CON 12-1-1
Doc # 118442

Beneficial Technologies, LLC
2647 225th Street, P.O. Box 230
DeWitt, IA 52742-0230
Phone: (563) 659-9181 Fax: (563) 659-2695

October 26, 2026

Chad Stobbe
Iowa DNR
Land Quality Bureau
Solid Waste & Contaminated Sites Section
6200 Park Ave Ste 200
Des Moines, IA 50321

Reference: Beneficial Technologies Goose Lake Quarry BUD renewal request

Dear Mr. Stobbe:

We are requesting renewal of Beneficial Technologies' Iowa DNR Beneficial Use Determination ID #23-BUD-15-03 at Goose Lake Quarry.

Enclosed please find the Beneficial Use Determination Application Form, Solid By-Product Management Plan, Site Map, Site Reclamation Plan, and Solid By-product Analytical Results.

If you have questions, please contact me at the above number or morgans@wendlingquarries.com.

Sincerely,

Morgan Schuler
Environmental Manager

RECEIVED
OCT 29 2026

IOWA DEPARTMENT OF NATURAL RESOURCES

BENEFICIAL USE DETERMINATION
APPLICATION FORM

Send completed applications with attached information to:

Iowa Department of Natural Resources
Land Quality Bureau
Solid Waste and Contaminated Sites Section
6200 Park Ave Ste 200
Des Moines IA 50321

RECEIVED
OCT 29 2026

For questions concerning this application please contact the Department at (515) 201-8272.

SECTION 1. CONTACT INFORMATION [IAC 567 Chapter 102.304(1)] Provide the name, address and telephone number for the following

Address of the site where the project will be located

Site Owner Name: Beneficial Technologies Phone Number: 563-659-9181
Site Address: 3715 137th St County: Clinton
City: Goose Lake State: IA Zip Code: 52750

Beneficial Use Determination Applicant

Name: Beneficial Technologies Phone Number: 563-659-9181
Site Address: PO Box 230
City: DeWitt State: IA Zip Code: 52742

Individual responsible for operation of the project

Name: Morgan Schuler Phone Number: 563-659-9181
Site Address: PO Box 230
City: DeWitt State: IA Zip Code: 52742

Professional engineer (P.E.) licensed in the state of Iowa and retained for the design of the facility, if any

Name: HLW Engineering Group License #:
Site Address: PO Box 134 Phone Number: 515-733-4144
City: Story City State: IA Zip Code: 50248

Agency to be served by the project, if any

Name of Agency:
Responsible Official: Phone Number:
Site Address:
City: State: Zip Code:

SECTION 2. FACILITY OPERATIONAL INFORMATION [IAC 567 Chapter 102.304(3)-(6)]

A description of the solid by-product under review and its proposed use:

Archer Daniels Midland (ADM) Cogeneration Plant (Clinon). Only coal combustion residual (CCR) (i.e., Bed Ash Silo or Fly Ash Silo and combusted alternative fuel(s) in any combination consisting of agricultural feed and seed, on-site wastewater treatment by-products, tire-derived fuel, algae fermentation by-products and wood) generated by the ADM Cogeneration Plant located in Clinton, IA. The CCR will be used as fill material for reclamation purposes at Goose Lake Quarry in Goose Lake, IA.

The chemical and physical characteristics of the solid by-product:

The material is primarily an inorganic mineral that results from combustion of coal with limestone. The residue consists of inorganics in the coal, unreacted limestone, and limestone that has reacted with sulfur to form gypsum. Trace metals are present. After solidification, the metals in the CCR are expected to be immobile.

A demonstration that there is a known or reasonably probable market for the intended use of the solid by-product:

Beneficial Technologies has been accepting CCR from the ADM Cogeneration Plant in Clinton, IA since 2008, authorized as a beneficial use to reclaim the quarry. Wendling owns and operates multiple quarry sites where CCR fill material could be used for reclamation purposes.

A demonstration that the proposed use of the solid by-product will not adversely affect human health and environment:

Approved by-products from ADM have been analyzed throughout this project since 2008 and results show the material is nontoxic. The CCR fill boundary will not go beyond a 50 foot setback from the property line. The property boundary and 50 foot setback has been surveyed and staked to ensure minimum separation distances are maintained throughout reclamation operations. The CCR is placed at least 5 feet above the groundwater table. The CCR is not placed in a waterway, wetland, or any waters of the state. Hydric soils, wetland vegetation, and wetland hydrology are not present on the Property. The CCR is not placed within the 100-year floodplain. The CCR is not placed closer than 200 feet to a sinkhole or to a well that is being used or could be used for human or livestock water consumption. The CCR is not putrescible.

SECTION 3. PERMIT APPLICATION CHECKLIST

Checking the appropriate boxes below certifies that the documents submitted in conjunction with this application form are complete and in compliance with the applicable chapters of the Iowa Administrative Code. If an application is found by the department to be incomplete, it may be denied and returned to the applicant.

Required Documents

☒ Solid By-product Management Plan [IAC 567 Chapter 102.304(7)]
☒ Site Map [IAC 567 Chapter 102.304(2)]
☒ Solid By-product Analytical Results [IAC 567 Chapter 102.305(1)]

SECTION 4. APPLICANT CERTIFICATION

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I further certify that the construction and operation of the above described project will be in accordance with the plans, specifications, reports and related communications accepted by the Iowa Department of Natural Resources and on file in its office; and in accordance with conditions imposed in the determination issued by the Iowa Department of Natural Resources.

Signature:  Date: 10/26/2026

Printed Name: Morgan Schuler Title: Environmental Manager

Archer Daniels Midland Company
Clinton Cogeneration

Standard Operating Procedure GY9.20.DOC.002 - Solid By-Product (Ash) Management Plan			
Date Issued	Document #	Version	Group
2026-09-25	See Title	8	GY9 – All

Reviewed By:
BOBBY PEROPAT (346 ENVIRONMENTAL MANAGER)

Approved By:
JASON DOLASH (GY9 SITE MANAGER)

ADM Clinton
Cogeneration Facility
Solid By-Product Management Plan[1]



[1] This document is to be submitted to the IDNR by March 1 of each calendar year per Special Condition 8 of the Beneficial Use Determination 23-BUD-15-03.

I. General Information

Ash generated by:

ADM Cogeneration
1800 South 5th Street
Clinton, IA 52732

Available ash reuse (Iowa):

Beneficial Technologies
2265 260th Avenue
DeWitt, IA 52742

Ag lime usage:

Biomass Renewable Technologies (BRT)
KV Mudcreek Inc.
24956 20th Avenue
Stockton, IA 52769

Midwestern BioAg (MWBA)
12540 110th Avenue
Davenport, IA 52804

II. Sources

ADM Cogeneration is an electricity and steam generating facility which, through the combustion of coal and alternative fuels in the form of waste water treatment biomass, agricultural seed, and tire-derived fuel (TDF) in its three CFB boilers, produces large amounts of Coal Combustion Byproduct (CCB), or ash.

III. Usage

Ash is approved for use in the following:

- A Beneficial Use Determination is approved for Beneficial Technologies (BenTech) for fly and bed ash at their quarry site near Goose Lake, Iowa.
- Bed ash is approved for use as agricultural lime by Biomass Renewable Technologies, Stockton, Iowa.
- Bed ash may be used as fill material in J. Oros Properties LLC's Crown II or Crown III mines near Virden, Illinois.
- Bed ash may be landfilled at Prairie Hills Landfill in Morrison, Illinois.

In 2025, CCB was used by the following outlets:

Material	Receiving Facility	Tons	%
Fly Ash	BenTech	71,539	88.9

Material	Receiving Facility	Tons	%
Bed Ash	Viper Mine[2]	6,755	8.4
Bed Ash	BRT	46	0.1
Bed Ash	MWBA	2,158	2.7

IV. Testing

Testing of ash is completed quarterly and follows EPA testing methods. Testing methods include:

- Toxicity Characteristics Leaching Procedure (TCLP – EPA Method 1311)
- Synthetic Precipitation Leaching Procedure (SPLP – EPA Method 1312)
- Total Metals Testing, including Thallium, consistent with statewide standards for soil pursuant to 567-Chapter 137. (EPA Methods 6010, 6020, 7470, 7471)

The ash is also tested for pH.

Testing is completed by a certified lab and final reports of results are provided to the facility electronically via email. The Plant Manager, Plant Superintendent, Assistant Superintendent, and Environmental Manager are included in this communication.

Upon receipt of the final report, results are reviewed to determine if ash is acceptable under the BUD. This is done by reviewing the summary table at the end of the report which lists the state standards. If it is determined that ash is outside of state standards, direction is given immediately to shift supervision to cease loading out ash to any outlet utilizing a BUD until further notice. At that time, ash may only be loaded out to the approved landfill in which ADM has an approved profile or to Biomass Renewable Technologies (BRT). Loading out of ash may not resume to BUD outlets until the issue is resolved by either correcting analytical issues with the lab or obtaining results from a new sample that are within state standards.

For any parameter that is found to be out of compliance, monthly testing of that parameter will be required for the following quarter.

At the time of application for BUD renewal, additional testing shall be completed to identify groundwater monitoring parameters for BenTech. This testing shall include TCLP analysis for:

- VOCs: Benzene, carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichloroethane, 1,1-dichloroethane, methyl ethyl ketone, tetrachloroethylene, trichloroethylene, and vinyl chloride
- SVOCs: o-Cresol, m-cresol, p-cresol, cresol, 1,4-dichlorobenzene, 2,4-dinitrotoluene, hexachlorobenzene, hexachlorobutadiene, hexachloroethane, nitrobenzene, pentachlorophenol, pyridine, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol

I. Storage

Ash is stored in one of two concrete silos at the facility. The two silos service all three boilers. The silos are part of the storage and load out facility that receives ash from the boilers 24 hours a day, seven days per week.

[2] Viper Mine previously used bed ash as fill but will not be utilized after 2025.

