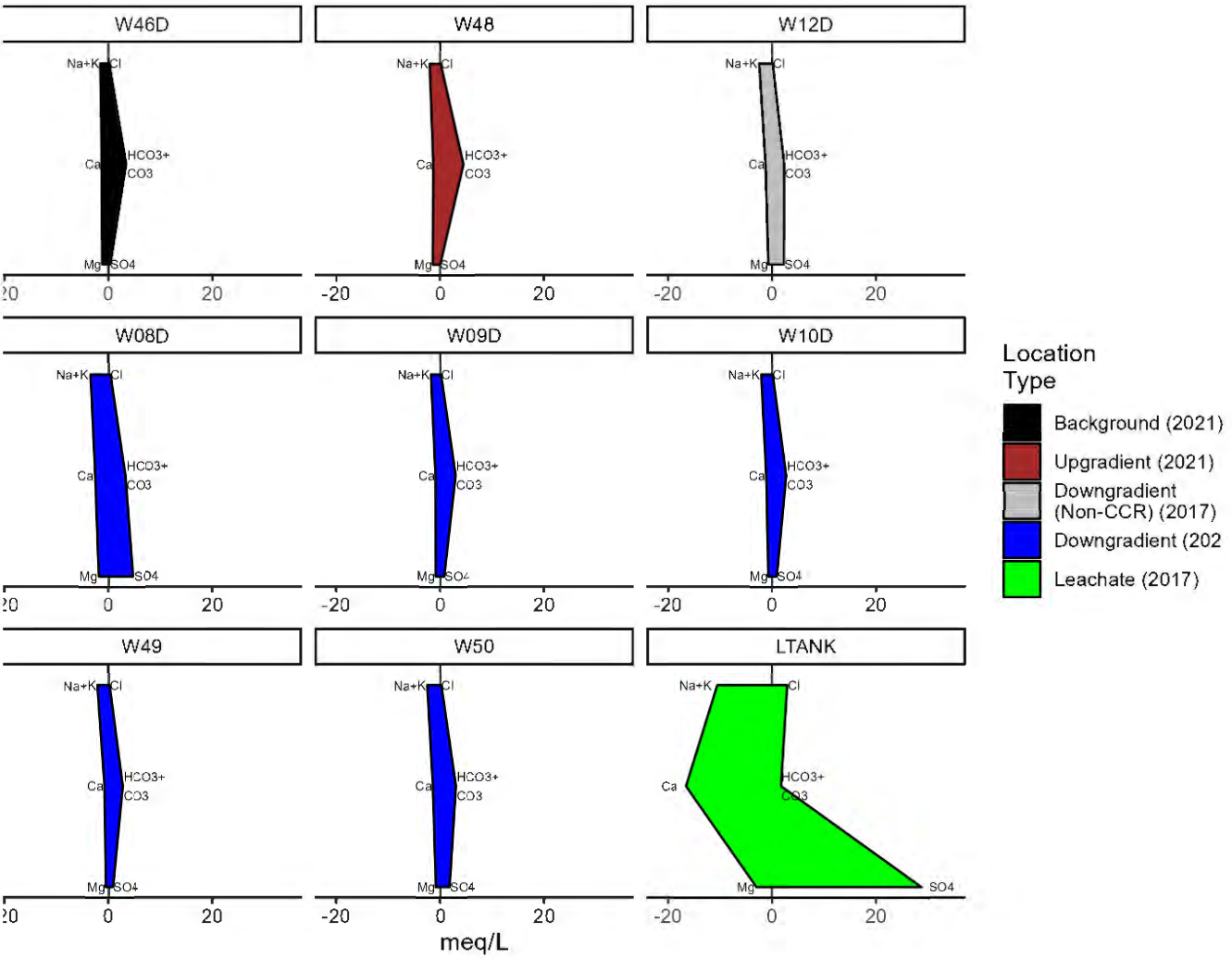


Figure E. Stiff Diagrams illustrating ionic composition of bedrock groundwater and CAL leachate

LOE#4: Natural Variability and Evidence for a Geogenic (or Natural) Source of Boron and Sulfate

Boron and sulfate are naturally occurring and present at variable concentrations within the bedrock aquifer. Regional studies that were completed to identify and determine sources of molybdenum in private wells located near CAL[3,4], also investigated the occurrence of boron, sulfate, and tritium to evaluate the elevated concentrations of molybdenum. Important conclusions from these studies are as follows:

[3] WDNR, 2013. Caledonia Groundwater Molybdenum Investigation, Southeast Wisconsin. January 2013.

[4] 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.

- WDNR, 2013 - "Both MW-06 and MW-07 are nested monitoring wells screened at different depths, along with MW-08. MW-07 is the shallowest well, followed by MW-06 which is deeper and MW-08 is the deepest, screened at the top of the dolomite (bedrock). This monitoring well nest does not show significant vertical migration of the boron to the dolomite. In addition, the δ11B value for MW-08 is outside of the "mixing zone," suggesting it is naturally occurring, and tritium was not detected in MW-08 but was detected in both MW-06 and MW-07, suggesting that the water in the deepest well (bedrock) is more reflective of preash- disposal conditions."

  Note that CAL non-CCR monitoring well W12D (Wisconsin Unique Well ID #IM537) is located in the well nest referred to in the excerpt of WDNR, 2013 above, with MW-08 corresponding to W12D, MW-07 corresponding to W12C, and MW-06 corresponding to W12B.

  Also, stable boron isotopes have been used in other studies as an indicator of the boron source found in the environment around CCR disposal sites[5,6,7]. These studies have found δ11B values between -40 ‰ and +6.6‰ in coal ash samples. Most natural waters have a δ11B value between+10 and +30 ‰.

- Harkness et al., 2017 - "the Silurian dolomite (bedrock) has dual permeability with the majority of flow dominated by fractures in the extensive, lower-conductivity mudstone units, and interspersed, coarse-grained lenses that allow for faster groundwater flow."

  "Exchange between the Maquoketa Shale and the Silurian Dolomite have been reported in geophysical studies of the area, and both aquifers are known to host pyrite and other sulfide minerals."

  "We hypothesize that a groundwater flowpath through clay-rich unconsolidated materials would induce cation exchange. Sodium and boron bound to clay particles would be preferentially exchanged for calcium and magnesium, resulting in the evolution from calcium/magnesium-dominated shallow groundwater to sodium-dominated (and boron-rich) deep groundwater with increasing groundwater residence time."

  "While boron and sodium could be sourced from local water-rock interactions, they are commonly enriched and highly leachable from shales, and thus the strong correlation between boron and sodium, along with correlations between boron and sulfate ($r = 0.66$, $p < 0.05$), and sodium and sulfate ($r = 0.75$, $p < 0.05$) suggest that sulfide oxidation may occur within shale; this would release molybdenum and allow it to subsequently mix into the shallow aquifer along with sodium and boron. The δ11B values >20‰ found in the groundwater are higher than the ~15% expected from exchange of boron on marine clays, and yet are consistent with the values found in formation waters from shales."

  "In the case study of southeastern Wisconsin, the groundwater residence times indicate a premodern age (recharged before 1950) for waters in deep, molybdenum-rich groundwater from the eastern area of the study region. These groundwater wells all yielded apparent ages of >300 years."

The results of both regional studies support a geogenic source of boron and sulfate either in the dolomite bedrock aquifer itself for boron, and/or from interactions of groundwater with the underlying Maquoketa

[5] Buska, Paul M., Fitzpatrick, John and Watson, Lee R. and Kay, Robert T. Evaluation of Ground-Water and Boron Sources by Use of Boron Stable-Isotope Ratios, Tritium, and Selected Water Chemistry Constituents near Beverly Shores, Northwestern Indiana, 2004. U.S. Geological Survey Scientific Investigations Report 2007-5166. 2007.

[6] Ruhl, Laura S., Vengosh, Avner, Dwyer, Gary S., Hsu-Kim, Heileen and Deonarine, Amrika. A Twenty-Month Geochemical and Isotopic Investigation into Environmental Impacts of the 2008 TVA Coal Ash Spill, – May Denver, CO, USA : s.n., 2011. 2011 World of Coal Ash (WOCA) Conference - May 9-12, 2011.

[7] Ruhl, Laura. Boron and Strontium Isotopic Characterization of Coal Combustion Residuals: Validation of Novel Environmental Tracers, Paper No. 30616-208920. Charlotte, NC: s.n., 2012. 2012 Geological Society of America Annual Meeting and Exposition, 4-7 November.

Shale for boron and sulfate (with sulfide oxidation within the shale producing sulfate). These reports infer that elevated sulfate and sodium concentrations occur with boron because of the groundwater residence time and interactions with the host rock.

In summary, the study data indicates bedrock groundwater may exhibit higher concentrations of boron, sodium, and sulfate, as a result of chemical interactions of groundwater with naturally-occurring sulfide minerals during long residence times within the Silurian Dolomite (bedrock).

Observed concentrations of total boron in CCR monitoring wells near CAL are highest at W50, and similar to concentrations observed at W12D that were determined in the studies referenced above to be naturally occurring. A trend plot for boron is included below (**Figure F**).

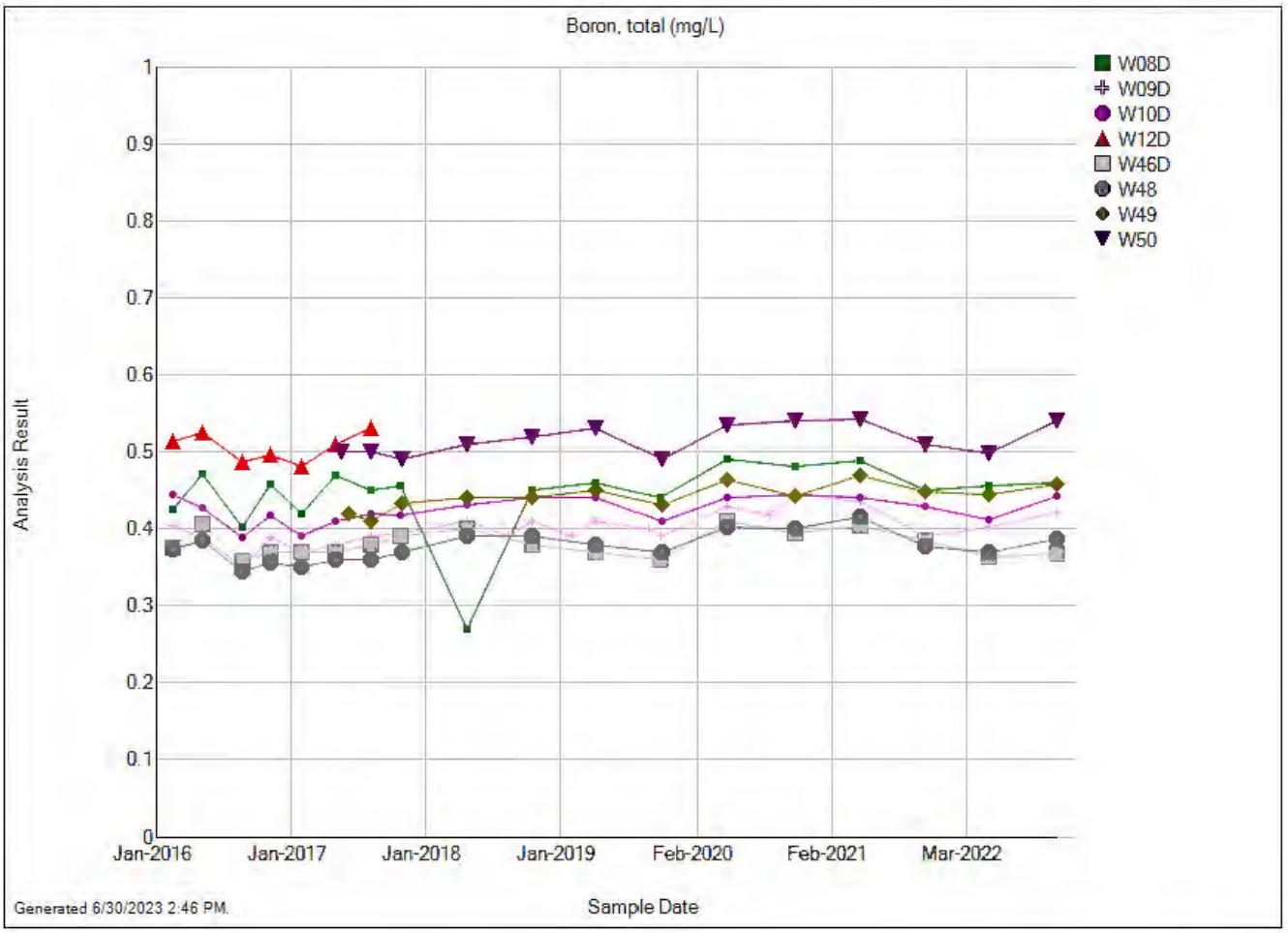


Figure F. Concentrations of total boron at select monitoring wells

Elevated boron and sulfate concentrations observed at W08D are attributed to several factors, including the geology and hydrogeologic position of this well in the bedrock aquifer.

- While developing the well following installation, the water level declined over 100 feet while pumping at a rate of less than one gallon per minute. This indicates low hydraulic conductivity within the screened zone, resulting in increased residence time, allowing for additional interaction between the groundwater and the aquifer rock matrix.

- The groundwater is highly reducing (median ORP of -260 mv) and exhibits lower pH (median of 7.5) in this portion of the bedrock aquifer, which increases the solubility of iron/manganese hydroxides onto which boron and sulfate are easily adsorbed. CAL leachate is alkaline, and the lower pH values observed in bedrock groundwater are indicative that the bedrock aquifer is not affected by the landfill. The oxidation of sulfide minerals can result in lower pH measurements and increased sulfate concentrations, both of which are present at this location.
- The concentrations of total boron observed at W08D (median of 0.47 mg/L) are similar in magnitude to W12D (median for total boron of 0.5055 mg/L), which is not impacted by CCR leachate based on the boron isotope data summarized above (WDNR, 2013). Higher boron concentrations (>1 mg/L) at depth were also observed in wells PW-12 and PW-13, which are screened almost 300 feet below ground surface, southeast of the site near Lake Michigan (see **attached Figure 7 from WDNR, 2013**). Boron isotopes measured in groundwater samples at these two locations are consistent with formation waters often observed in shale (WDNR, 2013).
- Concentrations of total boron, total calcium, and total sulfate observed in groundwater at well W08D are within the range of variability identified in groundwater studies in southeast Wisconsin. Concentrations of these parameters observed at other locations (see **attached Figure 1 from Harkness et al., 2017, and attached Figure 7 from WDNR, 2013**), are provided in **Table 1**. A ternary plot (**Figure G**) illustrates the distribution of these three parameters in groundwater samples collected from wells screened within the bedrock, including a 2017 sample from W08D. Note that the boron concentrations (in mg/L) were multiplied by 100 and rounded to the nearest integer to provide a value scaled for comparison to calcium and sulfate concentrations.

  The location where W08D plots on the ternary diagram (circled) is similar to that for other locations sampled during the groundwater studies referenced above. The locations with similar ratios to W08D are illustrated on the bedrock geology figure below (**Figure H**). These locations generally occur downgradient (based on west to east flow) of areas where the bedrock transitions between formations - specifically between the Waukesha and Racine Formations. The presence of the bedrock valley in the vicinity of W08D (**see attached Figure 2-7 from the ESAP Addendum submitted with the Ch. NR 514.045 Plan of Operation Modification**) results in elevations of bedrock at site monitoring wells (515 to 540 feet) that are similar to elevations where the Waukesha Formation is encountered at the bedrock surface. This indicates that downgradient site monitoring wells may be located just downgradient of an unmapped transition zone, while upgradient well W48 is at a higher bedrock elevation and screened within the Racine Formation upgradient of the transition zone.

  As presented previously, the source of boron could be from local water−rock interactions, but boron and sodium are also commonly enriched in and highly leachable from shales, thus presenting another potential geogenic source. A strong correlation between boron and sodium would support this hypothesis. The scatter plot of sodium and boron concentrations shown on **Figure I** includes data from both W08D (groundwater sample collected in 2020) and wells evaluated in WDNR, 2013 and Harkness et al., 2017. The strong correlation coefficient of 0.96 indicates that there is a high correlation between boron and sodium concentrations in these samples, which demonstrates they are likely from the same source. Harkness et al., 2017 concluded the strong correlation between these two parameters is evidence to support that the groundwater in the Silurian Dolomite is interacting with the underlying Maquoketa Shale, which results in progressively elevated concentrations of sodium and boron as the distance from recharge areas increases, as observed in CAL bedrock monitoring wells. The underlying shale as a potential source of boron in bedrock groundwater is consistent with the observation that higher boron concentrations occur at depth in the dolomite (as referenced above, WDNR, 2013 reported higher boron concentrations

than those observed in CAL bedrock monitoring wells at wells PW-12 and PW-13, which are screened 300 ft below ground surface) because they are screened deeper and closer to the Maquoketa Shale.

In addition to the correlation between sodium and boron, the long residence time of groundwater in the Silurian Dolomite aquifer is also supported by tritium analysis of groundwater collected from many of these locations (see **attached Table S3 from Harkness et al., 2017 Supporting Information**). The results included in WDNR, 2013 did not show detectable concentrations of tritium (including well W12D located downgradient of CAL), indicating groundwater was recharged to the Silurian Dolomite prior to 1950, pre-dating the existence of the power plant. Harkness et al., 2017 estimated the mean groundwater age in the dolomite aquifer in the region at greater than 300 years, and in Areas 3 and 5 located just upgradient of the site, the youngest age of groundwater is 338 years.

Based on the analysis of boron variability and distribution, and the groundwater age dating completed during previous studies, there is sufficient evidence to demonstrate that elevated boron and sulfate concentrations in downgradient bedrock monitoring wells are not associated with CAL but are from natural variability in groundwater within the bedrock.

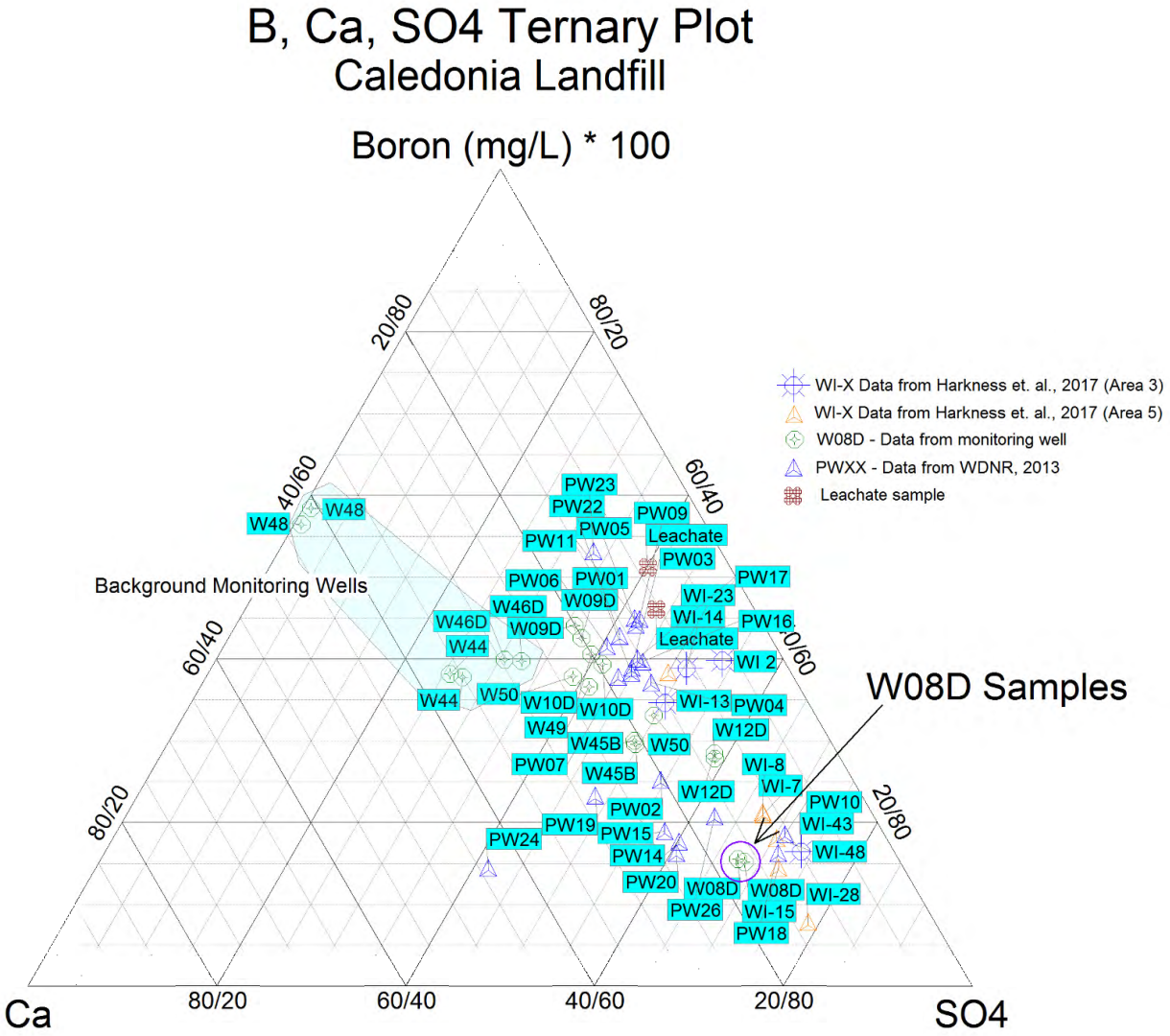
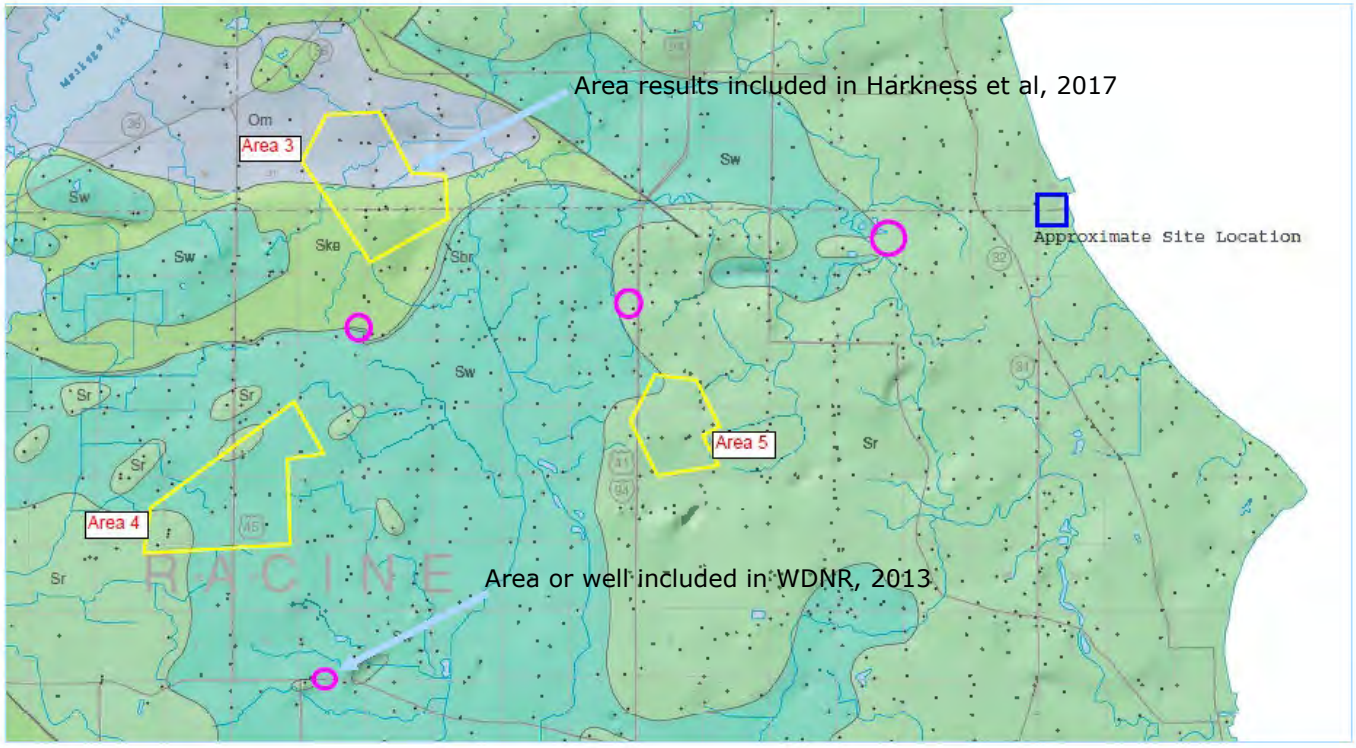


Figure G. Boron, Calcium, and Sulfate Ternary Plot



SILURIAN

Swb	**Waubakee Formation.** Dolomite, very fine grained, thin-bedded, dark to light gray.
Sr	**Racine Formation.** Dolomite, medium to coarse grained, thin- to thick-bedded, very light to light gray; fossiliferous.
Sm	**Manistique Formation.** Dolomite, fine to medium grained, thin- to medium-bedded, light to medium gray.
Sw	**Waukesha Formation.** Dolomite, medium grained, thin- to medium-bedded, light to medium gray, locally cherty.
Sbr	**Brandon Bridge Formation.** Dolomite, very argillaceous, pale green to pink.
Ske	**Kankakee Equivalent.** Dolomite, fine to medium grained, light to medium gray, locally cherty and fossiliferous.

Figure H. Regional Bedrock Geology

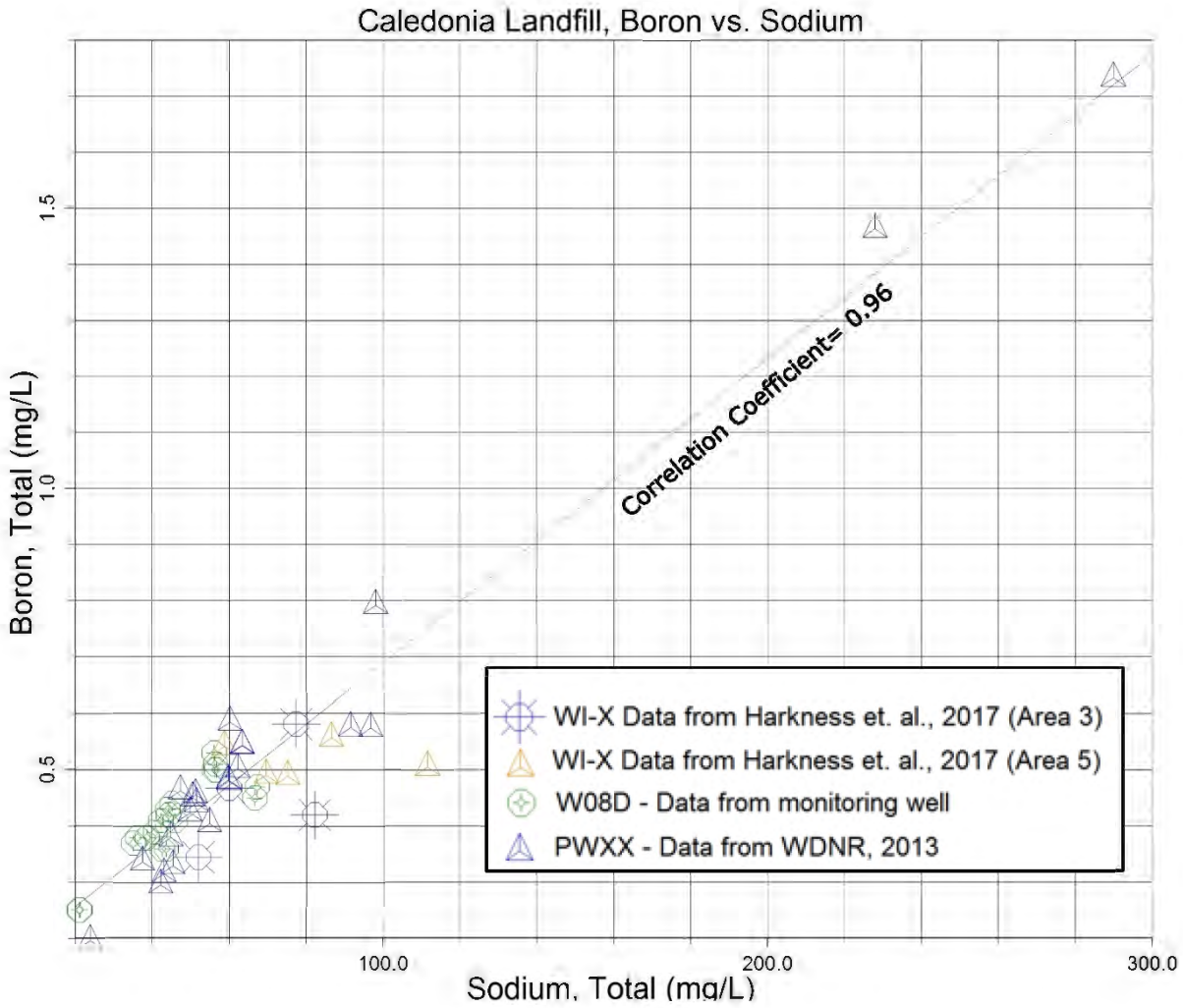


Figure I. Scatter plot of boron and sodium concentrations observed in groundwater samples collected from the bedrock aquifer.

Attachments

Table 1 – Summary of Indicator Parameters
Figure 1 from Harkness et al, 2017
Figure 7 from WDNR, 2013
Figure 2-7 from the ESAP Addendum submitted with the Ch. NR 514.045 Plan of Operation Modification
Table S3 from Harkness et al., 2017 Supporting Information

ATTACHMENTS

TABLE 1. SUMMARY OF INDICATOR PARAMETERS

ATTACHMENT A TO RESPONSES TO WDNR MARCH 12, 2024 INCOMPLETENESS DETERMINATION FOR THE PLAN OF OPERATION APPROVAL MODIFICATION FOR INITIAL PERMITTING OF COAL COMBUSTION RESIDUALS (CCR) LANDFILL

CALEDONIA ASH LANDFILL

CALEDONIA, WISCONSIN

Location ID	Sample Date	Calcium	Magnesium	Sodium	Chloride	Sulfate	Boron
		(mg/L)					
We Energies CCR Database							
Leachate	5/16/2017	330	35.7	216	105	1380	14.6
Leachate	8/22/2017	258	20.1	282	145	1190	15.2
W08D	5/15/2017	51.4	22.9	67.2	10.6	204	0.47
W08D	8/22/2017	48.9	21.7	66.6	10.8	203	0.45
W09D	5/15/2017	17.9	10.1	38.7	3.8	33.4	0.38
W09D	8/22/2017	17.7	9.9	40.8	3.8	31.8	0.39
W10D	5/15/2017	20.3	7.9	42.3	4.2	43	0.41
W10D	8/22/2017	20.7	8	44.3	4.2	40.8	0.42
W12D	5/15/2017	24.4	8.5	56.4	4.7	108	0.51
W12D	8/22/2017	24.3	8.3	56.1	4.7	109	0.53
W44	5/15/2017	23.7	22.6	20.9	2.4	16.8	0.25
W44	8/21/2017	23.2	21.6	21.2	2.2	18	0.25
W45B	5/15/2017	30.3	13.1	44.1	11.8	72.1	0.43
W45B	8/21/2017	30.4	12.6	45.2	11.5	72.3	0.44
W46D	5/16/2017	25.9	13.8	35.2	9.9	30.2	0.37
W46D	8/21/2017	28.1	15	36.3	10.6	29.1	0.38
W48	5/15/2017	25.1	16.1	42.6	3.8	0.5*	0.36
W48	8/21/2017	27.3	17.6	43.7	3.8	0.5*	0.36
W49	8/22/2017	24.9	10.7	46	6.3	46.1	0.41
W50	6/2/2017	30.8	12.6	56.2	6.5	51.3	0.5
W50	8/22/2017	25.9	9.7	56.7	5.4	75.2	0.5
Area 3 Harkness et al., 2017							
WI 2	Unknown	9.5	4.3	77.3	12.7	78.4	0.5813
WI-13		15.1	9	52	2.5	50	0.3451
WI-14		13	6.6	60	5.4	60.7	0.4681
WI-43		25.1	15	82.1	5.1	188	0.4196
Area 5 Harkness et al., 2017							
WI-7	Unknown	27.3	11.6	75.1	1.4	159	0.496
WI-8		27.1	12.3	69.5	1.4	157.9	0.498
WI-15		51.5	24.6	86.4	1.8	281.4	0.5638
WI-23		18.6	8.4	58.8	1.2	69.7	0.5489
WI-28		88	41.1	111.6	2.7	516.3	0.5124
WI-48		35.5	163	NA	1.8	215.2	0.5547

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Location ID	Sample Date	Calcium	Magnesium	Sodium	Chloride	Sulfate	Boron
		(mg/L)					
WDNR, 2013							
PW01	Unknown	19.8	9.93	51.5	10.2	52.4	0.448
PW02		31.3	14.1	44.9	10.9	83.7	0.387
PW03		19.5	7.95	50.5	8.7	52.5	0.458
PW04		19.2	8.51	51.3	7.91	59.2	0.463
PW05		24.4	10.6	98.1	31.3	76.6	0.799
PW06		20.2	9.62	47.3	10.7	45.9	0.47
PW07	Unknown	21.1	10.8	49.9	7.65	49.7	0.431
PW09		15.6	6.73	63.3	11	51.9	0.55
PW10		32.9	12.2	96.6	11.1	222	0.581
PW11		16.2	7.18	63.3	11.1	51.2	0.551
PW12		44.6	17.7	228	83.6	300	1.47
PW13		15.5	5.48	290	113	179	1.74
PW14		40.5	19.7	43.1	4.06	110	0.323
PW15		40.9	20.1	45.4	9.18	103	0.337
PW16		18.4	11.3	59.9	7.96	55.6	0.487
PW17		18.8	11.6	59.8	7.92	54.4	0.489
PW18		44.2	17.7	91.4	3.24	255	0.582
PW19		41.7	19.4	37.6	2.53	71.6	0.344
PW20		43.2	19.8	42.3	3.85	113	0.303
PW22		18.9	8.1	62.2	9.56	49.1	0.509
PW23		15	9.43	60.2	11.7	37.1	0.592
PW24		61.6	45.5	23.8	6.78	58.2	0.203
PW26		33.5	16.3	54.9	3.12	124	0.412
R-01		0.0709	ND	0.053	0.3	ND	0.0122

Notes:

*Non-detect concentrations presented as a concentration equal to half of the detection limit.

ND = Not Detected

NA = Not Analyzed

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Figure 1 from Harkness et al., 2017

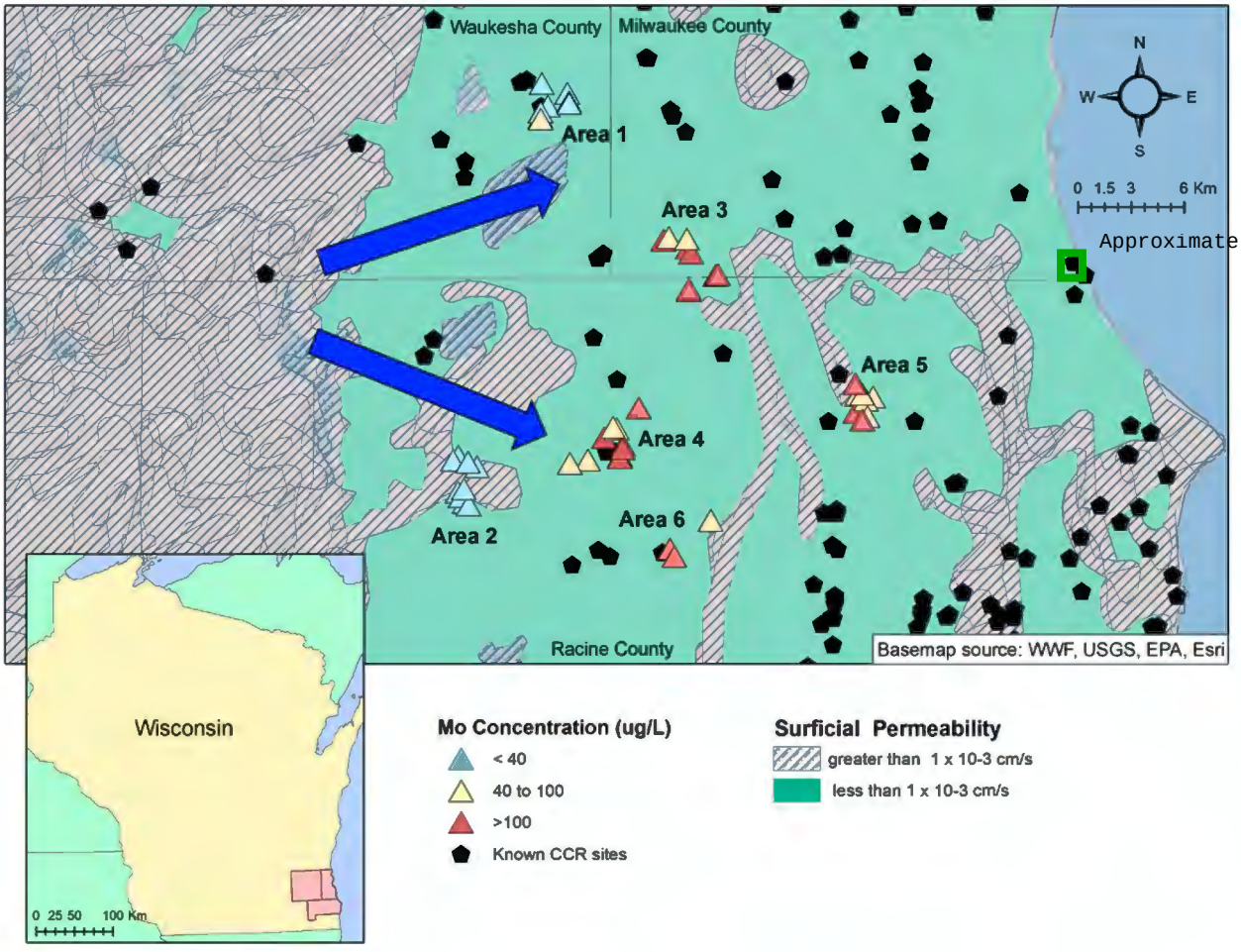


Figure 1. Location of drinking-water wells in southeast Wisconsin evaluated in this study. Areas 1−6 refer to the sample clusters selected for their previously reported molybdenum concentrations and locations with proximities to known coal ash disposal sites that include the following: Area 1 had previously reported low Mo and is located near (<1 km) known CCR disposal; Area 2 had previously reported low Mo and is located >1 km away from CCR disposal; Area 3 had previously reported high Mo and is located >1 km away from CCR disposal; Areas 4 and 6 had previously reported high Mo and are located near (<1 km) CCR disposal; and Area 5 was a mix of previously reported high and low Mo. The wells from these clusters are sorted by molybdenum concentrations measured in this study. The shaded areas in the western part of the region have higher hydraulic conductivity (>1 × 10^{-3} cm/s), and recharge of the regional groundwater occurs in this area. The green areas have relatively low hydraulic conductivity (<1 × 10^{-5} cm/s) and the surficial till deposits act as a confining layer.[31] The blue arrows represent regional groundwater flow from the recharge zone toward Lake Michigan to the east.[31]

concentrations of Mo in rocks (up to 1240 mg/kg) have been reported for organic-rich, sulphidic black shales.[4]

Recent studies have observed elevated concentrations of Mo and other metalloids such as Se and As in coals and coal combustion residues (CCR),[23] effluents derived from the discharge of coal ash ponds,[24] and groundwater and surface water impacted by CCR spills and leaking from coal ash ponds.[25,26] About 60% of CCRs generated in the U.S. are stored in surface impoundments and landfills, while the remaining volume is disposed through beneficial reuse.[27] Beneficial uses include encapsulating coal ash in concrete, wallboard, roofing material and bricks, while unencapsulated uses include structural fills and embankments for earth works and construction (i.e., roads). The unencapsulated uses currently account for a total of 12.6 million tons (27%) of CCRs reused in the U.S.;[27] however, there has been limited study on the impacts of this practice on underlying groundwater quality. Southeastern Wisconsin (Figure 1) represents an optimal study site for evaluating the possible connection between CCR surface disposal and the underlying groundwater quality. This area was chosen as a test location because of the association of CCR surface disposal with high concentrations of Mo and boron, another element strongly associated with CCR contamination, in drinking-water wells.[24,28,29]

About 85% of CCRs in Wisconsin have been disposed in the Wisconsin Electric Power Company (currently We Energies) landfills and as fill under roads, buildings, parks, and schools.[30] Clean Wisconsin, a nonprofit advocacy organization in Madison, WI, found records for more than one million tons of coal ash being "reused" between 1988 and 2012 in over 399 different construction projects throughout southeast Wisconsin.[31] On the basis of the occurrence of these activities, it was suggested that the high Mo in drinking-water wells in the study area may be from the leaching of Mo-rich effluents from the coal ash disposed widely throughout the area. However, a state run evaluation of drinking-water wells near a coal ash landfill pointed toward geogenic sources, such as the Maquoketa Shale confining layer or oxidation of pyrite found in the dolomite and shale.[32]

DOI: 10.1021/acs.est.7b03716
Environ. Sci. Technol. 2017, 51, 12190−12199

Figure 7 from WDNR, 2013

Figure 7: Locations of Private Wells in the Study Area

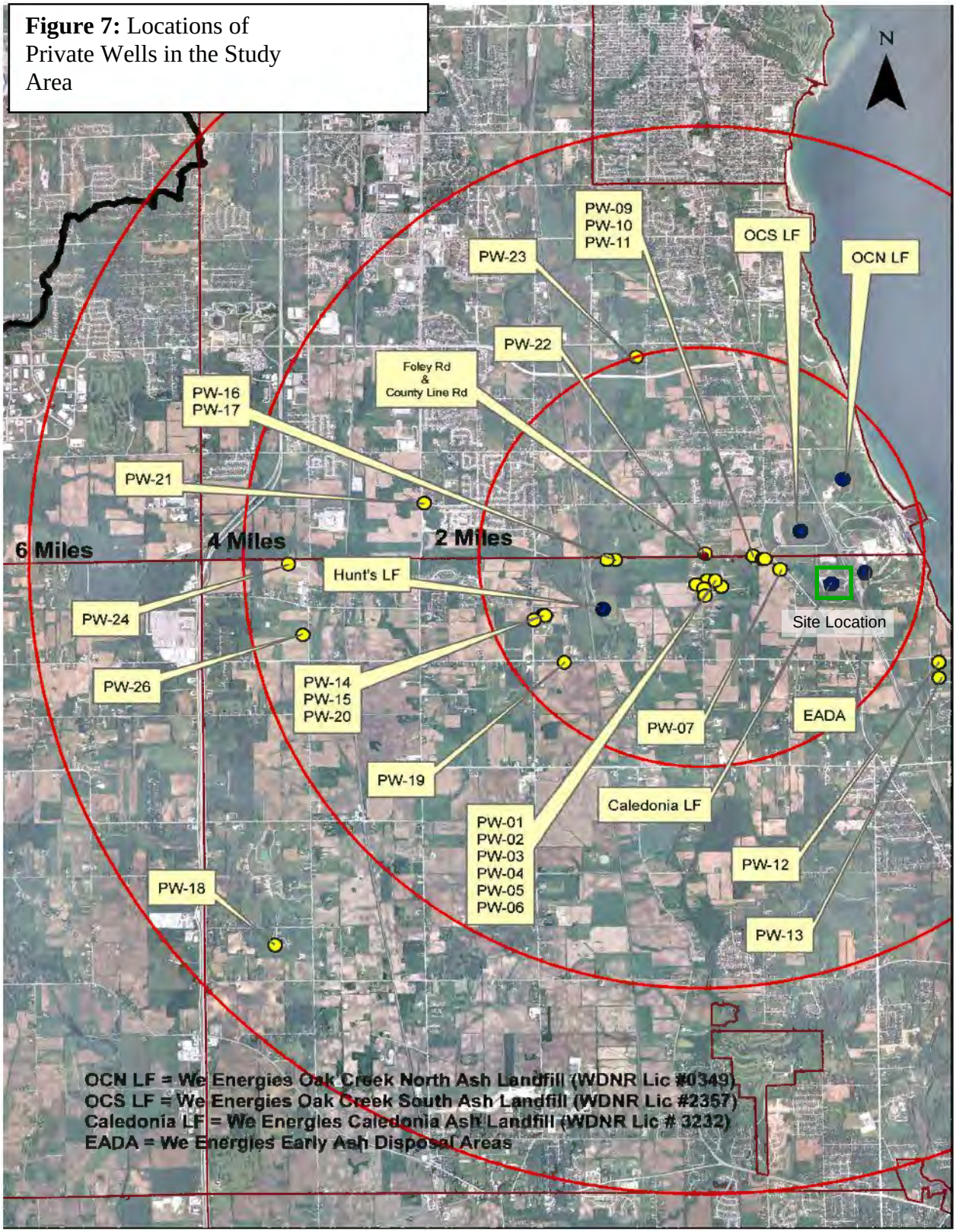
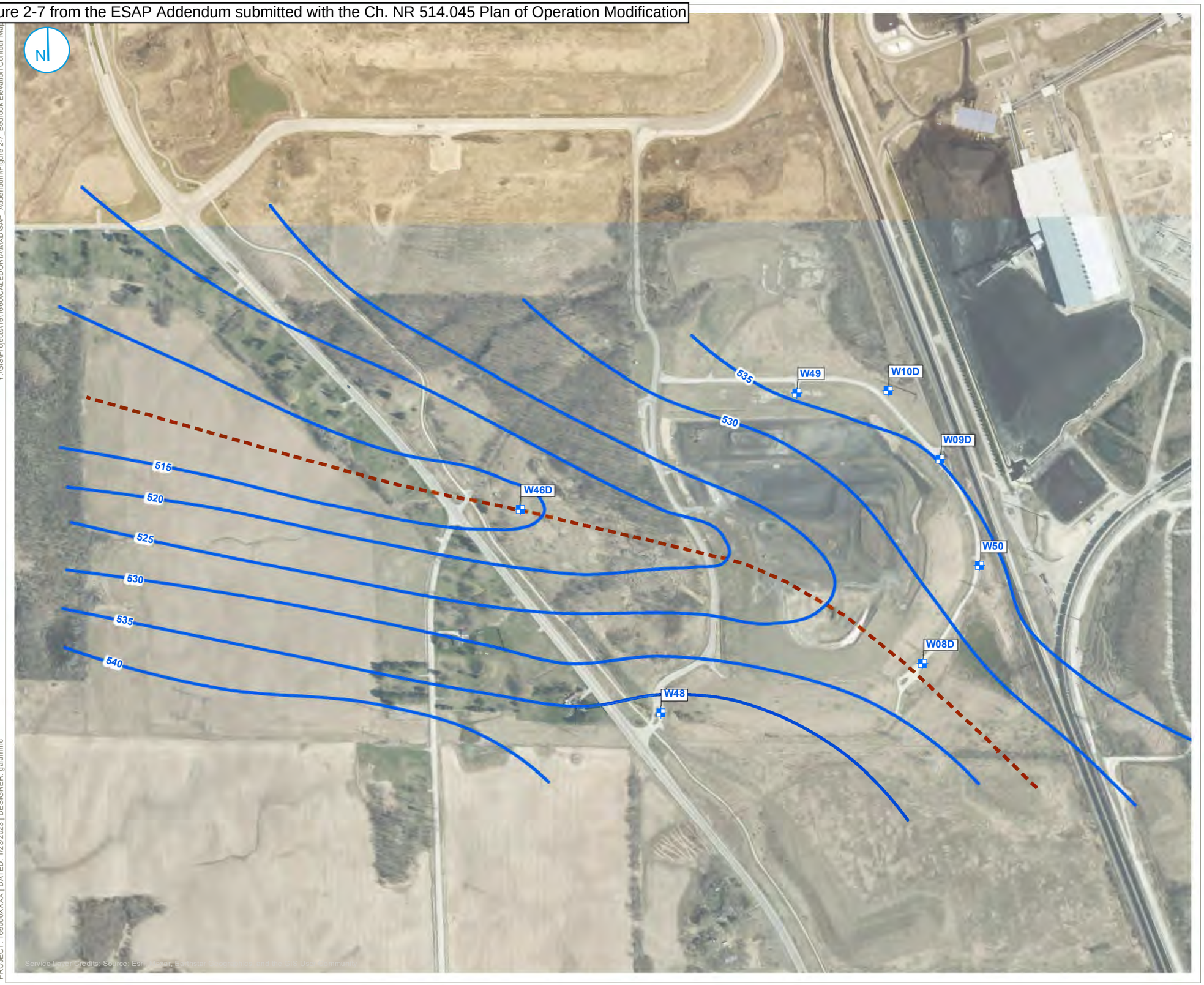


Figure 2-7 from the ESAP Addendum submitted with the Ch. NR 514.045 Plan of Operation Modification



BEDROCK UNIT (UPPERMOST AQUIFER) CCR MONITORING WELL LOCATION

TOP OF AQUIFER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)

APPROXIMATE CENTERLINE OF BEDROCK VALLEY

0 225 450 Feet

BEDROCK ELEVATION CONTOUR MAP

ENVIRONMENTAL SAMPLING AND ANALYSIS PLAN ADDENDUM
CALEDONIA ASH LANDFILL
CALEDONIA POWER PLANT
CALEDONIA, WISCONSIN

FIGURE 2-7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC

RAMBOLL

Y:\GIS\Projects\161\660\CALEDONIA\MXD\SAP_Addendum\Figure 2-7_Bedrock Elevation Contour Map.

PROJECT: 169000XXXX | DATED: 1/23/2023 | DESIGNER: galammo

Table S3 from Harkness et al., 2017

Table S3. Noble gas data for groundwater wells in southeastern Wisconsin. Data reported as b.d.l. are values below the detection limit of the analytical procedures. NA represents samples that were not analyzed for gas chemistry.

Well ID	Aquifer	^{3}He (pcc/L)	^{4}He (µcc/L)	R/R_A	Tritium (T.U.)	Mean residence time (years)	(He/Ne)	$(He/Ne)_{AIR}$
Area 1 (Low Mo, known coal ash disposal)								
WI-16	Dolomite	98.3	366.41	0.2	b.d.l.	694	2.0	6.88
WI-18	Glacial Till	106.8	66.14	1.2	0.9	34.0	0.4	1.40
WI-19	Glacial Till	70.9	50.80	1.0	0.5	13.8	0.3	1.17
WI-20	Glacial Till	87.5	40.78	1.7	11.1	19.0	0.3	1.19
WI-25	Dolomite	159.5	67.83	1.7	2.1	44.4	0.4	1.27
WI-29	Glacial Till	245.0	310.83	0.6	b.d.l.	576	1.6	5.47
WI-41	Glacial Till	332.4	950.18	0.3	b.d.l.	1937	2.5	8.70
WI-42	Dolomite	118.9	156.85	0.5	0.2	249	0.7	2.53
Area 2 (Low Mo, no known coal ash disposal)								
WI-9	Glacial Till	252.0	672.23	0.3	b.d.l.	1345	3.3	11.38
WI-10	Glacial Till	769.8	4379.27	0.1	b.d.l.	9233	24.0	83.46
WI-17	Dolomite	86.7	65.88	1.0	0.2	35.2	0.3	1.02
WI-21	Dolomite	201.4	940.26	0.2	b.d.l.	1915	3.4	11.66
WI-30	Dolomite	72.3	43.22	1.2	8.2	10.9	0.3	1.02
WI-31	Glacial Till	215.4	456.88	0.3	b.d.l.	887	2.6	8.88
WI-36	Dolomite	83.0	58.80	1.0	0.1	38.9	0.4	1.37
WI-37	Glacial Till	49.1	35.05	1.0	0.8	10.5	0.3	1.09
WI-39	Dolomite	118.0	83.94	1.0	0.1	39.4	0.4	1.28
Area 3 (High Mo, no know coal ash disposal)								
WI 2	Dolomite							
WI-3	Glacial Till	330.6	1657.93	0.1	b.d.l.	3442	6.7	23.15
WI-13	Dolomite	119.2	302.23	0.3	b.d.l.	558	1.4	4.70
WI-14	Dolomite	NA	NA	NA	NA	NA	NA	NA
WI-22	Glacial Till	1900.9	8209.12	0.2	b.d.l.	17381	45.7	158.63
WI-32	Glacial Till	118.0	860.61	0.1	b.d.l.	1746	2.8	9.78
WI-38	Glacial Till	3261.5	9223.47	0.3	b.d.l.	19539	20.4	70.94
WI-43	Dolomite	116.3	481.02	0.2	b.d.l.	938	2.1	7.18
WI-45	Glacial Till	3987.7	10545.65	0.3	b.d.l.	22352	116.7	405.16
Area 4 (High Mo, known coal ash disposal)								
WI-1	Glacial Till	71.0	251.07	0.2	b.d.l.	449	1.2	4.13
WI-4	Dolomite	294.5	1738.35	0.1	b.d.l.	3614	9.0	31.40
WI-5	Dolomite	90.7	192.95	0.3	1.2	325	0.9	3.10
WI-11	Glacial Till	NA	NA	NA	NA	NA	NA	NA
WI-12	Dolomite	74.2	254.66	0.2	b.d.l.	457	1.1	3.78
WI-24	Dolomite	111.2	271.05	0.3	b.d.l.	492	1.3	4.69
WI-26	Dolomite	96.7	249.96	0.3	0.3	447	1.3	4.51
WI-27	Dolomite	248.2	1583.19	0.1	b.d.l.	3283	5.5	19.09
WI-40	Dolomite	78.1	194.49	0.3	0.3	329	0.8	2.85
WI-47	Dolomite	182.6	175.03	0.8	b.d.l.	287	0.4	1.30
Area 5 (Mix of high and low Mo)								
WI-6	Dolomite	185.8	510.45	0.3	b.d.l.	1001	2.3	7.90
WI-7	Dolomite	131.4	259.00	0.4	0.9	466	1.0	3.36
WI-8	Dolomite	79.5	249.70	0.2	b.d.l.	446	1.1	3.82
WI-15	Dolomite	113.7	439.65	0.2	b.d.l.	850	1.2	4.29
WI-23	Dolomite	599.7	2630.44	0.2	b.d.l.	5512	9.9	34.24
WI-28	Dolomite	198.0	474.74	0.3	b.d.l.	925	1.9	6.58
WI-34	Glacial Till	102.9	198.80	0.4	b.d.l.	338	1.1	3.87
WI-35	Dolomite	238.8	2071.99	0.1	b.d.l.	4323	7.0	24.28
WI-48	Dolomite	93.5	363.04	0.2	b.d.l.	687	1.2	4.01
Area 6 (High Mo, known coal ash disposal)								
WI-33	Dolomite	147.6	215.87	0.5	b.d.l.	374	1.0	3.47
WI-44	Dolomite	119.4	298.67	0.3	b.d.l.	550	0.8	2.87
WI-46	Glacial Till	559.1	1853.63	0.2	b.d.l.	3859	12.6	43.88

ATTACHMENT B

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 Caledonia Ash Landfill are naturally occurring and not a result of a release from the Landfill

August 23, 2024

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

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

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 Caledonia Ash Landfill (CAL) 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 CAL.

1. Increasing dissolved molybdenum and dissolved sodium concentrations with depth
2. Decreasing total filtered alkalinity, dissolved calcium, and dissolved magnesium concentrations with depth
3. Monitored concentrations of dissolved sodium and dissolved potassium facilitate comparison of ionic compositions of groundwater samples from the non-CCR monitoring wells with samples from bedrock wells, and the samples from the deeper non-CCR wells have ionic compositions more consistent with that of bedrock groundwater than shallow groundwater

Additional information pertaining to these lines of evidence is provided below. Data used in the analyses was collected at CAL from 2001 through 2023.

LOE #1: Increasing Dissolved Molybdenum and Dissolved Sodium 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 five CAL non-CCR monitoring wells; their position relative to CAL 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.

- W03AR (downgradient, intermediate depth)
- W03CR (downgradient, deep)
- W09C (downgradient, deep)
- W12D (bedrock)
- W16AR (sidegradient, intermediate depth)
- W46C (sidegradient, deep)

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

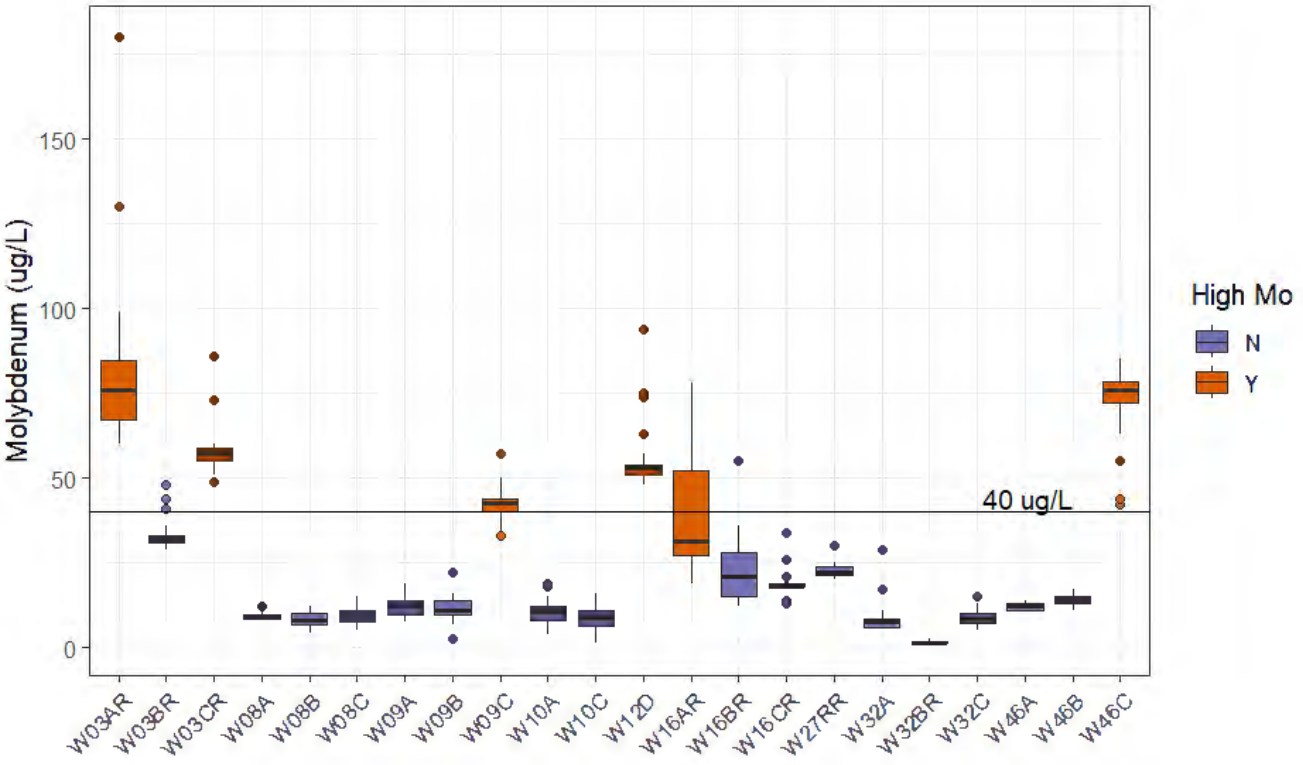


Figure A – Dissolved molybdenum concentrations in non-CCR monitoring wells at CAL.

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 CAL to the highest dissolved molybdenum concentrations in groundwater.

Dissolved molybdenum concentrations in shallow wells located sidegradient and downgradient relative to CAL are higher than those in upgradient wells; however, they are still generally lower than dissolved molybdenum concentrations in deep wells. Potential causes for dissolved molybdenum concentrations in sidegradient and downgradient wells being higher than upgradient wells include a limited upgradient sample size; 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 exposing different layers of the dolomite bedrock with different geochemistry.

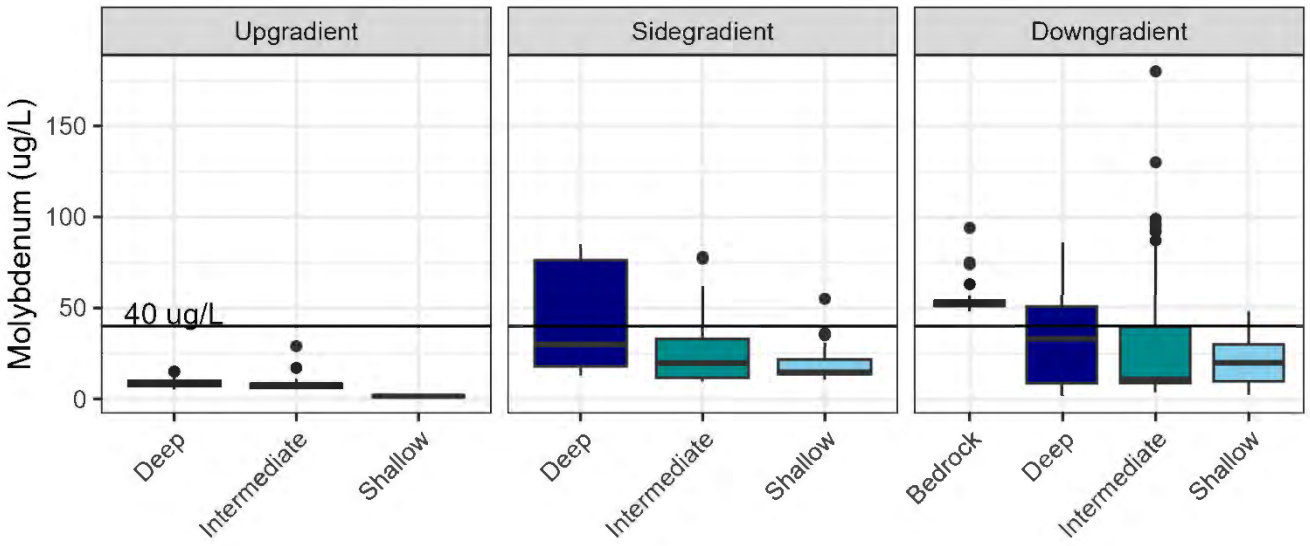


Figure B - Observed dissolved molybdenum concentrations in non-CCR monitoring wells grouped by position relative to CAL.

Dissolved sodium concentrations are also elevated in deeper wells relative to shallow wells (**Figure C**). Accordingly, wells with elevated dissolved molybdenum concentrations (**Figure B**) tend to also have elevated dissolved sodium concentrations (**Figure D**). This is consistent with observations by Harkness et al. 2017, which found that deeper groundwater in southeast Wisconsin was enriched in both sodium and molybdenum.

Site-specific observations of increasing dissolved molybdenum and dissolved sodium concentrations with depth indicate that the source of dissolved molybdenum and dissolved sodium concentrations observed in non-CCR monitoring wells at CAL is not a release from the Landfill. Harkness et al. (2017) suggested that molybdenum is being released through oxidation of sulfides in the shale bedrock underlying the unlithified soils and dolomite bedrock beneath CAL and is migrating upward under natural hydraulic gradients in this unit.

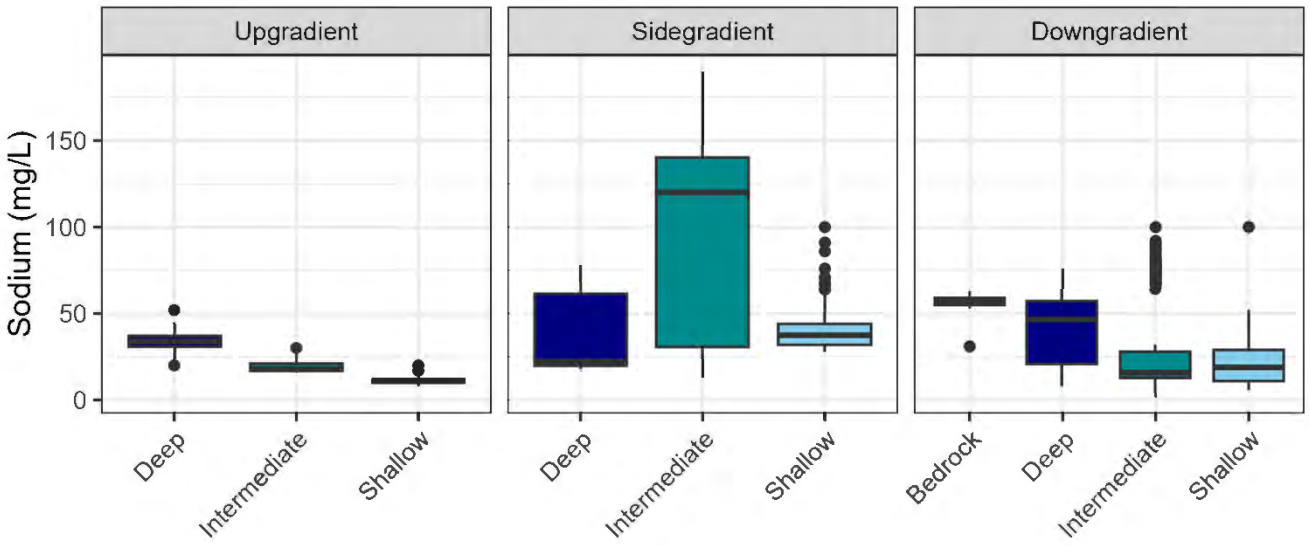


Figure C. Observed dissolved sodium concentrations in non-CCR monitoring wells grouped by well depth and position relative to CAL.

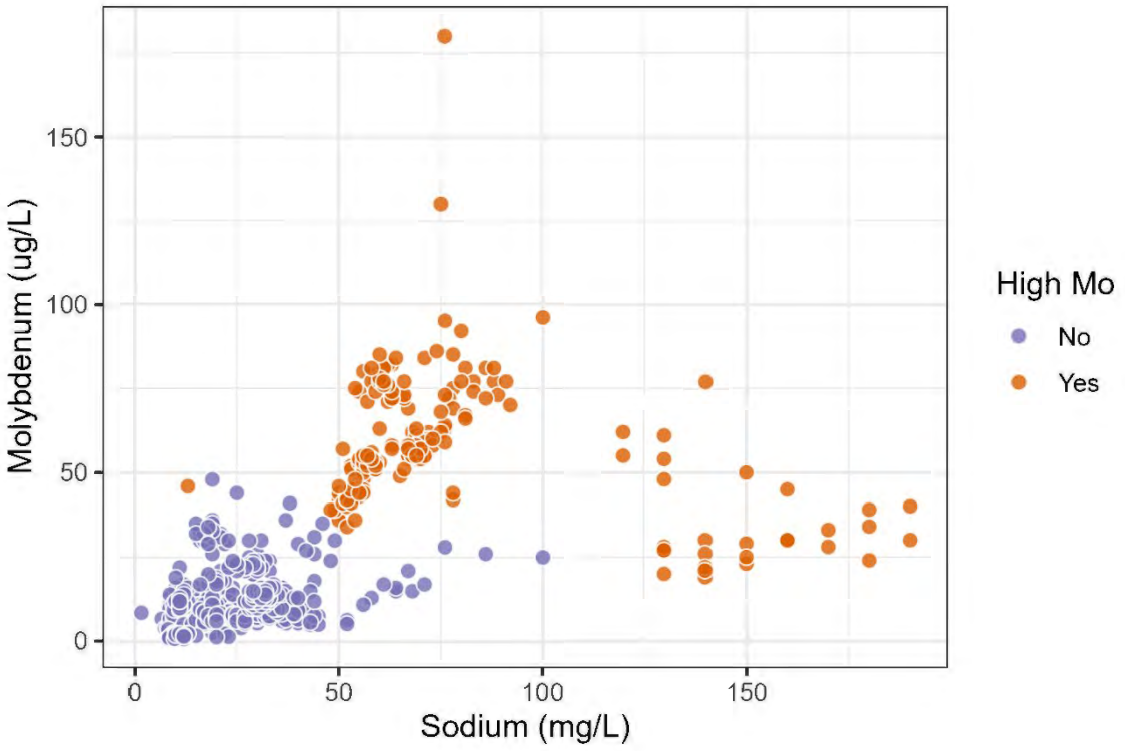


Figure D. Dissolved molybdenum concentrations plotted against dissolved sodium concentrations in CAL non-CCR monitoring wells.

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

Deeper CAL 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 E**). 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 F**).

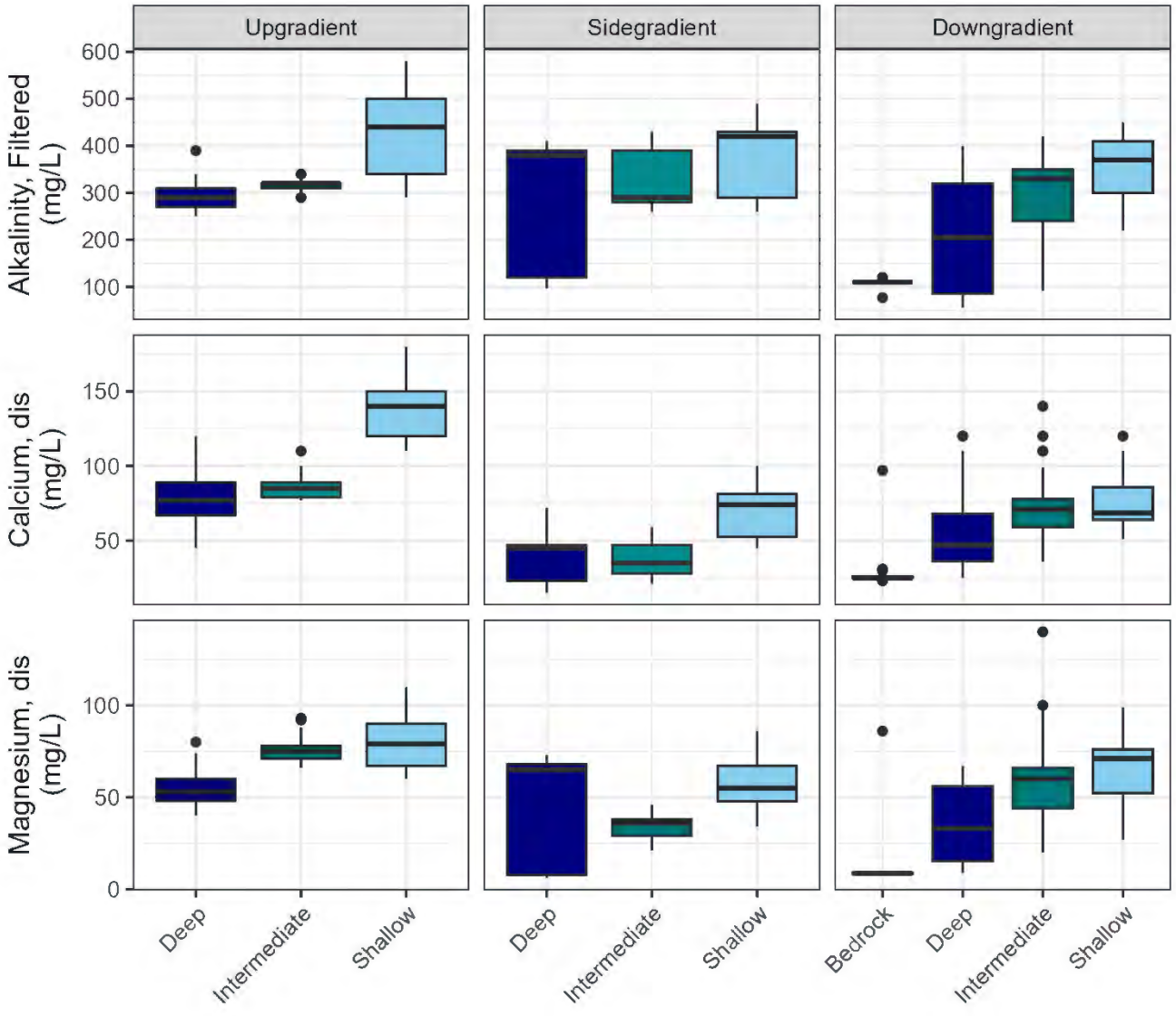


Figure E. Observed total filtered alkalinity, dissolved calcium, and dissolved magnesium concentrations in non-CCR monitoring wells grouped by well depth and position relative to CAL.

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 and sodium concentrations were elevated in deeper wells with a bedrock-related groundwater signature.

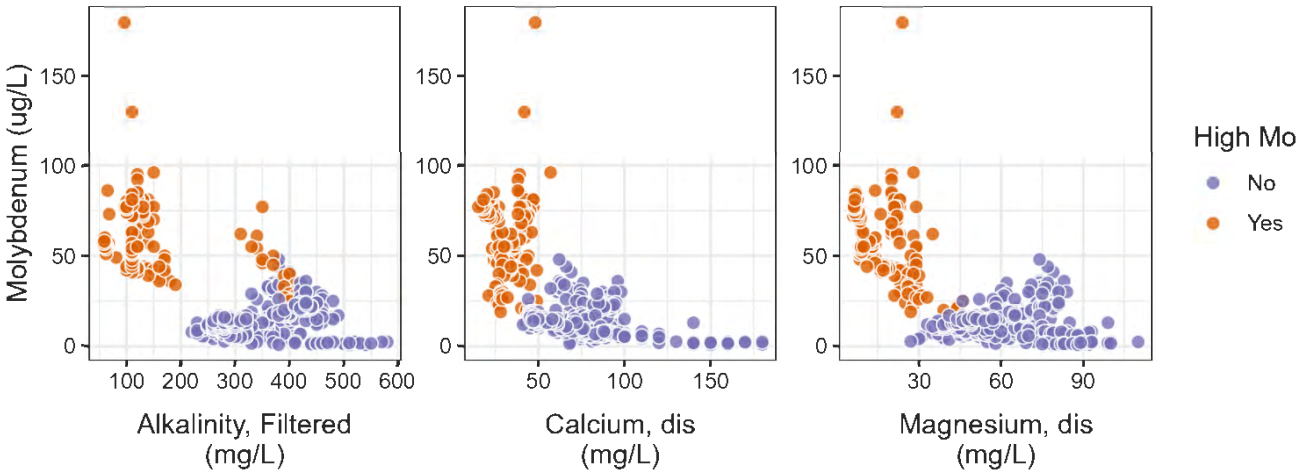


Figure F. Dissolved molybdenum plotted against total filtered alkalinity, dissolved calcium, and dissolved magnesium concentrations in CAL non-CCR monitoring wells.

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

LOE #3: Ionic Composition of Groundwater from Deep non-CCR Monitoring Wells is More Consistent with Bedrock Groundwater than Shallow Groundwater

Combining the observations referenced in LOEs #1 and #2 above and comparing the ionic composition of groundwater demonstrates that the ionic composition of groundwater collected from deep non-CCR monitoring wells at CAL is more consistent with the ionic composition of groundwater collected from monitoring wells screened in bedrock than that of groundwater collected from shallow-screened monitoring wells.

Piper diagrams graphically represent ionic composition of aqueous solutions by displaying the position of water samples with respect to their major cation and anion content on the two lower triangular portions of the diagram, providing the information which, when combined on the central, diamond-shaped portion of the diagram, identify composition categories or groupings (hydrochemical facies). **Figure G** on the following page is a Piper diagram that displays the ionic composition of groundwater samples collected from CAL non-CCR monitoring wells. The symbols representing the ionic composition of groundwater samples on the diagram are color-coded to indicate high or low concentrations of dissolved molybdenum relative to each other.

It is evident from **Figure G** that monovalent cations are dominant in groundwater collected from wells with relatively high dissolved molybdenum concentrations, and the positions of these samples on the central, diamond-shaped portion of the diagram are shifted more towards the low divalent cation corner than the samples with relatively low dissolved molybdenum concentrations. This is consistent with the observations in LOEs #1 and #2 above, with samples having relatively high dissolved molybdenum concentrations also having relatively high dissolved sodium and relatively low total filtered alkalinity, dissolved calcium, and dissolved magnesium concentrations, as relative concentrations of these parameters help define ionic composition.

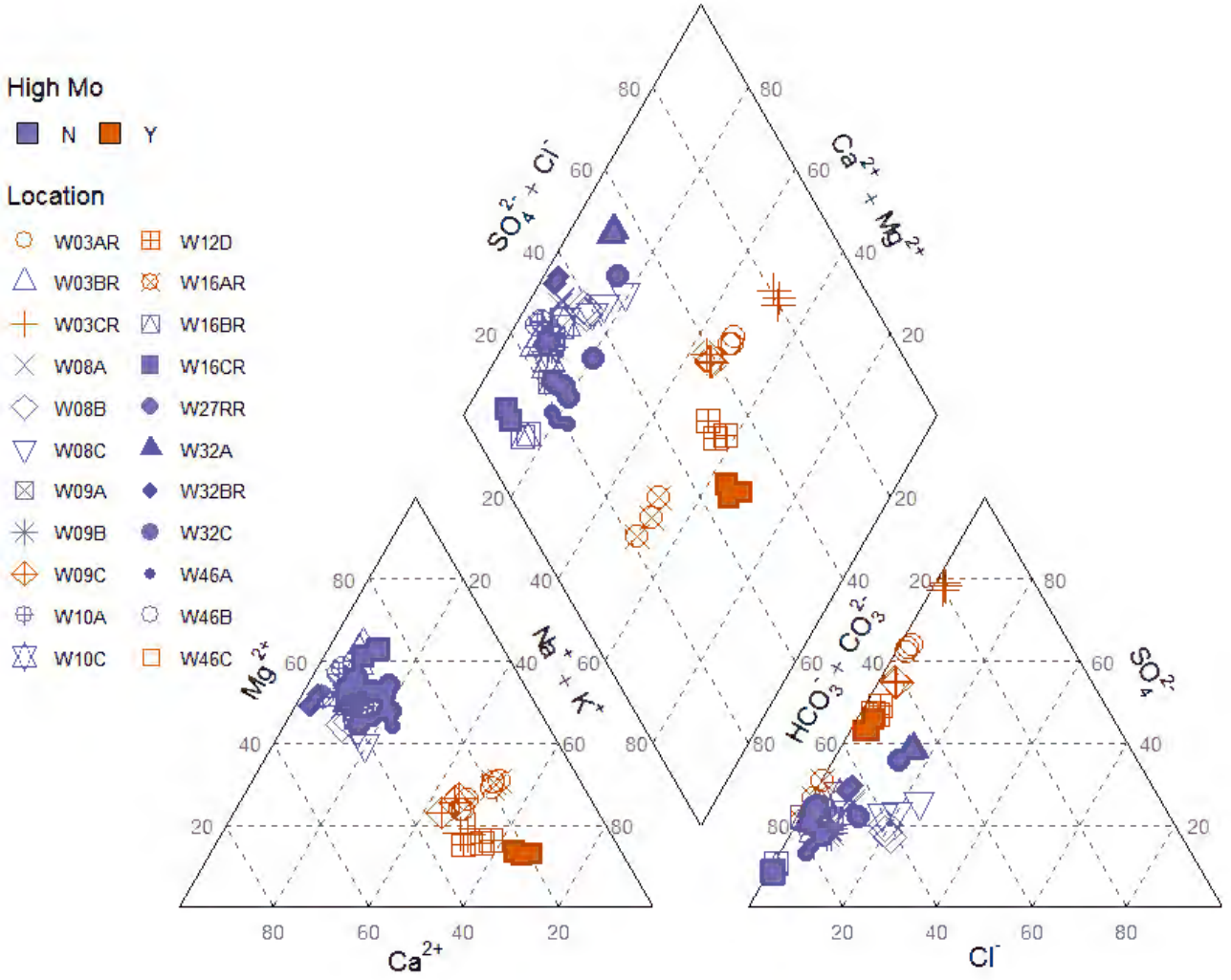


Figure G - Piper diagram showing the ionic composition of groundwater samples collected from CAL non-CCR monitoring wells.

The ionic composition of groundwater samples with higher dissolved molybdenum concentrations is extremely consistent with observations by Harkness et al. (2017), with samples of bedrock-influenced groundwater (elevated molybdenum and sodium concentrations) having a similar ionic composition. **Figures H and I** on the following pages show the ionic composition of groundwater samples collected from CAL non-CCR monitoring wells and ionic composition of samples collected and evaluated by Harkness et al. (2017), respectively. The symbols indicating the ionic composition of individual samples on **Figure H** are color-coded to also represent concentrations of dissolved molybdenum in a similar manner as **Figure I** for comparative purposes. This makes it easier to see similarities between the triangular portions of the Piper diagrams illustrating cation and anion content, respectively.