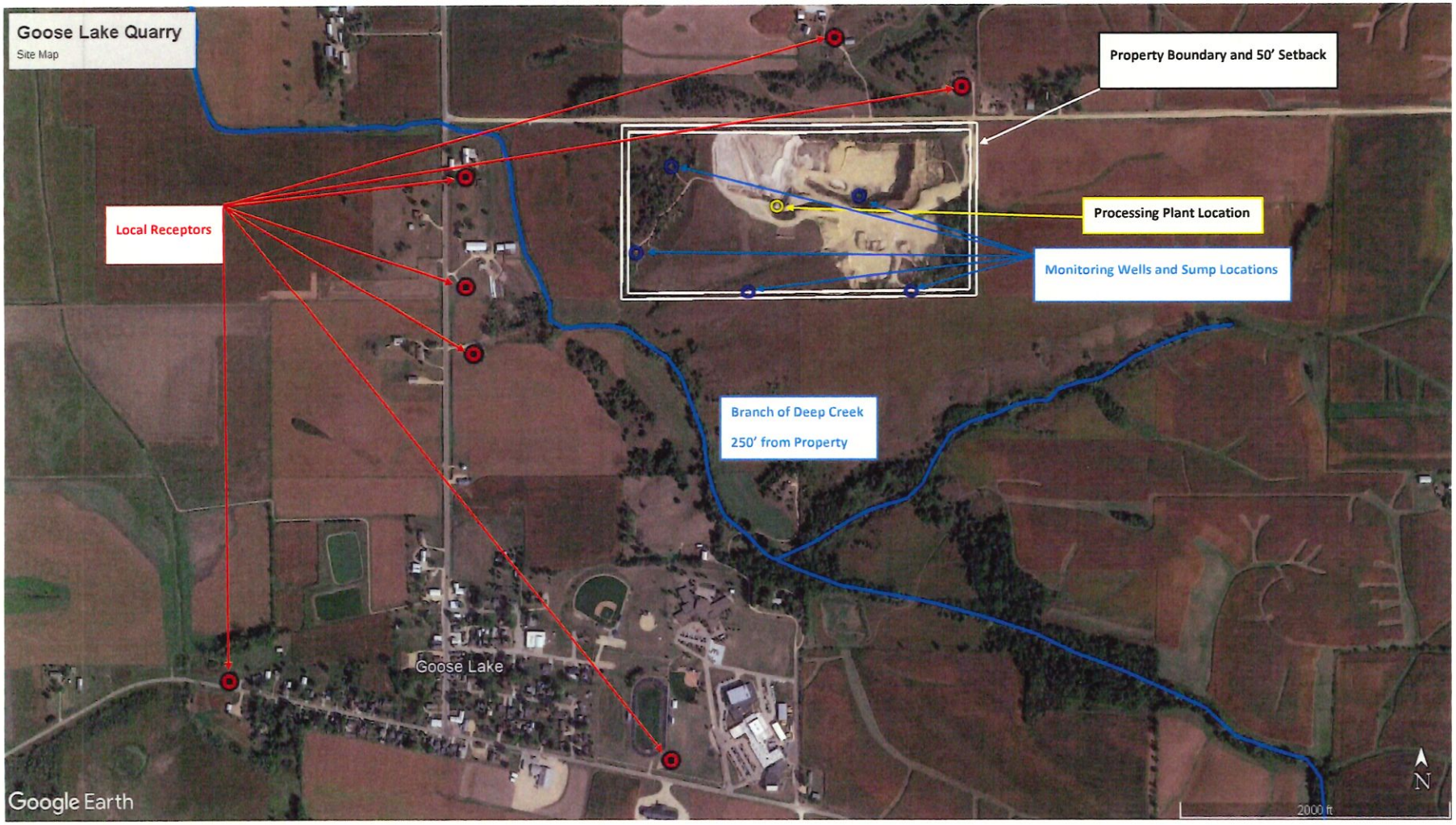
The maximum inventory that can be stored is approximately 280,000 ft^3 of ash assuming a conservative space availability of 90%. The usable spaces of the silos are 54' in diameter and 42' in diameter and both are 88' high.

Run-on and run-off is not seen as an issue in this situation as all ash is stored and loaded out within enclosed, concrete silos. The facility has an NPDES General Permit #1 storm water permit in place to manage issues related to storm water.

Several measures are in place to minimize the uncontrolled dispersion of ash:

- The concrete silos are equipped with bag filters to control particulate in the air stream that pulls the ash from the baghouses and boilers to the silos.
- The unloading chute is fitted with a blower to create a vacuum, which pulls in fugitive ash during the loading of trucks and transfers the captured ash back to the top of the silo.

Maximum storage time of fly ash is approximately 12-14 days at maximum production. Bed ash storage time is considerably longer, and is typically stored for up to 4-6 weeks. The ash is continuously added to the silos and trucks are loaded out with ash 5 days per week.


Goose Lake Quarry
Site Map
Property Boundary and 50' Setback
Local Receptors
Processing Plant Location
Monitoring Wells and Sump Locations
Branch of Deep Creek
250' from Property
Goose Lake
Google Earth
2000 ft
N

Beneficial Technologies, LLC

2647 225th Street, P.O. Box 230
DeWitt, IA 52742-0230
Phone: (563) 659-9181 Fax: (563) 659-2695

October 26, 2026

Beneficial Technologies
Iowa DNR Beneficial Use Determination
Goose Lake Quarry
ID #23-BUD-15-03

Site Reclamation Plan
This detailed Site Reclamation Plan will fulfil requirements of Section VIII. Special Conditions (3) and (8) of Beneficial Technologies' Iowa DNR Beneficial Use Determination.

Project Scope:
Beneficial Technologies LLC (Ben Tech), a subsidiary of Wendling Quarries, Inc. (WQI), is beneficially reusing coal combustion residual (CCR) by-products from Archer Daniels Midland Company's (ADM) Cogeneration Plant in Clinton, IA for reclamation purposes at WQI's Goose Lake Quarry in Goose Lake, IA. Goose Lake Quarry meets all local and state planning, zoning, and regulatory requirements for a mining facility as well as a beneficial use project. Since 1987, WQI operates approximately 100 aggregate quarries and sandpits in 14 counties throughout eastern Iowa and western Illinois while employing more than 200 workers. The Iowa Department of Agriculture and Land Stewardship (IDALS) requires all mines and quarries in Iowa must be reclaimed after completion of mining operations and WQI has a separate Quarry Development Department to address those requirements. By beneficially reusing CCR by-products that would otherwise be landfilled, Ben Tech and WQI are economically backfilling Goose Lake Quarry so that the affected land can be returned to its natural elevation and meet all IDALS mine reclamation requirements. Reclaiming Goose Lake Quarry with CCR by-products will provide for the conservation of the land affected by the mining of limestone, preserve natural resources, protect and preserve the taxable value of the property, and protect and promote the health, safety and general welfare of the people of the state. After the project is complete at Goose Lake Quarry steep slopes will have been removed to limit falls and the property will likely be returned to productive agriculture ground or used as some kind of recreation and/or conservation area. On January 23, 2008, under ID #23-BUD-15-03X, the Iowa DNR authorized and approved Ben Tech to beneficially use CCR by-products for reclamation purposes at Goose Lake Quarry. To date the total amount of CCR by-product utilized for the project is shown in Table 1.

No problems have been encountered in 2026 during reclamation activities at Goose Lake Quarry.

Table 1: Total CCR by-product tons utilized at Goose Lake Quarry	
Year	**Tons**
2008	8,333
2009	8,177
2010	55,270
2011	69,573
2012	91,277
2013	82,829
2014	81,614
2015	73,499
2016	66,869
2017	64,415
2018	66,747
2019	74,465
2020	68,440
2021	66,705
2022	53,793
2023	53,325
2024	70,397
2025	71,206
2026 to date	59,020
	Total: 1,135,957

Fill Progression/Schedule:

Figure 1 is a map showing the property boundary and 50-foot separation distance from the property line. The CCR fill boundary will not go beyond that 50 foot setback. The property boundary and 50 foot setback has been surveyed and staked to ensure minimum separation distances are maintained throughout reclamation operations. Figure 2 is a map outlining where Goose Lake Quarry has been backfilled with CCR since 2008 and how many tons of CCR were used in that area. WQI continues to mine limestone aggregate to the east; Ben Tech will backfill the quarry with CCR from west to east. As the cogeneration process becomes more efficient and refined, it is anticipated that the tons of CCR utilized for the project will follow the last 5 year trend in Table 1. Attachment 1 of this Site Reclamation Plan is a site map depicting current contour elevations of the property. Attachment 2 is a site map of the anticipated final project contour elevations for the Goose Lake Quarry property and outlines the entire reclamation area authorized under this BUD, including cross sections for the reclamation area. Ben Tech will use the current contour elevation map (Attachment 1) as a baseline to measure and document yearly fill progression as required by Section VIII. Special Conditions (8) of the BUD. A new contour elevation map will be submitted annually with the Solid By-Product Management Plan (SBMP) to show progress toward meeting the final contour elevations in Attachment 2. This will show Iowa DNR and IDALS how site conditions progress toward meeting final project grades and estimate remaining project life.

Considering the 5-year average CCR tons utilized for project reclamation, current project elevations, and remaining volume available to reach final project grades, we estimate there are 20 years remaining at Goose Lake Quary before the final project grades depicted in Attachment 2 will be reached.