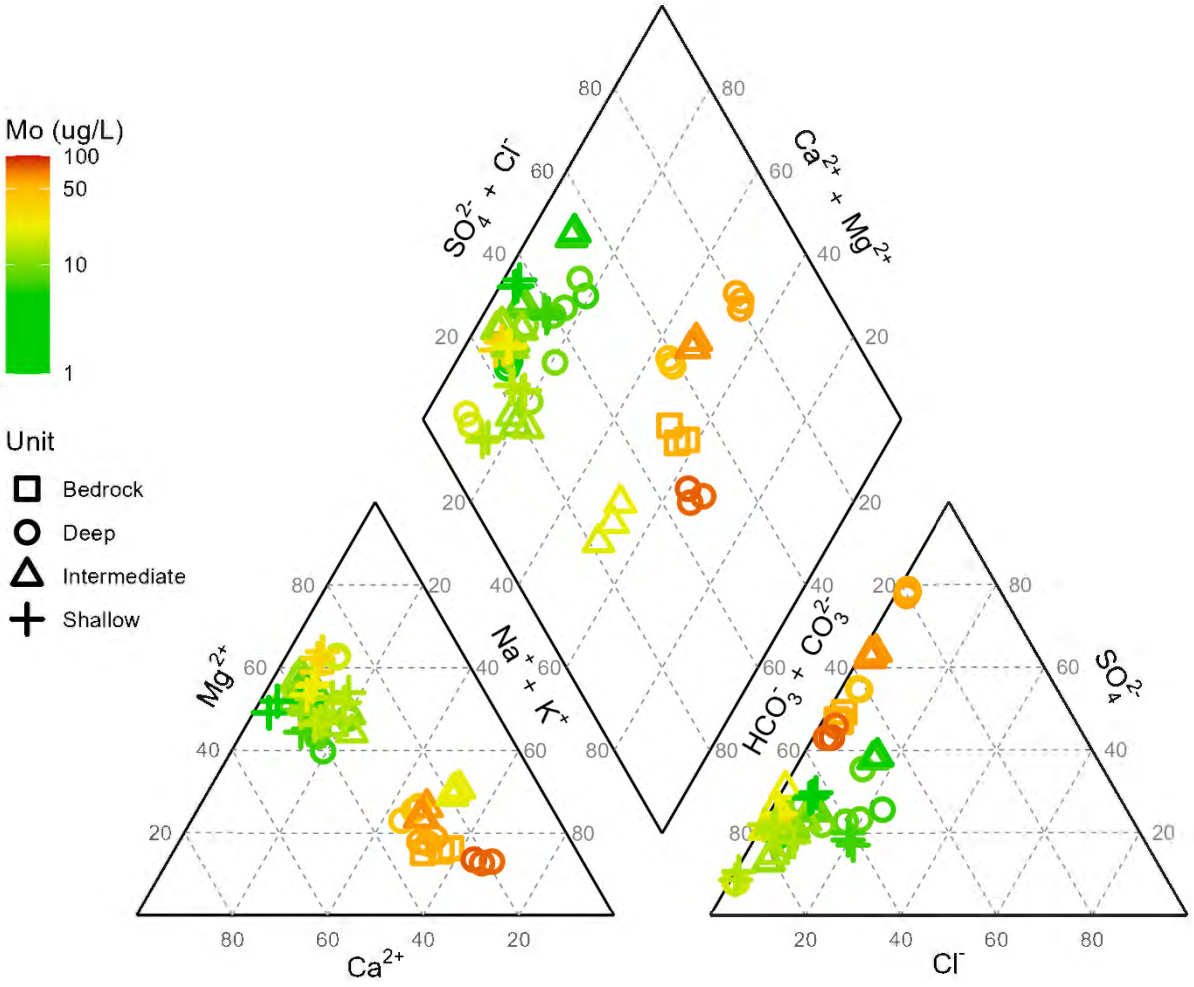


Figure H - Piper diagram showing the ionic composition of groundwater samples collected from CAL non-CCR monitoring wells color-coded to also show dissolved molybdenum (Mo) concentrations in a similar manner as Harkness et al., 2017.

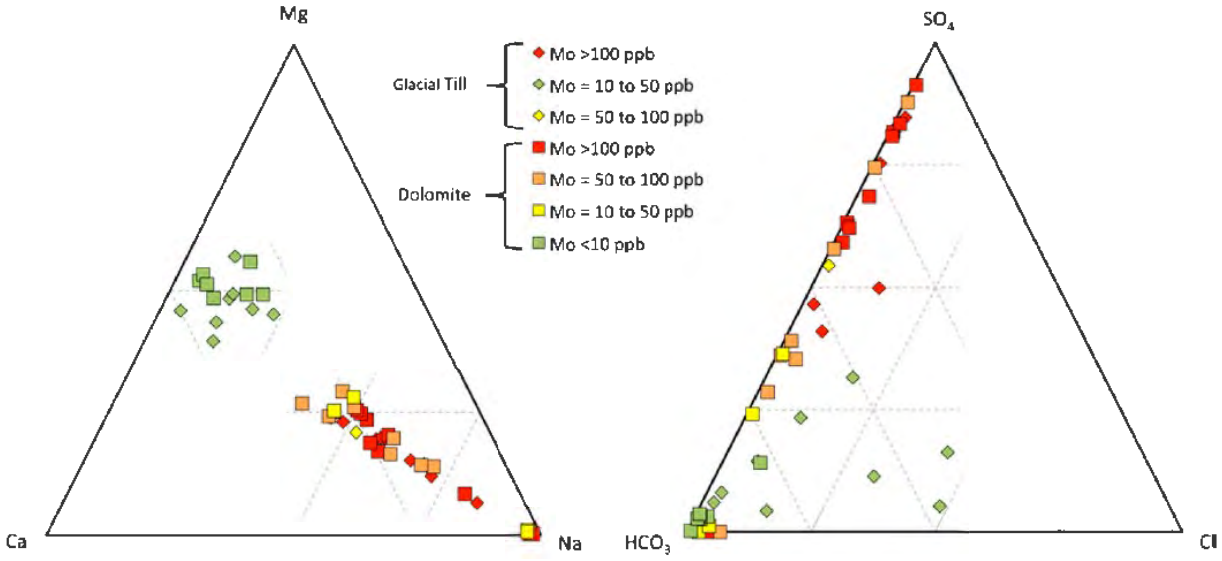


Figure I – Lower triangular portions of a Piper diagram showing the cation and anion content of groundwater samples collected by Harkness et al. and color-coded to show molybdenum (Mo) concentrations.

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

ATTACHMENT - SECTION 2

DECEMBER 13, 2023
PLAN OF OPERATION MODIFICATION
WE ENERGIES CALEDONIA ASH LANDFILL

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

December 13, 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 CALEDONIA ASH LANDFILL
LICENSE #3232 - FID# 252108450

Dear Ms. Zewicki:

Please find enclosed an updated Plan of Operation Modification (POM) for the We Energies Caledonia Ash Landfill (License #3232) 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 detection monitoring parameters calcium, chloride, magnesium, potassium, molybdenum, selenium, and sodium. 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 Caledonia Ash Landfill (License #3232)
- GEI Letter dated September 29, 2023
  Plan of Operation Modification – Response to Incompleteness Determination We Energies Caledonia Ash Landfill (License #3232) Caledonia, Wisconsin
- Ramboll Letter dated December 12, 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 Caledonia Ash Landfill (CAL) Ash Landfill (License #3232)

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 12, 2023

Enclosure:
Plan of Operation Modification
We Energies Caledonia 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 # 252108450
Racine 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 Caledonia Ash Landfill (License #3232)

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 Caledonia Ash Landfill. The plan includes a report and set of plan sheets titled: "We Energies Caledonia Ash Landfill, License #3232 – FID #252108450, 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 504.04(4)(b), Wis. Adm. Code:** Provide additional information on the proposed improvements to make the site attractive habitat to native pollinators. The report states the NHI preliminary review shows the site overlaps the Karner Blue Butterfly and Rusty Patched Bumble Bee high potential zones and that the final cover and final site restoration should take into consideration additional improvements to make the site an attractive habitat for native pollinators.

2. **Section NR. 504.04(4)(c), Wis. Adm. Code:** Provide a copy of the facility's Wisconsin Pollutant Discharge Elimination System (WPDES) permit and a copy of the facilities most recent stormwater pollution prevention plan (SWPPP).

3. **Sections NR 504.06(3)(h)(i) and (j), Wis. Adm. Code:** Provide the information required for composite lined landfills.

4. **Section NR 504.06(5)(j), Wis. Adm. Code:** Provide a revised leachate removal system which includes a sump and side slope riser design.

5. **Section NR 504.07(4), Wis. Adm. Code:** Provide a revised final cover design that includes a clay capping layer or a soil barrier layer with a geocomposite clay layer (GCL). The current final cover design has a 24-inch-thick compacted flue gas desulfurization (FGD) filter cake/fly ash barrier layer instead of a soil barrier layer and therefore, does not meet the code requirements.

    a. S. NR 504.075, Wis. Adm. Code: Provide remaining clay available at the existing clay borrow source, propose a new clay borrow or soil barrier layer borrow source for material needed for the revised final cover design.

    b. S. NR 514.06, Wis. Adm. Code: Provide the information in this section that will change due to the revised final cover design such as a revised final topography plan sheet and revised closure costs.

    c. SS. NR 514.07(1)(i) and (j), Wis. Adm. Code: Provide updated construction quality control and assurance plans which reflect the revised final cover design.

    d. S. NR 514. 07(10)(1)(c)2, Wis. Adm. Code: Provide a revised closure plan that includes a description of the methods and procedures to be used to install the revised final cover.

6. **Section NR 504.09(2)I, Wis. Adm. Code**: Provide a revised design that includes a minimum of two leachate head wells for each major phase of the landfill (Cells 12, 14, and 16).

7. **Section NR 504.12(3)(a), Wis. Adm. Code:** Provide a revised liner design that includes a minimum 4-foot-thick layer of compacted clay. A GCL and soil barrier may be used in place of the clay layer.

8. **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.

9. **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.

10. **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.

11. **Section NR 514. 07(10)(c)6, Wis. Adm. Code:** Provide a closure schedule that provides sufficient information to describe the sequential steps that will be taken to close the CCR landfill, including installation of the final cover system, and the estimated timeframes to complete each step or phase of CCR landfill closure.

12. **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 and 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.

13. **Section NR 520.07(2) and (3), Wis. Adm. Code:** Provide updated cost estimates for closure and long-term care as needed to reflect above items.

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

15. 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.

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
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 Caledonia Ash Landfill (License #3232)
Caledonia, 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 Caledonia Ash Landfill (WDNR License No. 3232) Plan of Operation Modification, received on April 28, 2023. The WDNR requested additional information related to the design, operation, environmental monitoring, and financial responsibility for the Caledonia 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 504.04(4)(b), Wis. Adm. Code: Provide additional information on the proposed improvements to make the site attractive habitat to native pollinators. The report states the NHI preliminary review shows the site overlaps the Karner Blue Butterfly and Rusty Patched Bumble Bee high potential zones and that the final cover and final site restoration should take into consideration additional improvements to make the site an attractive habitat for native pollinators.

Response to Comment 1: Section 3.2 and the Closure Plan (Appendix L) of the Plan of Operation Modification was updated to include language stating that final restoration seeding will utilize the "Karner Blue Butterfly Habitat Conservation Plan User Guide" and the U.S. Fish and Wildlife Service (USFWS) "Conservation Management Guidelines for the Rusty Patched Bumble Bee" to make the final covers at the Caledonia Ash Landfill an attractive habitat for Karner Blue Butterfly's and Rusty Patched Bumble Bees.

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

Comment 2: Section NR 504.04(4)(c), Wis. Adm. Code: Provide a copy of the facility's Wisconsin Pollutant Discharge Elimination System (WPDES) permit and a copy of the facilities most recent stormwater pollution prevention plan (SWPPP).

Response to Comment 2: The WPDES permit and most recent SWPPP are included in Appendix C.

Comment 3: Sections NR 504.06(3)(h)(i) and (j), Wis. Adm. Code: Provide the information required for composite lined landfills.

Response to Comment 3: The information requested in the code cites NR 504.06(3)(h)(i) and (j) are discussed in the Construction Quality Assurance (CQA) Plan in Appendix N.

Comment 4: Section NR 504.06(5)(j), Wis. Adm. Code: Provide a revised leachate removal system which includes a sump and side slope riser design.

Response to Comment 4: GEI has revised the leachate removal system for the unconstructed Cells 12, 14, and 16, to include a sump and side slope riser pipe on the east end of each phase to convey leachate to a manhole located outside the limit of waste. A discussion of the revised leachate removal system can be found in Section 5.2.6 of the Plan of Operation Modification and detailed in Drawings PM-4, PM-5, PM-9, PM-10, PM-20, and PM-21. Calculations related to the size of the sump are included in Appendix H.

Comment 5: Section NR 504.07(4), Wis. Adm. Code: Provide a revised final cover design that includes a clay capping layer or a soil barrier layer with a geocomposite clay layer (GCL). The current final cover design has a 24-inch-thick compacted flue gas desulfurization (FGD) filter cake/fly ash barrier layer instead of a soil barrier layer and therefore, does not meet the code requirements.

Response to Comment 5: The final cover design has been revised to include either a 24-inch-thick clay capping layer or a 24-inch-thick soil barrier layer overlaid by a geosynthetic clay liner (GCL). The option to use a 24-inch-thick compacted flue gas desulfurization (FGD) filter cake/fly ash barrier layer has been removed from the Plan of Operation Modification. The revised final cover design is discussed in Section 5.6 of the Plan of Operation, the Closure Plan (Appendix L), the CQA Plan (Appendix M), and detailed on Drawing PM-15.

Comment 5a: Section NR 504.075, Wis. Adm. Code: Provide remaining clay available at the existing clay borrow source, propose a new clay borrow or soil barrier layer borrow source for material needed for the revised final cover design.

Response to Comment 5a: The remaining quantity of clay available at the existing on-site clay borrow source north of Cell 10 is approximately 97,300 cubic yards and is added to Drawing PM-2. Additionally, a new clay borrow, or soil barrier layer borrow source is not proposed in the Plan of Operation Modification but will be submitted for approval prior to use in the barrier layer before a future final cover construction.

Comment 5b: Section NR 514.06, Wis. Adm. Code: Provide the information in this section that will change due to the revised final cover design such as a revised final topography plan sheet and revised closure costs.

Response to Comment 5b: A revised closure cost estimate is included in the Closure Plan (Appendix L). The final topography plan sheet did not change with the addition of a GCL in the final cover system.

Comment 5c: Sections NR 514.07(1)(i) and (j), Wis. Adm. Code: Provide updated construction quality control and assurance plans which reflect the revised final cover design.

Response to Comment 5c: An updated CQA Plan is attached in Appendix N that reflects the revised final cover design, including the addition of a section discussing GCL observations and testing and the removal of fly ash as an option for a barrier layer material in the final cover system.

Comment 5d: Section NR 514.07(10)(1)(c)2, Wis. Adm. Code: Provide a revised closure plan that includes a description of the methods and procedures to be used to install the revised final cover.

Response to Comment 5d: GEI has updated the Closure Plan in Appendix L that includes a section discussing the addition of GCL in the final cover system. Additionally, the compacted barrier layer section has been updated to remove fly ash and FGD filter cake as an option for a barrier layer material in the final cover system.

Comment 6: Section NR 504.09(2)I, Wis. Adm. Code: Provide a revised design that includes a minimum of two leachate head wells for each major phase of the landfill (Cells 12, 14, and 16).

Response to Comment 6: Section 5.5 in the Plan of Operation Modification has been updated to include two leachate headwells for each major phase of the landfill (Cell 12 and Cells 14/16). Additionally, the locations of the headwells are shown in Drawing PM-5, PM-9, and PM-10.

Comment 7: Section NR 504.12(3)(a), Wis. Adm. Code: Provide a revised liner design that includes a minimum 4-foot-thick layer of compacted clay. A GCL and soil barrier may be used in place of a clay layer.

Response to Comment 7: GEI has revised Section 5.2 and 5.2.2 in the Plan of Operation Modification to include a 4-foot-thick compacted clay liner. An additional base liner option of a GCL and 2-foot-thick soil barrier layer has also been included in the Plan of Operation Modification, which is found in Section 5.2 and 5.2.3. The two base liner options are detailed in Drawings PM-14and PM-15.

Comment 8: 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 ells are sufficiently near the waste boundary to detect potential landfill impacts.

Response to Comment 8: Response to be provided by Ramboll in a separate letter.

Comment 9: Section 507.15(3)(i) and NR 507.15(3)(k)(1), Wis. Adm. Code: 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 to Comment 9: Response to be provided by Ramboll in a separate letter.

Comment 10: 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 10: 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 11: Section NR 514.07(10)(c)6, Wis. Adm. Code: Provide a closure schedule that provides sufficient information to describe the sequential steps that will be taken to close the CCR landfill, including installation of the final cover system, and the estimated timeframes to complete each step or phase of CCR landfill closure.

Response to Comment 11: GEI has updated the Closure Plan in Appendix L to include a closure schedule that outlines the estimated closure dates for each phase of construction at the Caledonia Ash Landfill. Additionally, a preliminary closure schedule for Cell 2 was created and attached that describes the sequential steps that will be taken to close the CCR landfill, including installation of the final cover system, and timeframes to complete Cell 2 closure.

Comment 12: 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 and 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.

Response to Comment 12: A long-term care schedule has been added to the Post-Closure Plan in Appendix M that includes activities and frequencies specified in 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 13: Sections NR 520.07(2) and (3), Wis. Adm. Code: Provide updated cost estimates for closure and long-term care as needed to reflect above items.

Response to Comment 13: Closure and long-term care cost estimates are provided in the Closure Plan (Appendix L) and Post-Closure Plan (Appendix M), respectively.

Comment 14: Provide an explanation of seed mix for final cover and why the use of burning is proposed.

Response to Comment 14: Section 5.6.5 in the Plan of Operation Modification has been updated to include the seed mix used for the final cover, which is a WDOT Highway 20 seed mixture per Section 630 of the WDOT standard specifications, seeded at 3 pounds per 1000 square feet, or approximately 130 pounds per acre. Additionally, the seed mix will also take into consideration additional improvements to make the site an attractive habitat for native pollinators including the Karner Blue Butterfly and the Rusty Patched Bumble Bee. Lastly, 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 15: 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 15: 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.

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
B:\Working\WEC ENERGY GROUP\2203724 CCR Landfill Permitting\05_In_Progress\Response to WDNR Incompletness Determination\Caledonia\Caledonia Plan of Operation_Revision 2\Response Letter\L2203724_Caledonia Response Letter_10.6.23.docx

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 Caledonia Ash Landfill (CAL) Ash Landfill (License #3232)

December 12, 2023

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

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

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 26, 2023.

WDNR Comment:

8. **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 of the Environmental Sampling and Analysis Plan (ESAP) Addendum and an estimated effective porosity of 10 percent.

Based on hydraulic conductivities included in Section 2.1.1.3, the calculated gradient in May 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 3 $x10^{-4}$ ft/yr to 3 ft/yr in the dolomite.

The downgradient CCR wells (W08D, W09D, W10D, W49, and W50) 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

9. **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 four sampling events in January, March, April, and May 2023 were submitted with the July 31, 2023 GEMS submittal (enclosed for reference). Data from the remaining five sampling events in June, July, August, September, and November 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). Radium-226 and -228 combined was only analyzed for two sampling events for W49 and W50. We propose to analyze samples from future semiannual sampling events for these parameters until eight sampling events have been completed.

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

Sincerely,

Nathaniel R. Keller, PG
Senior Managing Hydrogeologist?

D +1 414 837 3630
M +1 262 424 6560
nate.keller@ramboll.com

Eric J. Tlachac, PE
Senior Managing Engineer

D +1 414 837 3541
M +1 262 719 4526
eric.tlachac@ramboll.com

Enclosures: July 31, 2023 GEMS Submittal
GEMS Submittal for June-November 2023 and 2015-2022 CCR Baseline Sampling Events

JULY 31, 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
Caledonia Landfill

July 31, 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.:	#03232
Facility ID. No. (FID):	FID 252108450
Facility Name:	Caledonia Ash Landfill
Sample Result Month:	January, March, April, May 2023
CD Filename:	Jan_Mar_Apr23-03232.csv May23-03232.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) 221-2249 to discuss the cause and significance of any exceedances, as well as the status of investigations and/or remediation at any of these sites.

On January 28, 2015, WDNR issued a plan of operation modification establishing alternate concentration limits for a number of monitoring wells in response to We Energies' request dated May 17, 2012. The January 28, 2015 approval summarizes the environmental monitoring requirements for the Caledonia Ash Landfill.

Enclosed with this data package are the Semi-annual GEMS parameters, the newly added CCR wells (W08D, W09D, W10D, W46D, W48, W49, and W50) and parameters (both included in the May23 file), and three additional rounds (January, March, and April of 2023) of baseline parameter sampling for the newly added CCR wells (JanApr23 file). The monitoring wells and concentrations listed on the attached Exceedance Report are consistent with data previously submitted for the Caledonia Ash Landfill, considering seasonal influences, except for 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 the *2022 Annual Report-Compliance Certification*, dated March 27, 2023 (2022 Annual Report). Results from the November 2022 monitoring event indicated a significant increase in concentrations of calcium, magnesium, and hardness at W10A, but the results from May 2023 indicate concentrations have declined, and are consistent with the historical range.

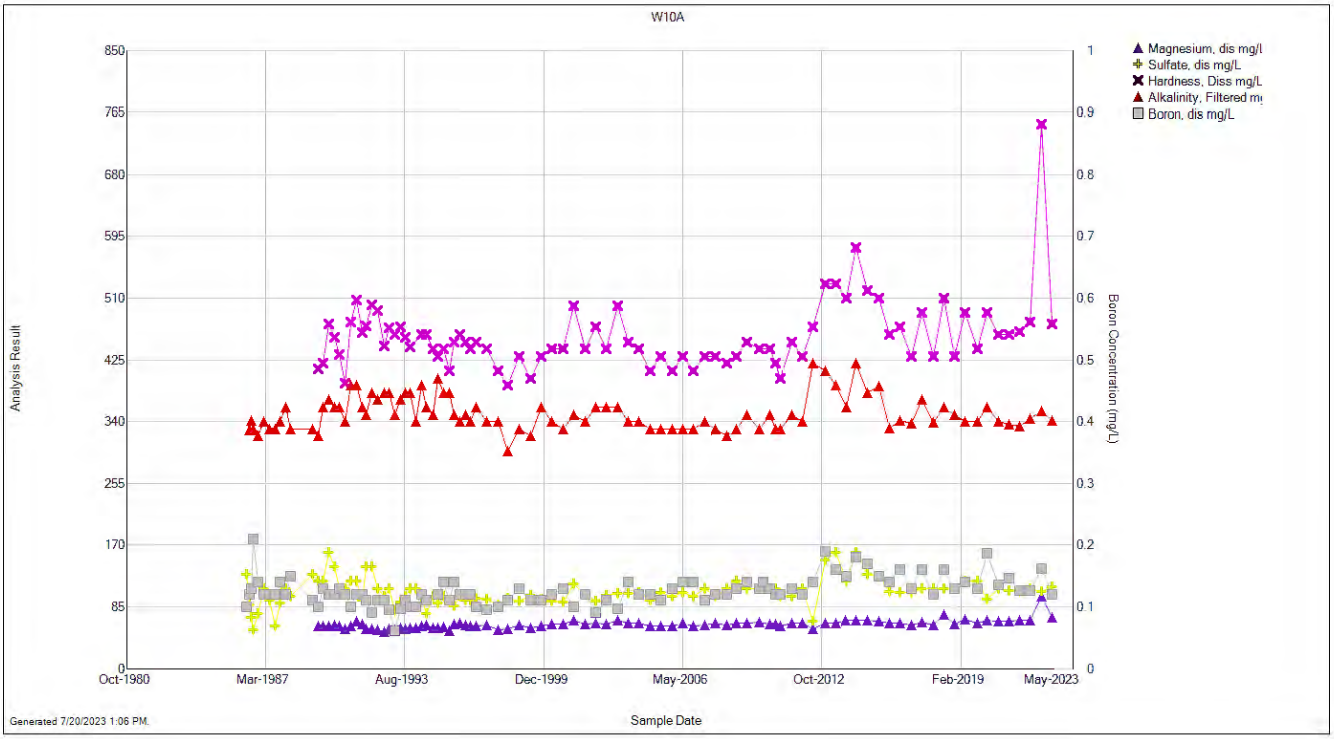


Figure 1. Concentrations of Calcium, Magnesium, Total Hardness, Total Alkalinity, Boron, and Sulfate at W10A.

Parameters with exceedances in the 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,

Nathaniel Keller, PG
Senior Hydrogeologist

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

cc: Mr. Mark Peters, WDNR
Mr. 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
Caledonia Ash Landfill

License # / Monitoring ID	Facility ID (FID)
# 03232	252108450

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)
Jan 31 23/Mar 7 23/Apr 5 23/May 9-10 2023	January, March, April, May 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

Signature

07/31/2023
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: _____

Caledonia
Limit Exceptions (List)

Date Range: 01/01/2023 to 06/01/2023

LimitType	Parameter	Code	Units	Location	Sample Date	Analysis Result	Lower Limit	Upper Limit
PAL	Boron, dissolved	01020	mg/L	W46C	05/08/2023	0.3380	0.0000	0.2000
	Boron, total	01022		W08D	05/09/2023	0.500	0.000	0.200
				W09D	05/09/2023	0.420	0.000	0.200
				W10D	05/09/2023	0.430	0.000	0.200
				W46D	05/09/2023	0.380	0.000	0.200
				W48	05/10/2023	0.380	0.000	0.200
				W49	05/10/2023	0.450	0.000	0.200
				W50	05/09/2023	0.550	0.000	0.200
	Calcium, dissolved	00915		W32A	05/09/2023	97.10	0.00	91.00
				W32BR	05/09/2023	141.00	0.00	130.00
	Fluoride, total	00951		W08D	05/09/2023	2.10 J	0.00	0.80
				W09D	05/09/2023	1.90 J	0.00	0.80
				W10D	05/09/2023	2.10 J	0.00	0.80
				W46D	05/09/2023	1.70 J	0.00	0.80
				W48	05/10/2023	1.10 J	0.00	0.80
				W49	05/10/2023	1.60 J	0.00	0.80
				W50	05/09/2023	1.70 J	0.00	0.80
	Hardness, Total, filtered	22413		W08A	05/08/2023	512.0	0.0	510.0
				W32A	05/09/2023	622.0	0.0	590.0
				W32BR	05/09/2023	758.0	0.0	680.0
	Magnesium, dissolved	00925		W32A	05/09/2023	92.10	0.00	82.00
				W32BR	05/09/2023	98.50	0.00	82.00
	Molybdenum, dissolved	01060	ug/L	W16AR	05/08/2023	20.50	0.00	8.00
				W46C	05/08/2023	76.70	0.00	8.00
	Sodium, dissolved	00930	mg/L	W08B	05/09/2023	26.2	0.0	18.0
				W08C	05/09/2023	51.9	0.0	23.0
				W32A	05/09/2023	26.8	0.0	26.0
	Sulfate, dissolved	00946		W16AR	05/08/2023	153.0	0.0	125.0
	Sulfate, total	00945		W08D	05/09/2023	196.0	0.0	125.0
	Total Alkalinity, Filtered	39036		W16AR	05/08/2023	431.0	0.0	420.0
				W32BR	05/09/2023	514.0	0.0	410.0
ES	Molybdenum, dissolved	01060	ug/L	W46C	05/08/2023	76.70	0.00	40.00
ACL	Sulfate, dissolved	00946	mg/L	W32A	05/09/2023	252.0	0.0	150.0

Caledonia
Limit Exceptions (List)

Date Range: 01/01/2023 to 06/01/2023

LimitType	Parameter	Code	Units	Location	Sample Date	Analysis Result	Lower Limit	Upper Limit
ACL	Sulfate, dissolved	00946	mg/L	W32BR	05/09/2023	224.0	0.0	190.0

03232	280	00010	230131	01	1	6.9		M	M	M	0.1	0.3333	0.3333	230101	230131	AE64773	TEMP	241329000
03232	280	00010	230307	01	1	8.4		M	M	M	0.1	0.3333	0.3333	230301	230307	AE65379	TEMP	241329000
03232	280	00010	230405	01	1	11		M	M	M	0.1	0.3333	0.3333	230401	230405	AE65844	TEMP	241329000
03232	280	00094	230131	01	1	919		M	M	M	0.	0.	0.	230101	230131	AE64773	FCOND25	241329000
03232	280	00094	230307	01	1	1167		M	M	M	0.	0.	0.	230301	230307	AE65379	FCOND25	241329000
03232	280	00094	230405	01	1	694		M	M	M	0.	0.	0.	230401	230405	AE65844	FCOND25	241329000
03232	280	00400	230131	01	1	7.5		M	M	M	0.1	0.1	0.1	230101	230131	AE64773	FieldPH	241329000
03232	280	00400	230307	01	1	8.3		M	M	M	0.1	0.1	0.1	230301	230307	AE65379	FieldPH	241329000
03232	280	00400	230405	01	1	7.5		M	M	M	0.1	0.1	0.1	230401	230405	AE65844	FieldPH	241329000
03232	280	00410	230131	01	1	152		M	M	M	20.	66.66	66.66	230101	230213	AE64773	Std Mtd 2320B	241329000
03232	280	00410	230307	01	1	151		M	M	M	20.	66.66	66.66	230301	230313	AE65379	Std Mtd 2320B	241329000
03232	280	00410	230405	01	1		N	M	M	M	20.	66.66	66.66	230401	230406	AE65844	Std Mtd 2320B	241329000
03232	280	00630	230131	01	1	0.22		M	M	M	0.011	0.036	0.036	230101	230131	AE64773	EPA 353.2	241329000
03232	280	00630	230307	01	1	0.17		M	M	M	0.011	0.036	0.036	230301	230315	AE65379	EPA 353.2	241329000
03232	280	00630	230405	01	1	2.5		M	M	M	0.011	0.036	0.036	230401	230406	AE65844	EPA 353.2	405132750
03232	280	00900	230131	01	1	210		M	M	M	1.	3.333	3.333	230101	230323	AE64773	Std Mtd 2340B	241329000
03232	280	00900	230307	01	1	237		M	M	M	0.32	1.7	1.7	230301	230314	AE65379	Std Mtd 2340B	405132750
03232	280	00900	230405	01	1	207		M	M	M	1.	5.4	5.4	230401	230411	AE65844	Std Mtd 2340B	405132750
03232	280	00916	230131	01	1	50.1		M	M	M	0.043	0.14	0.14	230101	230302	AE64773	EPA 200.7	241329000
03232	280	00916	230307	01	1	55.6		M	M	M	0.076	0.25	0.25	230301	230314	AE65379	EPA 200.8	405132750
03232	280	00916	230405	01	1	47.8		M	M	M	0.11	0.5	0.5	230401	230411	AE65844	EPA 200.7	405132750
03232	280	00927	230131	01	1	21.6		M	M	M	0.0071	0.024	0.024	230101	230302	AE64773	EPA 200.7	241329000
03232	280	00927	230307	01	1	23.8		M	M	M	0.031	0.25	0.25	230301	230314	AE65379	EPA 200.8	405132750
03232	280	00927	230405	01	1	21.1		M	M	M	0.18	1.	1.	230401	230411	AE65844	EPA 200.7	405132750
03232	280	01042	230131	01	1		N	M	M	M	0.92	3.1	3.1	230101	230302	AE64773	EPA 200.7	241329000
03232	280	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65379	EPA 200.8	405132750
03232	280	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65844	EPA 200.7	405132750
03232	280	01055	230131	01	1	148		M	M	M	0.11	0.38	0.38	230101	230302	AE64773	EPA 200.7	241329000
03232	280	01055	230307	01	1	170		M	M	M	1.2	4.	4.	230301	230314	AE65379	EPA 200.8	405132750
03232	280	01055	230405	01	1	150		M	M	M	1.5	5.	5.	230401	230411	AE65844	EPA 200.7	405132750
03232	280	01077	230131	01	1		N	M	M	M	1.2	4.	4.	230101	230302	AE64773	EPA 200.7	241329000
03232	280	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65379	EPA 200.8	405132750
03232	280	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65844	EPA 200.7	405132750
03232	280	01092	230131	01	1		N	M	M	M	1.8	6.	6.	230101	230302	AE64773	EPA 200.7	241329000
03232	280	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65379	EPA 200.8	405132750
03232	280	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65844	EPA 200.7	405132750
03232	280	04189	230131	01	1	654.87		M	M	M	0.	0.	0.	230101		AE64773	calculated	241329000
03232	280	04189	230307	01	1	656		M	M	M	0.	0.	0.	230301		AE65379	calculated	241329000
03232	280	04189	230405	01	1	657.5		M	M	M	0.	0.	0.	230401		AE65844	calculated	241329000
03232	280	72002	230131	01	1	43.84		M	M	M	0.05	0.1667	0.1667	230101	230131	AE64773	H2OD	241329000
03232	280	72002	230307	01	1	42.71		M	M	M	0.05	0.1667	0.1667	230301	230307	AE65379	H2OD	241329000
03232	280	72002	230405	01	1	41.21		M	M	M	0.05	0.1667	0.1667	230401	230405	AE65844	H2OD	241329000
03232	282	00010	230131	01	1	9.3		M	M	M	0.0002	0.0007	0.0007	230101	230131	AE64774	TEMP	241329000
03232	282	00010	230307	01	1	9.6		M	M	M	0.1	0.3333	0.3333	230301	230307	AE65380	TEMP	241329000
03232	282	00010	230405	01	1	11		M	M	M	0.1	0.3333	0.3333	230401	230405	AE65845	TEMP	241329000
03232	282	00094	230131	01	1	423		M	M	M	0.	0.	0.	230101	230131	AE64774	FCOND25	241329000
03232	282	00094	230307	01	1	644		M	M	M	0.	0.	0.	230301	230307	AE65380	FCOND25	241329000
03232	282	00094	230405	01	1	343		M	M	M	0.	0.	0.	230401	230405	AE65845	FCOND25	241329000
03232	282	00400	230131	01	1	8.1		M	M	M	0.1	0.1	0.1	230101	230131	AE64774	FieldPH	241329000
03232	282	00400	230307	01	1	8.8		M	M	M	0.1	0.1	0.1	230301	230307	AE65380	FieldPH	241329000
03232	282	00400	230405	01	1	8		M	M	M	0.1	0.1	0.1	230401	230405	AE65845	FieldPH	241329000
03232	282	00410	230131	01	1	142		M	M	M	20.	66.66	66.66	230101	230213	AE64774	Std Mtd 2320B	241329000
03232	282	00410	230307	01	1	142		M	M	M	20.	66.66	66.66	230301	230313	AE65380	Std Mtd 2320B	241329000
03232	282	00410	230405	01	1		N	M	M	M	20.	66.66	66.66	230401	230406	AE65845	Std Mtd 2320B	241329000
03232	282	00630	230131	01	1		N	M	M	M	0.011	0.036	0.036	230101	230131	AE64774	EPA 353.2	241329000
03232	282	00630	230307	01	1		N	M	M	M	0.003	0.009	0.009	230301	230314	AE65380	EPA 300.0	241329000
03232	282	00630	230405	01	1	2.9		M	M	M	0.011	0.036	0.036	230401	230406	AE65845	EPA 353.2	405132750
03232	282	00900	230131	01	1	91		M	M	M	1.	3.333	3.333	230101	230323	AE64774	Std Mtd 2340B	241329000
03232	282	00900	230307	01	1	106		M	M	M	0.32	1.7	1.7	230301	230314	AE65380	Std Mtd 2340B	405132750
03232	282	00900	230405	01	1	92.1		M	M	M	1.	5.4	5.4	230401	230411	AE65845	Std Mtd 2340B	405132750
03232	282	00916	230131	01	1	19		M	M	M	0.043	0.14	0.14	230101	230302	AE64774	EPA 200.7	241329000
03232	282	00916	230307	01	1	25		M	M	M	0.076	0.25	0.25	230301	230314	AE65380	EPA 200.8	405132750
03232	282	00916	230405	01	1	19.2		M	M	M	0.11	0.5	0.5	230401	230411	AE65845	EPA 200.7	405132750
03232	282	00927	230131	01	1	10.6		M	M	M	0.0071	0.024	0.024	230101	230302	AE64774	EPA 200.7	241329000
03232	282	00927	230307	01	1	10.5		M	M	M	0.031	0.25	0.25	230301	230314	AE65380	EPA 200.8	405132750
03232	282	00927	230405	01	1	10.7		M	M	M	0.18	1.	1.	230401	230411	AE65845	EPA 200.7	405132750
03232	282	01042	230131	01	1		N	M	M	M	0.92	3.1	3.1	230101	230302	AE64774	EPA 200.7	241329000
03232	282	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65380	EPA 200.8	405132750
03232	282	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65845	EPA 200.7	405132750
03232	282	01055	230131	01	1	7.53		M	M	M	0.11	0.38	0.38	230101	230302	AE64774	EPA 200.7	241329000
03232	282	01055	230307	01	1	6.9		M	M	M	1.2	4.	4.	230301	230314	AE65380	EPA 200.8	405132750
03232	282	01055	230405	01	1	7.9		M	M	M	1.5	5.	5.	230401	230411	AE65845	EPA 200.7	405132750
03232	282	01077	230131	01	1		N	M	M	M	1.2	4.	4.	230101	230302	AE64774	EPA 200.7	241329000

03232	282	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65380	EPA 200.8	405132750
03232	282	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65845	EPA 200.7	405132750
03232	282	01092	230131	01	1		N	M	M	M	1.8	6.	6.	230101	230302	AE64774	EPA 200.7	241329000
03232	282	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65380	EPA 200.8	405132750
03232	282	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65845	EPA 200.7	405132750
03232	282	04189	230131	01	1	654.37		M	M	M	0.	0.	0.	230101		AE64774	calculated	241329000
03232	282	04189	230307	01	1	655.5		M	M	M	0.	0.	0.	230301		AE65380	calculated	241329000
03232	282	04189	230405	01	1	657.03		M	M	M	0.	0.	0.	230401		AE65845	calculated	241329000
03232	282	72002	230131	01	1	53.5		M	M	M	0.05	0.1667	0.1667	230101	230131	AE64774	H2OD	241329000
03232	282	72002	230307	01	1	52.37		M	M	M	0.05	0.1667	0.1667	230301	230307	AE65380	H2OD	241329000
03232	282	72002	230405	01	1	50.84		M	M	M	0.05	0.1667	0.1667	230401	230405	AE65845	H2OD	241329000
03232	284	00010	230131	01	1	8.8		M	M	M	0.1	0.3333	0.3333	230101	230131	AE64775	TEMP	241329000
03232	284	00010	230307	01	1	9.9		M	M	M	0.1	0.3333	0.3333	230301	230307	AE65381	TEMP	241329000
03232	284	00010	230405	01	1	11		M	M	M	0.1	0.3333	0.3333	230401	230405	AE65846	TEMP	241329000
03232	284	00094	230131	01	1	438		M	M	M	0.	0.	0.	230101	230131	AE64775	FCOND25	241329000
03232	284	00094	230307	01	1	658		M	M	M	0.	0.	0.	230301	230307	AE65381	FCOND25	241329000
03232	284	00094	230405	01	1	351		M	M	M	0.	0.	0.	230401	230405	AE65846	FCOND25	241329000
03232	284	00400	230131	01	1	7.9		M	M	M	0.1	0.1	0.1	230101	230131	AE64775	FieldPH	241329000
03232	284	00400	230307	01	1	8.7		M	M	M	0.1	0.1	0.1	230301	230307	AE65381	FieldPH	241329000
03232	284	00400	230405	01	1	7.9		M	M	M	0.1	0.1	0.1	230401	230405	AE65846	FieldPH	241329000
03232	284	00410	230131	01	1	132		M	M	M	20.	66.66	66.66	230101	230213	AE64775	Std Mtd 2320B	241329000
03232	284	00410	230307	01	1	133		M	M	M	20.	66.66	66.66	230301	230313	AE65381	Std Mtd 2320B	241329000
03232	284	00410	230405	01	1		N	M	M	M	20.	66.66	66.66	230401	230406	AE65846	Std Mtd 2320B	241329000
03232	284	00630	230131	01	1	0.064		M	M	M	0.011	0.036	0.036	230101	230131	AE64775	EPA 353.2	241329000
03232	284	00630	230307	01	1		N	M	M	M	0.003	0.009	0.009	230301	230314	AE65381	EPA 300.0	241329000
03232	284	00630	230405	01	1	2.2		M	M	M	0.011	0.036	0.036	230401	230406	AE65846	EPA 353.2	405132750
03232	284	00900	230131	01	1	87		M	M	M	1.	3.333	3.333	230101	230323	AE64775	Std Mtd 2340B	241329000
03232	284	00900	230307	01	1	99		M	M	M	3.2	17.	17.	230301	230313	AE65381	Std Mtd 2340B	405132750
03232	284	00900	230405	01	1	86.1		M	M	M	1.	5.4	5.4	230401	230411	AE65846	Std Mtd 2340B	405132750
03232	284	00916	230131	01	1	21.4		M	M	M	0.043	0.14	0.14	230101	230302	AE64775	EPA 200.7	241329000
03232	284	00916	230307	01	1	25		M	M	M	0.76	2.5	2.5	230301	230313	AE65381	EPA 200.8	405132750
03232	284	00916	230405	01	1	21.2		M	M	M	0.11	0.5	0.5	230401	230411	AE65846	EPA 200.7	405132750
03232	284	00927	230131	01	1	8.22		M	M	M	0.0071	0.024	0.024	230101	230302	AE64775	EPA 200.7	241329000
03232	284	00927	230307	01	1	8.9		M	M	M	0.31	2.5	2.5	230301	230313	AE65381	EPA 200.8	405132750
03232	284	00927	230405	01	1	8.1		M	M	M	0.18	1.	1.	230401	230411	AE65846	EPA 200.7	405132750
03232	284	01042	230131	01	1		N	M	M	M	0.92	3.1	3.1	230101	230302	AE64775	EPA 200.7	241329000
03232	284	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65381	EPA 200.8	405132750
03232	284	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65846	EPA 200.7	405132750
03232	284	01055	230131	01	1	18.9		M	M	M	0.11	0.38	0.38	230101	230302	AE64775	EPA 200.7	241329000
03232	284	01055	230307	01	1	20		M	M	M	1.2	4.	4.	230301	230314	AE65381	EPA 200.8	405132750
03232	284	01055	230405	01	1	21		M	M	M	1.5	5.	5.	230401	230411	AE65846	EPA 200.7	405132750
03232	284	01077	230131	01	1		N	M	M	M	1.2	4.	4.	230101	230302	AE64775	EPA 200.7	241329000
03232	284	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65381	EPA 200.8	405132750
03232	284	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65846	EPA 200.7	405132750
03232	284	01092	230131	01	1		N	M	M	M	1.8	6.	6.	230101	230302	AE64775	EPA 200.7	241329000
03232	284	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65381	EPA 200.8	405132750
03232	284	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65846	EPA 200.7	405132750
03232	284	04189	230131	01	1	653.71		M	M	M	0.	0.	0.	230101		AE64775	calculated	241329000
03232	284	04189	230307	01	1	654.84		M	M	M	0.	0.	0.	230301		AE65381	calculated	241329000
03232	284	04189	230405	01	1	656.39		M	M	M	0.	0.	0.	230401		AE65846	calculated	241329000
03232	284	72002	230131	01	1	49.96		M	M	M	0.05	0.1667	0.1667	230101	230131	AE64775	H2OD	241329000
03232	284	72002	230307	01	1	48.83		M	M	M	0.05	0.1667	0.1667	230301	230307	AE65381	H2OD	241329000
03232	284	72002	230405	01	1	47.28		M	M	M	0.05	0.1667	0.1667	230401	230405	AE65846	H2OD	241329000
03232	286	00010	230131	01	1	8.6		M	M	M	0.1	0.3333	0.3333	230101	230131	AE64776	TEMP	241329000
03232	286	00010	230307	01	1	11		M	M	M	0.1	0.3333	0.3333	230301	230307	AE65382	TEMP	241329000
03232	286	00010	230405	01	1	11		M	M	M	0.1	0.3333	0.3333	230401	230405	AE65847	TEMP	241329000
03232	286	00094	230131	01	1	477		M	M	M	0.	0.	0.	230101	230131	AE64776	FCOND25	241329000
03232	286	00094	230307	01	1	727		M	M	M	0.	0.	0.	230301	230307	AE65382	FCOND25	241329000
03232	286	00094	230405	01	1	383		M	M	M	0.	0.	0.	230401	230405	AE65847	FCOND25	241329000
03232	286	00400	230131	01	1	7.5		M	M	M	0.1	0.1	0.1	230101	230131	AE64776	FieldPH	241329000
03232	286	00400	230307	01	1	8.1		M	M	M	0.1	0.1	0.1	230301	230307	AE65382	FieldPH	241329000
03232	286	00400	230405	01	1	7.4		M	M	M	0.1	0.1	0.1	230401	230405	AE65847	FieldPH	241329000
03232	286	00410	230131	01	1	155		M	M	M	20.	66.66	66.66	230101	230213	AE64776	Std Mtd 2320B	241329000
03232	286	00410	230307	01	1	162		M	M	M	20.	66.66	66.66	230301	230313	AE65382	Std Mtd 2320B	241329000
03232	286	00410	230405	01	1	20		M	M	M	20.	66.66	66.66	230401	230406	AE65847	Std Mtd 2320B	241329000
03232	286	00630	230131	01	1	0.039		M	M	M	0.011	0.036	0.036	230101	230131	AE64776	EPA 353.2	241329000
03232	286	00630	230307	01	1		N	M	M	M	0.003	0.009	0.009	230301	230314	AE65382	EPA 300.0	241329000
03232	286	00630	230405	01	1	3.2		M	M	M	0.011	0.036	0.036	230401	230406	AE65847	EPA 353.2	405132750
03232	286	00900	230131	01	1	130		M	M	M	1.	3.333	3.333	230101	230323	AE64776	Std Mtd 2340B	241329000
03232	286	00900	230307	01	1	146		M	M	M	0.32	1.7	1.7	230301	230314	AE65382	Std Mtd 2340B	405132750
03232	286	00900	230405	01	1	126		M	M	M	1.	5.4	5.4	230401	230411	AE65847	Std Mtd 2340B	405132750
03232	286	00916	230131	01	1	26.3		M	M	M	0.043	0.14	0.14	230101	230302	AE64776	EPA 200.7	241329000
03232	286	00916	230307	01	1	30.8		M	M	M	0.076	0.25	0.25	230301	230314	AE65382	EPA 200.8	405132750

03232	286	00916	230405	01	1	25.8		M	M	M	0.11	0.5	0.5	230401	230411	AE65847	EPA 200.7	405132750
03232	286	00927	230131	01	1	15.1		M	M	M	0.0071	0.024	0.024	230101	230302	AE64776	EPA 200.7	241329000
03232	286	00927	230307	01	1	16.7		M	M	M	0.031	0.25	0.25	230301	230314	AE65382	EPA 200.8	405132750
03232	286	00927	230405	01	1	15		M	M	M	0.18	1.	1.	230401	230411	AE65847	EPA 200.7	405132750
03232	286	01042	230131	01	1		N	M	M	M	0.92	3.1	3.1	230101	230302	AE64776	EPA 200.7	241329000
03232	286	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65382	EPA 200.8	405132750
03232	286	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65847	EPA 200.7	405132750
03232	286	01055	230131	01	1	43.5		M	M	M	0.11	0.38	0.38	230101	230302	AE64776	EPA 200.7	241329000
03232	286	01055	230307	01	1	47		M	M	M	1.2	4.	4.	230301	230314	AE65382	EPA 200.8	405132750
03232	286	01055	230405	01	1	43		M	M	M	1.5	5.	5.	230401	230411	AE65847	EPA 200.7	405132750
03232	286	01077	230131	01	1		N	M	M	M	1.2	4.	4.	230101	230302	AE64776	EPA 200.7	241329000
03232	286	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65382	EPA 200.8	405132750
03232	286	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65847	EPA 200.7	405132750
03232	286	01092	230131	01	1		N	M	M	M	1.8	6.	6.	230101	230302	AE64776	EPA 200.7	241329000
03232	286	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65382	EPA 200.8	405132750
03232	286	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65847	EPA 200.7	405132750
03232	286	04189	230131	01	1	655.32		M	M	M	0.	0.	0.	230101		AE64776	calculated	241329000
03232	286	04189	230307	01	1	656.59		M	M	M	0.	0.	0.	230301		AE65382	calculated	241329000
03232	286	04189	230405	01	1	658.07		M	M	M	0.	0.	0.	230401		AE65847	calculated	241329000
03232	286	72002	230131	01	1	46.5		M	M	M	0.05	0.1667	0.1667	230101	230131	AE64776	H2OD	241329000
03232	286	72002	230307	01	1	45.23		M	M	M	0.05	0.1667	0.1667	230301	230307	AE65382	H2OD	241329000
03232	286	72002	230405	01	1	43.75		M	M	M	0.05	0.1667	0.1667	230401	230405	AE65847	H2OD	241329000
03232	288	00010	230131	01	1	9.5		M	M	M	0.1	0.3333	0.3333	230101	230131	AE64777	TEMP	241329000
03232	288	00010	230307	01	1	10		M	M	M	0.1	0.3333	0.3333	230301	230307	AE65383	TEMP	241329000
03232	288	00010	230405	01	1	11		M	M	M	0.1	0.3333	0.3333	230401	230405	AE65848	TEMP	241329000
03232	288	00094	230131	01	1	524		M	M	M	0.	0.	0.	230101	230131	AE64777	FCOND25	241329000
03232	288	00094	230307	01	1	768		M	M	M	0.	0.	0.	230301	230307	AE65383	FCOND25	241329000
03232	288	00094	230405	01	1	422		M	M	M	0.	0.	0.	230401	230405	AE65848	FCOND25	241329000
03232	288	00400	230131	01	1	7.9		M	M	M	0.1	0.1	0.1	230101	230131	AE64777	FieldPH	241329000
03232	288	00400	230307	01	1	8.7		M	M	M	0.1	0.1	0.1	230301	230307	AE65383	FieldPH	241329000
03232	288	00400	230405	01	1	7.9		M	M	M	0.1	0.1	0.1	230401	230405	AE65848	FieldPH	241329000
03232	288	00410	230131	01	1	231		M	M	M	20.	66.66	66.66	230101	230213	AE64777	Std Mtd 2320B	241329000
03232	288	00410	230307	01	1	229		M	M	M	20.	66.66	66.66	230301	230313	AE65383	Std Mtd 2320B	241329000
03232	288	00410	230405	01	1	29		M	M	M	20.	66.66	66.66	230401	230406	AE65848	Std Mtd 2320B	241329000
03232	288	00630	230131	01	1	0.025	J	M	M	M	0.011	0.036	0.036	230101	230131	AE64777	EPA 353.2	241329000
03232	288	00630	230307	01	1		N	M	M	M	0.003	0.009	0.009	230301	230314	AE65383	EPA 300.0	241329000
03232	288	00630	230405	01	1	4.4		M	M	M	0.011	0.036	0.036	230401	230406	AE65848	EPA 353.2	405132750
03232	288	00900	230131	01	1	140		M	M	M	1.	3.333	3.333	230101	230323	AE64777	Std Mtd 2340B	241329000
03232	288	00900	230307	01	1	161		M	M	M	0.32	1.7	1.7	230301	230314	AE65383	Std Mtd 2340B	405132750
03232	288	00900	230405	01	1	133		M	M	M	1.	5.4	5.4	230401	230411	AE65848	Std Mtd 2340B	405132750
03232	288	00916	230131	01	1	26.8		M	M	M	0.043	0.14	0.14	230101	230302	AE64777	EPA 200.7	241329000
03232	288	00916	230307	01	1	35		M	M	M	0.076	0.25	0.25	230301	230314	AE65383	EPA 200.8	405132750
03232	288	00916	230405	01	1	25.9		M	M	M	0.11	0.5	0.5	230401	230411	AE65848	EPA 200.7	405132750
03232	288	00927	230131	01	1	17.1		M	M	M	0.0071	0.024	0.024	230101	230302	AE64777	EPA 200.7	241329000
03232	288	00927	230307	01	1	17.9		M	M	M	0.031	0.25	0.25	230301	230314	AE65383	EPA 200.8	405132750
03232	288	00927	230405	01	1	16.6		M	M	M	0.18	1.	1.	230401	230411	AE65848	EPA 200.7	405132750
03232	288	01042	230131	01	1		N	M	M	M	0.92	3.1	3.1	230101	230302	AE64777	EPA 200.7	241329000
03232	288	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65383	EPA 200.8	405132750
03232	288	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65848	EPA 200.7	405132750
03232	288	01055	230131	01	1	12.2		M	M	M	0.11	0.38	0.38	230101	230302	AE64777	EPA 200.7	241329000
03232	288	01055	230307	01	1	12		M	M	M	1.2	4.	4.	230301	230314	AE65383	EPA 200.8	405132750
03232	288	01055	230405	01	1	13		M	M	M	0.15	5.	5.	230401	230411	AE65848	EPA 200.7	405132750
03232	288	01077	230131	01	1		N	M	M	M	1.2	4.	4.	230101	230302	AE64777	EPA 200.7	241329000
03232	288	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65383	EPA 200.8	405132750
03232	288	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65848	EPA 200.7	405132750
03232	288	01092	230131	01	1		N	M	M	M	1.8	6.	6.	230101	230302	AE64777	EPA 200.7	241329000
03232	288	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65383	EPA 200.8	405132750
03232	288	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65848	EPA 200.7	405132750
03232	288	04189	230131	01	1	656.62		M	M	M	0.	0.	0.	230101		AE64777	calculated	241329000
03232	288	04189	230307	01	1	657.85		M	M	M	0.	0.	0.	230301		AE65383	calculated	241329000
03232	288	04189	230405	01	1	659.26		M	M	M	0.	0.	0.	230401		AE65848	calculated	241329000
03232	288	72002	230131	01	1	59.74		M	M	M	0.05	0.1667	0.1667	230101	230131	AE64777	H2OD	241329000
03232	288	72002	230307	01	1	58.51		M	M	M	0.05	0.1667	0.1667	230301	230307	AE65383	H2OD	241329000
03232	288	72002	230405	01	1	57.1		M	M	M	0.05	0.1667	0.1667	230401	230405	AE65848	H2OD	241329000
03232	290	00010	230131	01	1	5.8		M	M	M	0.1	0.3333	0.3333	230101	230131	AE64778	TEMP	241329000
03232	290	00010	230307	01	1	10		M	M	M	0.1	0.3333	0.3333	230301	230307	AE65384	TEMP	241329000
03232	290	00010	230405	01	1	13		M	M	M	0.1	0.3333	0.3333	230401	230405	AE65849	TEMP	241329000
03232	290	00094	230131	01	1	434		M	M	M	0.	0.	0.	230101	230131	AE64778	FCOND25	241329000
03232	290	00094	230307	01	1	644		M	M	M	0.	0.	0.	230301	230307	AE65384	FCOND25	241329000
03232	290	00094	230405	01	1	349		M	M	M	0.	0.	0.	230401	230405	AE65849	FCOND25	241329000
03232	290	00400	230131	01	1	8.3		M	M	M	0.1	0.1	0.1	230101	230131	AE64778	FieldPH	241329000
03232	290	00400	230307	01	1	8.6		M	M	M	0.1	0.1	0.1	230301	230307	AE65384	FieldPH	241329000
03232	290	00400	230405	01	1	7.8		M	M	M	0.1	0.1	0.1	230401	230405	AE65849	FieldPH	241329000

03232	290	00410	230131	01	1	119		M	M	M	20.	66.66	66.66	230101	230213	AE64778	Std Mtd 2320B	241329000
03232	290	00410	230131	02	1	118		M	M	M	20.	66.66	66.66	230101	230213	AE64780	Std Mtd 2320B	241329000
03232	290	00410	230307	01	1	123		M	M	M	20.	66.66	66.66	230301	230313	AE65384	Std Mtd 2320B	241329000
03232	290	00410	230405	01	1		N	M	M	M	20.	66.66	66.66	230401	230406	AE65849	Std Mtd 2320B	241329000
03232	290	00410	230405	02	1		N	M	M	M	20.	66.66	66.66	230401	230406	AE65851	Std Mtd 2320B	241329000
03232	290	00630	230131	01	1	0.066		M	M	M	0.011	0.036	0.036	230101	230131	AE64778	EPA 353.2	241329000
03232	290	00630	230131	02	1	0.06		M	M	M	0.011	0.036	0.036	230101	230208	AE64780	EPA 353.2	241329000
03232	290	00630	230307	01	1	0.095		M	M	M	0.011	0.036	0.036	230301	230314	AE65384	EPA 353.2	241329000
03232	290	00630	230405	01	1	2.7		M	M	M	0.011	0.036	0.036	230401	230406	AE65849	EPA 353.2	405132750
03232	290	00630	230405	02	1	2.7		M	M	M	0.011	0.036	0.036	230401	230406	AE65851	EPA 353.2	405132750
03232	290	00900	230131	01	1	69		M	M	M	1.	3.333	3.333	230101	230329	AE64778	Std Mtd 2340B	241329000
03232	290	00900	230131	02	1	68		M	M	M	1.	3.333	3.333	230101	230329	AE64780	Std Mtd 2340B	241329000
03232	290	00900	230307	01	1	83.8		M	M	M	0.32	1.7	1.7	230301	230314	AE65384	Std Mtd 2340B	405132750
03232	290	00900	230405	01	1	67.3		M	M	M	1.	5.4	5.4	230401	230411	AE65849	Std Mtd 2340B	405132750
03232	290	00900	230405	02	1	68.7		M	M	M	1.	5.4	5.4	230401	230411	AE65851	Std Mtd 2340B	405132750
03232	290	00916	230131	01	1	16.2		M	M	M	0.0124	0.0414	0.0414	230101	230323	AE64778	EPA 200.7	241329000
03232	290	00916	230131	02	1	16.1		M	M	M	0.0124	0.0414	0.0414	230101	230323	AE64780	EPA 200.7	241329000
03232	290	00916	230307	01	1	21.1		M	M	M	0.076	0.25	0.25	230301	230314	AE65384	EPA 200.8	405132750
03232	290	00916	230405	01	1	16		M	M	M	0.11	0.5	0.5	230401	230411	AE65849	EPA 200.7	405132750
03232	290	00916	230405	02	1	16.4		M	M	M	0.11	0.5	0.5	230401	230411	AE65851	EPA 200.7	405132750
03232	290	00927	230131	01	1	6.9		M	M	M	0.0071	0.024	0.024	230101	230323	AE64778	EPA 200.7	241329000
03232	290	00927	230131	02	1	6.87		M	M	M	0.0071	0.024	0.024	230101	230323	AE64780	EPA 200.7	241329000
03232	290	00927	230307	01	1	7.6		M	M	M	0.031	0.25	0.25	230301	230314	AE65384	EPA 200.8	405132750
03232	290	00927	230405	01	1	6.6		M	M	M	0.18	1.	1.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	00927	230405	02	1	6.8		M	M	M	0.18	1.	1.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01002	230131	01	1	1.02		M	M	M	0.046	0.15	0.15	230101	230320	AE64778	EPA 200.8	241329000
03232	290	01002	230131	02	1	0.99		M	M	M	0.046	0.15	0.15	230101	230320	AE64780	EPA 200.8	241329000
03232	290	01002	230307	01	1	0.43	J	M	M	M	0.28	1.	1.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01002	230405	01	1	0.59	J	M	M	M	0.28	1.	1.	230401	230414	AE65849	EPA 200.8	405132750
03232	290	01002	230405	02	1	0.53	J	M	M	M	0.28	1.	1.	230401	230414	AE65851	EPA 200.8	405132750
03232	290	01007	230131	01	1	20.2		M	M	M	0.4	1.2	1.2	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01007	230131	02	1	20.1		M	M	M	0.4	1.2	1.2	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01007	230307	01	1	19		M	M	M	0.7	2.3	2.3	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01007	230405	01	1	20		M	M	M	1.5	5.	5.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01007	230405	02	1	20		M	M	M	1.5	5.	5.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01012	230131	01	1		N	M	M	M	0.3	0.9	0.9	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01012	230131	02	1		N	M	M	M	0.3	0.9	0.9	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01012	230307	01	1		N	M	M	M	0.25	1.	1.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01012	230405	01	1		N	M	M	M	0.53	4.	4.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01012	230405	02	1		N	M	M	M	0.53	4.	4.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01027	230131	01	1		N	M	M	M	0.8	2.5	2.5	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01027	230131	02	1		N	M	M	M	0.8	2.5	2.5	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01027	230307	01	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01027	230405	01	1		N	M	M	M	1.3	5.	5.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01027	230405	02	1		N	M	M	M	1.3	5.	5.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01034	230131	01	1		N	M	M	M	1.3	4.3	4.3	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01034	230131	02	1		N	M	M	M	1.3	4.3	4.3	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01034	230307	01	1		N	M	M	M	1.	3.4	3.4	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01034	230405	01	1		N	M	M	M	2.5	10.	10.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01034	230405	02	1		N	M	M	M	2.5	10.	10.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01037	230131	01	1		N	M	M	M	1.9	6.4	6.4	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01037	230131	02	1		N	M	M	M	1.9	6.4	6.4	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01037	230307	01	1	0.18	J	M	M	M	0.12	1.	1.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01037	230405	01	1		N	M	M	M	1.4	5.	5.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01037	230405	02	1		N	M	M	M	1.4	5.	5.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01042	230131	01	1		N	M	M	M	1.6	5.2	5.2	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01042	230131	02	1		N	M	M	M	1.6	5.2	5.2	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01042	230405	02	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01051	230131	01	1	0.052		M	M	M	0.0072	0.024	0.024	230101	230320	AE64778	EPA 200.8	241329000
03232	290	01051	230131	02	1	0.086		M	M	M	0.0072	0.024	0.024	230101	230320	AE64780	EPA 200.8	241329000
03232	290	01051	230307	01	1		N	M	M	M	0.24	1.	1.	230301	230314	AE65384	EPA 200.8	241329000
03232	290	01051	230405	01	1		N	M	M	M	0.24	0.7999	0.7999	230401	230414	AE65849	EPA 200.8	405132750
03232	290	01051	230405	02	1		N	M	M	M	0.24	1.	1.	230401	230414	AE65851	EPA 200.8	405132750
03232	290	01055	230131	01	1	20		M	M	M	0.2	0.7	0.7	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01055	230131	02	1	19.9		M	M	M	0.2	0.7	0.7	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01055	230307	01	1	27		M	M	M	1.2	4.	4.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01055	230405	01	1	26		M	M	M	1.5	5.	5.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01055	230405	02	1	26		M	M	M	1.5	5.	5.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01059	230131	01	1	0.032	J	M	M	M	0.023	0.077	0.077	230101	230320	AE64778	EPA 200.8	241329000
03232	290	01059	230131	02	1		N	M	M	M	0.023	0.077	0.077	230101	230320	AE64780	EPA 200.8	241329000
03232	290	01059	230307	01	1		N	M	M	M	0.14	1.	1.	230301	230314	AE65384	EPA 200.8	405132750

03232	290	01059	230405	01	1		N	M	M	M	0.14	1.	1.	230401	230414	AE65849	EPA 200.8	405132750
03232	290	01059	230405	02	1		N	M	M	M	0.14	1.	1.	230401	230414	AE65851	EPA 200.8	405132750
03232	290	01062	230131	01	1	48.7		M	M	M	2.7	9.2	9.2	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01062	230131	02	1	44.5		M	M	M	2.7	9.2	9.2	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01062	230307	01	1	42		M	M	M	0.44	1.5	1.5	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01062	230405	01	1	44		M	M	M	2.4	10.	10.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01062	230405	02	1	45		M	M	M	2.4	10.	10.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01077	230131	01	1		N	M	M	M	2.9	9.6	9.6	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01077	230131	02	1		N	M	M	M	2.9	9.6	9.6	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01077	230405	02	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01092	230131	01	1		N	M	M	M	1.4	4.7	4.7	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01092	230131	02	1	3.66	J	M	M	M	1.4	4.7	4.7	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65849	EPA 200.7	405132750
03232	290	01092	230405	02	1		N	M	M	M	12.	40.	40.	230401	230411	AE65851	EPA 200.7	405132750
03232	290	01097	230131	01	1		N	M	M	M	0.019	0.063	0.063	230101	230320	AE64778	EPA 200.8	241329000
03232	290	01097	230131	02	1	0.028	J	M	M	M	0.019	0.063	0.063	230101	230320	AE64780	EPA 200.8	241329000
03232	290	01097	230307	01	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01097	230405	01	1		N	M	M	M	0.15	1.	1.	230401	230414	AE65849	EPA 200.8	405132750
03232	290	01097	230405	02	1		N	M	M	M	0.15	1.	1.	230401	230414	AE65851	EPA 200.8	405132750
03232	290	01132	230131	01	1	4.85		M	M	M	0.12	0.39	0.39	230101	230323	AE64778	EPA 200.7	241329000
03232	290	01132	230131	02	1	4.47		M	M	M	0.12	0.39	0.39	230101	230323	AE64780	EPA 200.7	241329000
03232	290	01132	230307	01	1	3.1		M	M	M	0.22	1.	1.	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01132	230405	01	1	2.5		M	M	M	0.22	1.	1.	230401	230414	AE65849	EPA 200.7	405132750
03232	290	01132	230405	02	1	2.5		M	M	M	0.22	1.	1.	230401	230414	AE65851	EPA 200.7	405132750
03232	290	01147	230131	01	1	0.62	J	M	M	M	1.6	5.3	5.3	230101	230320	AE64778	EPA 200.8	241329000
03232	290	01147	230131	02	1	0.64	J	M	M	M	1.6	5.3	5.3	230101	230320	AE64780	EPA 200.8	241329000
03232	290	01147	230307	01	1		N	M	M	M	0.32	1.1	1.1	230301	230314	AE65384	EPA 200.8	405132750
03232	290	01147	230405	01	1		N	M	M	M	0.32	1.1	1.1	230401	230414	AE65849	EPA 200.8	405132750
03232	290	01147	230405	02	1		N	M	M	M	0.32	1.1	1.1	230401	230414	AE65851	EPA 200.8	405132750
03232	290	04189	230131	01	1	654.68		M	M	M	0.	0.	0.	230101		AE64778	calculated	241329000
03232	290	04189	230307	01	1	655.79		M	M	M	0.	0.	0.	230301		AE65384	calculated	241329000
03232	290	04189	230405	01	1	656.74		M	M	M	0.	0.	0.	230401		AE65849	calculated	241329000
03232	290	71890	230405	01	1		N	M	M	M	0.0012	0.004	0.004	230401	230411	AE65849	EPA 245.7	241329000
03232	290	71890	230405	02	1		N	M	M	M	0.0012	0.004	0.004	230401	230411	AE65851	EPA 245.7	241329000
03232	290	71900	230131	01	1		N	M	M	M	0.0002	0.0006	0.0006	230101	230207	AE64778	EPA 1631E	241329000
03232	290	71900	230131	02	1	0.00041	J	M	M	M	0.0002	0.0006	0.0006	230101	230207	AE64780	EPA 1631E	241329000
03232	290	71900	230307	01	1	0.00026	J	M	M	M	0.0002	0.0006	0.0006	230301	230314	AE65384	EPA 1631E	241329000
03232	290	72002	230131	01	1	63.36		M	M	M	0.05	0.1667	0.1667	230101	230131	AE64778	H2OD	241329000
03232	290	72002	230307	01	1	62.25		M	M	M	0.05	0.1667	0.1667	230301	230307	AE65384	H2OD	241329000
03232	290	72002	230405	01	1	61.3		M	M	M	0.05	0.1667	0.1667	230401	230405	AE65849	H2OD	241329000
03232	292	00010	230131	01	1	4.5		M	M	M	0.1	0.3333	0.3333	230101	230131	AE64779	TEMP	241329000
03232	292	00010	230307	01	1	9.3		M	M	M	0.1	0.3333	0.3333	230301	230307	AE65385	TEMP	241329000
03232	292	00010	230405	01	1	11		M	M	M	0.1	0.3333	0.3333	230401	230405	AE65850	TEMP	241329000
03232	292	00094	230131	01	1	562		M	M	M	0.	0.	0.	230101	230131	AE64779	FCOND25	241329000
03232	292	00094	230307	01	1	825		M	M	M	0.	0.	0.	230301	230307	AE65385	FCOND25	241329000
03232	292	00094	230405	01	1	430		M	M	M	0.	0.	0.	230401	230405	AE65850	FCOND25	241329000
03232	292	00400	230131	01	1	7.4		M	M	M	0.1	0.1	0.1	230101	230131	AE64779	FieldPH	241329000
03232	292	00400	230307	01	1	8.4		M	M	M	0.1	0.1	0.1	230301	230307	AE65385	FieldPH	241329000
03232	292	00400	230405	01	1	7.6		M	M	M	0.1	0.1	0.1	230401	230405	AE65850	FieldPH	241329000
03232	292	00410	230131	01	1	155		M	M	M	20.	66.66	66.66	230101	230213	AE64779	Std Mtd 2320B	241329000
03232	292	00410	230307	01	1	151		M	M	M	20.	66.66	66.66	230301	230313	AE65385	Std Mtd 2320B	241329000
03232	292	00410	230307	02	1	153		M	M	M	20.	66.66	66.66	230301	230313	AE65386	Std Mtd 2320B	241329000
03232	292	00410	230405	01	1		N	M	M	M	20.	66.66	66.66	230401	230406	AE65850	Std Mtd 2320B	241329000
03232	292	00515	230307	01	1	260		M	M	M	20.	66.66	66.66	230301	230313	AE65385	Std Mtd 2540 C	241329000
03232	292	00630	230131	01	1	0.075		M	M	M	0.011	0.036	0.036	230101	230131	AE64779	EPA 353.2	241329000
03232	292	00630	230307	01	1	0.071		M	M	M	0.011	0.036	0.036	230301	230314	AE65385	EPA 353.2	241329000
03232	292	00630	230307	02	1	0.098		M	M	M	0.011	0.036	0.036	230301	230314	AE65386	EPA 353.2	241329000
03232	292	00630	230405	01	1	2.8		M	M	M	0.011	0.036	0.036	230401	230406	AE65850	EPA 353.2	405132750
03232	292	00900	230131	01	1	120		M	M	M	1.	3.333	3.333	230101	230329	AE64779	Std Mtd 2340B	241329000
03232	292	00900	230307	01	1	133		M	M	M	0.32	1.7	1.7	230301	230314	AE65385	Std Mtd 2340B	405132750
03232	292	00900	230307	02	1	129		M	M	M	0.32	1.7	1.7	230301	230314	AE65386	Std Mtd 2340B	405132750
03232	292	00900	230405	01	1	112		M	M	M	1.	5.4	5.4	230401	230411	AE65850	Std Mtd 2340B	405132750
03232	292	00916	230131	01	1	29.6		M	M	M	0.0124	0.0414	0.0414	230101	230323	AE64779	EPA 200.7	241329000
03232	292	00916	230307	01	1	35.1		M	M	M	0.076	0.25	0.25	230301	230314	AE65385	EPA 200.8	405132750
03232	292	00916	230307	02	1	33.7		M	M	M	0.076	0.25	0.25	230301	230314	AE65386	EPA 200.8	405132750

03232	292	00916	230405	01	1	27.9		M	M	M	0.11	0.5	0.5	230401	230411	AE65850	EPA 200.7	405132750
03232	292	00927	230131	01	1	10.8		M	M	M	0.0071	0.024	0.024	230101	230323	AE64779	EPA 200.7	241329000
03232	292	00927	230307	01	1	11		M	M	M	0.031	0.25	0.25	230301	230314	AE65385	EPA 200.8	405132750
03232	292	00927	230307	02	1	10.9		M	M	M	0.031	0.25	0.25	230301	230314	AE65386	EPA 200.8	405132750
03232	292	00927	230405	01	1	10.2		M	M	M	0.18	1.	1.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01002	230131	01	1	1.24		M	M	M	0.046	0.15	0.15	230101	230320	AE64779	EPA 200.8	241329000
03232	292	01002	230307	01	1	0.69	J	M	M	M	0.28	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01002	230307	02	1	0.58	J	M	M	M	0.28	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01002	230405	01	1	0.82	J	M	M	M	0.28	1.	1.	230401	230414	AE65850	EPA 200.8	405132750
03232	292	01007	230131	01	1	34.1		M	M	M	0.4	1.2	1.2	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01007	230307	01	1	31		M	M	M	0.7	2.3	2.3	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01007	230307	02	1	31		M	M	M	0.7	2.3	2.3	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01007	230405	01	1	32		M	M	M	1.5	5.	5.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01012	230131	01	1		N	M	M	M	0.3	0.9	0.9	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01012	230307	01	1		N	M	M	M	0.25	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01012	230307	02	1		N	M	M	M	0.25	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01012	230405	01	1		N	M	M	M	0.53	4.	4.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01027	230131	01	1		N	M	M	M	0.8	2.5	2.5	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01027	230307	01	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01027	230307	02	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01027	230405	01	1		N	M	M	M	1.3	5.	5.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01034	230131	01	1		N	M	M	M	1.3	4.3	4.3	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01034	230307	01	1		N	M	M	M	1.	3.4	3.4	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01034	230307	02	1		N	M	M	M	1.	3.4	3.4	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01034	230405	01	1		N	M	M	M	2.5	10.	10.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01037	230131	01	1		N	M	M	M	1.9	6.4	6.4	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01037	230307	01	1	0.14	J	M	M	M	0.12	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01037	230307	02	1	0.12	J	M	M	M	0.12	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01037	230405	01	1		N	M	M	M	1.4	5.	5.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01042	230131	01	1	2.28	J	M	M	M	1.6	5.2	5.2	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01042	230307	02	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01051	230131	01	1	0.52		M	M	M	0.0072	0.024	0.024	230101	230320	AE64779	EPA 200.8	241329000
03232	292	01051	230307	01	1		N	M	M	M	0.24	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01051	230307	02	1		N	M	M	M	0.24	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01051	230405	01	1		N	M	M	M	0.24	1.	1.	230401	230414	AE65850	EPA 200.8	405132750
03232	292	01055	230131	01	1	30.3		M	M	M	0.2	0.7	0.7	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01055	230307	01	1	38		M	M	M	1.2	4.	4.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01055	230307	02	1	37		M	M	M	1.2	4.	4.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01055	230405	01	1	43		M	M	M	1.5	5.	5.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01059	230131	01	1	0.026	J	M	M	M	0.023	0.077	0.077	230101	230320	AE64779	EPA 200.8	241329000
03232	292	01059	230307	01	1		N	M	M	M	0.14	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01059	230307	02	1		N	M	M	M	0.14	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01059	230405	01	1		N	M	M	M	0.14	1.	1.	230401	230414	AE65850	EPA 200.8	405132750
03232	292	01062	230131	01	1	40.6		M	M	M	2.7	9.2	9.2	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01062	230307	01	1	36		M	M	M	0.44	1.5	1.5	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01062	230307	02	1	35		M	M	M	0.44	1.5	1.5	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01062	230405	01	1	35		M	M	M	2.4	10.	10.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01077	230131	01	1		N	M	M	M	2.9	9.6	9.6	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01077	230307	02	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01092	230131	01	1	7.78		M	M	M	1.4	4.7	4.7	230101	230323	AE64779	EPA 200.7	241329000
03232	292	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01092	230307	02	1		N	M	M	M	10.	34.	34.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65850	EPA 200.7	405132750
03232	292	01097	230131	01	1	0.25		M	M	M	0.019	0.063	0.063	230101	230320	AE64779	EPA 200.8	241329000
03232	292	01097	230307	01	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01097	230307	02	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01097	230405	01	1		N	M	M	M	0.15	1.	1.	230401	230414	AE65850	EPA 200.8	405132750
03232	292	01132	230131	01	1	5.65		M	M	M	0.12	0.39	0.39	230101	230323	AE64779	EPA 200.7	241329000

03232	292	01132	230307	01	1	3.8		M	M	M	0.22	1.	1.	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01132	230307	02	1	3.7		M	M	M	0.22	1.	1.	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01132	230405	01	1	3.3		M	M	M	0.22	1.	1.	230401	230414	AE65850	EPA 200.7	405132750
03232	292	01147	230131	01	1	0.59	J	M	M	M	1.6	5.3	5.3	230101	230320	AE64779	EPA 200.8	241329000
03232	292	01147	230307	01	1		N	M	M	M	0.32	1.1	1.1	230301	230314	AE65385	EPA 200.8	405132750
03232	292	01147	230307	02	1		N	M	M	M	0.32	1.1	1.1	230301	230314	AE65386	EPA 200.8	405132750
03232	292	01147	230405	01	1		N	M	M	M	0.32	1.1	1.1	230401	230414	AE65850	EPA 200.8	405132750
03232	292	04189	230131	01	1	655.04		M	M	M	0.	0.	0.	230101		AE64779	calculated	241329000
03232	292	04189	230307	01	1	656.02		M	M	M	0.	0.	0.	230301		AE65385	calculated	241329000
03232	292	04189	230405	01	1	657.1		M	M	M	0.	0.	0.	230401		AE65850	calculated	241329000
03232	292	71890	230405	01	1		N	M	M	M	0.0012	0.004	0.004	230401	230411	AE65850	EPA 245.7	241329000
03232	292	71900	230131	01	1	0.00077		M	M	M	0.0002	0.0006	0.0006	230101	230207	AE64779	EPA 1631E	241329000
03232	292	71900	230307	01	1	0.00019	J	M	M	M	0.0002	0.0006	0.0006	230301	230314	AE65385	EPA 1631E	241329000
03232	292	71900	230307	02	1	0.00021	J	M	M	M	0.0002	0.0006	0.0006	230301	230314	AE65386	EPA 1631E	241329000
03232	292	72002	230131	01	1	40.16		M	M	M	0.05	0.1667	0.1667	230101	230131	AE64779	H2OD	241329000
03232	292	72002	230307	01	1	39.18		M	M	M	0.05	0.1667	0.1667	230301	230307	AE65385	H2OD	241329000
03232	292	72002	230405	01	1	38.1		M	M	M	0.05	0.1667	0.1667	230401	230405	AE65850	H2OD	241329000
03232	997	00410	230131	01	1		N	M	M	M	20.	66.66	66.66	230101	230213	AE64781	Std Mtd 2320B	241329000
03232	997	00410	230307	01	1		N	M	M	M	20.	66.66	66.66	230301	230313	AE65387	Std Mtd 2320B	241329000
03232	997	00410	230405	01	1		N	M	M	M	20.	66.66	66.66	230401	230406	AE65852	Std Mtd 2320B	241329000
03232	997	00630	230131	01	1		N	M	M	M	0.011	0.036	0.036	230101	230208	AE64781	EPA 353.2	241329000
03232	997	00630	230307	01	1	0.012	J	M	M	M	0.011	0.036	0.036	230301	230314	AE65387	EPA 353.2	241329000
03232	997	00630	230405	01	1	0.32		M	M	M	0.011	0.036	0.036	230401	230406	AE65852	EPA 353.2	241329000
03232	997	00900	230131	01	1	1		M	M	M	1.	3.333	3.333	230101	230329	AE64781	Std Mtd 2340B	241329000
03232	997	00900	230307	01	1		N	M	M	M	0.32	1.7	1.7	230301	230314	AE65387	Std Mtd 2340B	405132750
03232	997	00900	230405	01	1		N	M	M	M	1.	5.4	5.4	230401	230411	AE65852	Std Mtd 2340B	405132750
03232	997	00916	230131	01	1	0.223		M	M	M	0.0124	0.0414	0.0414	230101	230323	AE64781	EPA 200.7	241329000
03232	997	00916	230307	01	1		N	M	M	M	0.076	0.25	0.25	230301	230314	AE65387	EPA 200.8	405132750
03232	997	00916	230405	01	1		N	M	M	M	0.11	0.5	0.5	230401	230411	AE65852	EPA 200.7	405132750
03232	997	00927	230131	01	1	0.107		M	M	M	0.0071	0.024	0.024	230101	230323	AE64781	EPA 200.7	241329000
03232	997	00927	230307	01	1		N	M	M	M	0.031	0.25	0.25	230301	230314	AE65387	EPA 200.8	405132750
03232	997	00927	230405	01	1		N	M	M	M	0.18	1.	1.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01002	230131	01	1		N	M	M	M	0.046	0.15	0.15	230101	230320	AE64781	EPA 200.8	241329000
03232	997	01002	230307	01	1		N	M	M	M	0.28	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01002	230405	01	1		N	M	M	M	0.28	1.	1.	230401	230414	AE65852	EPA 200.8	405132750
03232	997	01007	230131	01	1	0.58	J	M	M	M	0.4	1.2	1.2	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01007	230307	01	1		N	M	M	M	0.7	2.3	2.3	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01007	230405	01	1		N	M	M	M	1.5	5.	5.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01012	230131	01	1		N	M	M	M	0.3	0.9	0.9	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01012	230307	01	1		N	M	M	M	0.25	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01012	230405	01	1		N	M	M	M	0.53	4.	4.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01027	230131	01	1		N	M	M	M	0.8	2.5	2.5	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01027	230307	01	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01027	230405	01	1		N	M	M	M	1.3	5.	5.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01034	230131	01	1	1.6	J	M	M	M	1.3	4.3	4.3	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01034	230307	01	1		N	M	M	M	1.	3.4	3.4	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01034	230405	01	1		N	M	M	M	2.5	10.	10.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01037	230131	01	1		N	M	M	M	1.9	6.4	6.4	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01037	230307	01	1		N	M	M	M	0.12	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01037	230405	01	1		N	M	M	M	1.4	5.	5.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01042	230131	01	1		N	M	M	M	1.6	5.2	5.2	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01042	230307	01	1		N	M	M	M	1.9	6.4	6.4	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01042	230405	01	1		N	M	M	M	3.4	10.	10.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01051	230131	01	1	0.3		M	M	M	0.0072	0.024	0.024	230101	230320	AE64781	EPA 200.8	241329000
03232	997	01051	230307	01	1		N	M	M	M	0.24	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01051	230405	01	1		N	M	M	M	0.24	1.	1.	230401	230414	AE65852	EPA 200.8	405132750
03232	997	01055	230131	01	1	0.47	J	M	M	M	0.2	0.7	0.7	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01055	230307	01	1		N	M	M	M	1.2	4.	4.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01055	230405	01	1		N	M	M	M	1.5	5.	5.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01059	230131	01	1		N	M	M	M	0.023	0.077	0.077	230101	230320	AE64781	EPA 200.8	241329000
03232	997	01059	230307	01	1		N	M	M	M	0.14	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01059	230405	01	1		N	M	M	M	0.14	1.	1.	230401	230414	AE65852	EPA 200.8	405132750