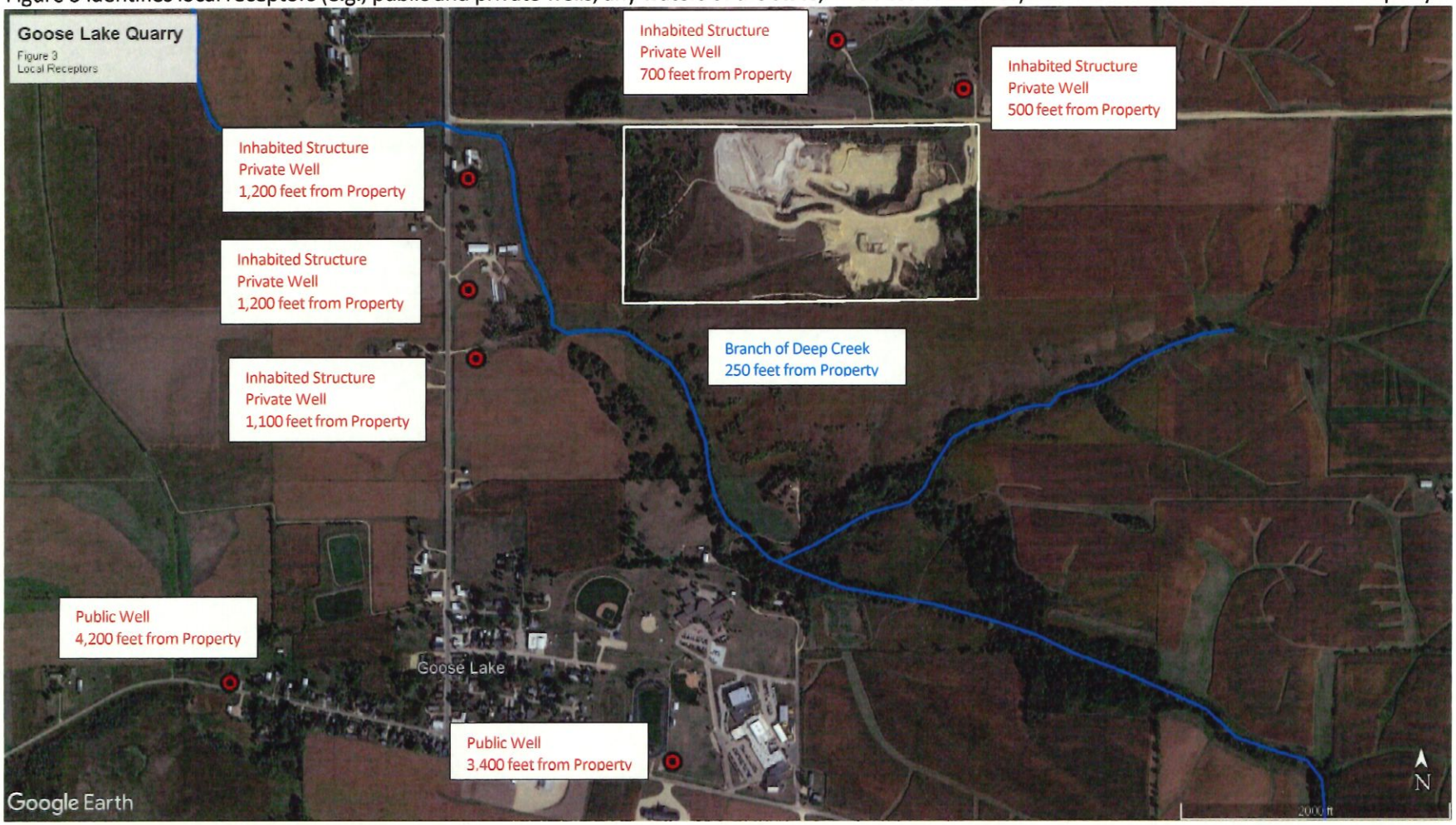


Figure 1: Property Boundary and 50' Setback



Figure 2: CCR Fill Areas

Figure 3 identifies local receptors (e.g., public and private wells, any waters of the state, inhabited structures) and shows the distances from the Property:



Reclamation, Final Cap Design, and Vegetative Cover:
Iowa Code Chapter 27-60.80(208), administered by IDALS, requires reclamation upon completion of mining operations. Ben Tech/WQI, upon filing a mine report indicating the conclusion of all mining activities, will have a period of three years to complete all reclamation activities on the Property. All lands affected by the mining process will be graded by Ben Tech and/or WQI to slopes having a maximum one (1) foot vertical rise for every four (4) feet horizontal distance or graded to blend with the surrounding terrain. Ben Tech/WQI will grade all remaining affected lands, except aggregate stockpiles and processing areas, to allowable slopes within six months following the filing of the final report. Aggregate stockpiles and processing areas will be graded or the material exported from the site within one year following the final report. In grading the Property all mining-related waste products and machinery incompatible with the care and growth of vegetation will be removed from the site and disposed of in a manner consistent and acceptable with state law. Seeding of an area with grasses and legumes will be done within three months following the conclusion of all earthwork, weather permitting. Erosion control methods will be used where necessary to prevent rill and gully formation. Ben Tech/WQI will plant a ground cover of acceptable species of grass, legume, or crop. The vegetation will be allowed at least one growing season to become established prior to the filing of a release request by Ben Tech/WQI. If necessary, additional seedings will be performed to establish a viable vegetative cover. Attachment 2 details the final cap design, vegetative cover, and is designed to blend with the surrounding terrain.

Fill Practices:
Processing of the CCR at Goose Lake Quarry begins with it being dumped from semi-trailers into the silo of the processing plant. The silo's total capacity is approximately 90 tons. An electronic sensor is built into the system that reads the material level to prevent overfilling. The silo is designed to maintain a vacuum to aid in dust control. An enclosure around the trailer is used to control fugitive dust emissions from the handling of the CCR. The CCR is then fed through a knife gate into a variable speed rotary vane feeder that will control the feed rate in relation to the metered water incorporation rate. Both are adjustable to insure a proper balance of moisture in the final product. The water and CCR are then processed through a dual auger mixer. If a mechanical failure were to occur with the feeding system a bypass is built into the system to allow material from the silo to bypass the feeder system and dump directly into the pug mill for processing. A tertiary system is present with water spray bars installed at the exit chute to insure that minimally the CCR is wetted prior to deposition in the reclamation area. All CCR is processed immediately upon arrival at Goose Lake Quarry and is never stockpiled.

At no time will the final 10 feet of final fill at Goose Lake Quarry have any total metal contaminant levels above the Statewide Standards for Contaminants in Soil as defined in 567 IAC 137. The final three feet will consist of clean topsoil as final cover to reclaim the area and will be in place within ninety days of completion of reclamation activities. This is a deep fill where only the surface will serve as growing media. As such, at a minimum the top three feet of clean topsoil shall have a pH greater than or equal to 5 and less than or equal to 8. Clean topsoil will be tested for pH compliance before it is placed as final cover. Fill material below the top 3 feet shall have a pH greater than or equal to 5 and less than or equal to 12. CCR accepted and processed at Goose Lake Quarry is tested quarterly for pH compliance. Periodically, lime is mixed with the CCR to maintain pH levels and amounts are recorded by site personnel.

The CCR is being placed at least five feet above the groundwater table. In 2006 before reclamation activities began, one temporary monitoring well was installed in the active quarry floor and one permanent monitoring well was installed on the quarry rim. It was determined the static water level of the groundwater table was 2.8 feet beneath the surface of the quarry floor. 5 feet of clean fill material was backfilled on the quarry floor to ensure the 5 foot separation distance was maintained. Currently the base elevation for all fill areas is 674.8' ASL. The CCR is not placed in a waterway, wetland, or any waters of the state. Hydric soils, wetland vegetation, and wetland hydrology are not present on the Property. Figure 4 is the National Wetlands Inventory map provided by the United States Fish and Wildlife Service. The CCR is not placed within the 100-year floodplain. Figure 5 is the 100-year floodplain map in relation to the Property. The CCR is not placed closer than 200 feet to a sinkhole or to a well that is being used or could be used for human or livestock water consumption (See Figure 3). The CCR is not putrescible.

Per Section VIII. Special Conditions (15) of the BUD Ben Tech will:

a. Control, minimize, or eliminate to the maximum extent feasible, post-closure infiltration of liquids into the deposited CCR and cover material and releases of material or contaminated runoff to the ground or surface waters or to the atmosphere.
b. Preclude the probability of future impoundment of water or sediment. All diversion and drainage structures will be maintained to prevent run-on and runoff erosion, or other damage to the final cover.
c. Include measures that provide for slope stability to prevent sloughing or movement of the final cover system. Where applicable, slopes will have a maximum one (1) foot vertical rise for every four (4) feet horizontal distance or graded to blend with the surrounding terrain. The integrity and effectiveness of the final cover system will be maintained to original specifications by making repairs as necessary to correct the effects of seeps, settling, subsidence, erosion, ponding, or other damaging events.
d. Minimize the need for further maintenance of the closed reclamation area. The vegetative cover will be reseeded as necessary to maintain good vegetative growth. Any invading vegetation whose root system could damage the final cover will be removed or destroyed as soon as possible. Upon closure, Ben Tech/WQI will monitor the final cover and vegetation on a monthly basis for the first year, until vegetation is well established. Documentation of monthly inspections will be maintained by Ben Tech/WQI and be made available at all reasonable times for inspection by the DNR.
e. A notation will be filed with the county recorder showing in perpetuity, for the purposes of title abstract, the existence of a beneficial fill project consisting of the above-referenced by-product, and that closure activities were performed in accordance with the Iowa DNR BUD and the reclamation regulations administered by IDALS. Ben Tech/WQI will submit a copy of the executed notation to the DNR within 90 days of the completion of reclamation activities.