03232	997	01062	230131	01	1		N	M	M	M	2.7	9.2	9.2	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01062	230307	01	1		N	M	M	M	0.44	1.5	1.5	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01062	230405	01	1		N	M	M	M	2.4	10.	10.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01077	230131	01	1		N	M	M	M	2.9	9.6	9.6	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01077	230307	01	1		N	M	M	M	0.13	0.5	0.5	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01077	230405	01	1		N	M	M	M	3.2	10.	10.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01092	230131	01	1		N	M	M	M	1.4	4.7	4.7	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01092	230307	01	1		N	M	M	M	10.	34.	34.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01092	230405	01	1		N	M	M	M	12.	40.	40.	230401	230411	AE65852	EPA 200.7	405132750
03232	997	01097	230131	01	1		N	M	M	M	0.019	0.063	0.063	230101	230320	AE64781	EPA 200.8	241329000
03232	997	01097	230307	01	1		N	M	M	M	0.15	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01097	230405	01	1		N	M	M	M	0.15	1.	1.	230401	230414	AE65852	EPA 200.8	405132750
03232	997	01132	230131	01	1		N	M	M	M	0.12	0.39	0.39	230101	230323	AE64781	EPA 200.7	241329000
03232	997	01132	230307	01	1		N	M	M	M	0.22	1.	1.	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01132	230405	01	1	0.25	J	M	M	M	0.22	1.	1.	230401	230414	AE65852	EPA 200.7	405132750
03232	997	01147	230131	01	1		N	M	M	M	1.6	5.3	5.3	230101	230320	AE64781	EPA 200.8	241329000
03232	997	01147	230307	01	1		N	M	M	M	0.32	1.1	1.1	230301	230314	AE65387	EPA 200.8	405132750
03232	997	01147	230405	01	1		N	M	M	M	0.32	1.	1.	230401	230414	AE65852	EPA 200.8	405132750
03232	997	71890	230405	01	1	0.0072		M	M	M	0.0012	0.004	0.004	230401	230411	AE65852	EPA 245.7	241329000
03232	997	71900	230131	01	1	0.00099		M	M	M	0.0002	0.0006	0.0006	230101	230207	AE64781	EPA 1631E	241329000
03232	997	71900	230307	01	1	0.00027	J	M	M	M	0.0002	0.0006	0.0006	230301	230314	AE65387	EPA 1631E	241329000

03232	213	00010	230508	01	1	12.1		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66444	TEMP	241329000
03232	213	00094	230508	01	1	941		M	M	M	0.	0.	0.	230501	230508	AE66444	FCOND25	241329000
03232	213	00400	230508	01	1	7.9		M	M	M	0.1	0.1	0.1	230501	230508	AE66444	FieldPH	241329000
03232	213	00915	230508	01	1	81.8		M	M	M	0.0762	0.254	0.254	230501	230602	AE66444	EPA 200.7	405132750
03232	213	00915	230509	02	1	79.3		M	M	M	0.0762	0.254	0.254	230501	230602	AE66455	EPA 200.7	405132750
03232	213	00925	230508	01	1	74.7		M	M	M	0.0312	0.25	0.25	230501	230602	AE66444	EPA 200.7	405132750
03232	213	00925	230509	02	1	71.1		M	M	M	0.0312	0.25	0.25	230501	230602	AE66455	EPA 200.7	405132750
03232	213	00930	230508	01	1	16.4		M	M	M	0.042	0.25	0.25	230501	230602	AE66444	EPA 200.7	405132750
03232	213	00930	230509	02	1	15.6		M	M	M	0.042	0.25	0.25	230501	230602	AE66455	EPA 200.7	405132750
03232	213	00935	230508	01	1	2.06		M	M	M	0.237	0.789	0.789	230501	230602	AE66444	EPA 200.7	405132750
03232	213	00935	230509	02	1	1.87		M	M	M	0.237	0.789	0.789	230501	230602	AE66455	EPA 200.7	405132750
03232	213	00941	230508	01	1	36.2		M	M	M	2.2	10.	10.	230501	230531	AE66444	EPA 300.0	405132750
03232	213	00941	230509	02	1	37.5		M	M	M	2.2	10.	10.	230501	230531	AE66455	EPA 300.0	405132750
03232	213	00946	230508	01	1	131		M	M	M	2.2	10.	10.	230501	230531	AE66444	EPA 300.0	405132750
03232	213	00946	230509	02	1	139		M	M	M	2.2	10.	10.	230501	230531	AE66455	EPA 300.0	405132750
03232	213	01020	230508	01	1	0.0726		M	M	M	0.003	0.01	0.01	230501	230602	AE66444	EPA 200.7	405132750
03232	213	01020	230509	02	1	0.069		M	M	M	0.003	0.01	0.01	230501	230602	AE66455	EPA 200.7	405132750
03232	213	01060	230508	01	1	9		M	M	M	0.44	1.5	1.5	230501	230602	AE66444	EPA 200.7	405132750
03232	213	01060	230509	02	1	8.5		M	M	M	0.44	1.5	1.5	230501	230602	AE66455	EPA 200.7	405132750
03232	213	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66444	EPA 200.8	405132750
03232	213	01145	230509	02	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66455	EPA 200.8	405132750
03232	213	04189	230508	01	1	685.39		M	M	M	0.	0.	0.	230501		AE66444	calculated	241329000
03232	213	22413	230508	01	1	512		M	M	M	0.32	1.7	1.7	230501	230605	AE66444	Std Mtd 2340B	405132750
03232	213	22413	230509	02	1	491		M	M	M	0.32	1.7	1.7	230501	230605	AE66455	Std Mtd 2340B	405132750
03232	213	39036	230508	01	1	345		M	M	M	5.	10.	10.	230501	230517	AE66444	Std Mtd 2320B	405132750
03232	213	39036	230509	02	1	347		M	M	M	5.	10.	10.	230501	230518	AE66455	Std Mtd 2320B	405132750
03232	213	72002	230508	01	1	11.53		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66444	H2OD	241329000
03232	214	00010	230509	01	1	10.5		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66445	TEMP	241329000
03232	214	00094	230509	01	1	832		M	M	M	0.	0.	0.	230501	230508	AE66445	FCOND25	241329000
03232	214	00400	230509	01	1	7.8		M	M	M	0.1	0.1	0.1	230501	230508	AE66445	FieldPH	241329000
03232	214	00915	230509	01	1	67.4		M	M	M	0.0762	0.254	0.254	230501	230602	AE66445	EPA 200.7	405132750
03232	214	00925	230509	01	1	50.2		M	M	M	0.0312	0.25	0.25	230501	230602	AE66445	EPA 200.7	405132750
03232	214	00930	230509	01	1	26.2		M	M	M	0.042	0.25	0.25	230501	230602	AE66445	EPA 200.7	405132750
03232	214	00935	230509	01	1	1.76		M	M	M	0.237	0.789	0.789	230501	230602	AE66445	EPA 200.7	405132750
03232	214	00941	230509	01	1	60.7		M	M	M	2.2	10.	10.	230501	230531	AE66445	EPA 300.0	405132750
03232	214	00946	230509	01	1	77.4		M	M	M	2.2	10.	10.	230501	230531	AE66445	EPA 300.0	405132750
03232	214	01020	230509	01	1	0.0714		M	M	M	0.003	0.01	0.01	230501	230602	AE66445	EPA 200.7	405132750
03232	214	01060	230509	01	1	6.4		M	M	M	0.44	1.5	1.5	230501	230602	AE66445	EPA 200.7	405132750
03232	214	01145	230509	01	1	0.37	J	M	M	M	0.32	1.1	1.1	230501	230602	AE66445	EPA 200.8	405132750
03232	214	04189	230509	01	1	692.03		M	M	M	0.	0.	0.	230501		AE66445	calculated	241329000
03232	214	22413	230509	01	1	375		M	M	M	0.32	1.7	1.7	230501	230606	AE66445	Std Mtd 2340B	405132750
03232	214	39036	230509	01	1	274		M	M	M	5.	10.	10.	230501	230517	AE66445	Std Mtd 2320B	405132750
03232	214	72002	230509	01	1	4.5		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66445	H2OD	241329000
03232	215	00010	230509	01	1	11.1		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66446	TEMP	241329000
03232	215	00094	230509	01	1	1090		M	M	M	0.	0.	0.	230501	230508	AE66446	FCOND25	241329000
03232	215	00400	230509	01	1	7.8		M	M	M	0.1	0.1	0.1	230501	230508	AE66446	FieldPH	241329000
03232	215	00915	230509	01	1	103		M	M	M	0.0762	0.254	0.254	230501	230602	AE66446	EPA 200.7	405132750
03232	215	00925	230509	01	1	59.2		M	M	M	0.0312	0.25	0.25	230501	230602	AE66446	EPA 200.7	405132750
03232	215	00930	230509	01	1	51.9		M	M	M	0.042	0.25	0.25	230501	230602	AE66446	EPA 200.7	405132750
03232	215	00935	230509	01	1	2.8		M	M	M	0.237	0.789	0.789	230501	230602	AE66446	EPA 200.7	405132750
03232	215	00941	230509	01	1	103		M	M	M	2.2	10.	10.	230501	230530	AE66446	EPA 300.0	405132750
03232	215	00946	230509	01	1	149		M	M	M	2.2	10.	10.	230501	230530	AE66446	EPA 300.0	405132750
03232	215	01020	230509	01	1	0.0919		M	M	M	0.003	0.01	0.01	230501	230602	AE66446	EPA 200.7	405132750
03232	215	01060	230509	01	1	6.4		M	M	M	0.44	1.5	1.5	230501	230602	AE66446	EPA 200.7	405132750
03232	215	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66446	EPA 200.8	405132750
03232	215	04189	230509	01	1	684.87		M	M	M	0.	0.	0.	230501		AE66446	calculated	241329000
03232	215	22413	230509	01	1	502		M	M	M	0.32	1.7	1.7	230501	230606	AE66446	Std Mtd 2340B	405132750
03232	215	39036	230509	01	1	314		M	M	M	5.	10.	10.	230501	230517	AE66446	Std Mtd 2320B	405132750
03232	215	72002	230509	01	1	11.66		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66446	H2OD	241329000
03232	216	00010	230508	01	1	10.5		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66439	TEMP	241329000
03232	216	00094	230508	01	1	684		M	M	M	0.	0.	0.	230501	230508	AE66439	FCOND25	241329000
03232	216	00400	230508	01	1	7.8		M	M	M	0.1	0.1	0.1	230501	230508	AE66439	FieldPH	241329000
03232	216	00915	230508	01	1	61.9		M	M	M	0.0762	0.254	0.254	230501	230602	AE66439	EPA 200.7	405132750
03232	216	00925	230508	01	1	51.7		M	M	M	0.0312	0.25	0.25	230501	230602	AE66439	EPA 200.7	405132750
03232	216	00930	230508	01	1	16.5		M	M	M	0.042	0.25	0.25	230501	230602	AE66439	EPA 200.7	405132750
03232	216	00935	230508	01	1	1.49		M	M	M	0.237	0.789	0.789	230501	230602	AE66439	EPA 200.7	405132750
03232	216	00941	230508	01	1	18.7		M	M	M	2.2	10.	10.	230501	230531	AE66439	EPA 300.0	405132750
03232	216	00946	230508	01	1	83.7		M	M	M	2.2	10.	10.	230501	230531	AE66439	EPA 300.0	405132750
03232	216	01020	230508	01	1	0.0804		M	M	M	0.003	0.01	0.01	230501	230602	AE66439	EPA 200.7	405132750
03232	216	01060	230508	01	1	10.9		M	M	M	0.44	1.5	1.5	230501	230602	AE66439	EPA 200.7	405132750
03232	216	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66439	EPA 200.8	405132750
03232	216	04189	230508	01	1	694.23		M	M	M	0.	0.	0.	230501		AE66439	calculated	241329000
03232	216	22413	230508	01	1	367		M	M	M	0.32	1.7	1.7	230501	230605	AE66439	Std Mtd 2340B	405132750

03232	216	39036	230508	01	1	287		M	M	M	5.	10.	10.	230501	230517	AE66439	Std Mtd 2320B	405132750
03232	216	72002	230508	01	1	11.74		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66439	H2OD	241329000
03232	217	00010	230508	01	1	10		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66440	TEMP	241329000
03232	217	00094	230508	01	1	629		M	M	M	0.	0.	0.	230501	230508	AE66440	FCOND25	241329000
03232	217	00400	230508	01	1	7.8		M	M	M	0.1	0.1	0.1	230501	230508	AE66440	FieldPH	241329000
03232	217	00915	230508	01	1	60.1		M	M	M	0.0762	0.254	0.254	230501	230602	AE66440	EPA 200.7	405132750
03232	217	00925	230508	01	1	52.4		M	M	M	0.0312	0.25	0.25	230501	230602	AE66440	EPA 200.7	405132750
03232	217	00930	230508	01	1	18.4		M	M	M	0.042	0.25	0.25	230501	230602	AE66440	EPA 200.7	405132750
03232	217	00935	230508	01	1	2.04		M	M	M	0.237	0.789	0.789	230501	230602	AE66440	EPA 200.7	405132750
03232	217	00941	230508	01	1	22.4		M	M	M	2.2	10.	10.	230501	230531	AE66440	EPA 300.0	405132750
03232	217	00946	230508	01	1	73.2		M	M	M	2.2	10.	10.	230501	230531	AE66440	EPA 300.0	405132750
03232	217	01020	230508	01	1	0.0863		M	M	M	0.003	0.01	0.01	230501	230602	AE66440	EPA 200.7	405132750
03232	217	01060	230508	01	1	11.2		M	M	M	0.44	1.5	1.5	230501	230602	AE66440	EPA 200.7	405132750
03232	217	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66440	EPA 200.8	405132750
03232	217	04189	230508	01	1	701.38		M	M	M	0.	0.	0.	230501		AE66440	calculated	241329000
03232	217	22413	230508	01	1	366		M	M	M	0.32	1.7	1.7	230501	230606	AE66440	Std Mtd 2340B	405132750
03232	217	39036	230508	01	1	285		M	M	M	5.	10.	10.	230501	230517	AE66440	Std Mtd 2320B	405132750
03232	217	72002	230508	01	1	3.85		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66440	H2OD	241329000
03232	218	00010	230508	01	1	11.6		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66441	TEMP	241329000
03232	218	00094	230508	01	1	534		M	M	M	0.	0.	0.	230501	230508	AE66441	FCOND25	241329000
03232	218	00400	230508	01	1	8.2		M	M	M	0.1	0.1	0.1	230501	230508	AE66441	FieldPH	241329000
03232	218	00915	230508	01	1	28.5		M	M	M	0.0762	0.254	0.254	230501	230602	AE66441	EPA 200.7	405132750
03232	218	00925	230508	01	1	16.7		M	M	M	0.0312	0.25	0.25	230501	230602	AE66441	EPA 200.7	405132750
03232	218	00930	230508	01	1	54.7		M	M	M	0.042	0.25	0.25	230501	230602	AE66441	EPA 200.7	405132750
03232	218	00935	230508	01	1	0.877		M	M	M	0.237	0.789	0.789	230501	230602	AE66441	EPA 200.7	405132750
03232	218	00941	230508	01	1	7.6	J	M	M	M	2.2	10.	10.	230501	230605	AE66441	EPA 300.0	405132750
03232	218	00946	230508	01	1	142		M	M	M	2.2	10.	10.	230501	230605	AE66441	EPA 300.0	405132750
03232	218	01020	230508	01	1	0.494		M	M	M	0.003	0.01	0.01	230501	230602	AE66441	EPA 200.7	405132750
03232	218	01060	230508	01	1	43.8		M	M	M	0.44	1.5	1.5	230501	230602	AE66441	EPA 200.7	405132750
03232	218	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66441	EPA 200.8	405132750
03232	218	04189	230508	01	1	692.01		M	M	M	0.	0.	0.	230501		AE66441	calculated	241329000
03232	218	22413	230508	01	1	140		M	M	M	0.32	1.7	1.7	230501	230605	AE66441	Std Mtd 2340B	405132750
03232	218	39036	230508	01	1	106		M	M	M	5.	10.	10.	230501	230517	AE66441	Std Mtd 2320B	405132750
03232	218	72002	230508	01	1	13.82		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66441	H2OD	241329000
03232	219	00010	230509	01	1	10.7		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66450	TEMP	241329000
03232	219	00094	230509	01	1	812		M	M	M	0.	0.	0.	230501	230508	AE66450	FCOND25	241329000
03232	219	00400	230509	01	1	7.1		M	M	M	0.1	0.1	0.1	230501	230508	AE66450	FieldPH	241329000
03232	219	00915	230509	01	1	73.4		M	M	M	0.0762	0.254	0.254	230501	230602	AE66450	EPA 200.7	405132750
03232	219	00925	230509	01	1	70.8		M	M	M	0.0312	0.25	0.25	230501	230602	AE66450	EPA 200.7	405132750
03232	219	00930	230509	01	1	11.1		M	M	M	0.042	0.25	0.25	230501	230602	AE66450	EPA 200.7	405132750
03232	219	00935	230509	01	1	2.38		M	M	M	0.237	0.789	0.789	230501	230602	AE66450	EPA 200.7	405132750
03232	219	00941	230509	01	1	12		M	M	M	2.2	10.	10.	230501	230531	AE66450	EPA 300.0	405132750
03232	219	00946	230509	01	1	113		M	M	M	2.2	10.	10.	230501	230531	AE66450	EPA 300.0	405132750
03232	219	01020	230509	01	1	0.12		M	M	M	0.003	0.01	0.01	230501	230602	AE66450	EPA 200.7	405132750
03232	219	01060	230509	01	1	11.5		M	M	M	0.44	1.5	1.5	230501	230602	AE66450	EPA 200.7	405132750
03232	219	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66450	EPA 200.8	405132750
03232	219	04189	230509	01	1	695.53		M	M	M	0.	0.	0.	230501		AE66450	calculated	241329000
03232	219	22413	230509	01	1	475		M	M	M	0.32	1.7	1.7	230501	230605	AE66450	Std Mtd 2340B	405132750
03232	219	39036	230509	01	1	342		M	M	M	5.	10.	10.	230501	230518	AE66450	Std Mtd 2320B	405132750
03232	219	72002	230509	01	1	3.2		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66450	H2OD	241329000
03232	221	00010	230509	01	1	10.4		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66451	TEMP	241329000
03232	221	00094	230509	01	1	812		M	M	M	0.	0.	0.	230501	230508	AE66451	FCOND25	241329000
03232	221	00400	230509	01	1	7.9		M	M	M	0.1	0.1	0.1	230501	230508	AE66451	FieldPH	241329000
03232	221	00915	230509	01	1	69.9		M	M	M	0.0762	0.254	0.254	230501	230602	AE66451	EPA 200.7	405132750
03232	221	00925	230509	01	1	55.7		M	M	M	0.0312	0.25	0.25	230501	230602	AE66451	EPA 200.7	405132750
03232	221	00930	230509	01	1	20.4		M	M	M	0.042	0.25	0.25	230501	230602	AE66451	EPA 200.7	405132750
03232	221	00935	230509	01	1	1.56		M	M	M	0.237	0.789	0.789	230501	230602	AE66451	EPA 200.7	405132750
03232	221	00941	230509	01	1	19.1		M	M	M	2.2	10.	10.	230501	230531	AE66451	EPA 300.0	405132750
03232	221	00946	230509	01	1	118		M	M	M	2.2	10.	10.	230501	230531	AE66451	EPA 300.0	405132750
03232	221	01020	230509	01	1	0.307		M	M	M	0.003	0.01	0.01	230501	230602	AE66451	EPA 200.7	405132750
03232	221	01060	230509	01	1	11		M	M	M	0.44	1.5	1.5	230501	230602	AE66451	EPA 200.7	405132750
03232	221	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66451	EPA 200.8	405132750
03232	221	04189	230509	01	1	681.69		M	M	M	0.	0.	0.	230501		AE66451	calculated	241329000
03232	221	22413	230509	01	1	404		M	M	M	0.32	1.7	1.7	230501	230605	AE66451	Std Mtd 2340B	405132750
03232	221	39036	230509	01	1	306		M	M	M	5.	10.	10.	230501	230518	AE66451	Std Mtd 2320B	405132750
03232	221	72002	230509	01	1	17.52		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66451	H2OD	241329000
03232	222	00010	230509	01	1	10.2		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66449	TEMP	241329000
03232	222	00094	230509	01	1	968		M	M	M	0.	0.	0.	230501	230508	AE66449	FCOND25	241329000
03232	222	00400	230509	01	1	7.7		M	M	M	0.1	0.1	0.1	230501	230508	AE66449	FieldPH	241329000
03232	222	00915	230509	01	1	81.5		M	M	M	0.0762	0.254	0.254	230501	230602	AE66449	EPA 200.7	405132750
03232	222	00925	230509	01	1	80.7		M	M	M	0.0312	0.25	0.25	230501	230602	AE66449	EPA 200.7	405132750
03232	222	00930	230509	01	1	24.7		M	M	M	0.042	0.25	0.25	230501	230602	AE66449	EPA 200.7	405132750
03232	222	00935	230509	01	1	1.56		M	M	M	0.237	0.789	0.789	230501	230602	AE66449	EPA 200.7	405132750

03232	222	00941	230509	01	1	9.4	J	M	M	M	2.2	10.	10.	230501	230531	AE66449	EPA 300.0	405132750
03232	222	00946	230509	01	1	143		M	M	M	2.2	10.	10.	230501	230531	AE66449	EPA 300.0	405132750
03232	222	01020	230509	01	1	0.397		M	M	M	0.003	0.01	0.01	230501	230602	AE66449	EPA 200.7	405132750
03232	222	01060	230509	01	1	22.6		M	M	M	0.44	1.5	1.5	230501	230602	AE66449	EPA 200.7	405132750
03232	222	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66449	EPA 200.8	405132750
03232	222	04189	230509	01	1	703.33		M	M	M	0.	0.	0.	230501		AE66449	calculated	241329000
03232	222	22413	230509	01	1	536		M	M	M	0.32	1.7	1.7	230501	230605	AE66449	Std Mtd 2340B	405132750
03232	222	39036	230509	01	1	425		M	M	M	5.	10.	10.	230501	230517	AE66449	Std Mtd 2320B	405132750
03232	222	72002	230509	01	1	3.6		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66449	H2OD	241329000
03232	224	00010	230509	01	1	14		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66447	TEMP	241329000
03232	224	00094	230509	01	1	1146		M	M	M	0.	0.	0.	230501	230509	AE66447	FCOND25	241329000
03232	224	00400	230509	01	1	8		M	M	M	0.1	0.1	0.1	230501	230509	AE66447	FieldPH	241329000
03232	224	00915	230509	01	1	97.1		M	M	M	0.0762	0.254	0.254	230501	230602	AE66447	EPA 200.7	405132750
03232	224	00925	230509	01	1	92.1		M	M	M	0.0312	0.25	0.25	230501	230602	AE66447	EPA 200.7	405132750
03232	224	00930	230509	01	1	26.8		M	M	M	0.042	0.25	0.25	230501	230602	AE66447	EPA 200.7	405132750
03232	224	00935	230509	01	1	3.25		M	M	M	0.237	0.789	0.789	230501	230602	AE66447	EPA 200.7	405132750
03232	224	00941	230509	01	1	75.5		M	M	M	2.2	10.	10.	230501	230531	AE66447	EPA 300.0	405132750
03232	224	00946	230509	01	1	252		M	M	M	2.2	10.	10.	230501	230531	AE66447	EPA 300.0	405132750
03232	224	01020	230509	01	1	0.0896		M	M	M	0.003	0.01	0.01	230501	230602	AE66447	EPA 200.7	405132750
03232	224	01060	230509	01	1	7.7		M	M	M	0.44	1.5	1.5	230501	230602	AE66447	EPA 200.7	405132750
03232	224	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66447	EPA 200.8	405132750
03232	224	04189	230509	01	1	688.22		M	M	M	0.	0.	0.	230501		AE66447	calculated	241329000
03232	224	22413	230509	01	1	622		M	M	M	0.32	1.7	1.7	230501	230605	AE66447	Std Mtd 2340B	405132750
03232	224	39036	230509	01	1	312		M	M	M	5.	10.	10.	230501	230517	AE66447	Std Mtd 2320B	405132750
03232	224	72002	230509	01	1	6.5		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66447	H2OD	241329000
03232	225	00010	230509	01	1	12.3		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66448	TEMP	241329000
03232	225	00094	230509	01	1	1358		M	M	M	0.	0.	0.	230501	230509	AE66448	FCOND25	241329000
03232	225	00400	230509	01	1	7.5		M	M	M	0.1	0.1	0.1	230501	230509	AE66448	FieldPH	241329000
03232	225	00915	230509	01	1	141		M	M	M	0.0762	0.254	0.254	230501	230602	AE66448	EPA 200.7	405132750
03232	225	00915	230509	02	1	139		M	M	M	0.0762	0.254	0.254	230501	230602	AE66456	EPA 200.7	405132750
03232	225	00925	230509	01	1	98.5		M	M	M	0.0312	0.25	0.25	230501	230602	AE66448	EPA 200.7	405132750
03232	225	00925	230509	02	1	95.9		M	M	M	0.0312	0.25	0.25	230501	230602	AE66456	EPA 200.7	405132750
03232	225	00930	230509	01	1	11.5		M	M	M	0.042	0.25	0.25	230501	230602	AE66448	EPA 200.7	405132750
03232	225	00930	230509	02	1	11.4		M	M	M	0.042	0.25	0.25	230501	230602	AE66456	EPA 200.7	405132750
03232	225	00935	230509	01	1	1.35		M	M	M	0.237	0.789	0.789	230501	230602	AE66448	EPA 200.7	405132750
03232	225	00935	230509	02	1	1.35		M	M	M	0.237	0.789	0.789	230501	230602	AE66456	EPA 200.7	405132750
03232	225	00941	230509	01	1	38.8		M	M	M	2.2	10.	10.	230501	230531	AE66448	EPA 300.0	405132750
03232	225	00941	230509	02	1	44		M	M	M	2.2	10.	10.	230501	230531	AE66456	EPA 300.0	405132750
03232	225	00946	230509	01	1	224		M	M	M	2.2	10.	10.	230501	230531	AE66448	EPA 300.0	405132750
03232	225	00946	230509	02	1	251		M	M	M	2.2	10.	10.	230501	230531	AE66456	EPA 300.0	405132750
03232	225	01020	230509	01	1	0.0245		M	M	M	0.003	0.01	0.01	230501	230602	AE66448	EPA 200.7	405132750
03232	225	01020	230509	02	1	0.0248		M	M	M	0.003	0.01	0.01	230501	230602	AE66456	EPA 200.7	405132750
03232	225	01060	230509	01	1	1.9		M	M	M	0.44	1.5	1.5	230501	230602	AE66448	EPA 200.7	405132750
03232	225	01060	230509	02	1	1.9		M	M	M	0.44	1.5	1.5	230501	230602	AE66456	EPA 200.7	405132750
03232	225	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66448	EPA 200.8	405132750
03232	225	01145	230509	02	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66456	EPA 200.8	405132750
03232	225	04189	230509	01	1	689.52		M	M	M	0.	0.	0.	230501		AE66448	calculated	241329000
03232	225	22413	230509	01	1	758		M	M	M	0.32	1.7	1.7	230501	230605	AE66448	Std Mtd 2340B	405132750
03232	225	22413	230509	02	1	743		M	M	M	0.32	1.7	1.7	230501	230605	AE66456	Std Mtd 2340B	405132750
03232	225	39036	230509	01	1	514		M	M	M	5.	10.	10.	230501	230517	AE66448	Std Mtd 2320B	405132750
03232	225	39036	230509	02	1	509		M	M	M	5.	10.	10.	230501	230518	AE66456	Std Mtd 2320B	405132750
03232	225	72002	230509	01	1	2.23		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66448	H2OD	241329000
03232	226	00010	230509	01	1	12.3		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66460	TEMP	241329000
03232	226	00094	230509	01	1	720		M	M	M	0.	0.	0.	230501	230509	AE66460	FCOND25	241329000
03232	226	00400	230509	01	1	8.1		M	M	M	0.1	0.1	0.1	230501	230509	AE66460	FieldPH	241329000
03232	226	00915	230509	01	1	48.5		M	M	M	0.0762	0.254	0.254	230501	230602	AE66460	EPA 200.7	405132750
03232	226	00925	230509	01	1	45.1		M	M	M	0.0312	0.25	0.25	230501	230602	AE66460	EPA 200.7	405132750
03232	226	00930	230509	01	1	35.6		M	M	M	0.042	0.25	0.25	230501	230602	AE66460	EPA 200.7	405132750
03232	226	00935	230509	01	1	1.59		M	M	M	0.237	0.789	0.789	230501	230602	AE66460	EPA 200.7	405132750
03232	226	00941	230509	01	1	35.4		M	M	M	2.2	10.	10.	230501	230531	AE66460	EPA 300.0	405132750
03232	226	00946	230509	01	1	84.1		M	M	M	2.2	10.	10.	230501	230531	AE66460	EPA 300.0	405132750
03232	226	01020	230509	01	1	0.138		M	M	M	0.003	0.01	0.01	230501	230602	AE66460	EPA 200.7	405132750
03232	226	01060	230509	01	1	10.2		M	M	M	0.44	1.5	1.5	230501	230602	AE66460	EPA 200.7	405132750
03232	226	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66460	EPA 200.8	405132750
03232	226	04189	230509	01	1	688.21		M	M	M	0.	0.	0.	230501		AE66460	calculated	241329000
03232	226	22413	230509	01	1	307		M	M	M	0.32	1.7	1.7	230501	230605	AE66460	Std Mtd 2340B	405132750
03232	226	39036	230509	01	1	255		M	M	M	5.	10.	10.	230501	230518	AE66460	Std Mtd 2320B	405132750
03232	226	72002	230509	01	1	6.57		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66460	H2OD	241329000
03232	229	00010	230508	01	1	10		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66438	TEMP	241329000
03232	229	00094	230508	01	1	457		M	M	M	0.	0.	0.	230501	230508	AE66438	FCOND25	241329000
03232	229	00400	230508	01	1	8.3		M	M	M	0.1	0.1	0.1	230501	230508	AE66438	FieldPH	241329000
03232	229	00410	230509	02	1	128		M	M	M	2.	6.	6.	230501	230518	AE66429	Std Mtd 2320B	241249360
03232	229	00630	230509	02	1		N	M	M	M	0.4	2.	2.	230501	230511	AE66429	EPA 300.0	241249360

03232	229	00900	230509	02	1	85		M	M	M	1.	3.333	3.333	230501	230531	AE66429	Std Mtd 2340B	241249360
03232	229	00915	230508	01	1	22.7		M	M	M	0.0762	0.254	0.254	230501	230602	AE66438	EPA 200.7	405132750
03232	229	00915	230509	02	1	23.4		M	M	M	0.0762	0.254	0.254	230501	230602	AE66454	EPA 200.7	405132750
03232	229	00916	230509	02	1	19.6		M	M	M	0.6	1.8	1.8	230501	230516	AE66429	EPA 200.7	241249360
03232	229	00925	230508	01	1	8.79		M	M	M	0.0312	0.25	0.25	230501	230602	AE66438	EPA 200.7	405132750
03232	229	00925	230509	02	1	8.8		M	M	M	0.0312	0.25	0.25	230501	230602	AE66454	EPA 200.7	405132750
03232	229	00927	230509	02	1	8		M	M	M	0.06	0.1	0.1	230501	230516	AE66429	EPA 200.7	241249360
03232	229	00930	230508	01	1	57.9		M	M	M	0.042	0.25	0.25	230501	230602	AE66438	EPA 200.7	405132750
03232	229	00930	230509	02	1	58.5		M	M	M	0.042	0.25	0.25	230501	230602	AE66454	EPA 200.7	405132750
03232	229	00935	230508	01	1	0.975		M	M	M	0.237	0.789	0.789	230501	230602	AE66438	EPA 200.7	405132750
03232	229	00935	230509	02	1	0.972		M	M	M	0.237	0.789	0.789	230501	230602	AE66454	EPA 200.7	405132750
03232	229	00940	230509	02	1	4.2		M	M	M	1.	3.4	3.4	230501	230511	AE66429	EPA 300.0	241249360
03232	229	00941	230508	01	1	5.7	J	M	M	M	2.2	10.	10.	230501	230531	AE66438	EPA 300.0	405132750
03232	229	00941	230509	02	1	6.7	J	M	M	M	2.2	10.	10.	230501	230531	AE66454	EPA 300.0	405132750
03232	229	00945	230509	02	1	39.4		M	M	M	2.	6.8	6.8	230501	230511	AE66429	EPA 300.0	241249360
03232	229	00946	230508	01	1	106		M	M	M	2.2	10.	10.	230501	230531	AE66438	EPA 300.0	405132750
03232	229	00946	230509	02	1	113		M	M	M	2.2	10.	10.	230501	230531	AE66454	EPA 300.0	405132750
03232	229	00951	230509	02	1	1.9	J	M	M	M	1.5	5.	5.	230501	230516	AE66429	EPA 300.0	241249360
03232	229	01020	230508	01	1	0.467		M	M	M	0.003	0.01	0.01	230501	230602	AE66438	EPA 200.7	405132750
03232	229	01020	230509	02	1	0.457		M	M	M	0.0303	0.1	0.1	230501	230602	AE66454	EPA 200.7	405132750
03232	229	01022	230509	02	1	0.43		M	M	M	0.01	0.05	0.05	230501	230516	AE66429	EPA 200.7	241249360
03232	229	01042	230509	02	1		N	M	M	M	4.	10.	10.	230501	230516	AE66429	EPA 200.7	241249360
03232	229	01055	230509	02	1	20		M	M	M	4.	10.	10.	230501	230516	AE66429	EPA 200.7	241249360
03232	229	01060	230508	01	1	54.2		M	M	M	0.44	1.5	1.5	230501	230602	AE66438	EPA 200.7	405132750
03232	229	01060	230509	02	1	54.2		M	M	M	0.44	1.5	1.5	230501	230602	AE66454	EPA 200.7	405132750
03232	229	01077	230509	02	1		N	M	M	M	20.	70.	70.	230501	230522	AE66429	EPA 200.7	241249360
03232	229	01092	230509	02	1		N	M	M	M	60.	160.	160.	230501	230516	AE66429	EPA 200.7	241249360
03232	229	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66438	EPA 200.8	405132750
03232	229	01145	230509	02	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66454	EPA 200.8	405132750
03232	229	04189	230508	01	1	654.66		M	M	M	0.	0.	0.	230501		AE66438	calculated	241329000
03232	229	22413	230508	01	1	93		M	M	M	0.32	1.7	1.7	230501	230606	AE66438	Std Mtd 2340B	405132750
03232	229	22413	230509	02	1	94.6		M	M	M	0.32	1.7	1.7	230501	230606	AE66454	Std Mtd 2340B	405132750
03232	229	39036	230508	01	1	113		M	M	M	5.	10.	10.	230501	230517	AE66438	Std Mtd 2320B	405132750
03232	229	39036	230509	02	1	113		M	M	M	5.	10.	10.	230501	230518	AE66454	Std Mtd 2320B	405132750
03232	229	70295	230509	02	1	200		M	M	M	10.	10.	10.	230501	230516	AE66429	Std Mtd 2540 C	241249360
03232	229	72002	230508	01	1	42.6		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66438	H2OD	241329000
03232	230	00010	230509	01	1	11.4		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66459	TEMP	241329000
03232	230	00094	230509	01	1	692		M	M	M	0.	0.	0.	230501	230508	AE66459	FCOND25	241329000
03232	230	00400	230509	01	1	8.3		M	M	M	0.1	0.1	0.1	230501	230508	AE66459	FieldPH	241329000
03232	230	00915	230509	01	1	35.6		M	M	M	0.0762	0.254	0.254	230501	230602	AE66459	EPA 200.7	405132750
03232	230	00925	230509	01	1	22		M	M	M	0.0312	0.25	0.25	230501	230602	AE66459	EPA 200.7	405132750
03232	230	00930	230509	01	1	74.9		M	M	M	0.042	0.25	0.25	230501	230602	AE66459	EPA 200.7	405132750
03232	230	00935	230509	01	1	0.989		M	M	M	0.237	0.789	0.789	230501	230602	AE66459	EPA 200.7	405132750
03232	230	00941	230509	01	1	7.3	J	M	M	M	2.2	10.	10.	230501	230531	AE66459	EPA 300.0	405132750
03232	230	00946	230509	01	1	224		M	M	M	2.2	10.	10.	230501	230531	AE66459	EPA 300.0	405132750
03232	230	01020	230509	01	1	0.448		M	M	M	0.003	0.01	0.01	230501	230602	AE66459	EPA 200.7	405132750
03232	230	01060	230509	01	1	61.5		M	M	M	0.44	1.5	1.5	230501	230602	AE66459	EPA 200.7	405132750
03232	230	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66459	EPA 200.8	405132750
03232	230	04189	230509	01	1	683.57		M	M	M	0.	0.	0.	230501		AE66459	calculated	241329000
03232	230	22413	230509	01	1	180		M	M	M	0.32	1.7	1.7	230501	230605	AE66459	Std Mtd 2340B	405132750
03232	230	39036	230509	01	1	115		M	M	M	5.	10.	10.	230501	230518	AE66459	Std Mtd 2320B	405132750
03232	230	72002	230509	01	1	9.29		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66459	H2OD	241329000
03232	232	00010	230508	01	1	10.4		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66442	TEMP	241329000
03232	232	00094	230508	01	1	868		M	M	M	0.	0.	0.	230501	230508	AE66442	FCOND25	241329000
03232	232	00400	230508	01	1	7.9		M	M	M	0.1	0.1	0.1	230501	230508	AE66442	FieldPH	241329000
03232	232	00915	230508	01	1	57.3		M	M	M	0.0762	0.254	0.254	230501	230602	AE66442	EPA 200.7	405132750
03232	232	00925	230508	01	1	76.1		M	M	M	0.0312	0.25	0.25	230501	230602	AE66442	EPA 200.7	405132750
03232	232	00930	230508	01	1	15		M	M	M	0.042	0.25	0.25	230501	230602	AE66442	EPA 200.7	405132750
03232	232	00935	230508	01	1	1.49		M	M	M	0.237	0.789	0.789	230501	230602	AE66442	EPA 200.7	405132750
03232	232	00941	230508	01	1	9.7	J	M	M	M	2.2	10.	10.	230501	230531	AE66442	EPA 300.0	405132750
03232	232	00946	230508	01	1	107		M	M	M	2.2	10.	10.	230501	230531	AE66442	EPA 300.0	405132750
03232	232	01020	230508	01	1	0.107		M	M	M	0.003	0.01	0.01	230501	230602	AE66442	EPA 200.7	405132750
03232	232	01060	230508	01	1	31.9		M	M	M	0.44	1.5	1.5	230501	230602	AE66442	EPA 200.7	405132750
03232	232	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66442	EPA 200.8	405132750
03232	232	04189	230508	01	1	690.38		M	M	M	0.	0.	0.	230501		AE66442	calculated	241329000
03232	232	22413	230508	01	1	456		M	M	M	0.32	1.7	1.7	230501	230605	AE66442	Std Mtd 2340B	405132750
03232	232	39036	230508	01	1	369		M	M	M	5.	10.	10.	230501	230517	AE66442	Std Mtd 2320B	405132750
03232	232	72002	230508	01	1	2.98		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66442	H2OD	241329000
03232	234	00010	230508	01	1	10.8		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66443	TEMP	241329000
03232	234	00094	230508	01	1	654		M	M	M	0.	0.	0.	230501	230508	AE66443	FCOND25	241329000
03232	234	00400	230508	01	1	8.3		M	M	M	0.1	0.1	0.1	230501	230508	AE66443	FieldPH	241329000
03232	234	00915	230508	01	1	34.1		M	M	M	0.0762	0.254	0.254	230501	230602	AE66443	EPA 200.7	405132750
03232	234	00925	230508	01	1	14.4		M	M	M	0.0312	0.25	0.25	230501	230602	AE66443	EPA 200.7	405132750