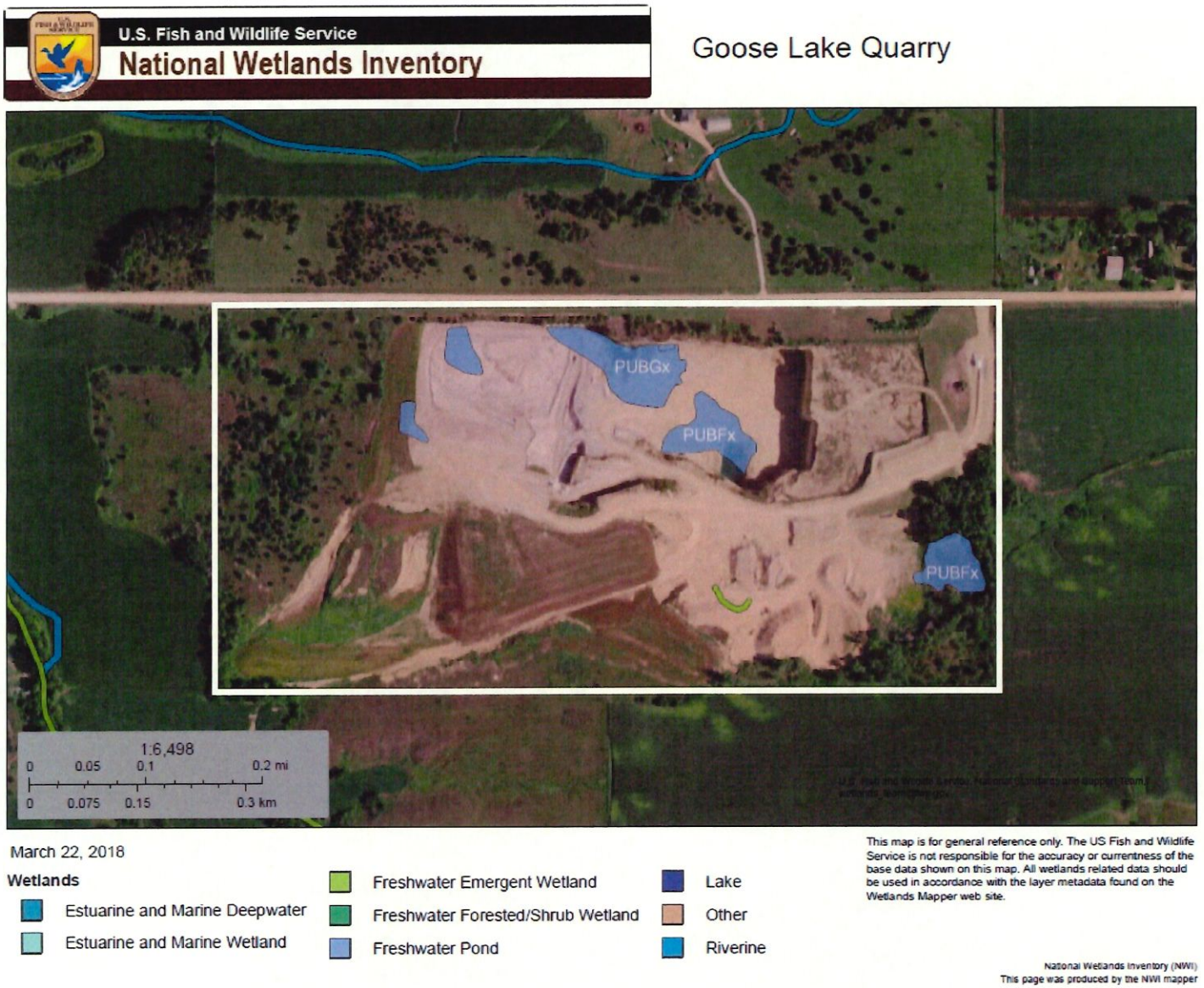
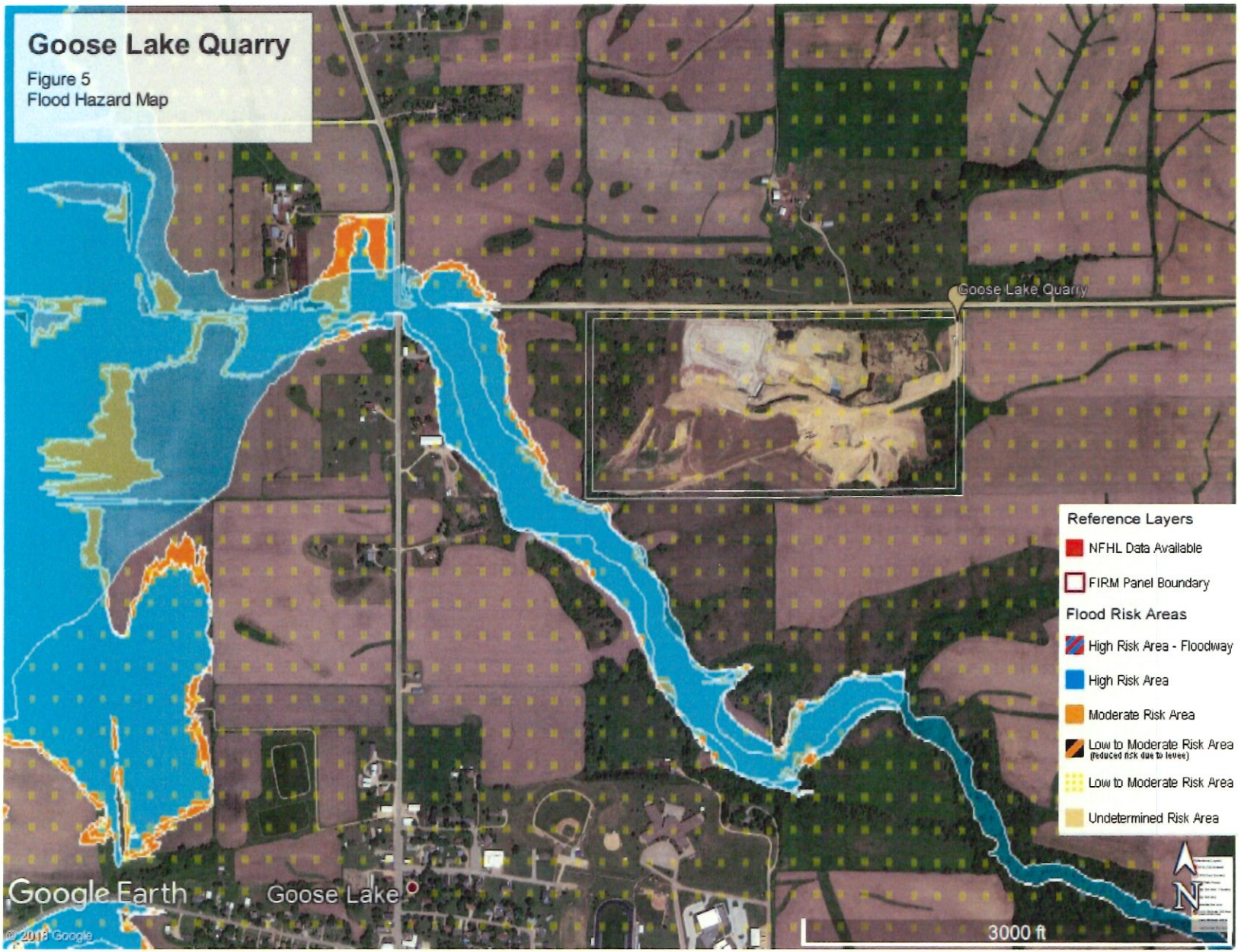


Figure 4. National Wetlands Inventory map


Goose Lake Quarry
Figure 5
Flood Hazard Map
Goose Lake Quarry
Reference Layers
NFHL Data Available
FIRM Panel Boundary
Flood Risk Areas
High Risk Area - Floodway
High Risk Area
Moderate Risk Area
Low to Moderate Risk Area
(reduced risk due to levee)
Low to Moderate Risk Area
Undetermined Risk Area
Google Earth
Goose Lake
© 2013 Google
3000 ft
N

LEGEND



WENDLING

Site: WQI-Gooselake

Survey: Sep 02, 2026

File created: Oct 26, 2026

propeller



DRAWN BY: JGS				/ /	
CHECKED BY: LMH				/ /	
APPROVED BY: LMH				/ /	
DATE: 04/20/18				/ /	
FIELD BOOK: XXX	NO.	REVISION DESCRIPTION	APPROVED	DATE	

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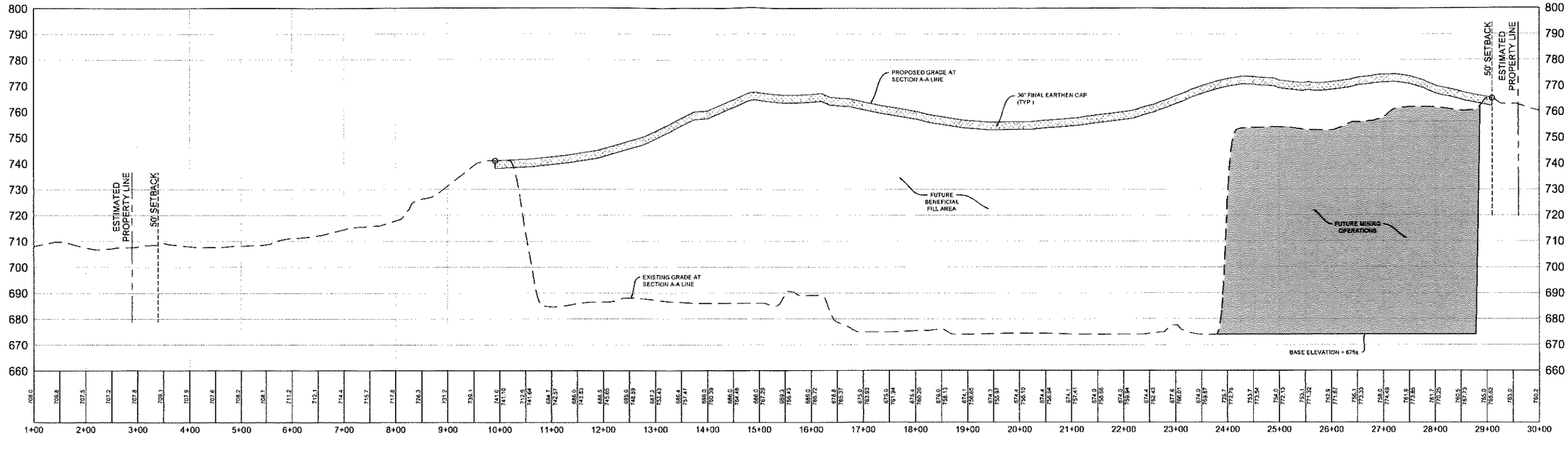
PROPOSED GRADING AND
SURFACE RESTORATION PLAN

PROJECT NO: 20346

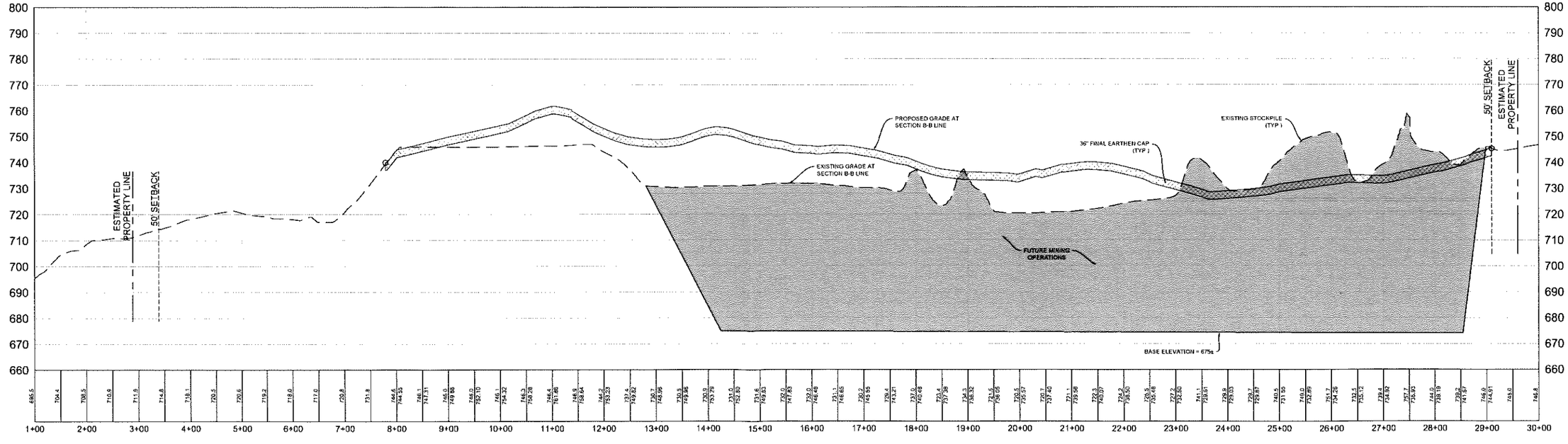
SHEET 1

C:\Projects\2020\20346 Wendling Quarry Goose Lake\DWG\Base\20346_BASE - Grading Around Pit.dwg Date Plotted: Apr 20, 2018 - 3:26pm Plotted By: JSTONE

SECTION A-A



SECTION B-B



DRAWN BY: JGS					CEDAR RAPIDS City of Five Seasons	HALL & HALL ENGINEERS, INC. *Leaders in Land Development Since 1857* 1860 BOYSON ROAD, HIAWATHA, IOWA 52233 PHONE: (319) 362-9549 FAX: (319) 362-7595 CIVIL ENGINEERING ● LANDSCAPE ARCHITECTURE LAND SURVEYING ● LAND DEVELOPMENT PLANNING www.hall-hall.com	WENDLING QUARRIES GOOSE LAKE IN CLINTON COUNTY, IA	SECTION VIEWS	SHEET 2
CHECKED BY: LMH									
APPROVED BY: LMH									
DATE: 04/20/18									
FIELD BOOK: XXX	NO.	REVISION DESCRIPTION	APPROVED	DATE				PROJECT NO: 20346	

CAD File: I:\Projects\20300\20346 Wendling Quarry Goose Lake\Civil\Base\20346_BASE - Grading Around Pit.dwg Date Plotted: Apr 20, 2018 - 3:36pm Plotted By: JSTONE

Iowa Department of Natural Resources

Beneficial Use Determination: Solid By-Product Management Plan

Analytical Testing Report

Beneficial Use ID#: 23 -BUD- 15 - 03

DNR Certified Lab: Pace Laboratories

Lab Report Date: 07/11/2026

By-Product Generator: ADM Cogeneraion

City: Clinton State: IA Zip: 52732

By-Product Name: Fly Ash

Send completed report form(s), laboratory analytics, and supplemental Solid By-Product Management Plan (SBMP) documentation to:

Iowa Department of Natural Resources
Land Quality Bureau
Solid Waste & Contaminated Sites Section
6200 Park Ave Ste 200
Des Moines, IA 50321

For questions concerning this report form please contact the DNR at (515) 201-8272.

ANALYTICAL TESTING RESULTS

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846).

Required		Synthetic Precipitation Leaching Procedure (EPA Test Method 1312)			Total Metals		
*	Contaminant	MCL	10 X MCL	Test Result	Regulatory Limit	Test Result	
☒	Antimony	0.006 mg/L	0.06 mg/L	<0.0030 mg/L	31 mg/kg	<3.0	mg/kg
☒	Arsenic	0.010 mg/L	0.10 mg/L	<0.0050 mg/L	17 mg/kg	6.5	mg/kg
☒	Barium	2.0 mg/L	20.0 mg/L	<0.50 mg/L	15,000 mg/kg	2,100	mg/kg
☒	Beryllium	0.004 mg/L	0.04 mg/L	<0.0010 mg/L	110 mg/kg	1.4	mg/kg
☒	Boron				16,000 mg/kg	280	mg/kg
☒	Cadmium	0.005 mg/L	0.05 mg/L	<0.0010 mg/L	70 mg/kg	<1.0	mg/kg
☒	Chromium	0.1 mg/L	1.0 mg/L	0.046 mg/L	**(Total)	23	mg/kg
					(Hexavalent - VI) 210 mg/kg		mg/kg
					(Trivalent - III) 97,000 mg/kg		mg/kg
☒	Cobalt				23 mg/kg	10	mg/kg
☒	Copper	1.3 mg/L	13.0 mg/L	<0.0250 mg/L	15,000 mg/kg	92	mg/kg
☒	Fluoride	4.0 mg/L	40.0 mg/L	0.68 mg/L	4,700 mg/kg	9.2	mg/kg
☒	Lead	0.015 mg/L	0.15 mg/L	0.005 mg/L	400 mg/kg	14	mg/kg
☒	Lithium				160 mg/kg	<50	mg/kg
☒	Manganese				10,000 mg/kg	300	mg/kg
☒	Mercury	0.002 mg/L	0.02 mg/L	<0.0005C mg/L	23 mg/kg	0.25	mg/kg
☒	Molybdenum				390 mg/kg	4.0	mg/kg
☒	Nickel				1,500 mg/kg	26	mg/kg
☒	Selenium	0.05 mg/L	0.5 mg/L	0.023 mg/L	390 mg/kg	8.8	mg/kg
☒	Silver				370 mg/kg	<5.0	mg/kg
☒	Thallium	0.002 mg/L	0.02 mg/L	<0.0010 mg/L	0.78 mg/kg	<0.50	mg/kg
☒	Vanadium				350 mg/kg	86	mg/kg
☒	Zinc				23,000 mg/kg	120	mg/kg

*Required contaminant

**If Total Chromium ≥210 mg/kg, further analysis shall be conducted to determine hexavalent and trivalent results.

Toxicity Characteristic Leaching Procedure (EPA Test Method 1311) - Regulatory Limits

Metals					Volatile Organic Compounds				
*	Contaminant	Regulatory Limit	Test Result		*	Contaminant	Regulatory Limit	Test Result	
☒	Arsenic	5.0 mg/L	<0.0050	mg/L	☐	Benzene	0.5 mg/L		mg/L
☒	Barium	100.0 mg/L	0.92	mg/L	☐	Carbon tetrachloride	0.5 mg/L		mg/L
☒	Cadmium	1.0 mg/L	<0.0010	mg/L	☐	Chlorobenzene	100.0 mg/L		mg/L
☒	Chromium	5.0 mg/L	0.048	mg/L	☐	Chloroform	6.0 mg/L		mg/L
☒	Lead	5.0 mg/L	0.0058	mg/L	☐	1,2-Dichloroethane	0.5 mg/L		mg/L
☒	Mercury	0.2 mg/L	<0.00050	mg/L	☐	1,1-Dichloroethylene	0.7 mg/L		mg/L
☒	Selenium	1.0 mg/L	0.022	mg/L	☐	Methyl ethyl ketone	200.0 mg/L		mg/L
☒	Silver	5.0 mg/L	<0.0050	mg/L	☐	Tetrachloroethylene	0.7 mg/L		mg/L
					☐	Trichloroethylene	0.5 mg/L		mg/L
					☐	Vinyl chloride	0.2 mg/L		mg/L
Pesticides					**Semi-Volatile Organic Compounds**				
*	Contaminant	Regulatory Limit	Test Result		*	Contaminant	Regulatory Limit	Test Result	
☐	Chlordane	0.03 mg/L		mg/L	☐	o-Cresol	200.0 mg/L		mg/L
☐	Endrin	0.02 mg/L		mg/L	☐	m-Cresol	200.0 mg/L		mg/L
☐	Heptachlor (and its epoxide)	0.008 mg/L		mg/L	☐	p-Cresol	200.0 mg/L		mg/L
☐	Lindane	0.4 mg/L		mg/L	☐	Cresol	200.0 mg/L		mg/L
☐	Methoxychlor	10.0 mg/L		mg/L	☐	1,4-Dichlorobenzene	7.5 mg/L		mg/L
☐	Toxaphene	0.5 mg/L		mg/L	☐	2,4-Dinitrotoluene	0.13 mg/L		mg/L
					☐	Hexachlorobenzene	0.13 mg/L		mg/L
					☐	Hexachlorobutadiene	0.5 mg/L		mg/L
					☐	Hexachloroethane	3.0 mg/L		mg/L
Herbicides					☐	Nitrobenzene	2.0 mg/L		mg/L
*	Contaminant	Regulatory Limit	Test Result		☐	Pentachlorophenol	100.0 mg/L		mg/L
☐	2,4-D	10.0 mg/L		mg/L	☐	Pyridine	5.0 mg/L		mg/L
☐	2,4,5-TP (Silvex)	1.0 mg/L		mg/L	☐	2,4,5-Trichlorophenol	400.0 mg/L		mg/L
					☐	2,4,6-Trichlorophenol	2.0 mg/L		mg/L

*Required contaminant

BY-PRODUCT GENERATOR CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature: Jason Dolash **Date:** 8-3-26

Printed Name: Jason Dolash **Title:** Cogen Site Manager

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

July 11, 2026

Bobby Peropat
Archer Daniels Midland - Clinton IA
1800 S 5th St
Clinton, IA 52732

RE: QUARTERLY ASH TESTING

Dear Bobby Peropat:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **6/9/26 2:56 pm** and logged in under work order **JF01782**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Elizabeth M. Shaw

Elizabeth Shaw
Project Manager
(309)683-1732
liz.shaw@pacelabs.com

Pace Analytical Services, LLC
2231 W. Altorfer Drive
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Case Narrative

There was no date or time of collection recorded on the COC. The client was notified and provided the information - Email correspondence is attached.