03232	234	00930	230508	01	1	73.4		M	M	M	0.042	0.25	0.25	230501	230602	AE66443	EPA 200.7	405132750
03232	234	00935	230508	01	1	1.4		M	M	M	0.237	0.789	0.789	230501	230602	AE66443	EPA 200.7	405132750
03232	234	00941	230508	01	1	5	J	M	M	M	2.2	10.	10.	230501	230531	AE66443	EPA 300.0	405132750
03232	234	00946	230508	01	1	223		M	M	M	2.2	10.	10.	230501	230531	AE66443	EPA 300.0	405132750
03232	234	01020	230508	01	1	0.469		M	M	M	0.003	0.01	0.01	230501	230602	AE66443	EPA 200.7	405132750
03232	234	01060	230508	01	1	60.4		M	M	M	0.44	1.5	1.5	230501	230602	AE66443	EPA 200.7	405132750
03232	234	01145	230508	01	1	0.69	J	M	M	M	0.32	1.1	1.1	230501	230602	AE66443	EPA 200.8	405132750
03232	234	04189	230508	01	1	674		M	M	M	0.	0.	0.	230501		AE66443	calculated	241329000
03232	234	22413	230508	01	1	145		M	M	M	0.32	1.7	1.7	230501	230605	AE66443	Std Mtd 2340B	405132750
03232	234	39036	230508	01	1	60.2		M	M	M	5.	10.	10.	230501	230517	AE66443	Std Mtd 2320B	405132750
03232	234	72002	230508	01	1	17.73		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66443	H2OD	241329000
03232	236	00010	230508	01	1	10.9		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66435	TEMP	241329000
03232	236	00094	230508	01	1	1036		M	M	M	0.	0.	0.	230501	230508	AE66435	FCOND25	241329000
03232	236	00400	230508	01	1	8.1		M	M	M	0.1	0.1	0.1	230501	230508	AE66435	FieldPH	241329000
03232	236	00915	230508	01	1	40.2		M	M	M	0.0762	0.254	0.254	230501	230602	AE66435	EPA 200.7	405132750
03232	236	00925	230508	01	1	43.9		M	M	M	0.0312	0.25	0.25	230501	230602	AE66435	EPA 200.7	405132750
03232	236	00930	230508	01	1	144		M	M	M	0.042	0.25	0.25	230501	230602	AE66435	EPA 200.7	405132750
03232	236	00935	230508	01	1	1.81		M	M	M	0.237	0.789	0.789	230501	230602	AE66435	EPA 200.7	405132750
03232	236	00941	230508	01	1	2.8	J	M	M	M	2.2	10.	10.	230501	230531	AE66435	EPA 300.0	405132750
03232	236	00946	230508	01	1	153		M	M	M	2.2	10.	10.	230501	230531	AE66435	EPA 300.0	405132750
03232	236	01020	230508	01	1	0.153		M	M	M	0.003	0.01	0.01	230501	230602	AE66435	EPA 200.7	405132750
03232	236	01060	230508	01	1	20.5		M	M	M	0.44	1.5	1.5	230501	230602	AE66435	EPA 200.7	405132750
03232	236	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66435	EPA 200.8	405132750
03232	236	04189	230508	01	1	710.96		M	M	M	0.	0.	0.	230501		AE66435	calculated	241329000
03232	236	22413	230508	01	1	281		M	M	M	0.32	1.7	1.7	230501	230605	AE66435	Std Mtd 2340B	405132750
03232	236	39036	230508	01	1	431		M	M	M	5.	10.	10.	230501	230517	AE66435	Std Mtd 2320B	405132750
03232	236	72002	230508	01	1	5.11		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66435	H2OD	241329000
03232	238	00010	230508	01	1	9.5		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66436	TEMP	241329000
03232	238	00094	230508	01	1	835		M	M	M	0.	0.	0.	230501	230508	AE66436	FCOND25	241329000
03232	238	00400	230508	01	1	7.6		M	M	M	0.1	0.1	0.1	230501	230508	AE66436	FieldPH	241329000
03232	238	00915	230508	01	1	69.6		M	M	M	0.0762	0.254	0.254	230501	230602	AE66436	EPA 200.7	405132750
03232	238	00925	230508	01	1	56.2		M	M	M	0.0312	0.25	0.25	230501	230602	AE66436	EPA 200.7	405132750
03232	238	00930	230508	01	1	33.8		M	M	M	0.042	0.25	0.25	230501	230602	AE66436	EPA 200.7	405132750
03232	238	00935	230508	01	1	1.76		M	M	M	0.237	0.789	0.789	230501	230602	AE66436	EPA 200.7	405132750
03232	238	00941	230508	01	1	2.3	J	M	M	M	2.2	10.	10.	230501	230531	AE66436	EPA 300.0	405132750
03232	238	00946	230508	01	1	49.5		M	M	M	2.2	10.	10.	230501	230531	AE66436	EPA 300.0	405132750
03232	238	01020	230508	01	1	0.0323		M	M	M	0.003	0.01	0.01	230501	230602	AE66436	EPA 200.7	405132750
03232	238	01060	230508	01	1	13.5		M	M	M	0.44	1.5	1.5	230501	230602	AE66436	EPA 200.7	405132750
03232	238	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66436	EPA 200.8	405132750
03232	238	04189	230508	01	1	710.95		M	M	M	0.	0.	0.	230501		AE66436	calculated	241329000
03232	238	22413	230508	01	1	405		M	M	M	0.32	1.7	1.7	230501	230605	AE66436	Std Mtd 2340B	405132750
03232	238	39036	230508	01	1	429		M	M	M	5.	10.	10.	230501	230517	AE66436	Std Mtd 2320B	405132750
03232	238	72002	230508	01	1	4.66		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66436	H2OD	241329000
03232	240	00010	230508	01	1	10.4		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66437	TEMP	241329000
03232	240	00094	230508	01	1	735		M	M	M	0.	0.	0.	230501	230508	AE66437	FCOND25	241329000
03232	240	00400	230508	01	1	7.8		M	M	M	0.1	0.1	0.1	230501	230508	AE66437	FieldPH	241329000
03232	240	00915	230508	01	1	44.9		M	M	M	0.0762	0.254	0.254	230501	230602	AE66437	EPA 200.7	405132750
03232	240	00925	230508	01	1	64.5		M	M	M	0.0312	0.25	0.25	230501	230602	AE66437	EPA 200.7	405132750
03232	240	00930	230508	01	1	20.4		M	M	M	0.042	0.25	0.25	230501	230602	AE66437	EPA 200.7	405132750
03232	240	00935	230508	01	1	1.55		M	M	M	0.237	0.789	0.789	230501	230602	AE66437	EPA 200.7	405132750
03232	240	00941	230508	01	1	3.7	J	M	M	M	2.2	10.	10.	230501	230531	AE66437	EPA 300.0	405132750
03232	240	00946	230508	01	1	31.8		M	M	M	2.2	10.	10.	230501	230531	AE66437	EPA 300.0	405132750
03232	240	01020	230508	01	1	0.137		M	M	M	0.003	0.01	0.01	230501	230602	AE66437	EPA 200.7	405132750
03232	240	01060	230508	01	1	17		M	M	M	0.44	1.5	1.5	230501	230602	AE66437	EPA 200.7	405132750
03232	240	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66437	EPA 200.8	405132750
03232	240	04189	230508	01	1	705.41		M	M	M	0.	0.	0.	230501		AE66437	calculated	241329000
03232	240	22413	230508	01	1	378		M	M	M	1.	3.333	3.333	230501	230605	AE66437	Std Mtd 2340B	405132750
03232	240	39036	230508	01	1	379		M	M	M	5.	10.	10.	230501	230517	AE66437	Std Mtd 2320B	405132750
03232	240	72002	230508	01	1	11.2		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66437	H2OD	241329000
03232	253	00010	230508	01	1	12.1		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66432	TEMP	241329000
03232	253	00094	230508	01	1	637		M	M	M	0.	0.	0.	230501	230508	AE66432	FCOND25	241329000
03232	253	00400	230508	01	1	8		M	M	M	0.1	0.1	0.1	230501	230508	AE66432	FieldPH	241329000
03232	253	00915	230508	01	1	40.6		M	M	M	0.762	2.54	2.54	230501	230602	AE66432	EPA 200.7	405132750
03232	253	00925	230508	01	1	39.2		M	M	M	0.0312	0.25	0.25	230501	230602	AE66432	EPA 200.7	405132750
03232	253	00930	230508	01	1	30		M	M	M	0.042	0.25	0.25	230501	230602	AE66432	EPA 200.7	405132750
03232	253	00935	230508	01	1	1.07		M	M	M	0.237	0.789	0.789	230501	230602	AE66432	EPA 200.7	405132750
03232	253	00941	230508	01	1	13.5		M	M	M	2.2	10.	10.	230501	230531	AE66432	EPA 300.0	405132750
03232	253	00946	230508	01	1	44.6		M	M	M	2.2	10.	10.	230501	230531	AE66432	EPA 300.0	405132750
03232	253	01020	230508	01	1	0.161		M	M	M	0.003	0.01	0.01	230501	230602	AE66432	EPA 200.7	405132750
03232	253	01060	230508	01	1	12.3		M	M	M	0.44	1.5	1.5	230501	230602	AE66432	EPA 200.7	405132750
03232	253	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66432	EPA 200.8	405132750
03232	253	04189	230508	01	1	696.13		M	M	M	0.	0.	0.	230501		AE66432	calculated	241329000
03232	253	22413	230508	01	1	263		M	M	M	0.32	1.7	1.7	230501	230606	AE66432	Std Mtd 2340B	405132750

03232	253	39036	230508	01	1	285		M	M	M	5.	10.	10.	230501	230517	AE66432	Std Mtd 2320B	405132750
03232	253	72002	230508	01	1	5.18		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66432	H2OD	241329000
03232	254	00010	230508	01	1	10.3		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66433	TEMP	241329000
03232	254	00094	230508	01	1	714		M	M	M	0.	0.	0.	230501	230508	AE66433	FCOND25	241329000
03232	254	00400	230508	01	1	7.9		M	M	M	0.1	0.1	0.1	230501	230508	AE66433	FieldPH	241329000
03232	254	00915	230508	01	1	46.6		M	M	M	0.0762	0.254	0.254	230501	230602	AE66433	EPA 200.7	405132750
03232	254	00925	230508	01	1	54.1		M	M	M	0.0312	0.25	0.25	230501	230602	AE66433	EPA 200.7	405132750
03232	254	00930	230508	01	1	32.2		M	M	M	0.042	0.25	0.25	230501	230602	AE66433	EPA 200.7	405132750
03232	254	00935	230508	01	1	1.65		M	M	M	0.237	0.789	0.789	230501	230602	AE66433	EPA 200.7	405132750
03232	254	00941	230508	01	1	8.1	J	M	M	M	2.2	10.	10.	230501	230531	AE66433	EPA 300.0	405132750
03232	254	00946	230508	01	1	82.8		M	M	M	2.2	10.	10.	230501	230531	AE66433	EPA 300.0	405132750
03232	254	01020	230508	01	1	0.221		M	M	M	0.003	0.01	0.01	230501	230602	AE66433	EPA 200.7	405132750
03232	254	01060	230508	01	1	14.4		M	M	M	0.44	1.5	1.5	230501	230602	AE66433	EPA 200.7	405132750
03232	254	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66433	EPA 200.8	405132750
03232	254	04189	230508	01	1	696.5		M	M	M	0.	0.	0.	230501		AE66433	calculated	241329000
03232	254	22413	230508	01	1	339		M	M	M	1.	3.333	3.333	230501	230605	AE66433	Std Mtd 2340B	405132750
03232	254	39036	230508	01	1	307		M	M	M	5.	10.	10.	230501	230517	AE66433	Std Mtd 2320B	405132750
03232	254	72002	230508	01	1	4.84		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66433	H2OD	241329000
03232	255	00010	230508	01	1	11		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66434	TEMP	241329000
03232	255	00094	230508	01	1	415		M	M	M	0.	0.	0.	230501	230508	AE66434	FCOND25	241329000
03232	255	00400	230508	01	1	8.4		M	M	M	0.1	0.1	0.1	230501	230508	AE66434	FieldPH	241329000
03232	255	00915	230508	01	1	15.3		M	M	M	0.0762	0.254	0.254	230501	230602	AE66434	EPA 200.7	405132750
03232	255	00925	230508	01	1	6.3		M	M	M	0.0312	0.25	0.25	230501	230602	AE66434	EPA 200.7	405132750
03232	255	00930	230508	01	1	60.9		M	M	M	0.042	0.25	0.25	230501	230602	AE66434	EPA 200.7	405132750
03232	255	00935	230508	01	1	0.707	J	M	M	M	0.237	0.789	0.789	230501	230602	AE66434	EPA 200.7	405132750
03232	255	00941	230508	01	1	4.6	J	M	M	M	2.2	10.	10.	230501	230531	AE66434	EPA 300.0	405132750
03232	255	00946	230508	01	1	86.5		M	M	M	2.2	10.	10.	230501	230531	AE66434	EPA 300.0	405132750
03232	255	01020	230508	01	1	0.338		M	M	M	0.003	0.01	0.01	230501	230602	AE66434	EPA 200.7	405132750
03232	255	01060	230508	01	1	76.7		M	M	M	0.44	1.5	1.5	230501	230602	AE66434	EPA 200.7	405132750
03232	255	01145	230508	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66434	EPA 200.8	405132750
03232	255	04189	230508	01	1	695.29		M	M	M	0.	0.	0.	230501		AE66434	calculated	241329000
03232	255	22413	230508	01	1	64		M	M	M	0.32	1.7	1.7	230501	230606	AE66434	Std Mtd 2340B	405132750
03232	255	39036	230508	01	1	104		M	M	M	5.	10.	10.	230501	230517	AE66434	Std Mtd 2320B	405132750
03232	255	72002	230508	01	1	6.22		M	M	M	0.05	0.1667	0.1667	230501	230508	AE66434	H2OD	241329000
03232	280	00010	230509	01	1	12		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66425	TEMP	241329000
03232	280	00094	230509	01	1	740		M	M	M	0.	0.	0.	230501	230509	AE66425	FCOND25	241329000
03232	280	00400	230509	01	1	7.9		M	M	M	0.1	0.1	0.1	230501	230509	AE66425	FieldPH	241329000
03232	280	00410	230509	01	1	142		M	M	M	2.	6.	6.	230501	230518	AE66425	Std Mtd 2320B	241249360
03232	280	00630	230509	01	1		N	M	M	M	0.4	2.	2.	230501	230511	AE66425	EPA 300.0	241249360
03232	280	00900	230509	01	1	210		M	M	M	1.	3.333	3.333	230501	230530	AE66425	Std Mtd 2340B	241249360
03232	280	00916	230509	01	1	46.5		M	M	M	2.8	9.1	9.1	230501	230516	AE66425	EPA 200.7	241249360
03232	280	00927	230509	01	1	21.4		M	M	M	0.06	0.1	0.1	230501	230516	AE66425	EPA 200.7	241249360
03232	280	00940	230509	01	1	9.6		M	M	M	1.	3.4	3.4	230501	230511	AE66425	EPA 300.0	241249360
03232	280	00945	230509	01	1	196		M	M	M	2.	6.8	6.8	230501	230511	AE66425	EPA 300.0	241249360
03232	280	00951	230509	01	1	2.1	J	M	M	M	1.5	5.	5.	230501	230516	AE66425	EPA 300.0	241249360
03232	280	01022	230509	01	1	0.5		M	M	M	0.01	0.05	0.05	230501	230516	AE66425	EPA 200.7	241249360
03232	280	01042	230509	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66425	EPA 200.7	241249360
03232	280	01055	230509	01	1	130		M	M	M	4.	10.	10.	230501	230516	AE66425	EPA 200.7	241249360
03232	280	01077	230509	01	1		N	M	M	M	20.	70.	70.	230501	230522	AE66425	EPA 200.7	241249360
03232	280	01092	230509	01	1		N	M	M	M	60.	160.	160.	230501	230516	AE66425	EPA 200.7	241249360
03232	280	04189	230509	01	1	655.5		M	M	M	0.	0.	0.	230501		AE66425	calculated	241329000
03232	280	70295	230509	01	1	458		M	M	M	10.	10.	10.	230501	230516	AE66425	Std Mtd 2540 C	241249360
03232	280	72002	230509	01	1	43.21		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66425	H2OD	241329000
03232	282	00010	230509	01	1	11		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66427	TEMP	241329000
03232	282	00094	230509	01	1	343		M	M	M	0.	0.	0.	230501	230509	AE66427	FCOND25	241329000
03232	282	00400	230509	01	1	8.5		M	M	M	0.1	0.1	0.1	230501	230509	AE66427	FieldPH	241329000
03232	282	00410	230509	01	1	132		M	M	M	2.	6.	6.	230501	230518	AE66427	Std Mtd 2320B	241249360
03232	282	00630	230509	01	1		N	M	M	M	0.4	2.	2.	230501	230511	AE66427	EPA 300.0	241249360
03232	282	00900	230509	01	1	88		M	M	M	1.	3.333	3.333	230501	230530	AE66427	Std Mtd 2340B	241249360
03232	282	00916	230509	01	1	17.4		M	M	M	0.6	1.8	1.8	230501	230516	AE66427	EPA 200.7	241249360
03232	282	00927	230509	01	1	10.1		M	M	M	0.06	0.1	0.1	230501	230516	AE66427	EPA 200.7	241249360
03232	282	00940	230509	01	1	3.8		M	M	M	1.	3.4	3.4	230501	230511	AE66427	EPA 300.0	241249360
03232	282	00945	230509	01	1	30.9		M	M	M	2.	6.8	6.8	230501	230511	AE66427	EPA 300.0	241249360
03232	282	00951	230509	01	1	1.9	J	M	M	M	1.5	5.	5.	230501	230516	AE66427	EPA 300.0	241249360
03232	282	01022	230509	01	1	0.42		M	M	M	0.01	0.05	0.05	230501	230516	AE66427	EPA 200.7	241249360
03232	282	01042	230509	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66427	EPA 200.7	241249360
03232	282	01055	230509	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66427	EPA 200.7	241249360
03232	282	01077	230509	01	1		N	M	M	M	1.2	4.	4.	230501	230522	AE66427	EPA 200.7	241249360
03232	282	01092	230509	01	1		N	M	M	M	1.8	6.	6.	230501	230516	AE66427	EPA 200.7	241249360
03232	282	04189	230509	01	1	650.66		M	M	M	0.	0.	0.	230501		AE66427	calculated	241329000
03232	282	70295	230509	01	1	206		M	M	M	10.	10.	10.	230501	230516	AE66427	Std Mtd 2540 C	241249360
03232	282	72002	230509	01	1	57.21		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66427	H2OD	241329000
03232	284	00010	230509	01	1	14		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66428	TEMP	241329000

03232	284	00094	230509	01	1	341		M	M	M	0.	0.	0.	230501	230509	AE66428	FCOND25	241329000
03232	284	00400	230509	01	1	8.2		M	M	M	0.1	0.1	0.1	230501	230509	AE66428	FieldPH	241329000
03232	284	00410	230509	01	1	126		M	M	M	2.	6.	6.	230501	230518	AE66428	Std Mtd 2320B	241249360
03232	284	00410	230509	02	1	128		M	M	M	2.	6.	6.	230501	230518	AE66429	Std Mtd 2320B	241249360
03232	284	00630	230509	01	1		N	M	M	M	0.4	2.	2.	230501	230511	AE66428	EPA 300.0	241249360
03232	284	00630	230509	02	1		N	M	M	M	0.4	2.	2.	230501	230511	AE66429	EPA 300.0	241249360
03232	284	00900	230509	01	1	84		M	M	M	1.	3.333	3.333	230501	230531	AE66428	Std Mtd 2340B	241249360
03232	284	00900	230509	02	1	85		M	M	M	1.	3.333	3.333	230501	230531	AE66429	Std Mtd 2340B	241249360
03232	284	00915	230509	02	1	23.4		M	M	M	0.0762	0.254	0.254	230501	230602	AE66454	EPA 200.7	405132750
03232	284	00916	230509	01	1	20.4		M	M	M	0.6	1.8	1.8	230501	230516	AE66428	EPA 200.7	241249360
03232	284	00916	230509	02	1	19.6		M	M	M	0.6	1.8	1.8	230501	230516	AE66429	EPA 200.7	241249360
03232	284	00925	230509	02	1	8.8		M	M	M	0.0312	0.25	0.25	230501	230602	AE66454	EPA 200.7	405132750
03232	284	00927	230509	01	1	8.2		M	M	M	0.06	0.1	0.1	230501	230516	AE66428	EPA 200.7	241249360
03232	284	00927	230509	02	1	8		M	M	M	0.06	0.1	0.1	230501	230516	AE66429	EPA 200.7	241249360
03232	284	00930	230509	02	1	58.5		M	M	M	0.042	0.25	0.25	230501	230602	AE66454	EPA 200.7	405132750
03232	284	00935	230509	02	1	0.972		M	M	M	0.237	0.789	0.789	230501	230602	AE66454	EPA 200.7	405132750
03232	284	00940	230509	01	1	4.1		M	M	M	1.	3.4	3.4	230501	230511	AE66428	EPA 300.0	241249360
03232	284	00940	230509	02	1	4.2		M	M	M	1.	3.4	3.4	230501	230511	AE66429	EPA 300.0	241249360
03232	284	00941	230509	02	1	6.7	J	M	M	M	2.2	10.	10.	230501	230531	AE66454	EPA 300.0	405132750
03232	284	00945	230509	01	1	39.8		M	M	M	2.	6.8	6.8	230501	230511	AE66428	EPA 300.0	241249360
03232	284	00945	230509	02	1	39.4		M	M	M	2.	6.8	6.8	230501	230511	AE66429	EPA 300.0	241249360
03232	284	00946	230509	02	1	113		M	M	M	2.2	10.	10.	230501	230531	AE66454	EPA 300.0	405132750
03232	284	00951	230509	01	1	2.1	J	M	M	M	1.5	5.	5.	230501	230516	AE66428	EPA 300.0	241249360
03232	284	00951	230509	02	1	1.9	J	M	M	M	1.5	5.	5.	230501	230516	AE66429	EPA 300.0	241249360
03232	284	01020	230509	02	1	0.457		M	M	M	0.0303	0.1	0.1	230501	230602	AE66454	EPA 200.7	405132750
03232	284	01022	230509	01	1	0.43		M	M	M	0.01	0.05	0.05	230501	230516	AE66428	EPA 200.7	241249360
03232	284	01022	230509	02	1	0.43		M	M	M	0.01	0.05	0.05	230501	230516	AE66429	EPA 200.7	241249360
03232	284	01042	230509	01	1	5	J	M	M	M	4.	10.	10.	230501	230516	AE66428	EPA 200.7	241249360
03232	284	01042	230509	02	1		N	M	M	M	4.	10.	10.	230501	230516	AE66429	EPA 200.7	241249360
03232	284	01055	230509	01	1	10		M	M	M	4.	10.	10.	230501	230516	AE66428	EPA 200.7	241249360
03232	284	01055	230509	02	1	20		M	M	M	4.	10.	10.	230501	230516	AE66429	EPA 200.7	241249360
03232	284	01060	230509	02	1	54.2		M	M	M	0.44	1.5	1.5	230501	230602	AE66454	EPA 200.7	405132750
03232	284	01077	230509	01	1		N	M	M	M	20.	70.	70.	230501	230522	AE66428	EPA 200.7	241249360
03232	284	01077	230509	02	1		N	M	M	M	20.	70.	70.	230501	230522	AE66429	EPA 200.7	241249360
03232	284	01092	230509	01	1		N	M	M	M	60.	160.	160.	230501	230516	AE66428	EPA 200.7	241249360
03232	284	01092	230509	02	1		N	M	M	M	60.	160.	160.	230501	230516	AE66429	EPA 200.7	241249360
03232	284	01145	230509	02	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66454	EPA 200.8	405132750
03232	284	04189	230509	01	1	654.76		M	M	M	0.	0.	0.	230501		AE66428	calculated	241329000
03232	284	22413	230509	02	1	94.6		M	M	M	0.32	1.7	1.7	230501	230606	AE66454	Std Mtd 2340B	405132750
03232	284	39036	230509	02	1	113		M	M	M	5.	10.	10.	230501	230518	AE66454	Std Mtd 2320B	405132750
03232	284	70295	230509	01	1	202		M	M	M	10.	10.	10.	230501	230516	AE66428	Std Mtd 2540 C	241249360
03232	284	70295	230509	02	1	200		M	M	M	10.	10.	10.	230501	230516	AE66429	Std Mtd 2540 C	241249360
03232	284	72002	230509	01	1	48.91		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66428	H2OD	241329000
03232	286	00010	230509	01	1	11		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66430	TEMP	241329000
03232	286	00094	230509	01	1	373		M	M	M	0.	0.	0.	230501	230509	AE66430	FCOND25	241329000
03232	286	00400	230509	01	1	7.8		M	M	M	0.1	0.1	0.1	230501	230509	AE66430	FieldPH	241329000
03232	286	00410	230509	01	1	154		M	M	M	2.	6.	6.	230501	230518	AE66430	Std Mtd 2320B	241249360
03232	286	00630	230509	01	1		N	M	M	M	0.4	2.	2.	230501	230511	AE66430	EPA 300.0	241249360
03232	286	00900	230509	01	1	130		M	M	M	1.	3.333	3.333	230501	230531	AE66430	Std Mtd 2340B	241249360
03232	286	00916	230509	01	1	24.5		M	M	M	0.6	1.8	1.8	230501	230516	AE66430	EPA 200.7	241249360
03232	286	00927	230509	01	1	14.7		M	M	M	0.06	0.1	0.1	230501	230516	AE66430	EPA 200.7	241249360
03232	286	00940	230509	01	1	5.9		M	M	M	1.	3.4	3.4	230501	230511	AE66430	EPA 300.0	241249360
03232	286	00945	230509	01	1	32		M	M	M	2.	6.8	6.8	230501	230511	AE66430	EPA 300.0	241249360
03232	286	00951	230509	01	1	1.7	J	M	M	M	1.5	5.	5.	230501	230516	AE66430	EPA 300.0	241249360
03232	286	01022	230509	01	1	0.38		M	M	M	0.01	0.05	0.05	230501	230518	AE66430	EPA 200.7	241249360
03232	286	01042	230509	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66430	EPA 200.7	241249360
03232	286	01055	230509	01	1	40		M	M	M	4.	10.	10.	230501	230516	AE66430	EPA 200.7	241249360
03232	286	01077	230509	01	1		N	M	M	M	20.	70.	70.	230501	230522	AE66430	EPA 200.7	241249360
03232	286	01092	230509	01	1		N	M	M	M	60.	160.	160.	230501	230516	AE66430	EPA 200.7	241249360
03232	286	04189	230509	01	1	656.11		M	M	M	0.	0.	0.	230501		AE66430	calculated	241329000
03232	286	70295	230509	01	1	214		M	M	M	10.	10.	10.	230501	230516	AE66430	Std Mtd 2540 C	241249360
03232	286	72002	230509	01	1	45.71		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66430	H2OD	241329000
03232	288	00010	230510	01	1	11		M	M	M	0.1	0.3333	0.3333	230501	230510	AE66463	TEMP	241329000
03232	288	00094	230510	01	1	372		M	M	M	0.	0.	0.	230501	230510	AE66463	FCOND25	241329000
03232	288	00400	230510	01	1	8.3		M	M	M	0.1	0.1	0.1	230501	230510	AE66463	FieldPH	241329000
03232	288	00410	230510	01	1	222		M	M	M	2.	6.	6.	230501	230518	AE66463	Std Mtd 2320B	241249360
03232	288	00630	230510	01	1		N	M	M	M	2.2	7.2	7.2	230501	230517	AE66463	EPA 353.2	241249360
03232	288	00900	230510	01	1	140		M	M	M	1.	3.333	3.333	230501	230531	AE66463	Std Mtd 2340B	241249360
03232	288	00916	230510	01	1	25.7		M	M	M	0.6	1.8	1.8	230501	230516	AE66463	EPA 200.7	241249360
03232	288	00927	230510	01	1	17.3		M	M	M	0.06	0.1	0.1	230501	230516	AE66463	EPA 200.7	241249360
03232	288	00940	230510	01	1		N	M	M	M	10.	34.	34.	230501	230513	AE66463	EPA 300.0	241249360
03232	288	00945	230510	01	1		N	M	M	M	20.	68.	68.	230501	230513	AE66463	EPA 300.0	241249360
03232	288	00951	230510	01	1	1.1	J	M	M	M	0.6	2.	2.	230501	230517	AE66463	EPA 300.0	241249360

03232	288	01022	230510	01	1	0.38		M	M	M	0.01	0.05	0.05	230501	230516	AE66463	EPA 200.7	241249360
03232	288	01042	230510	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66463	EPA 200.7	241249360
03232	288	01055	230510	01	1	9	J	M	M	M	4.	10.	10.	230501	230516	AE66463	EPA 200.7	241249360
03232	288	01077	230510	01	1		N	M	M	M	20.	70.	70.	230501	230522	AE66463	EPA 200.7	241249360
03232	288	01092	230510	01	1		N	M	M	M	60.	160.	160.	230501	230516	AE66463	EPA 200.7	241249360
03232	288	04189	230510	01	1	657.97		M	M	M	0.	0.	0.	230501		AE66463	calculated	241329000
03232	288	70295	230510	01	1	226		M	M	M	10.	10.	10.	230501	230516	AE66463	Std Mtd 2540 C	241249360
03232	288	72002	230510	01	1	58.39		M	M	M	0.05	0.1667	0.1667	230501	230510	AE66463	H2OD	241329000
03232	290	00010	230510	01	1	12		M	M	M	0.1	0.3333	0.3333	230501	230510	AE66464	TEMP	241329000
03232	290	00094	230510	01	1	350		M	M	M	0.	0.	0.	230501	230510	AE66464	FCOND25	241329000
03232	290	00400	230510	01	1	8.4		M	M	M	0.1	0.1	0.1	230501	230510	AE66464	FieldPH	241329000
03232	290	00410	230510	01	1	112		M	M	M	2.	6.	6.	230501	230518	AE66464	Std Mtd 2320B	241249360
03232	290	00630	230510	01	1		N	M	M	M	2.2	7.2	7.2	230501	230517	AE66464	EPA 353.2	241249360
03232	290	00900	230510	01	1	65		M	M	M	1.	3.333	3.333	230501	230531	AE66464	Std Mtd 2340B	241249360
03232	290	00916	230510	01	1	15.3		M	M	M	0.6	1.8	1.8	230501	230516	AE66464	EPA 200.7	241249360
03232	290	00927	230510	01	1	0.0068	J	M	M	M	0.06	0.1	0.1	230501	230516	AE66464	EPA 200.7	241249360
03232	290	00940	230510	01	1	10.2	J	M	M	M	10.	34.	34.	230501	230513	AE66464	EPA 300.0	241249360
03232	290	00945	230510	01	1	58.5	J	M	M	M	20.	68.	68.	230501	230513	AE66464	EPA 300.0	241249360
03232	290	00951	230510	01	1	1.6	J	M	M	M	0.6	2.	2.	230501	230517	AE66464	EPA 300.0	241249360
03232	290	01002	230510	01	1		N	M	M	M	40.	130.	130.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01007	230510	01	1	14	J	M	M	M	12.	40.	40.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01012	230510	01	1		N	M	M	M	6.	20.	20.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01022	230510	01	1	0.45		M	M	M	0.01	0.05	0.05	230501	230516	AE66464	EPA 200.7	241249360
03232	290	01027	230510	01	1		N	M	M	M	4.	13.	13.	230501	230516	AE66464	EPA 200.7	241249360
03232	290	01034	230510	01	1		N	M	M	M	6.	20.	20.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01037	230510	01	1		N	M	M	M	6.	20.	20.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01042	230510	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66464	EPA 200.7	241249360
03232	290	01051	230510	01	1		N	M	M	M	40.	130.	130.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01055	230510	01	1	10		M	M	M	4.	10.	10.	230501	230516	AE66464	EPA 200.7	241249360
03232	290	01059	230510	01	1		N	M	M	M	0.08	0.27	0.27	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01062	230510	01	1	40		M	M	M	10.	30.	30.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01077	230510	01	1		N	M	M	M	20.	70.	70.	230501	230522	AE66464	EPA 200.7	241249360
03232	290	01092	230510	01	1		N	M	M	M	60.	160.	160.	230501	230516	AE66464	EPA 200.7	241249360
03232	290	01097	230510	01	1		N	M	M	M	40.	110.	110.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01132	230510	01	1		N	M	M	M	40.	130.	130.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	01147	230510	01	1		N	M	M	M	80.	270.	270.	230501	230524	AE66464	EPA 200.7	241249360
03232	290	04189	230510	01	1	655.63		M	M	M	0.	0.	0.	230501		AE66464	calculated	241329000
03232	290	70295	230510	01	1	206		M	M	M	10.	10.	10.	230501	230516	AE66464	Std Mtd 2540 C	241249360
03232	290	71900	230510	01	1		N	M	M	M	0.0012	0.0012	0.0012	230501	230516	AE66464	EPA 245.7	241329000
03232	290	72002	230510	01	1	62.41		M	M	M	0.05	0.1667	0.1667	230501	230510	AE66464	H2OD	241329000
03232	292	00010	230509	01	1	11		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66426	TEMP	241329000
03232	292	00094	230509	01	1	470		M	M	M	0.	0.	0.	230501	230509	AE66426	FCOND25	241329000
03232	292	00400	230509	01	1	7.9		M	M	M	0.1	0.1	0.1	230501	230509	AE66426	FieldPH	241329000
03232	292	00410	230509	01	1	144		M	M	M	2.	6.	6.	230501	230518	AE66426	Std Mtd 2320B	241249360
03232	292	00630	230509	01	1	1.51		M	M	M	0.2	0.68	0.68	230501	230511	AE66426	EPA 300.0	241249360
03232	292	00900	230509	01	1	110		M	M	M	1.	3.333	3.333	230501	230530	AE66426	Std Mtd 2340B	241249360
03232	292	00916	230509	01	1	26.9		M	M	M	0.6	1.8	1.8	230501	230516	AE66426	EPA 200.7	241249360
03232	292	00927	230509	01	1	10.3		M	M	M	0.06	0.1	0.1	230501	230516	AE66426	EPA 200.7	241249360
03232	292	00940	230509	01	1	5.6		M	M	M	1.	3.4	3.4	230501	230511	AE66426	EPA 300.0	241249360
03232	292	00945	230509	01	1	75.4		M	M	M	2.	6.8	6.8	230501	230511	AE66426	EPA 300.0	241249360
03232	292	00951	230509	01	1	1.7	J	M	M	M	1.5	5.	5.	230501	230516	AE66426	EPA 300.0	241249360
03232	292	01002	230509	01	1		N	M	M	M	40.	130.	130.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01007	230509	01	1	25	J	M	M	M	12.	40.	40.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01012	230509	01	1		N	M	M	M	6.	20.	20.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01022	230509	01	1	0.55		M	M	M	0.01	0.05	0.05	230501	230518	AE66426	EPA 200.7	241249360
03232	292	01027	230509	01	1		N	M	M	M	4.	13.	13.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01034	230509	01	1		N	M	M	M	6.	20.	20.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01037	230509	01	1		N	M	M	M	6.	20.	20.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01042	230509	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01051	230509	01	1		N	M	M	M	40.	130.	130.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01055	230509	01	1	30		M	M	M	4.	10.	10.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01059	230509	01	1		N	M	M	M	80.	270.	270.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01062	230509	01	1	40		M	M	M	10.	30.	30.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01077	230509	01	1		N	M	M	M	20.	70.	70.	230501	230522	AE66426	EPA 200.7	241249360
03232	292	01092	230509	01	1		N	M	M	M	60.	160.	160.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01097	230509	01	1		N	M	M	M	40.	110.	110.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01132	230509	01	1		N	M	M	M	40.	130.	130.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	01147	230509	01	1		N	M	M	M	80.	270.	270.	230501	230516	AE66426	EPA 200.7	241249360
03232	292	04189	230509	01	1	656.06		M	M	M	0.	0.	0.	230501		AE66426	calculated	241329000
03232	292	70295	230509	01	1	276		M	M	M	10.	10.	10.	230501	230516	AE66426	Std Mtd 2540 C	241249360
03232	292	71900	230509	01	1		N	M	M	M	0.0012	0.0012	0.0012	230501	230516	AE66426	EPA 245.7	241249360
03232	292	72002	230509	01	1	39.14		M	M	M	0.05	0.1667	0.1667	230501	230509	AE66426	H2OD	241329000
03232	300	00010	230509	01	1	14		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66453	TEMP	241329000