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: JF01782-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 06/08/26 10:00
Received: 06/09/26 14:56
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Elemental Analysis Corp									
PIXE -subcontracted	Sub Result Attached				1	1			Subcontracted

ANALYTICAL RESULTS

Sample: JF01782-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 06/08/26 10:00
Received: 06/09/26 14:56
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - IMEG CORP									
Sieve analysis	Sub Result Attached	Subcontract			1				See Attached

ANALYTICAL RESULTS

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
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ANALYTICAL RESULTS

Sample: JF01782-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 06/08/26 10:00
Received: 06/09/26 14:56
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
DI EXT WC - PIA									
Chloride	37	mg/L		06/19/26 18:04	10	10	06/19/26 18:04	JSM	EPA 300.0 REV 2.1
Cyanide	< 0.0050	mg/L	Q2, V2	06/22/26 17:00	1	0.0050	06/22/26 17:00	CRD	EPA Kelada-01*
Final pH	12	pH Units		06/18/26 09:51	1		06/18/26 09:51	ACH	ASTM D3987*
Final pH	12	mg/L		06/18/26 09:51	1		06/18/26 09:51	ACH	ASTM D3987*
Fluoride	0.68	mg/L		06/23/26 16:37	1	0.25	06/23/26 16:37	ANK	SM 4500-F C-2011
Sulfate	1700	mg/L		06/19/26 18:23	250	250	06/19/26 18:23	JSM	EPA 9056A
General Chemistry - PIA									
Calcium Carbonate Equivalent	85	% dry		06/17/26 12:55	1	1.0	06/17/26 12:55	TTH	Soil Analysis 91-4*
Fluoride	9.2	mg/kg		06/26/26 16:32	1	2.5	06/26/26 16:32	CRD	SM 4500-F C-2011
Solids - loss on ignition (LOI)	3.9	%		06/15/26 09:18	1	1.0	06/15/26 15:23	ENH	ASTM D2795 MOD*
Solids - paste total dissolved solids	4800	mg/L		06/10/26 13:09	1	17	06/11/26 00:00	ENH	SM 2540 C-2011
Solids - total solids (TS)	100	%		06/10/26 08:23	1	0.050	06/10/26 11:48	JMI	SM 2540G*
General Chemistry - STL									
pH paste	12	pH Units	E, H	07/10/26 11:23	1		07/10/26 11:42	CLH	EPA 9045D*
Semivolatile Organics - TCLP - STL									
1,4-Dichlorobenzene	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
2,4-Dinitrotoluene	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
Hexachlorobenzene	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
Hexachlorobutadiene	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
Hexachloroethane	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
2-Methylphenol	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
3- & 4-Methylphenol	< 0.0400	mg/L		06/18/26 08:00	1	0.0400	06/18/26 17:42	EMR	EPA 8270C
Nitrobenzene	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
Pentachlorophenol	< 0.100	mg/L		06/18/26 08:00	1	0.100	06/18/26 17:42	EMR	EPA 8270C
Pyridine	< 0.100	mg/L		06/18/26 08:00	1	0.100	06/18/26 17:42	EMR	EPA 8270C
2,4,5-Trichlorophenol	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
2,4,6-Trichlorophenol	< 0.0200	mg/L		06/18/26 08:00	1	0.0200	06/18/26 17:42	EMR	EPA 8270C
SPLP Metals - PIA									
Final pH	11.6			06/18/26 09:47	1	0.00	06/18/26 09:50	ACH	SW 1312*
Antimony	< 0.0030	mg/L		06/18/26 12:28	5	0.0030	06/19/26 14:41	TJJ	EPA 6020A
Arsenic	< 0.0050	mg/L		06/18/26 12:28	5	0.0050	06/19/26 14:41	TJJ	EPA 6020A

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Sample: JF01782-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 06/08/26 10:00
Received: 06/09/26 14:56
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Barium	< 0.50	mg/L		06/18/26 12:28	5	0.50	06/19/26 14:41	TJJ	EPA 6020A
Beryllium	< 0.0010	mg/L		06/18/26 12:28	5	0.0010	06/19/26 14:41	TJJ	EPA 6020A
Cadmium	< 0.0010	mg/L		06/18/26 12:28	5	0.0010	06/19/26 14:41	TJJ	EPA 6020A
Chromium	0.046	mg/L		06/18/26 12:28	5	0.0040	06/19/26 14:41	TJJ	EPA 6020A
Copper	< 0.025	mg/L		06/18/26 12:28	5	0.025	06/19/26 14:41	TJJ	EPA 6020A
Lead	< 0.005	mg/L		06/18/26 12:28	5	0.005	06/19/26 14:41	TJJ	EPA 6020A
Selenium	0.023	mg/L		06/18/26 12:28	5	0.0025	06/19/26 14:41	TJJ	EPA 6020A
Thallium	< 0.0010	mg/L		06/18/26 12:28	5	0.0010	06/19/26 14:41	TJJ	EPA 6020A
Mercury	< 0.00050	mg/L		06/18/26 12:28	5	0.00050	06/19/26 14:41	TJJ	EPA 6020A
TCLP Metals - PIA									
Antimony	< 0.0030	mg/L		06/18/26 12:29	5	0.0030	06/19/26 15:11	TJJ	EPA 6020A
Arsenic	< 0.0050	mg/L		06/18/26 12:29	5	0.0050	06/19/26 15:11	TJJ	EPA 6020A
Barium	0.92	mg/L		06/18/26 12:29	5	0.50	06/19/26 15:11	TJJ	EPA 6020A
Beryllium	< 0.0010	mg/L		06/18/26 12:29	5	0.0010	06/19/26 15:11	TJJ	EPA 6020A
Boron	< 0.25	mg/L		06/18/26 12:29	5	0.25	06/19/26 15:11	TJJ	EPA 6020A
Cadmium	< 0.0010	mg/L		06/18/26 12:29	5	0.0010	06/19/26 15:11	TJJ	EPA 6020A
Chromium	0.048	mg/L		06/18/26 12:29	5	0.0040	06/19/26 15:11	TJJ	EPA 6020A
Cobalt	< 0.0050	mg/L		06/18/26 12:29	5	0.0050	06/19/26 15:11	TJJ	EPA 6020A
Copper	< 0.050	mg/L		06/18/26 12:29	5	0.050	06/19/26 15:11	TJJ	EPA 6020A
Iron	32	ug/L		06/18/26 12:29	5	30	06/19/26 15:11	TJJ	EPA 6020A
Lead	0.0058	mg/L		06/18/26 12:29	5	0.0050	06/19/26 15:11	TJJ	EPA 6020A
Manganese	< 0.0010	mg/L		06/18/26 12:29	5	0.0010	06/19/26 15:11	TJJ	EPA 6020A
Nickel	< 0.010	mg/L		06/18/26 12:29	5	0.010	06/19/26 15:11	TJJ	EPA 6020A
Selenium	0.022	mg/L		06/18/26 12:29	5	0.0025	06/19/26 15:11	TJJ	EPA 6020A
Silver	< 0.0050	mg/L		06/18/26 12:29	5	0.0050	06/19/26 15:11	TJJ	EPA 6020A
Thallium	< 0.0010	mg/L		06/18/26 12:29	5	0.0010	06/19/26 15:11	TJJ	EPA 6020A
Mercury	< 0.00050	mg/L		06/18/26 12:29	5	0.00050	06/19/26 15:11	TJJ	EPA 6020A
Zinc	< 0.50	mg/L		06/18/26 12:29	5	0.50	06/19/26 15:11	TJJ	EPA 6020A
TCLP Metals - STL									
TCLP 1311 Extraction	0.0			06/12/26 12:10	1		06/15/26 08:00	TWH	SW 1311
TCLP WC - STL									
Phenol	< 0.10	mg/L		06/15/26 12:00	1	0.10	06/15/26 15:36	KLS	EPA 420.1
Total Metals - PIA									

Pace Analytical Services, LLC
2231 W. Altorfer Drive
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ANALYTICAL RESULTS