03232	300	00032	221130	01	1	1125		M	M	M	1.	1.	1.	221101	221130	0	field	241329000
03232	300	00032	221231	01	1	832		M	M	M	1.	1.	1.	221201	221231	0	field	241329000
03232	300	00032	230131	01	1	872		M	M	M	1.	1.	1.	230101	230131	0	field	241329000
03232	300	00032	230228	01	1	856		M	M	M	1.	1.	1.	230201	230228	0	field	241329000
03232	300	00032	230331	01	1	1602		M	M	M	1.	1.	1.	230301	230331	0	field	241329000
03232	300	00032	230430	01	1	1730		M	M	M	1.	1.	1.	230401	230430	0	field	241329000
03232	300	00032	230531	01	1	1660		M	M	M	1.	1.	1.	230501	230531	0	field	241329000
03232	300	00094	230509	01	1	2596		M	M	M	0.	0.	0.	230501	230509	AE66453	FCOND25	241329000
03232	300	00150	230509	01	1	2	J	M	M	M	1.	3.	3.	230501	230512	AE66453	Std Mtd 2540 D	241329000
03232	300	00310	230509	01	1		N	M	M	M	2.	6.	6.	230501	230530	AE66453	Std Mtd 5210B	241249360
03232	300	00340	230509	01	1	27	J	M	M	M	20.	68.	68.	230501	230530	AE66453	EPA 410.4	241249360
03232	300	00400	230509	01	1	7.6		M	M	M	0.1	0.1	0.1	230501	230509	AE66453	FieldPH	241329000
03232	300	00410	230509	01	1	86		M	M	M	2.	6.	6.	230501	230530	AE66453	Std Mtd 2320B	405132750
03232	300	00900	230509	01	1	1000		M	M	M	1.	3.333	3.333	230501	230530	AE66453	Std Mtd 2340B	241249360
03232	300	00940	230509	01	1	140		M	M	M	10.	34.	34.	230501	230530	AE66453	EPA 300.0	241249360
03232	300	00945	230509	01	1	1300		M	M	M	20.	68.	68.	230501	230530	AE66453	EPA 300.0	241249360
03232	300	01022	230509	01	1	14.2		M	M	M	0.01	0.05	0.05	230501	230530	AE66453	EPA 200.7	241249360
03232	300	01027	230509	01	1		N	M	M	M	4.	13.	13.	230501	230530	AE66453	EPA 200.7	241249360
03232	300	01051	230509	01	1		N	M	M	M	40.	130.	130.	230501	230530	AE66453	EPA 200.7	241249360
03232	300	01055	230509	01	1		N	M	M	M	4.	10.	10.	230501	230530	AE66453	EPA 200.7	241249360
03232	300	01062	230509	01	1	1400		M	M	M	10.	30.	30.	230501	230530	AE66453	EPA 200.7	241249360
03232	300	01147	230509	01	1	80	J	M	M	M	80.	270.	270.	230501	230530	AE66453	EPA 200.8	241249360
03232	300	34200	230509	01	1		N	M	M	M	0.127	0.584	0.584	230501	230616	AE66453	E625.1	241249360
03232	300	34205	230509	01	1		N	M	M	M	0.101	0.584	0.584	230501	230615	AE66453	E625.1	241249360
03232	300	34220	230509	01	1		N	M	M	M	0.109	0.584	0.584	230501	230618	AE66453	E625.1	241249360
03232	300	34230	230509	01	1		N	M	M	M	0.362	1.95	1.95	230501	230621	AE66453	E625.1	241249360
03232	300	34242	230509	01	1		N	M	M	M	0.242	1.95	1.95	230501	230623	AE66453	E625.1	241249360
03232	300	34247	230509	01	1		N	M	M	M	0.366	1.95	1.95	230501	230620	AE66453	E625.1	241249360
03232	300	34273	230509	01	1		N	M	M	M	0.171	0.973	0.973	230501	230626	AE66453	E625.1	241249360
03232	300	34278	230509	01	1		N	M	M	M	0.132	0.973	0.973	230501	230625	AE66453	E625.1	241249360
03232	300	34292	230509	01	1		N	M	M	M	0.228	0.973	0.973	230501	230629	AE66453	E625.1	241249360
03232	300	34320	230509	01	1		N	M	M	M	0.123	0.584	0.584	230501	230630	AE66453	E625.1	241249360
03232	300	34336	230509	01	1		N	M	M	M	1.13	5.84	5.84	230501	230703	AE66453	E625.1	241249360
03232	300	34341	230509	01	1		N	M	M	M	0.0859	0.584	0.584	230501	230704	AE66453	E625.1	241249360
03232	300	34376	230509	01	1		N	M	M	M	0.191	0.973	0.973	230501	230708	AE66453	E625.1	241249360
03232	300	34381	230509	01	1		N	M	M	M	0.12	0.584	0.584	230501	230709	AE66453	E625.1	241249360
03232	300	34386	230509	01	1		N	M	M	M	2.13	14.6	14.6	230501	230712	AE66453	E625.1	241249360
03232	300	34391	230509	01	1		N	M	M	M	0.243	0.973	0.973	230501	230711	AE66453	E625.1	241249360
03232	300	34396	230509	01	1		N	M	M	M	0.214	0.973	0.973	230501	230713	AE66453	E625.1	241249360
03232	300	34403	230509	01	1		N	M	M	M	0.489	1.95	1.95	230501	230714	AE66453	E625.1	241249360
03232	300	34408	230509	01	1		N	M	M	M	0.107	0.584	0.584	230501	230715	AE66453	E625.1	241249360
03232	300	34428	230509	01	1		N	M	M	M	0.31	1.95	1.95	230501	230719	AE66453	E625.1	241249360
03232	300	34438	230509	01	1		N	M	M	M	0.152	0.973	0.973	230501	230718	AE66453	E625.1	241249360
03232	300	34447	230509	01	1		N	M	M	M	0.136	0.584	0.584	230501	230717	AE66453	E625.1	241249360
03232	300	34452	230509	01	1		N	M	M	M	0.0694	0.487	0.487	230501	230611	AE66453	E625.1	241249360
03232	300	34461	230509	01	1		N	M	M	M	0.201	0.973	0.973	230501	230721	AE66453	E625.1	241249360
03232	300	34469	230509	01	1		N	M	M	M	0.202	0.973	0.973	230501	230723	AE66453	E625.1	241249360
03232	300	34521	230509	01	1		N	M	M	M	0.389	1.95	1.95	230501	230622	AE66453	E625.1	241249360
03232	300	34526	230509	01	1		N	M	M	M	0.12	0.584	0.584	230501	230619	AE66453	E625.1	241249360
03232	300	34536	230509	01	1		N	M	M	M	0.292	1.95	1.95	230501	230518	AE66453	E625.1	241249360
03232	300	34551	230509	01	1		N	M	M	M	0.273	1.95	1.95	230501	230517	AE66453	E625.1	241249360
03232	300	34556	230509	01	1		N	M	M	M	0.43	1.95	1.95	230501	230701	AE66453	E625.1	241249360
03232	300	34566	230509	01	1		N	M	M	M	0.302	1.95	1.95	230501	230519	AE66453	E625.1	241249360
03232	300	34571	230509	01	1		N	M	M	M	0.273	1.95	1.95	230501	230520	AE66453	E625.1	241249360
03232	300	34581	230509	01	1		N	M	M	M	0.103	0.584	0.584	230501	230531	AE66453	E625.1	241249360
03232	300	34586	230509	01	1		N	M	M	M	0.149	0.973	0.973	230501	230601	AE66453	E625.1	241249360
03232	300	34591	230509	01	1		N	M	M	M	0.204	0.973	0.973	230501	230605	AE66453	E625.1	241249360
03232	300	34596	230509	01	1		N	M	M	M	1.84	9.73	9.73	230501	230706	AE66453	E625.1	241249360
03232	300	34601	230509	01	1		N	M	M	M	0.0767	0.973	0.973	230501	230525	AE66453	E625.1	241249360
03232	300	34606	230509	01	1		N	M	M	M	0.114	1.95	1.95	230501	230526	AE66453	E625.1	241249360
03232	300	34611	230509	01	1		N	M	M	M	0.245	1.95	1.95	230501	230528	AE66453	E625.1	241249360
03232	300	34616	230509	01	1		N	M	M	M	3.22	29.2	29.2	230501	230527	AE66453	E625.1	241249360
03232	300	34621	230509	01	1		N	M	M	M	0.237	0.973	0.973	230501	230524	AE66453	E625.1	241249360
03232	300	34626	230509	01	1		N	M	M	M	0.224	0.973	0.973	230501	230530	AE66453	E625.1	241249360
03232	300	34631	230509	01	1		N	M	M	M	3.08	19.5	19.5	230501	230607	AE66453	E625.1	241249360
03232	300	34636	230509	01	1		N	M	M	M	0.156	0.973	0.973	230501	230610	AE66453	E625.1	241249360
03232	300	34641	230509	01	1		N	M	M	M	0.142	0.973	0.973	230501	230612	AE66453	E625.1	241249360
03232	300	34646	230509	01	1		N	M	M	M	1.4	14.6	14.6	230501	230614	AE66453	E625.1	241249360
03232	300	34694	230509	01	1		N	M	M	M	0.166	0.973	0.973	230501	230722	AE66453	E625.1	241249360
03232	300	34696	230509	01	1		N	M	M	M	0.794	3.89	3.89	230501	230716	AE66453	E625.1	241249360
03232	300	39032	230509	01	1		N	M	M	M	2.45	29.2	29.2	230501	230720	AE66453	E625.1	241249360
03232	300	39100	230509	01	1		N	M	M	M	3.53	19.5	19.5	230501	230628	AE66453	E625.1	241249360
03232	300	39110	230509	01	1		N	M	M	M	2.8	9.73	9.73	230501	230705	AE66453	E625.1	241249360

03232	300	39700	230509	01	1		N	M	M	M	0.161	0.973	0.973	230501	230710	AE66453	E625.1	241249360
03232	300	71900	230509	01	1	0.00211		M	M	M	0.0012	0.0012	0.0012	230501	230516	AE66453	EPA 245.7	241329000
03232	300	73522	230509	01	1		N	M	M	M	0.125	0.973	0.973	230501	230627	AE66453	E625.1	241249360
03232	300	73605	230509	01	1		N	M	M	M	3.67	29.2	29.2	230501	230613	AE66453	E625.1	241249360
03232	300	74010	230509	01	1	0.1	J	M	M	M	0.1	0.33	0.33	230501	230530	AE66453	EPA 200.7	241249360
03232	300	77045	230509	01	1		N	M	M	M	1.77	9.73	9.73	230501	230724	AE66453	E625.1	241249360
03232	300	77147	230509	01	1		N	M	M	M	0.535	3.89	3.89	230501	230624	AE66453	E625.1	241249360
03232	300	77152	230509	01	1		N	M	M	M	0.178	0.973	0.973	230501	230603	AE66453	E625.1	241249360
03232	300	77416	230509	01	1		N	M	M	M	0.623	3.89	3.89	230501	230602	AE66453	E625.1	241249360
03232	300	77579	230509	01	1		N	M	M	M	0.113	0.584	0.584	230501	230707	AE66453	E625.1	241249360
03232	300	77687	230509	01	1		N	M	M	M	0.126	0.973	0.973	230501	230523	AE66453	E625.1	241249360
03232	300	77770	230509	01	1		N	M	M	M	2.26	14.6	14.6	230501	230522	AE66453	E625.1	241249360
03232	300	78142	230509	01	1		N	M	M	M	2.49	29.2	29.2	230501	230604	AE66453	E625.1	241249360
03232	300	78300	230509	01	1		N	M	M	M	0.35	1.95	1.95	230501	230608	AE66453	E625.1	241249360
03232	300	79533	230509	01	1		N	M	M	M	2.39	14.6	14.6	230501	230609	AE66453	E625.1	241249360
03232	300	81302	230509	01	1		N	M	M	M	0.119	0.584	0.584	230501	230702	AE66453	E625.1	241249360
03232	300	81553	230509	01	1		N	M	M	M	2.16	9.73	9.73	230501	230617	AE66453	E625.1	241249360
03232	300	81696	230509	01	1		N	M	M	M	0.526	3.89	3.89	230501	230521	AE66453	E625.1	241249360
03232	400	00010	230509	01	1	13.4		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66452	TEMP	241329000
03232	400	00094	230509	01	1	572		M	M	M	0.	0.	0.	230501	230509	AE66452	FCOND25	241329000
03232	400	00150	230509	01	1	1	J	M	M	M	1.	3.	3.	230501	230512	AE66452	Std Mtd 2540 D	241329000
03232	400	00400	230509	01	1	8.5		M	M	M	0.1	0.1	0.1	230501	230509	AE66452	FieldPH	241329000
03232	997	00010	230509	01	1	11.2		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66457	TEMP	241329000
03232	997	00010	230509	01	1	18		M	M	M	0.1	0.3333	0.3333	230501	230509	AE66431	TEMP	241329000
03232	997	00010	230509	01	1	21.6		M	M	M	0.1	0.3333	0.3333	230501	230508	AE66458	TEMP	241329000
03232	997	00094	230509	01	1	11.9		M	M	M	0.	0.	0.	230501	230508	AE66457	FCOND25	241329000
03232	997	00094	230509	01	1	21		M	M	M	0.	0.	0.	230501	230509	AE66431	FCOND25	241329000
03232	997	00094	230509	01	1	9		M	M	M	0.	0.	0.	230501	230508	AE66458	FCOND25	241329000
03232	997	00400	230509	01	1	8.2		M	M	M	0.1	0.1	0.1	230501	230509	AE66431	FieldPH	241329000
03232	997	00400	230509	01	1	9		M	M	M	0.1	0.1	0.1	230501	230508	AE66458	FieldPH	241329000
03232	997	00400	230509	01	1	9.4		M	M	M	0.1	0.1	0.1	230501	230508	AE66457	FieldPH	241329000
03232	997	00410	230509	01	1	10		M	M	M	2.	6.	6.	230501	230518	AE66431	Std Mtd 2320B	241249360
03232	997	00630	230509	01	1	1.19	J	M	M	M	0.4	2.	2.	230501	230511	AE66431	EPA 300.0	241249360
03232	997	00900	230509	01	1	9.1		M	M	M	1.	3.333	3.333	230501	230531	AE66431	Std Mtd 2340B	241249360
03232	997	00915	230509	01	1	0.0821	J	M	M	M	0.0762	0.254	0.254	230501	230602	AE66458	EPA 200.7	405132750
03232	997	00915	230509	01	1	1.25		M	M	M	0.0762	0.254	0.254	230501	230602	AE66457	EPA 200.7	405132750
03232	997	00916	230509	01	1	1.9		M	M	M	0.6	1.8	1.8	230501	230516	AE66431	EPA 200.7	241249360
03232	997	00925	230509	01	1		N	M	M	M	0.0312	0.25	0.25	230501	230602	AE66458	EPA 200.7	405132750
03232	997	00925	230509	01	1	0.756		M	M	M	0.0312	0.25	0.25	230501	230602	AE66457	EPA 200.7	405132750
03232	997	00927	230509	01	1	1		M	M	M	0.06	0.1	0.1	230501	230516	AE66431	EPA 200.7	241249360
03232	997	00930	230509	01	1		N	M	M	M	0.042	0.25	0.25	230501	230602	AE66457	EPA 200.7	405132750
03232	997	00930	230509	01	1		N	M	M	M	0.042	0.25	0.25	230501	230602	AE66458	EPA 200.7	405132750
03232	997	00935	230509	01	1		N	M	M	M	0.237	0.789	0.789	230501	230602	AE66457	EPA 200.7	405132750
03232	997	00935	230509	01	1		N	M	M	M	0.237	0.789	0.789	230501	230602	AE66458	EPA 200.7	405132750
03232	997	00940	230509	01	1		N	M	M	M	1.	3.4	3.4	230501	230511	AE66431	EPA 300.0	241249360
03232	997	00941	230509	01	1		N	M	M	M	0.43	2.	2.	230501	230531	AE66457	EPA 300.0	405132750
03232	997	00941	230509	01	1	3.2	J	M	M	M	2.2	10.	10.	230501	230530	AE66458	EPA 300.0	405132750
03232	997	00945	230509	01	1		N	M	M	M	2.	6.8	6.8	230501	230511	AE66431	EPA 300.0	241249360
03232	997	00946	230509	01	1		N	M	M	M	0.44	2.	2.	230501	230601	AE66457	EPA 300.0	405132750
03232	997	00946	230509	01	1		N	M	M	M	2.2	10.	10.	230501	230530	AE66458	EPA 300.0	405132750
03232	997	00951	230509	01	1		N	M	M	M	1.5	5.	5.	230501	230516	AE66431	EPA 300.0	241249360
03232	997	01020	230509	01	1		N	M	M	M	0.003	0.01	0.01	230501	230602	AE66457	EPA 200.7	405132750
03232	997	01020	230509	01	1		N	M	M	M	0.003	0.01	0.01	230501	230602	AE66458	EPA 200.7	405132750
03232	997	01022	230509	01	1		N	M	M	M	0.01	0.05	0.05	230501	230516	AE66431	EPA 200.7	241249360
03232	997	01042	230509	01	1	10		M	M	M	4.	10.	10.	230501	230516	AE66431	EPA 200.7	241249360
03232	997	01055	230509	01	1		N	M	M	M	4.	10.	10.	230501	230516	AE66431	EPA 200.7	241249360
03232	997	01060	230509	01	1		N	M	M	M	0.44	1.5	1.5	230501	230602	AE66457	EPA 200.7	405132750
03232	997	01060	230509	01	1		N	M	M	M	0.44	1.5	1.5	230501	230602	AE66458	EPA 200.7	405132750
03232	997	01077	230509	01	1		N	M	M	M	20.	70.	70.	230501	230522	AE66431	EPA 200.7	241249360
03232	997	01092	230509	01	1		N	M	M	M	60.	160.	160.	230501	230516	AE66431	EPA 200.7	241249360
03232	997	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66457	EPA 200.8	405132750
03232	997	01145	230509	01	1		N	M	M	M	0.32	1.1	1.1	230501	230602	AE66458	EPA 200.8	405132750
03232	997	22413	230509	01	1		N	M	M	M	0.32	1.7	1.7	230501	230602	AE66458	Std Mtd 2340B	405132750
03232	997	22413	230509	01	1	6.2		M	M	M	0.32	1.7	1.7	230501	230606	AE66457	Std Mtd 2340B	405132750
03232	997	39036	230509	01	1		N	M	M	M	5.	10.	10.	230501	230518	AE66457	Std Mtd 2320B	405132750
03232	997	39036	230509	01	1		N	M	M	M	5.	10.	10.	230501	230518	AE66458	Std Mtd 2320B	405132750
03232	997	70295	230509	01	1		N	M	M	M	10.	10.	10.	230501	230516	AE66431	Std Mtd 2540 C	241249360

GEMS SUBMITTAL FOR JUNE-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
Caledonia Landfill

Dear Mr. Solomon:

December 12, 2023

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

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

Ref. 1940104079

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.:	#03232
Facility ID. No. (FID):	FID 252108450
Facility Name:	Caledonia Ash Landfill
Sample Result Month:	Historical Data Submittal 2015-2022, Baseline Sampling June-Nov 2023
CD Filename:	Dec23-03232_997.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:

- W08D, W09D, W10D, W46D, W48, W49, and W50

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 June 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,

Nathaniel Keller, PG
Senior Hydrogeologist

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

cc: Mr. Mark Peters – WDNR (via email)
Mr. 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
Caledonia Ash Landfill

License # / Monitoring ID	Facility ID (FID)
# 03232	252108450

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)
Historical 2015-2022, June-Nov 2023	Historical Data Submittal 2015-2022, Baseline Sampling June-Nov 2023

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

Nathaniel R Keller
Signature

12/12/2023
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 Cal	241329000
03232	280	11503	160216	01	1	0.3		M	M	M	0.	0.	0.	160201	160310	40128456003	Total Radium Cal	241329000
03232	280	11503	160511	01	1	1.15		M	M	M	1.29	4.2996	4.2996	160501	160610	40132272002	Total Radium Cal	241329000
03232	280	11503	160830	01	1	1.55		M	M	M	0.	0.	0.	160801	160926	40137606003	Total Radium Cal	241329000
03232	280	11503	161114	01	1	0.221		M	M	M	0.	0.	0.	161101	161206	40142064003	Total Radium Cal	241329000
03232	280	11503	170208	01	1	0.987		M	M	M	0.	0.	0.	170201	170303	40145548002	Total Radium Cal	241329000
03232	280	11503	170515	01	1	0.531		M	M	M	1.69	5.6328	5.6328	170501	170613	40150143005	Total Radium Cal	241329000
03232	280	11503	170822	01	1	1.21		M	M	M	1.43	4.7662	4.7662	170801	170918	40155549007	Total Radium Cal	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 Cal	241329000
03232	284	11503	160217	01	1	0.654		M	M	M	0.	0.	0.	160201	160310	40128456007	Total Radium Cal	241329000
03232	284	11503	160511	01	1	0.138		M	M	M	1.63	5.4328	5.4328	160501	160610	40132272005	Total Radium Cal	241329000
03232	284	11503	160830	01	1	1.26		M	M	M	0.	0.	0.	160801	160926	40137606005	Total Radium Cal	241329000
03232	284	11503	161114	01	1	0.394		M	M	M	0.	0.	0.	161101	161206	40142064005	Total Radium Cal	241329000
03232	284	11503	170208	01	1	0.345		M	M	M	0.	0.	0.	170201	170303	40145548005	Total Radium Cal	241329000
03232	284	11503	170515	01	1	0.172		M	M	M	1.48	4.9328	4.9328	170501	170613	40150143007	Total Radium Cal	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 Cal	241329000
03232	286	11503	160217	01	1	0.443		M	M	M	0.	0.	0.	160201	160310	40128456008	Total Radium Cal	241329000

03232	286	11503	160511	01	1	0.0665		M	M	M	1.7	5.6661	5.6661	160501	160610	40132272008	Total Radium Cal	241329000
03232	286	11503	160830	01	1	0.947		M	M	M	0.	0.	0.	160801	160926	40137606006	Total Radium Cal	241329000
03232	286	11503	161114	01	1	0.368		M	M	M	0.	0.	0.	161101	161206	40142064007	Total Radium Cal	241329000
03232	286	11503	170208	01	1	0.312		M	M	M	0.	0.	0.	170201	170303	40145548006	Total Radium Cal	241329000
03232	286	11503	170516	01	1	0.502		M	M	M	1.28	4.2662	4.2662	170501	170613	40150143010	Total Radium Cal	241329000
03232	286	11503	170821	01	1	0.424		M	M	M	1.63	5.4328	5.4328	170801	170918	40155549004	Total Radium Cal	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 Cal	241329000
03232	290	11503	170822	01	1	0.746		M	M	M	1.18	3.9329	3.9329	170801	170918	40155549012	Total Radium Cal	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 Cal	241329000
03232	292	11503	170822	01	1	0.742		M	M	M	1.4	4.6662	4.6662	170801	170918	40155549013	Total Radium Cal	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

CALEDONIA ASH LANDFILL,
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APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
August 27, 1987 - Plan of Operation Approval WEPCo Caledonia Landfill				
1	Copy of PO at site.	General	Active	
2	All in accordance with PO and Wisconsin Administrative Code	General	Superseded	Superseded by 5/19/10 approval
3	Adequate survey control	General	Active	
4	Inactivity after PO approval (work started within window)	General	Inactive	Completed
5	Exemption to 100' setback for Cell 4 (easement submitted 10/25/93)	General	Inactive	Completed
6	Establish sediment control structures	Construction	Active	
7	Clay liner specification	Construction	Superseded	Superseded by Condition 7 of 4/15/96 approval
8	Leachate pipe penetrations	Construction	Active	
9	Subbase examination	Construction	Superseded	Superseded by Condition 6 of 4/15/96 approval
10	Drain layer/bedding specs	Construction	Superseded	Superseded by Condition 3 of 12/13/91 approval and Condition 5 of 4/15/96 approval
11	Cleanout risers for transfer line	Construction	Active	
12	Transfer piping encased in 2 feet of clay (double-walled pipe north of MH-4 per NR 504.06(5)(l)).	Construction	Inactive	Completed
13	Bottom ash used in access roads	Construction	Active	
14	Erosion controls at soil stockpile	Operations	Active	
15	Leachate collection system cleaning	Operations	Active	
16	Testing of forceman, tank, and lift station	Operations	Superseded	Superseded by Condition 2 of 6/30/04 approval
17	The lift station alarm system shall remain operational at all times.	Operations	Active	
18	Ash contact water treated as leachate	Operations	Superseded	Superseded by 11/3/93 approval
19	Leachate tank liquid in clay encapsulation (double-walled tanks installed)	Operations	Inactive	Completed
20	Annual reports	Operations	Superseded	Superseded by Condition 1 of 7/7/95 approval
21	Temporary covers on base cells (temporary covers removed in 2009 to open upper tier of cells)	Operations	Inactive	Completed
22	4-feet-thick cover over granular drainage blanket	Operations	Superseded	Superseded by Condition 1 of 5/14/99 approval
23	On-site water supply well (well abandoned)	Environmental Monitoring	Inactive	Completed
24	Dedicated piezometers	Environmental Monitoring	Superseded	Superseded by 12/9/92 approval
25	Groundwater Monitoring Plan	Environmental Monitoring	Superseded	Superseded by 11/20/89 approval
26	Leachate headwells	Environmental Monitoring	Superseded	Superseded by 5/19/10 approval
27	Leachate headwell measurements/reporting	Environmental Monitoring	Active	
28	Leachate monitoring program	Environmental Monitoring	Superseded	Superseded by Condition 6 of 7/7/97 approval
29	Sedimentation basin monitoring	Environmental Monitoring	Superseded	Superseded by Condition 7 of 7/7/97 approval
30	Timing of cover construction and seeding	Closure	Active	
31	CQA during cover construction	Closure	Active	
32	Final cover design	Closure	Superseded	Superseded by 5/19/10 approval
33	Topsoil specification	Closure	Active	
34	Cell construction documentation report	Documentation	Active	
35	Clay liner construction documentation	Documentation	Active	
36	Granular drainage layer documentation	Documentation	Active	
37	Leachate trench backfill documentation	Documentation	Active	
38	Cover construction documentation report	Documentation	Active	
39	Final cover construction documentation	Documentation	Active	
40	Long-term care	Long-Term Care	Active	
41	Long-term care work	Long-Term Care	Active	
42	Duration of leachate collection	Long-Term Care	Active	
43	Financial responsibility	Financial Responsibility	Superseded	Superseded by Condition 18 of the 5/19/10 approval

CALEDONIA ASH LANDFILL,
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APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
November 20, 1989 - Groundwater Monitoring Parameter List Change and Monitoring Network Change				
1	Abandon wells 5 A-C, 6B and W30	Environmental Monitoring	Superseded	Superseded by 7/7/97 approval
2	Replace nest 5 A-C, future replacement of W27 and 2 A-C	Environmental Monitoring	Superseded	Superseded by 7/7/97 approval
3	Allows slight relocations to avoid conflicts	Environmental Monitoring	Superseded	Superseded by 7/7/97 approval
4	Wells per NR 500 WAC	Environmental Monitoring	Superseded	Superseded by 7/7/97 approval
5	Add replacement wells to monitoring programs	Environmental Monitoring	Superseded	Superseded by 7/7/97 approval
6	Submittal of WIF	Environmental Monitoring	Superseded	Superseded by 7/7/97 approval
7	Groundwater Monitoring Plan revision	Environmental Monitoring	Superseded	Superseded by 7/7/97 approval
December 13, 1991 - Plan of Operation Modification Approval for Cells 1 and 2				
1	Drainage swales to divert surface water	Operations	Active	
2	Leachate collection line cleaning	Operations	Active	
3	Revised drainage layer and pipe bedding	Construction	Active	
4	Revised sedimentation basin monitoring	Environmental Monitoring	Superseded	Superseded by Condition 7 of 7/7/97 approval
5	Department notification of specific liner and cover construction activities	Notification	Active	
December 9, 1992 - Abandonment of Dedicated Piezometer 1				
1	Abandon DP1 and replace with new DP in Cell 14	Construction	Active	
November 3, 1993 - Plan of Operation Modifition Approval for Leachate Circulation				
1	Leachate for dust suppression inside landfill only	Operations	Active	
2	Record keeping of leachate for dust suppression	Records	Active	
April 15, 1996 - Plan of Operation Modification Approval				
1	Sand drainage borrow source approval	General	Active	
2	HDPE Pipes (PVC listed in 8/27/87 approval letter, but not in Conditions)	Construction	Active	
3	Allows butterfly valves on lines entering manholes	Construction	Active	
4	Leachate headwell targets	Construction	Active	
5	Filter material specification	Construction	Active	
6	Geoprobe allowed for subbase examination	Construction	Active	
7	2 feet of clay surrounding manholes	Construction	Active	
8	ADS Piping denial	Construction	Active	
9	Bottom ash for granular drainage blanket denial	Construction	Active	
July 7, 1997 - Caledonia Ash Landfill Groundwater Monitoring Plan Revisions				
1	PAL and ACL tables	Environmental Monitoring	Superseded	Superseded by 11/23/99 approval
2	Baseline monitoring for NR 507, Tables 2 & 3	Environmental Monitoring	Inactive	Completed
3	Sampling to establish additional ACL	Environmental Monitoring	Inactive	Completed
4	Allows relocation of wells 5AR/5BR/5CR	Environmental Monitoring	Active	
5	Monitoring schedule, well list and parameters	Environmental Monitoring	Active	
6	Leachate quality sampling	Environmental Monitoring	Active	
7	Sedimentation basin monitoring	Environmental Monitoring	Active	
March 31, 1999 - Expedited Plan of Operation Modification for Grit Blast Disposal				
1	Grit blast disposal	Operations	Active	
May 14, 1999 - Plan of Operation Modification for Cell 8 Liner Rework				
1	4-foot layer of ash by December 1 following the year of construction	Code Req.	Active	
December 20, 2004 - Response to Expedited Plan Modification Request, South Access Road through Site Screening Berm				
August 28, 2006 - Plan of Operation Modification Approval, Disposal of FGD By-products (from PPPP)				
1	Comply with all licensing documents	General	Active	
2	Specifically characterize the FGD by-prodcucts	Operations	Active	

CALEDONIA ASH LANDFILL,
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APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
October 11, 2006 - Expedited Plan Modification Request, Site Screening Berm Modification				
March 12, 2007 - Plan of Operation Modification Approval for ERGS Laydown Area				
1	Comply with all licensing documents	General	Inactive	Completed
2	Do not store any equipment with liquid or waste	Operations	Inactive	Completed
3	Document and report any spills	Operations	Inactive	Completed
May 6, 2009 - Plan of Operation Modification Approval for Leachate Forcemain				
December 11, 2009 - Response to Expedited Plan Modification Request, Leachate Forcemain Maintenance Enhancements				
May 19, 2010 - Plan of Operation Modification Approval - Landfill Design Enchancements and Other Modifications				
1	All aspects of construction and operation of the landfill shall be performed in accordance with the plan of operation, the requirements of chs. NR 500 to 538, Wis. Adm. Code, and the conditions of the approval. In the case of any discrepencies between the approval conditions and the plan of operation, the approval conditions shall take precedence.	General	Active	
2	Any proposed changes to the plan or this approval shall be presented to the Department in writing. If the changes are compatible with the desired performance of this landfill, as determined by the Department, an addendum will be added to this approval indicating acceptance of those changes. Written Department approval is necessary prior to implementing any changes with the exception of minor field modifications that are documented in accordance with NR 516.04(3)(d), Wis. Adm. Code. All field modifications shall be discussed with the Department prior to implementation. Other changes may be handled as expedited plan modifications under 514.09, Wis. Adm. Code as appropriate.	General	Active	
3	We Energies is permitted to dispose of the following wastes in this landfill: -WE Oak Creek Power Plant -WE Elm Road Generating Station -WE Pleasant Prairie Power Plant -WE Valley Power Plant -WE Milwaukee County Power Plant -WE Caledonia Landfill	General	Active	
4	WE shall schedule a preconstruction meeting. The preconstruction meeting shall be scheduled prior to the initiation of construction for each phase of construction of the geomembrane component of the liner or cap. The meeting shall be used to clarify or confirm design changes, the approved plan of operation or identified in the preconstruction report. At a minimum, the meeting shall include the design engineer, the appropriate department district and central office staff, the engineer or engineers responsible for quality assurance of all aspects of construction, and the geomembrane installer.	Construction	Active	
5	WE shall submit a preconstruction report for construction of each phase of a composite liner as well as each phase of a composite capping layer. The department may also require a preconstruction report for each phase of construction which utilzes 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 geomembrane component of a composite liner or a composite capping layer.	Construction	Active	
6	The preconstruction report for liner phases with liner penetrations shall include a description of the backfill to be compacted around the penetration, compaction methods or other means to be used to minimize leakage along the pipe, connection details for header lines to the liner penetration pipe stubs, and source of the prefabricated liner penetration.	Construction	Active	
7	WE shall Proof-roll and examine subbase surfaces to receive clay liner 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 operations will be removed and replaced.	Construction	Active	
8	WE shall conduct leak location testing in accordance with NR 516.07(2)(d), Wis. Admin. Code. The test shall include the liner penetration detail for the leachate header lines and connections to the liner geomembrane.	Construction	Code Req.	
9	WE shall contact the Department's environmental engineer assigned to this project a minimum of one week prior to beginning the construction event 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.	

CALEDONIA ASH LANDFILL,
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APPROVAL CONDITIONS SUMMARY

Cond. No.	Description	Condition Type	Status	Comments
10	WE shall make all attempts to segregate the landfilling of different waste streams. Comingling during disposal in the landfill may jeopardize future beneficial use recovery.	Operations	Active	
11	WE shall control dust on the active area of the landfill. Leachate may be used as dust control on active areas.	Operations	Active	
12	WE shall control dust on the landfill roads. Clean water from sedimentation basins or another clean water source may be used as dust control on the roads.	Operations	Active	
13	We Energies shall submit an annual report by March 31 of each year.	Operations	Active	
14	The newly established and revised preventive action limits (PALs) and alternative concentration limits (ACLs) for parameters at this facility shall be as indicated in attached Table 1. Table 2 is a summary of all current PALs and ACLs for this facility.	Environmental Monitoring	Active	
15	The previously established PALs for boron granted in the July 7, 1997, Plan of Operation modification, are hereby rescinded.	Environmental Monitoring	Active	
16	WE shall submit to the Department a proposal to establish PALs for indicator parameters for newly installed monitoring wells W46A, W46B, and W46C within three months for collection of eight rounds of suitable monitoring data.	Environmental Monitoring	Active	
17	WE shall submit with the proposed listed in Item 15 above, a proposed ACL for sulfate in wells W03AR and W16AR, fluoride in well W12D, and manganese in well W12D.	Environmental Monitoring	Active	
18	WE shall provide Net Worth Test financial responsibility for closure and long-term care in accordance with NR 520, Wis. Adm. Code and the closure and long-term care attachment to this approval by March 31, 2011.	Financial Responsibility	Inactive	Completed
19	The Department reserves the right to require the submittal of additional information and to modify this approval at any time, if in the Department's opinion, modifications are necessary. Unless specifically noted, the conditions of this approval do not supersede or replace any previous conditions of approval for this facility.	Financial Responsibility	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 Caledonia Ash Landfill

Caledonia, Wisconsin

Submitted to:
WEC Energy Group
333 West Everett Street, A231
Milwaukee, Wisconsin 53203

Submitted by:
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, Wisconsin 54311
920.455.8200

September 29, 2023
Project 2203724

WISCONSIN
JOHN
MATHEW
TRAST
37192-6
GREEN BAY
WISCONSIN
PROFESSIONAL ENGINEER
09/29/2023

Andrew J. Schwoerer, P.G.
Project Professional

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

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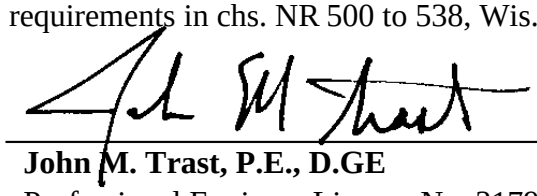
1. Engineer Certification

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, 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 Caledonia Ash Landfill (Wisconsin Department of Natural Resources [WDNR] License No. 3232) located in the Village of Caledonia, Racine County, Wisconsin, as an existing CCR Landfill.

The We Energies Caledonia Ash Landfill was permitted on August 27, 1987, with the issuance of a Conditional Plan of Operation Approval. The facility is licensed and approved as a 45-acre, 4,050,000 cubic yard (cy) landfill. The landfill was originally divided into 18 sequential cells, 10 cells at base grade and 8 cells overlying the base grade cells. The base liner system of Cells 1, 2, 3, 4, 6, and 8 were originally permitted to be constructed of a 5-foot-thick compacted clay liner.

A Plan of Operation Modification, dated April 2009, was approved on May 19, 2010, by the WDNR to revise the base liner system of the unconstructed cells (Cells 10, 12, 14, and 16) to incorporate a 3-foot-thick composite liner system (with an additional foot if a subbase soils investigation is not performed) consisting of compacted clay and geomembrane.

To date, Cells 1, 2, 3, 4, 6, 8, and 10 have been constructed and Cells 12, 14, and 16 are permitted but are currently unconstructed. Cell 1 is closed, and the perimeter slopes of Cells 2, 3, and parts of 4, 6, and 8 have received partial final cover.

Cell 10 was the last phase of development and featured the composite base liner system as outlined in the Plan of Operation Modification approved in 2010. Cells 1, 2, 3, 4, 6, 8, and 10 have a constructed area of 34.9 acres and a design airspace capacity of 3,021,000 cy. As constructed, 22.7 acres remain open, with a design airspace capacity of 2,390,000 cy remaining. Currently, 12.2 acres have been closed with construction of final cover. The unconstructed cells have a permitted area of approximately 10 acres and a design airspace capacity of 1,029,000 cy.

The We Energies Caledonia Ash Landfill is permitted to receive non-hazardous CCR, by-products, and associated wastes generated at the following We Energies locations:

Generating Locations and Waste Streams

Location	Waste Stream
We Energies Oak Creek Power Plant	Coal combustion by-products (fly and bottom ash) Blast grit from electrostatic precipitator cleaning FGD by-products (filter cake and off-spec gypsum) Dewatered wastewater treatment plant solids
We Energies Elm Road Generating Station	Coal combustion by-products (fly and bottom ash, mill rejects) FGD by-products (filter cake and off-spec gypsum) Dewatered wastewater treatment plant solids
We Energies Caledonia Landfill	Sedimentation basin and ditch cleaning residues LCS cleaning residues
We Energies Pleasant Prairie Power Plant	Coal combustion by-products (fly and bottom ash), FGD by-products (filter cake and off-spec gypsum), LCS cleaning residues, and ditch cleaning residues
We Energies Valley Power Plant	Coal combustion by-products (fly and bottom ash) Dewatered wastewater treatment plant solids
We Energies Milwaukee County Power Plant	Coal combustion by-products (fly and bottom ash)
We Energies Port Washington Power Plant	Coal combustion by-products (fly and bottom ash)
We Energies Lakeside Power Plant	Coal combustion by-products (fly and bottom ash)

In addition to the proposed generating locations and waste streams listed above, We Energies requests approval to accept coal combustion by-products and associated waste from any other We Energies landfill or location where coal combustion by-products from We Energies may have been disposed or beneficially used.

On August 1, 2022, the WDNR updated NR 500 of the Wisconsin Administrative Code (Wis. Adm. Code) to include changes to new and existing Coal Combustion Residual (CCR) Landfills in the State of Wisconsin. As required in the new NR 514.045, an updated Plan of Operation Modification must be prepared for all new and existing CCR Landfills, including all future phases, and submitted for initial permitting by February 1, 2023. The required plan was submitted in accordance with the regulations and this Plan of Operation Modification addresses comments received from WDNR in April 2023.

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 Caledonia 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 Caledonia Ash Landfill, a drawing set featuring the base liner, final cover, phasing waste grade details, 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 Caledonia 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 WDNR and NWI maps, the existing waste footprint of the Caledonia Ash Landfill is not located in a wetland. Unconstructed Cells 12, 14, and 16 to the north will border wetland class areas but will not encroach on the wetland. 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 Caledonia 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 preliminary review, the site overlaps Karner Blue Butterfly and Rusty Patched Bumble Bee high potential zones. The final cover and final site restoration, specifically the seeding, should take into consideration additional improvements to make the site an attractive habitat for native pollinators. The Karner Blue Butterfly Habitat Conservation Plan and U.S. Fish and Wildlife Service (USFWS) Conservation Management Guidelines for the Rusty Patched Bumble Bee contain specific native seed species that can be utilized on the final cover at the

Caledonia Landfill to make the site an attractive habitat for these two endangered species. When performing site restoration during landfill closure, these resources will be employed to determine what seed mixes will be most appropriate to create a new habitat for the both the Karner Blue Butterfly and Rusty Patched Bumble Bee while also adhering to Section 630 of the Wisconsin Department of Transportation (WDOT) specifications. The NHI preliminary review satisfies 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 Caledonia Ash Landfill posed as a potential detriment to any surface water:

- WDNR Surface Water Data Viewer Map
- Figure 1 – Run-On Stormwater Flow Diagram, Run-on and Run-off Control Plan Revision 2, GEI Consultants, August 2021
- Drawing PM-5 – Leachate Collection System

According to the WDNR map in Appendix C, the only potential surface water located on-site is from an intermittent unnamed stream (WBIC-5038361) located on the east limit of the active landfill. This stream connects to the sedimentation basin, which collects stormwater from perimeter run-on control ditches, as shown on the Run-On Stormwater Flow Diagram in Appendix C. The perimeter stormwater ditches and the sedimentation basin are designed for a 24-hour, 25-year precipitation event. The unnamed stream connects to a second unnamed stream (WBIC-5038418) approximately 1,300 feet south of the landfill where it drains into Lake Michigan, approximately 3,600 feet southeast of the Caledonia Ash Landfill. The point at which the unnamed streams become navigable is uncertain.