Sample: JF01782-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 06/08/26 10:00
Received: 06/09/26 14:56
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Antimony	< 3.0	mg/kg		06/17/26 12:52	10	3.0	06/22/26 14:51	TJJ	EPA 6020A
Arsenic	6.5	mg/kg		06/17/26 12:52	10	1.0	06/22/26 14:51	TJJ	EPA 6020A
Beryllium	1.4	mg/kg		06/17/26 12:52	10	1.0	06/22/26 14:51	TJJ	EPA 6020A
Cadmium	< 1.0	mg/kg		06/17/26 12:52	10	1.0	06/22/26 14:51	TJJ	EPA 6020A
Barium	2100	mg/kg		06/17/26 12:52	10	10	06/25/26 14:38	TJJ	EPA 6010B
Chromium	23	mg/kg		06/17/26 12:52	10	4.0	06/22/26 14:51	TJJ	EPA 6020A
Cobalt	10	mg/kg dry		06/17/26 12:52	10	2.0	06/22/26 14:51	TJJ	EPA 6020A
Copper	92	mg/kg		06/23/26 15:15	10	3.0	06/24/26 14:59	WJM	EPA 6020A
Iron	15000	mg/kg dry		06/17/26 12:52	10	30	06/22/26 14:51	TJJ	EPA 6020A
Lead	14	mg/kg		06/17/26 12:52	10	1.0	06/22/26 14:51	TJJ	EPA 6020A
Boron	280	mg/kg		06/17/26 12:52	10	50	06/25/26 14:38	TJJ	EPA 6010B
Manganese	300	mg/kg		06/17/26 12:52	10	1.0	06/22/26 14:51	TJJ	EPA 6020A
Molybdenum	4.0	mg/kg		06/17/26 12:52	10	1.0	06/22/26 14:51	TJJ	EPA 6020A
Nickel	26	mg/kg		06/17/26 12:52	10	5.0	06/22/26 14:51	TJJ	EPA 6020A
Calcium	250000	mg/kg		06/17/26 12:52	100	5000	06/26/26 11:16	TJJ	EPA 6010B
Selenium	8.8	mg/kg		06/17/26 12:52	10	1.0	06/22/26 14:51	TJJ	EPA 6020A
Silver	< 5.0	mg/kg		06/17/26 12:52	10	5.0	06/22/26 14:51	TJJ	EPA 6020A
Thallium	< 0.50	mg/kg		06/17/26 12:52	10	0.50	06/22/26 14:51	TJJ	EPA 6020A
Vanadium	86	mg/kg		06/17/26 12:52	10	5.0	06/22/26 14:51	TJJ	EPA 6020A
Mercury	0.25	mg/kg		06/17/26 12:52	10	0.20	06/22/26 14:51	TJJ	EPA 6020A
Zinc	120	mg/kg		06/17/26 12:52	10	6.0	06/22/26 14:51	TJJ	EPA 6020A
Lithium	< 50	mg/kg		06/17/26 12:52	10	50	06/24/26 15:04	TJJ	EPA 6010B
Sulfur	32000	mg/kg	B2	06/17/26 12:52	100	1000	06/26/26 11:17	TJJ	EPA 6010B*
Volatile Organics - TCLP - STL									
Benzene	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
2-Butanone	< 1.00	mg/L		06/15/26 12:41	10	1.00	06/15/26 19:20	NHL	EPA 8260B
Carbon tetrachloride	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
Chlorobenzene	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
Chloroform	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
1,4-Dichlorobenzene	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
1,2-Dichloroethane	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
1,1-Dichloroethene	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
Tetrachloroethene	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
Trichloroethene	< 0.250	mg/L		06/15/26 12:41	10	0.250	06/15/26 19:20	NHL	EPA 8260B
Vinyl chloride	< 0.200	mg/L		06/15/26 12:41	10	0.200	06/15/26 19:20	NHL	EPA 8260B

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B635230 - No Prep - SM 2540G									
Blank (B635230-BLK1)				Prepared & Analyzed: 06/10/26					
Solids - total solids (TS)	< 0.050	%							
Duplicate (B635230-DUP1)	**Sample: JF01443-03**			Prepared & Analyzed: 06/10/26					
Solids - total solids (TS)	89.6	%			89.4			0.2	5
Duplicate (B635230-DUP2)	**Sample: JF01443-04**			Prepared & Analyzed: 06/10/26					
Solids - total solids (TS)	89.9	%			89.8			0.1	5
Batch B635290 - No Prep - SM 2540 C-2011									
Blank (B635290-BLK1)				Prepared: 06/10/26 Analyzed: 06/11/26					
Solids - paste total dissolved solids	< 17	mg/L							
LCS (B635290-BS1)				Prepared: 06/10/26 Analyzed: 06/11/26					
Solids - paste total dissolved solids	963	mg/L					84.9-109		
Duplicate (B635290-DUP1)	**Sample: JF01782-01**			Prepared: 06/10/26 Analyzed: 06/11/26					
Solids - paste total dissolved solids	4930	mg/L			4770			3	20
Batch B635511 - 04-SW 1311 - TCLP - SW 1311									
Blank (B635511-BLK1)				Prepared: 06/12/26 Analyzed: 06/15/26					
TCLP 1311 Extraction	0.00	[blank]							
Batch B635586 - No Prep - ASTM D2795 MOD									
Blank (B635586-BLK1)				Prepared & Analyzed: 06/15/26					
Solids - loss on ignition (LOI)	150	%							
Duplicate (B635586-DUP1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/15/26					
Solids - loss on ignition (LOI)	3.88	%			3.91			0.6	20
Batch B635615 - 04-No Prep WC - EPA 420.1									
Blank (B635615-BLK1)				Prepared & Analyzed: 06/15/26					
Phenol	< 0.050	mg/L							
LCS (B635615-BS1)				Prepared & Analyzed: 06/15/26					
Phenol	0.493	mg/L		0.5000		99	90-110		
Matrix Spike (B635615-MS1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/15/26					
Phenol	0.972	mg/L		1.000	ND	97	75-125		
Matrix Spike Dup (B635615-MSD1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/15/26					
Phenol	0.958	mg/L		1.000	ND	96	75-125	1	20
Batch B635621 - 04-No Prep VOA - EPA 8260B									
Blank (B635621-BLK1)				Prepared & Analyzed: 06/15/26					
Benzene	< 0.0250	mg/L							
2-Butanone	< 0.100	mg/L							
Carbon tetrachloride	< 0.0250	mg/L							
Chlorobenzene	< 0.0250	mg/L							
Chloroform	< 0.0250	mg/L							
1,4-Dichlorobenzene	< 0.0250	mg/L							
1,2-Dichloroethane	< 0.0250	mg/L							

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B635621-BLK1)				Prepared & Analyzed: 06/15/26					
1,1-Dichloroethene	< 0.0250	mg/L							
Tetrachloroethene	< 0.0250	mg/L							
Trichloroethene	< 0.0250	mg/L							
Vinyl chloride	< 0.0200	mg/L							
Surrogate: 4-Bromofluorobenzene	*50.5*	*ug/L*		*50.00*		*101*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*49.7*	*ug/L*		*50.00*		*99*	*59.3-154*		
Surrogate: Toluene-d8	*47.2*	*ug/L*		*50.00*		*94*	*72.3-143*		
LCS (B635621-BS1)				Prepared & Analyzed: 06/15/26					
Benzene	0.0513	mg/L		0.05000		103	67.3-142		
2-Butanone	0.109	mg/L		0.1000		109	67.7-148		
Carbon tetrachloride	0.0491	mg/L		0.05000		98	69.4-145		
Chlorobenzene	0.0502	mg/L		0.05000		100	72.4-124		
Chloroform	0.0449	mg/L		0.05000		90	61.6-135		
1,4-Dichlorobenzene	0.0497	mg/L		0.05000		99	68-127		
1,2-Dichloroethane	0.0493	mg/L		0.05000		99	66.6-139		
1,1-Dichloroethene	0.0492	mg/L		0.05000		98	66.3-136		
Tetrachloroethene	0.0492	mg/L		0.05000		98	70.7-125		
Trichloroethene	0.0504	mg/L		0.05000		101	73.9-143		
Vinyl chloride	0.0583	mg/L		0.05000		117	59.7-148		
Surrogate: 4-Bromofluorobenzene	*50.4*	*ug/L*		*50.00*		*101*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*52.5*	*ug/L*		*50.00*		*105*	*59.3-154*		
Surrogate: Toluene-d8	*50.6*	*ug/L*		*50.00*		*101*	*72.3-143*		
LCS Dup (B635621-BSD1)				Prepared & Analyzed: 06/15/26					
Benzene	0.0530	mg/L		0.05000		106	67.3-142	3	20
2-Butanone	0.121	mg/L		0.1000		121	67.7-148	11	20
Carbon tetrachloride	0.0516	mg/L		0.05000		103	69.4-145	5	20
Chlorobenzene	0.0520	mg/L		0.05000		104	72.4-124	4	20
Chloroform	0.0466	mg/L		0.05000		93	61.6-135	4	20
1,4-Dichlorobenzene	0.0508	mg/L		0.05000		102	68-127	2	20
1,2-Dichloroethane	0.0524	mg/L		0.05000		105	66.6-139	6	20
1,1-Dichloroethene	0.0501	mg/L		0.05000		100	66.3-136	2	20
Tetrachloroethene	0.0502	mg/L		0.05000		100	70.7-125	2	20
Trichloroethene	0.0514	mg/L		0.05000		103	73.9-143	2	20
Vinyl chloride	0.0564	mg/L		0.05000		113	59.7-148	3	20
Surrogate: 4-Bromofluorobenzene	*50.2*	*ug/L*		*50.00*		*100*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*54.1*	*ug/L*		*50.00*		*108*	*59.3-154*		
Surrogate: Toluene-d8	*50.8*	*ug/L*		*50.00*		*102*	*72.3-143*		
Leach Fluid Blank (B635621-LBK1)				Prepared & Analyzed: 06/15/26					
Benzene	< 0.250	mg/L							
2-Butanone	< 1.00	mg/L							
Carbon tetrachloride	< 0.250	mg/L							
Chlorobenzene	< 0.250	mg/L							
Chloroform	< 0.250	mg/L							
1,4-Dichlorobenzene	< 0.250	mg/L							
1,2-Dichloroethane	< 0.250	mg/L							