Leachate generated onsite is removed via a double contained gravity conveyance pipe penetrating the east sidewall of the landfill and drains into a manhole located outside the limit of waste. Each manhole is tied in series via a double encased leachate transfer gravity main that flows south to the Manhole 1 Pump Station. From there, leachate is pumped to the leachate loadout facility located west of Cell 10 and is transported to the on-site wastewater treatment facility or used in the landfill for CCR conditioning and dust control. Drawing PM-5 in Appendix C shows the locations of the leachate collection manholes, leachate transfer lines, pump station, and leachate loadout 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 Caledonia 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 Caledonia Ash Landfill is approximately 270 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 Caledonia 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 Caledonia 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
- 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 Caledonia 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 Caledonia Ash Landfill is within a floodplain:

- Federal Emergency Management Agency (FEMA) National Flood Hazard Layer Map

The Caledonia Ash Landfill waste footprint is outside of the flood plain and is in an area of minimal flood hazard as shown in Appendix G. This satisfies 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 Caledonia Ash Landfill and have provided their Environmental Sampling and Analysis Plan in Appendix O.

Section 2.1.1.3 of Appendix O defines the uppermost aquifer at the Caledonia Ash Landfill as the Silurian dolomite bedrock, as the intermediate sand and silt layers existing above the bedrock are not continuous across the site. Bedrock elevations at Caledonia Ash Landfill are contoured in Figure 2-7 of Appendix O and range in elevation from +520 to +535 feet, while top of subbase grades in the low point of the unconstructed cells are designed at approximately +686 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 and silt 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

The Caledonia Ash Landfill (WDNR License No. 3232) was permitted by the WDNR on August 27, 1987, with the issuance of a Conditional Plan of Operation Approval. The landfill is designed to accept only coal combustion byproducts. The facility is licensed and approved as a 45-acre, 4,050,000 cubic yard (cy) landfill divided into 18 sequential cells. Ten of the cells would form the base grades for the landfill, and 8 cells would be placed overlying the base cells as a vertical expansion.

The landfill was originally designed and permitted to have a 5-foot-thick compacted clay liner for the base liner and sidewalls, and constructed for Cells 1, 2, 3, 4, 6, and 8. A leachate collection system consisting of a 1-foot-thick drainage layer and perforated PVC collection pipes were placed above the compacted clay liner. The leachate collection pipes run from west to east, and each terminate at a manhole located outside the east limits of the landfill. The manholes are encapsulated in 2 feet of liner quality clay material. A double-encased leachate gravity main connects the manholes and conveys leachate south to the Manhole 1 Pump Station. An automated pumping system extracts leachate from the pump station and discharges into a forcemain to the leachate storage tanks, located west of Cell 10. The leachate storage tank is encapsulated within 5 feet of liner grade clay material to contain leachate in event of a tank failure. Tanker trucks load leachate from the storage tank on the leachate loadout facility and haul to the on-site wastewater treatment facility. Currently, Cell 1 and partial perimeter slopes of Cells 2, 3, 4, 6, and 8 are closed.

On May 19, 2010, a Plan of Operation Modification approval was issued by the WDNR to modify the staged development plan, upgrade the base liner system of future cells to a composite liner system, improve the leachate headwell design, and improve the final cover system design. The Plan of Operation Modification also approved the disposal of coal combustion waste streams from all active We Energies power plants in southeast Wisconsin.

5.2 Base Liner System

The base liner system for the unconstructed cells of the Caledonia Ash Landfill was modified on May 19, 2010, with the issuance of a Plan of Operation Modification approval to comply with NR 504.06 of the Wis. Adm. Code and consisted of, from bottom to top:

- 4-foot-thick compacted clay layer constructed of clay meeting the requirements of NR 504.06 and having a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec or less;
- 60-mil textured HDPE geomembrane liner meeting the requirements of NR 504.06.

- 1-foot-thick leachate collection layer meeting or exceeding a permeability of $1x10^{-2}$ cm/sec.

The Cell 10 base liner system was constructed in late 2010 in accordance with the Plan of Operation Modification. The base liner system for Cell 10 consists of a 4-foot-thick composite liner system of compacted clay and a geomembrane. A subbase investigation was not performed, so an additional 1 foot of compacted clay was required. A 60-mil HDPE textured geomembrane was placed over the 4-foot-thick compacted clay layer. A nonwoven geotextile cushion was placed over the geomembrane and was covered by a 1-foot-thick granular drainage layer.

The modified base liner system for the landfill was modeled using the US EPA Hydrologic Evaluation of Landfill Performance (HELP) Model, Version 3.07, to compare and evaluate the original and modified base liner systems. The modified base liner system was modeled assuming 20 feet of ash placed in the landfill cell, an average slope of 1.0%, bare ground, and a slope length of 100 feet. The modified base liner was modeled assuming the same operating conditions to compare the originally permitted and modified base liner systems.

The incorporation of a geomembrane in the modified base liner system drastically reduced the expected landfill leakage rate and improved the performance of the leachate collection system. The model predicted that the geomembrane and clay layer system reduced the percolation through the base liner system from 1.2 inches per year to 0.0022 inch per year during the operational life of the landfill, a 99.8% reduction in the annual landfill leakage rate.

A second option for a base liner system for the unconstructed cells of the Caledonia Ash Landfill meets the requirements of NR 504.06(7) and consists of the following components, from bottom to top (see Drawing PM-14 for details):

- 2-foot-thick soil barrier layer
- Geosynthetic clay liner (GCL)
- 60-mil textured HDPE geomembrane
- 1-foot-thick leachate collection layer

Engineering calculations, including HELP Model calculations, supporting the two base liner systems options are included in Appendix H. The base liner systems satisfies conditions of NR 514.045(1)(f). Drawing PM-14 – Construction Details shows the base liner system constructed for Cell 10 and for unconstructed Cells 12, 14, and 16. The following sub-sections discuss construction of the individual components of the base liner system.

5.2.1 Subbase Grades

Once excavated to subbase grades, the surface will be compacted with a 30,000 pound pad foot compactor to observe for soft or wet areas. Areas with unsuitable subbase soils must be removed and replaced with structural fill and 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. Stormwater and subsurface drainage encountered during construction will be directed to temporary sumps for removal. The water will be pumped to the perimeter ditch and discharged to the landfill sedimentation basin.

5.2.2 Compacted Clay Layer or Soil Barrier Layer

The liner of Cells 12, 14, and 16 will comply with NR 504.06 of the Wis. Adm. Code and will consist of a 4-foot-thick compacted clay layer or a GCL and 2-foot-thick soil barrier layer. The compacted clay layer or a soil barrier layer will be constructed in accordance with NR 504.06(2), 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 compacted clay layer or soil barrier layer will be 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 as defined in NR 504.06(2)(f)(3). Testing and monitoring of the compacted clay layer or soil barrier layer will follow the approved CQA Plan, attached as Appendix N.

5.2.3 Geosynthetic Clay Liner (GCL)

A GCL will be placed directly above the 2-foot-thick soil barrier layer in accordance with NR 504.07(4)(a)1 to 11 and Section 9 of the CQA Plan. Specifications for the materials, installation, and documentation of the GCL are outlined in the CQA Plan (Appendix N). GCL will be installed in a relaxed condition, free of wrinkles or tension. GCL panels will extend a minimum of 10 feet past the toe of the interior sideslopes. The GCL will have a minimum 6 inches of overlap on longitudinal seams and 20 inches on panel end seams. GCL patches will be placed over irregular shapes, cuts, or tears and overlapped a minimum of 12 inches. Seams will be sealed with loose bentonite granules placed at a rate of one quarter pound per linear foot. The GCL will be covered with geomembrane on the same day that it is unpacked and placed and anchored with perimeter anchor trenches.

The GCL will be subject to manufacturer's quality control (MQC) testing prior to shipment. The material will be specified to meet the physical properties and the manufacturer will be required to provide the minimum test results as required by Table 9-1 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 and leakage rate of the base liner system.

5.2.4 Geomembrane

A 60-mil HDPE geomembrane layer will be installed above the compacted clay liner for the unconstructed Cells 12, 14, and 16 in accordance with NR 504.06 and Section 6.0 of the CQA Plan. Specifications for the materials, installation, and documentation of the geomembrane are outlined in the CQA Plan (Appendix N). Geomembrane panels will be positioned by suspending rolls of material with a front-end loader and unrolling the suspended material and fine positioning by hand. Care will be taken to prevent damage to the compacted clay liner during placement of the geomembrane. Panels will be 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 will be extrusion-welded into place. All seams will be non-destructively tested by air or vacuum testing. The integrity of fusion welds will be air tested, and extrusion welds will be vacuum tested. Destructive testing of seams will be performed at a frequency of one test per 500 feet of seam.

5.2.5 Geotextile Cushion Layer

A geotextile cushion layer will be installed above the geomembrane to provide protection during installation of the leachate collection system. Specifications for the materials, installation, and documentation of the geotextile cushion layer are provided in Section 8.0, of the CQA Plan (Appendix N). Geotextile rolls will be deployed by unrolling the material by hand and positioning to maintain a nominal 6-inch overlap. The geotextile panels will be sewn, or the geotextile will be continuously heat tacked together. The geotextile panel orientation shall generally match that of the geomembrane panel layout.

5.2.6 Leachate Collection System

The approved leachate collection system design from the Plan of Operation Modification consists of V-shaped trenches graded into the liner base grades. The V-trenches will have the same depth as the originally permitted box trenches, with sides graded at a 6H:1V slope. The V-trenches will be smooth-drum rolled prior to placement of the geomembrane to allow intimate contact between the compacted clay and the geomembrane and provide for easier installation. A geocomposite drainage layer consisting of a geonet between two layers of non-woven geotextile will be used to line the trench providing protection to the geomembrane and additional drainage capacity to the leachate collection system. Specifications for the materials, installation, and documentation of the geocomposite drainage layer are provided in Section 7.0, of the CQA Plan (Appendix N). The proposed trench design is consistent with NR 504.06(5).

The leachate collection system will consist of a network of 6-inch SDR 17 HDPE perforated pipe contained within a 1-foot-thick granular drainage layer and is designed to limit average leachate

head on the liner to 1 foot or less. The select granular drainage material will be a coarsely graded sand, with no more than 5% passing the No. 200 sieve as required by NR 504.06(5)(t) and having a minimum hydraulic conductivity of $1x10^{-2}$ cm/sec as required by NR 504.06(5)(tm). Specifications for the materials acceptance criteria, installation, and documentation of the granular drainage layer are outlined in the CQA Plan (Appendix N). As specified in NR 504.06(5)(t), a certified needle free minimum 12 oz/sy nonwoven geotextile will be installed below the granular drainage layer if the material contains gravel over ¼-inch.

Drawing PM-14 – Construction Details illustrates the leachate collection system for unconstructed Cells 12, 14, and 16. All leachate will drain to the east end of each cell and will be set a minimum 0.5% grade. The leachate collection system gravity drains to a 15-foot by 15-foot collection sump located at the low point in each phase of construction. The subbase of the sump will be undercut to allow for the construction of the 2-foot-thick clay liner. A 1-inch-thick protective flat stock HDPE plate will be attached to the perforated leachate collection pipe at the base of each sump. Each leachate collection sump will include a 24-inch diameter SDR 11 HDPE inclined riser pipe that will house a submersible pump that are accessed through sideslope riser pipes in perimeter access manholes, as shown on Drawings PM-20 and PM-21. The bottom portion of the inclined riser pipe will be perforated and will transition to non-perforated on the perimeter slope.

Leachate in the sumps will be pumped to perimeter access manholes are tied into each other via a double-encased leachate transfer gravity main that flows south to the Manhole 1 Pump Station. Details of the leachate collection manholes are shown on Drawing PM-16 – Construction Details. An automated pumping system extracts leachate from the pump station and discharges into a forcemain to the leachate storage tank, located west of Cell 10. The leachate storage tank is encapsulated within 5 feet of liner grade clay material to contain leachate in event of a tank failure. Tanker trucks load leachate from the storage tank on the leachate loadout facility and haul to the on-site wastewater treatment facility. Drawing PM-5 – Leachate Collection System Grades shows the locations of the leachate collection manholes, leachate headwells, cleanouts, leachate transfer lines, pump station, and leachate loadout facility.

Unconstructed Cells 12, 14 and 16 will each be installed with leachate headwells to monitor leachate load levels on the base liner system. Headwell piping will be placed directly on top of the geotextile cushion layer and will be installed at a constant elevation across the cell floor. Section 5.5 provides the design locations for the leachate headwells in the future construction phases.

5.3 Operation and Development

This section outlines the operating procedures and plans currently employed at the Caledonia 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.

5.3.1 Hours of Operation

Normal hours for receiving waste will typically be from 7:00 a.m. to 5:00 p.m., Monday through Saturday. Operational hours may be adjusted to accommodate special circumstances, such as plant outages or disruptions in CCP utilization. Activities such as leachate handling may extend beyond normal hours to accommodate the operator and significant rainfall events.

5.3.2 Traffic Routing

Ash trucks will primarily be routed to the site over private, all-weather access roads. Ash trucks will traverse on private roads as part of the Oak Creek Power Plant to access the landfill. The roads will be sufficient for two-way truck traffic and will be constructed so that traffic flows smoothly and is not interrupted by ordinary inclement weather. The vehicles used to transport ash shall be equipped with and use a tarpaulin or other suitable means to control ash dust during transport.

5.3.3 Lines and Grades

Permanent survey control points are shown on Drawing PM-2 – Existing Site Conditions. Elevations will be based on mean sea level datum, and coordinates will be based on the site grid, which is based on the Wisconsin South State Plane Coordinate System. Survey crews will provide line and grade control, as necessary, to assist operators during cell construction, ash placement, and closure construction.

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

Dust may be generated from the stripping and placement of soil material, the placement and compaction of ash, the vehicular traffic on access roads, and by wind over barren areas. Fugitive dust shall be controlled through the use of street sweepers, road grading and maintenance, and road paving. Clean water for dust suppression will be obtained from the Oak Creek Power Plant. Leachate will be used for dust suppression within the active landfill only.

A water wagon will be kept on site at all times during construction and waste disposal activities when weather conditions favor the generation of fugitive dust. Haul routes will be kept watered, as necessary, to prevent dusting from vehicular traffic. Ash and other CCP materials will be conditioned at the plant prior to delivery to the landfill for disposal. In the course of normal

operation of the ash disposal site, ash will be spread and compacted as soon as possible but no later than the end of the day of deposit. Ash should be deposited in the lowest active areas of the cell and spread and compacted immediately when weather or other conditions favor fugitive dust generation and subsequent transport of the fugitive dust outside the active landfill waste limits. Oak Creek Power Plant can, however, deposit ash whenever necessary to maintain operation of the plant to fulfill its public utility obligations.

Trash and windblown debris are usually not associated with coal combustion by-product landfills. We Energies will be diligent in the policing of the site and removal of litter.

5.3.4.2 Odors

It is anticipated that odor will not be a problem for the coal ash landfill. 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 will have the proper mufflers and will be maintained in good operating condition to limit excessive objectionable noise.

5.3.4.5 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 Caledonia. Fire extinguishers will be located in site structures, site vehicles, and heavy equipment. Fire protection will also be provided by the use of on-site soils and equipment.

5.3.5 Site Access

Access to the Caledonia Ash Landfill is limited to those times when a We Energies employee or authorized representative is at the landfill. Access shall be controlled through the use of a security shack at the main entrance, natural barriers, fencing, and gates. Visitors are required to arrange visitation to the site through We Energies and are required to be accompanied by authorized personnel while on-site.

5.3.6 Inclement Weather

Access road and surface water drainage design and maintenance will minimize disruption to landfill operations during most wet weather. If necessary, waste placement will be temporarily halted if safe hauling or landfill operations are 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. Snow plows or other heavy equipment will be used to clear the access roads.

Dust generated as a result of dry conditions will be controlled by wetting roads with water or with commercially available compounds. Blowing ash in the active landfill cells will be suppressed with water, leachate, bottom ash, soil, or other commercially available compounds or methods approved by WDNR.

5.3.7 Active Area Runoff Control

During the operation and filling of the Caledonia Ash Landfill, precipitation within the active landfill is handled as contact stormwater and treated as leachate. The contact stormwater runoff is directed to temporary stormwater ditches on the inside of the landfill and routed to temporary infiltration areas along the east perimeter berm where it is allowed to infiltrate into the leachate collection system and managed in accordance with Section 5.2.5 of this Plan of Operation Modification. Stormwater runoff that comes into contact with the final cover on the south portion of the landfill is not leachate and will be routed to perimeter ditches that is conveyed to the sedimentation basin southeast of the landfill.

The runoff control system for the operation of the Caledonia Ash Landfill can adequately manage a 24-hour, 25-year precipitation event. An updated Runoff Control Plan was submitted in October 2021 and is attached in Appendix K. See Section 6.2 of this Plan of Operation Modification for more detail on the Runoff Control Plan.

5.3.8 Drainage and Erosion Control

Operational aspects of drainage and erosion control include proper management of surface water and maintenance of permanent drainage control facilities. The perimeter berms will limit off-site surface water from entering the landfill. Diversion berms will be used to contain runoff from the active disposal area. Minimum slopes of 1% will be used on completed ash lifts to maintain positive drainage and prevent ponding.

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. Any observed eroded areas will be re-graded, seeded, and fertilized, as necessary, to maintain efficient flow and operation of drainage and erosion control structures.

Clean surface water runoff is directed to east, west, and south perimeter conveyance ditches which is carried to the sedimentation basin southeast of the landfill. Routine maintenance will include inspection and repair, if necessary, of the drainage ditches. Sediment and debris will be removed from drainage ditches, as necessary.

5.3.9 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)

5.3.10 Leachate 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 pipes, leachate storage tanks, and load-out pad catch basin. Sediment will be disposed in the active 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 disposed in the active landfill.

5.3.11 Personnel and Equipment

We Energies bears the responsibility for the environmentally sound and efficient operation of the site. The operation of the Caledonia Ash Landfill shall be under immediate direction of the Oak Creek Power Plant Senior Power Plant Supervisor. In the event that the landfill is operated outside the normal operating hours (or for holidays, vacations, etc.), supervision of the landfill

will be coordinated by Oak Creek Power Plant shift supervisors. They are to ensure that adequate personnel and equipment are available for landfill operations.

The unloading of solid waste will be continuously supervised by a Site Operator or Facility Manager certified in accordance with NR 524. Employees will be equipped with the appropriate training and personal protective equipment for waste handling. Properly maintained equipment of adequate number, type, and size shall be used in operating the landfill pursuant to established engineering practices. Backup equipment is available at the power plant; and if needed, arrangements will be made with a contracted source to provide additionally required equipment.

5.4 General Ash Filling Procedures

Daily operations will be contained to the smallest area possible. Waste placement will begin in the high end of each cell and move towards the low end. The waste slopes will be maintained as flat as possible, while maintaining a positive drainage to the east. The minimal slopes will help reduce erosion potential and the possibility of runoff escaping from the landfill, as final grades are reached. Initial ash placement for the frost protection layer will be made using a low-ground pressure dozer to spread, grade, and compact the ash. Wheeled construction and waste hauling traffic should be limited to areas where the waste thickness is greater than 4 feet. The frost protection layer needs to be placed over the granular drainage blanket in all portions of the lined area by December 1 of the year following the year of construction in accordance with NR 506.07. Once the frost protection layer is in place and the liner system is adequately protected from equipment and vehicle traffic. Vehicle restrictions should continue to be in place near the perimeter and along the sideslopes of the cell.

The filling plans for the Caledonia Ash Landfill are depicted on Drawings PM-5 through PM-11. Site cross-sections and construction details are depicted on Drawings PM-13 through PM-17. Access to the active fill areas will be from the access roads on the perimeter of the berms. The ash will be dumped from haul trucks, and a dozer or wheeled loader will grade the ash to a uniform surface thickness to allow compaction and maintain stability of the fill mass as a whole.

Temporary access roads may be constructed over the ash to reduce the distance that ash must be graded. Roads over existing ash may be constructed using sand and gravel and may include geotextile as a subbase to provide a stable working surface. Temporary dump pads may also be used to facilitate ash placement and will be constructed in a manner similar to temporary roads, only wider.

Temporary dikes may be used to retain ash and prevent the loss of any leachate or precipitation that has come into contact with the ash. Temporary dikes will be removed, as necessary, for cell construction or final cover placement.

An inter-cell berm will be constructed between the constructed and unconstructed cells to terminate the geosynthetics and provide a separation between leachate and surface water. The

cell separation berm may also act as a base for haul truck access. Surface water control within the active cell will be contained by the lined portion of the berm. The leachate collection header pipe will be sealed between cells to prevent leachate escaping or intrusion of surface water.

5.5 Leachate Management

Leachate and contact water are expected to be generated during operations while the landfill is open and active. Upon final closure, leachate is expected to taper off because of the expected performance of the composite final cover system. The design of the leachate collection and transfer system is described in Section 5.2.5 and shown on Drawings PM-12, PM-19, PM-20 and PM-21.

The 1987 Conditional Plan of Operation also required the installation of five leachate headwells to monitor the height of leachate on the base liner. Leachate headwells LH-1, LH-2, and LH-3 are vertical wells that were installed after reaching final waste grades and were drilled through the waste to the compacted clay liner. Leachate headwells LH-4 though LH-7 will be vibrating wire piezometers and the piping will be placed directly on top of the geotextile cushion layer at a constant elevation across the cell floor in each phase of construction, which includes Cell 12 and Cells 14/16. The locations of the headwells are provided in the table below:

Leachate Headwell Design and Proposed Locations

Leachate Headwell	As-Built Coordinates	Proposed Coordinates
LH-1 (Cell 2)	47+30S, 15+00W	-
LH-2 (Cell 6)	41+60S, 13+00W	-
LH-3 (Cell 8)	39+50S, 18+00W	-
LH-4 (Cell 12)	-	35+05S, 16+15W
LH-5 (Cell 12)	-	34+08S, 23+15W
LH-6 (Cells 14/16)	-	32+37S, 16+70W
LH-7 (Cells 14/16)	-	31+05S, 19+80W

The location of the installed and proposed leachate headwells are shown on Drawing PM-12 – Final Cover Grades. Proposed coordinates for LH-4 through LH-7 are shown in the table above. Drawing PM-16 – Construction Details demonstrates the pneumatic transducer and leachate monitoring headwell detail for proposed headwells. We Energies proposes to monitor the leachate headwells in accordance with NR 507.21 Wis. Adm. Code. The monitoring is specified to be on a quarterly basis and reporting of the data is semi-annually in accordance with NR 507.26.

5.6 Final Cover System

The final cover system will be constructed to bring the site to final grades, as shown on Drawing PM-11. The final cover has been designed to meet, at a minimum, the requirements of NR

504.07. The final cover system for the Caledonia Ash Landfill shall comply with NR 504.07(4) and will consist of the following components from bottom to top:

- 6-inch-thick ash grading layer
- 24-inch-thick clay layer or a soil barrier layer with a geosynthetic clay liner (GCL).
- 40-mil textured linear low-density polyethylene (LLDPE) geomembrane
- Geocomposite drainage layer
- 30-inch-thick rooting zone layer
- 6-inch-thick topsoil layer

Final cover construction details are shown on Drawing PM-11, PM-12, and PM-15. Final cover design calculations, including HELP Model calculations, including the hydraulic conductivity, leakage rate, and interface friction of the final cover system, are presented in Appendix I and satisfy conditions of NR 504.12(4) and NR 514.045(1)(f). The following sub-sections discuss construction of the individual components of the final cover system.

5.6.1 Ash Grading Layer

A 6-inch-thick fly ash grading layer will be constructed below the final cover system and above the final waste grades to provide a smooth firm working surface for the placement and compaction of the compacted barrier layer. The grading layer material will be classified as an SP, SM, or ML with a maximum particle size of 1 inch. The material will be placed in a single 6-inch lift and compacted. This layer will provide a smooth, firm working surface for construction of the barrier layer.

5.6.2 Compacted Clay or Soil Barrier Layer

The 24-inch-thick compacted select clay fill layer will meet the requirements of NR 504.06(2)(a) and will be placed in accordance with the requirements outlined in NR 504.06(2)(f) and the CQA Plan (Appendix N). If GCL is utilized in lieu of the 24-inch-thick compacted clay barrier layer, a 24-inch-thick compacted soil barrier layer will be placed in accordance with NR 504.07(4)(a)(12) and the CQA Plan (Appendix N).

Material for the clay barrier layer will be obtained from sources that include some, or all, of the following:

- The on-site clay borrow stockpile located north of the active landfill footprint that meets the requirements of NR 504.07(4). The approximate clay available at the existing clay borrow source is presented in Drawing PM-2.

- An off-site commercial borrow source that is suitable for final cover construction. The results of the borrow investigation/volume of clay available will be submitted to the WDNR for approval prior to use in the barrier layer.

Material for the soil barrier layer will be obtained from sources that include some, or all, of the following:

- The on-site clay borrow stockpile located north of the active landfill footprint that meets the requirements of NR 504.07(4)(a) The approximate clay available at the existing clay borrow source is presented in Drawing PM-2.

- An off-site commercial borrow source that is suitable for final cover construction. The results of the borrow investigation/volume of soil available will be submitted to the WDNR for approval prior to use in the barrier layer.

Construction quality assurance of the compacted barrier layer includes 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 construction will be completed in accordance with the CQA Plan (Appendix N).

5.6.3 Geosynthetic Clay Liner

If a soil barrier layer is utilized, a GCL will be placed directly above the compacted soil barrier layer throughout all areas of the final cover. The GCL will consist of a layer of pure sodium bentonite encapsulated between two geotextiles. Specifications for the materials, installation, and documentation of the GCL will meet the requirements of NR 504.07(4) and are included in Section 9 of the CQA Plan, found in Appendix N.

Before the GCL is placed, the compacted soil barrier surface will be examined for protruding rocks, foreign objects, holes left from rock or stake removal, loose material, desiccation, and overall smoothness of the surface. Coarse gravel or cobbles larger than 2-inches in diameter will be removed from the surface by hand. Other courses of remedy that may be practiced include smooth drum-rolling the surface, filling in ruts or holes with fill, bentonite, and water the surface.

The GCL panels will be placed in an orientation that runs directly down the side slopes. The GCL panels will be placed with a minimum 6-inch longitudinal overlap and a minimum of 20 inches of overlap at the panel end seams. A seal of loose bentonite will be placed in the seam overlaps at the panel end seams. A seal of loose bentonite will be placed in the seam overlaps at a minimum of one quarter pound per linear foot of seam unless additional overlap has been approved as an alternative by the WDNR. The GCL will be installed dry and covered the same day.

The GCL will be tested during manufacturing and prior to installation. The results of the manufacturer's testing will be submitted for review and approved prior to shipment of any GCL rolls to the site. Samples of the rolls delivered to the site will also be collected for conformance testing by a third party laboratory prior to installation. The testing requirements, acceptable values, and responsibilities are further explained in the CQA Plan in Appendix N.

5.6.4 Geomembrane

Within the same day of the installation of the GCL, the 40-mil LLDPE geomembrane liner will be installed throughout the final cover. Specifications for the materials, installation, and documentation of the 40-mil LLDPE geomembrane are outlined in Section 6.0 in the CQA Plan (Appendix N). The geomembrane will be tested during the manufacturing, and prior to and during installation. The results of the manufacturer's testing will be submitted for review and approved prior to shipment of any geomembrane rolls to the site. Samples of the rolls delivered to the site will also be collected for conformance testing by a third party laboratory prior to installation. During placement, both nondestructive and destructive testing of the geomembrane seams will be performed. Nondestructive testing will be performed by the installation contractor and observed by a third party. Destructive testing will consist of both field and third party laboratory testing of the samples collected. The testing requirements and minimum acceptable values are provided in Table 6.1 and 6.3 in the CQA Plan (Appendix N).

Geomembrane panels will be 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 remains stationary. The geomembrane will be installed in a loose and relaxed condition. Panels will be 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 will be extrusion welded into place. All seams will be non-destructively tested, fusion welds will be air pressure tested, and extrusion welds will be vacuum box tested. Destructive testing of seam specimens will be performed at a minimum frequency of one test per 500 feet per day per welder/seamer combination.

5.6.5 Geocomposite Drainage Layer

A geocomposite drainage layer will be installed above the geomembrane that will have a minimum hydraulic conductivity of 1.0×10^{-3} cm/sec, in accordance with NR 504.07(6)(a). The drainage layer will be installed to aid in the removal of subsurface storm water drainage and will provide puncture protection to the geomembrane during placement of the rooting zone layer. The geocomposite drainage layer will be installed in a loose and relaxed condition. The geonet of adjacent panels will be cable tied together every 3 feet along longitudinal seams and every 6 inches along end seam. The top geotextile will be sewn or continuously heat-tacked to prevent rooting zone material from clogging the geonet.

The geocomposite will be subject to manufacturer's quality control (MQC) testing prior to shipment. The material will be specified to meet the physical properties and the manufacturer will be required to provide the minimum test results as required by Table 7.1 in the CQA Plan. Specifications for the materials, installation, and documentation of the geocomposite are outlined in Section 7 in the CQA Plan (Appendix N).

Subsurface drain tile will be installed immediately above the geocomposite drainage layer at the crest and toe of the 4H:1V final cover slope to intercept and control subsurface stormwater drainage in accordance with NR 504.07(6). The drainage system will include 4-inch diameter corrugated perforated polyethylene pipe in a geotextile sock around the perimeter of the landfill and will have a rip rap apron at the outlets to minimize erosion The geocomposite drainage layer and subsurface drain tile will increase final cover stability by preventing the buildup of pore pressure above the geomembrane cover. The drainage layer and drain tile will also increase the removal efficiency of subsurface storm water, decreasing the volume of water available to percolate through the final cover system and into the waste mass. The pipe will be buried in the rooting zone material and featured an outlet approximately every 200 feet.

5.6.6 Rooting Layer and Topsoil

A 30-inch-thick rooting layer will be installed immediately above the geocomposite drainage layer followed by 6 inches of topsoil. The rooting zone and topsoil layers will be constructed of on-site soils and installed to support vegetative growth and to protect the composite final cover system against the effects of freeze/thaw and physical damage. The rooting zone will be placed over the geocomposite in a single lift using low ground pressure (LGP) dozers. The material will be classified as SW, SP, SM, SC, ML, or CL and have a maximum particle size of 3 inches.

The rooting zone layer will be placed with low-ground-pressure equipment. The soil will be pushed ahead of the equipment out of the geocomposite drainage layer. A minimum of 3 feet of material will be placed prior to allowing trucks and other wheeled hauling equipment to operate on the surface. The initial lifts of general fill will be graded gradually to the designed thickness with a low-ground-pressure tracked bulldozer. The layer thickness will be documented by thickness measurements on the same 100-foot grid pattern and change in slop direction points used to document the barrier layer.

Topsoil capable of sustaining vegetative growth will be placed and spread to a uniform thickness of 6 inches above the rooting zone. Once placed, the topsoil will be fertilized with a Class A fertilizer without phosphorous, under WisDOT Standard Specification 629.2.1.2, seeded with a WDOT Highway 20 seed mixture per Section 630 of the WDOT standard specifications at approximately 130 pounds per acre, and mulched. A different seed mix and application rate may also be used if approved by the WDNR. The seed mix will also take into consideration additional improvements to make the site an attractive habitat for native pollinators including the Karner Blue Butterfly and the Rusty Patched Bumble Bee. Permanent vegetation will be established the following year after each phase of final cover construction.

5.7 Surface Water Control

The run-on and run-off control plan in Appendix K and Section 6.2 of this Plan of Operation Modification describes surface water control while the Caledonia Ash Landfill is active. During site construction, ditching will be used to divert surface water away from the construction areas to temporary sumps or the existing storm water control features. Ditch check dams, consisting of stone or hay bales, will be installed in drainage ditches to control erosion until vegetation is established. In areas where soils are stockpiled, silt fence and swales will be installed to intercept sediment from the rainfall runoff. Diversion berms and drainage ditches will be constructed, as appropriate, to divert storm water runoff from the stockpiles. Exposed soil areas outside the limits of landfill operations will be vegetated to minimize erosion. The surface water control system will be inspected on a routine basis during construction. If erosion or excessive sediment transport is identified, additional erosion control measures will be taken, as needed. During construction, all contact water will be handled as leachate through the facility's pumping, storage, and leachate disposal system and all non-ash contact stormwater runoff will be handled through site ditching and sedimentation control structures. When problems are identified, repair measures will be implemented to restore the system to proper operating conditions.

At the time of final cover construction for Cells 14 and 16, a sediment trap will be constructed to the north of the landfill limits to accept the runoff from approximately 7.9 acres of final cover. The trap will consist of a containment berm and stone outlet structure to promote settlement and filtration of sediment from rainfall runoff prior to discharging. The sediment trap will be designed in accordance with WDNR Conservation Practice Standard 1063 and will have the capacity to handle the flow of runoff from the 25-year, 24-hour rainfall event. The peak outflow from the sediment trap has been calculated as 1.26 ft^3/sec for the 25-year, 24-hour storm, resulting in the settlement of particles down to 6.3 microns. The sediment trap will be removed after vegetation on the landfill final cover has been established.

After closure, stormwater runoff will be handled through the ditching and sedimentation control structures until vegetation is firmly established. When problems are identified, repair measures will be implemented to restore the system to proper operating conditions.

5.8 Construction Quality Assurance Observations and Documentation

In accordance with NR 516, base liner and final cover construction at the Caledonia Ash Landfill will be 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 will be present at all times during critical construction periods.

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

Construction documentation reports will be prepared following each base liner construction and cell closure and will include the following information:

- Description of weather conditions.
- Description of construction activities and work force activities for each task.
- Record of survey data of all applicable layers.
- Record of 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 fugitive dust control plan for Caledonia Ash Landfill is attached in Appendix J and was prepared to meet the requirements of 40 CFR 257.80(b) and NR 514.07(10)(a). The Oak Creek Power Plant incorporates several measures to decrease fugitive dust at the Caledonia Ash Landfill. CCR delivered to the landfill is conditioned with water prior to transporting and compacted and groomed when placed in the designated disposal area or stockpile. Access roads into the landfill are paved to minimize the generation of dust due to truck traffic and are swept and watered regularly. Traffic is controlled in the active areas to minimize tracking CCR out of the landfill. A stone tracking pad, wheel wash station, and cattle guard have been installed at the active landfill exit. Lastly, final cover is installed as soon as final waste grades are achieved over a sufficient area to support a practical final cover installation work scope to minimize wind generated dust in the active area.

6.2 Run-on and Run-off Control Plan

An updated Run-on and Run-off Control Plan was submitted in October 2021 in accordance with § 257.81(c)(4) which requires the owner or operator of the CCR unit to prepare periodic run-on and run-off control system plan updates every 5 years. The updated Run-on and Run-off Control Plan is attached in Appendix K. The attached Run-on and Run-off Control Plan also 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 depth estimate for a 24-hour, 25-year storm at the Caledonia Ash Landfill was determined following procedures outlined in Precipitation-Frequency Atlas of the United States, Atlas 14, Volume 8, Version 2: Wisconsin. For the Caledonia Ash Landfill, a 24-hour, 25-year storm resulted in 4.48 inches of rainfall.

The Caledonia Ash Landfill features perimeter berms to prevent run-on from entering the active landfill. The east, west, and south perimeter berms contain stormwater in stormwater ditches and convey the water southward. On the east side of the landfill, the stormwater is routed to the stormwater sedimentation basin immediately southeast of the landfill. On the west side of the landfill, the stormwater ditches route stormwater to the south, through a culvert running under the site screening berm, and then east to the sedimentation basin. Along the north perimeter of the active landfill, an intercell berm between Cell 10 and unconstructed Cell 12 has been constructed to prevent run-on from entering the landfill and to prevent run-off from leaving the

landfill. A perimeter ditch along the north edge of the intercell berm intercepts and directs stormwater run-on to the east, away from the active area, and conveys the stormwater to the sedimentation basin. A Run-On Stormwater Flow Diagram figure is included in Appendix K and illustrates the run-on control plan at the Caledonia Ash Landfill. The Caledonia Ash Landfill has an acceptable run-on control system, satisfying conditions of NR 514.07(10)(b).

Precipitation within the active area of the Caledonia Ash Landfill is handled as contact stormwater and is treated as leachate. The contact stormwater is directed to the temporary stormwater ditches on the inside of the landfill and routed to temporary infiltrations area in Cells 8 and 10, where it is allowed to infiltrate into the leachate collection system. The water is managed as leachate in accordance with Section 5.2.5 and 5.5 of this Plan of Operation Modification. On the areas that are closed, stormwater sheds off the final cover and is conveyed to the perimeter stormwater ditches where it is carried to the southwest sedimentation basin. A Run-Off Stormwater Flow Diagram figure is included in Appendix K and illustrates the run-off control plan at the Caledonia Ash Landfill. The Caledonia Ash Landfill has an acceptable run-off control system, satisfying 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. Final cover installed over portions of Cells 1, 2, 3, 4, and 6 were installed prior to the approved Plan of Operation Modification and consist of a 6-inch-thick grading layer, 24-inch-thick compacted clay layer, a 24-inch-thick rooting zone layer, and 6-inch-thick topsoil layer. Partial final cover of Cell 2 was completed in 2017 and Cells 6 and 8 was in completed in 2022 and consist of a 6-inch-thick grading layer, 24-inch-thick FGD filter cake and fly ash barrier layer, 40-mil LLDPE geomembrane, geocomposite drainage layer, 24-inch-thick rooting zone layer, and a 6-inch-thick topsoil layer. Future final covers at the Caledonia Ash Landfill will be in accordance with the approved Closure Plan and this Plan of Operation Modification and will consist of a 6-inch-thick grading layer, 24-inch-thick clay capping layer or soil barrier layer with a GCL, 40-mil LLDPE geomembrane, geocomposite drainage layer, 30-inch-thick rooting zone layer, and a 6-inch-thick topsoil layer in accordance with NR 504.07of the Wis. Adm. Code.

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 Caledonia Ash Landfill will be relegated to maintenance of the final cover system and the continuation of the groundwater monitoring network as 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 inspect for 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 Wisconsin Administrative Code (Wis. Adm. Code) to include changes to new and existing Coal Combustion Residual (CCR) Landfills in the State of Wisconsin. GEI Consultants, on behalf of We Energies, is submitting this Plan of Operation Modification for the Caledonia 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 submittal are the requirements outlined in NR 514.045(1), the plan of operation for the active Caledonia Ash Landfill, a drawing set featuring the base liner, final cover, phasing waste grade details, and the leachate collection system, and a separate attachment demonstrating the CCR groundwater monitoring system and sampling plan in accordance with NR 507.15(3).

8. References

AECOM (2009). Plan of Operation Modification, Caledonia Landfill, WDNR License # 03232, Pleasant Prairie, Wisconsin, April 2009.

Karner Blue Butterfly Habitat Conservation Plan Partners User Guide (2010). KBB Habitat Restoration Protocol.

U.S. Fish and Wildlife Service (USFWS) (2018). Conservation Management Guidelines for the Rusty Patched Bumble Bee (Bombus affinis). Version 1.6. February 27.

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 (WDNR) (1987). Wisconsin Electric Power Company (WEPCo) Caledonia Landfill Plan of Operation Approval, August 31, 1987.

Wisconsin Department of Natural Resources (WDNR) (2010). Plan of Operation Modification Approval for Caledonia Ash Landfill, Landfill Design Enhancements and Other Modifications, License # 3232, May 19, 2010.

Drawings

PM-1 Title Sheet

PM-2 Existing Site Conditions

PM-3 Subbase Grades

PM-4 Base Grades

PM-5 Leachate Collection System Grades

PM-6 Phasing – Cells 2, 3 & 4 Waste Grades

PM-7 Phasing – Cell 6 Waste Grades

PM-8 Phasing – Cell 8 Waste Grades

PM-9 Phasing – Cell 10 Waste Grades & Cell 12 Base Grades

PM-10 Phasing – Cell 12 Waste Grades & Cell 14/16 Base Grades

PM-11 Final Waste Grades

PM-12 Final Cover Grades

PM-13 Cross-Sections

PM-14 Construction Details

PM-15 Construction Details

PM-16 Construction Details

PM-17 Construction Details

PM-18 Leachate Tank Details

PM-19 Leachate Tank Details

PM-20 Construction Details

PM-21 Construction Details