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Leach Fluid Blank (B635621-LBK1)				Prepared & Analyzed: 06/15/26					
1,1-Dichloroethene	< 0.250	mg/L							
Tetrachloroethene	< 0.250	mg/L							
Trichloroethene	< 0.250	mg/L							
Vinyl chloride	< 0.200	mg/L							
Surrogate: 4-Bromofluorobenzene	*52.0*	*ug/L*		*50.00*		*104*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*51.5*	*ug/L*		*50.00*		*103*	*59.3-154*		
Surrogate: Toluene-d8	*48.9*	*ug/L*		*50.00*		*98*	*72.3-143*		
Batch B635677 - No Prep - Soil Analysis 91-4									
Blank (B635677-BLK1)				Prepared & Analyzed: 06/17/26					
Calcium Carbonate Equivalent	< 1.0	% wet							
Duplicate (B635677-DUP1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/17/26					
Calcium Carbonate Equivalent	84.6	% dry			85.3			0.8	20
Batch B635803 - 04 SW 3510 (625/8270) - EPA 8270C									
Blank (B635803-BLK1)				Prepared & Analyzed: 06/17/26					
1,4-Dichlorobenzene	< 0.0200	mg/L							
2,4-Dinitrotoluene	< 0.0200	mg/L							
Hexachlorobenzene	< 0.0200	mg/L							
Hexachlorobutadiene	< 0.0200	mg/L							
Hexachloroethane	< 0.0200	mg/L							
2-Methylphenol	< 0.0200	mg/L							
3- & 4-Methylphenol	< 0.0400	mg/L							
Nitrobenzene	< 0.0200	mg/L							
Pentachlorophenol	< 0.100	mg/L							
Pyridine	< 0.100	mg/L							
2,4,5-Trichlorophenol	< 0.0200	mg/L							
2,4,6-Trichlorophenol	< 0.0200	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.270*	*mg/L*		*0.5000*		*54*	*27.5-120*		
Surrogate: 2-Fluorophenol	*0.488*	*mg/L*		*0.8000*		*61*	*23.3-120*		
Surrogate: Nitrobenzene-d5	*0.265*	*mg/L*		*0.5000*		*53*	*30.6-120*		
Surrogate: Phenol-d6	*0.446*	*mg/L*		*0.8000*		*56*	*22.6-120*		
Surrogate: 4-Terphenyl-d14	*0.287*	*mg/L*		*0.5000*		*57*	*21.8-120*		
Surrogate: 2,4,6-Tribromophenol	*0.502*	*mg/L*		*0.8000*		*63*	*18.6-120*		
LCS (B635803-BS1)				Prepared & Analyzed: 06/17/26					
1,4-Dichlorobenzene	0.446	mg/L		0.8000		56	32.6-120		
2,4-Dinitrotoluene	0.483	mg/L		0.8000		60	29.5-120		
Hexachlorobenzene	0.460	mg/L		0.8000		57	23.8-120		
Hexachlorobutadiene	0.459	mg/L		0.8000		57	30.5-120		
Hexachloroethane	0.410	mg/L		0.8000		51	33.2-120		
2-Methylphenol	0.453	mg/L		0.8000		57	36.6-120		
3- & 4-Methylphenol	0.504	mg/L		0.8000		63	40.3-120		
Nitrobenzene	0.458	mg/L		0.8000		57	32.6-120		
Pentachlorophenol	0.490	mg/L		0.8000		61	20.5-120		
Pyridine	0.246	mg/L		0.8000		31	12-120		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B635803-BS1)				Prepared & Analyzed: 06/17/26					
2,4,5-Trichlorophenol	0.498	mg/L		0.8000		62	31.9-120		
2,4,6-Trichlorophenol	0.494	mg/L		0.8000		62	31.7-120		
Surrogate: 2-Fluorobiphenyl	*0.281*	*mg/L*		*0.5000*		*56*	*27.5-120*		
Surrogate: 2-Fluorophenol	*0.487*	*mg/L*		*0.8000*		*61*	*23.3-120*		
Surrogate: Nitrobenzene-d5	*0.278*	*mg/L*		*0.5000*		*56*	*30.6-120*		
Surrogate: Phenol-d6	*0.452*	*mg/L*		*0.8000*		*56*	*22.6-120*		
Surrogate: 4-Terphenyl-d14	*0.299*	*mg/L*		*0.5000*		*60*	*21.8-120*		
Surrogate: 2,4,6-Tribromophenol	*0.534*	*mg/L*		*0.8000*		*67*	*18.6-120*		
Matrix Spike (B635803-MS1)	**Sample: JF01905-01**			Prepared & Analyzed: 06/17/26					
1,4-Dichlorobenzene	0.508	mg/L		0.8000	ND	63	36.1-120		
2,4-Dinitrotoluene	0.538	mg/L		0.8000	ND	67	36.5-120		
Hexachlorobenzene	0.459	mg/L		0.8000	ND	57	23-120		
Hexachlorobutadiene	0.487	mg/L		0.8000	ND	61	34.4-120		
Hexachloroethane	0.471	mg/L		0.8000	ND	59	33.7-120		
2-Methylphenol	0.492	mg/L		0.8000	ND	62	36.2-120		
3- & 4-Methylphenol	0.555	mg/L		0.8000	0.00320	69	36.6-120		
Nitrobenzene	0.507	mg/L		0.8000	ND	63	34.2-120		
Pentachlorophenol	0.454	mg/L		0.8000	0.0328	53	10.3-120		
Pyridine	0.413	mg/L		0.8000	ND	52	12.7-120		
2,4,5-Trichlorophenol	0.531	mg/L		0.8000	ND	66	36.9-120		
2,4,6-Trichlorophenol	0.544	mg/L		0.8000	ND	68	37.2-120		
Surrogate: 2-Fluorobiphenyl	*0.300*	*mg/L*		*0.5000*		*60*	*27.5-120*		
Surrogate: 2-Fluorophenol	*0.514*	*mg/L*		*0.8000*		*64*	*23.3-120*		
Surrogate: Nitrobenzene-d5	*0.294*	*mg/L*		*0.5000*		*59*	*30.6-120*		
Surrogate: Phenol-d6	*0.000800*	*mg/L*	*Q3*	*0.8000*		*0.1*	*22.6-120*		
Surrogate: 4-Terphenyl-d14	*0.293*	*mg/L*		*0.5000*		*59*	*21.8-120*		
Surrogate: 2,4,6-Tribromophenol	*0.519*	*mg/L*		*0.8000*		*65*	*18.6-120*		
Matrix Spike Dup (B635803-MSD1)	**Sample: JF01905-01**			Prepared & Analyzed: 06/17/26					
1,4-Dichlorobenzene	0.493	mg/L		0.8000	ND	62	36.1-120	3	40
2,4-Dinitrotoluene	0.522	mg/L		0.8000	ND	65	36.5-120	3	40
Hexachlorobenzene	0.484	mg/L		0.8000	ND	60	23-120	5	40
Hexachlorobutadiene	0.506	mg/L		0.8000	ND	63	34.4-120	4	40
Hexachloroethane	0.460	mg/L		0.8000	ND	58	33.7-120	2	40
2-Methylphenol	0.486	mg/L		0.8000	ND	61	36.2-120	1	40
3- & 4-Methylphenol	0.543	mg/L		0.8000	0.00320	67	36.6-120	2	40
Nitrobenzene	0.498	mg/L		0.8000	ND	62	34.2-120	2	40
Pentachlorophenol	0.440	mg/L		0.8000	0.0328	51	10.3-120	3	40
Pyridine	0.206	mg/L	Q3	0.8000	ND	26	12.7-120	67	40
2,4,5-Trichlorophenol	0.507	mg/L		0.8000	ND	63	36.9-120	5	40
2,4,6-Trichlorophenol	0.535	mg/L		0.8000	ND	67	37.2-120	2	40
Surrogate: 2-Fluorobiphenyl	*0.301*	*mg/L*		*0.5000*		*60*	*27.5-120*		
Surrogate: 2-Fluorophenol	*0.507*	*mg/L*		*0.8000*		*63*	*23.3-120*		
Surrogate: Nitrobenzene-d5	*0.286*	*mg/L*		*0.5000*		*57*	*30.6-120*		
Surrogate: Phenol-d6	*0.000800*	*mg/L*	*Q3*	*0.8000*		*0.1*	*22.6-120*		
Surrogate: 4-Terphenyl-d14	*0.305*	*mg/L*		*0.5000*		*61*	*21.8-120*		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B635803-MSD1)	**Sample: JF01905-01**			Prepared & Analyzed: 06/17/26					
Surrogate: 2,4,6-Tribromophenol	*0.508*	*mg/L*		*0.8000*		*63*	*18.6-120*		
Batch B635852 - SW 3051 - EPA 6010B									
Blank (B635852-BLK1)				Prepared: 06/17/26 Analyzed: 06/25/26					
Barium	< 10	mg/kg							
Boron	< 30	mg/kg							
Calcium	< 500	mg/kg							
Lithium	< 50	mg/kg							
Sulfur	16.4	mg/kg	B2						
LCS (B635852-BS1)				Prepared: 06/17/26 Analyzed: 06/25/26					
Barium	49.0	mg/kg		50.00		98	80-120		
Boron	51.3	mg/kg		50.00		103	80-120		
Calcium	4840	mg/kg		5000		97	80-120		
Lithium	44.2	mg/kg		50.00		88	80-120		
Sulfur	54.4	mg/kg		50.00		109	80-120		
Matrix Spike (B635852-MS1)	**Sample: JE02966-01**			Prepared: 06/17/26 Analyzed: 06/25/26					
Barium	31.7	mg/kg		4.962	26.8	99	75-125		
Boron	5.86	mg/kg		4.962	ND	118	75-125		
Calcium	1070	mg/kg		496.2	617	91	75-125		
Matrix Spike Dup (B635852-MSD1)	**Sample: JE02966-01**			Prepared: 06/17/26 Analyzed: 06/25/26					
Barium	32.1	mg/kg		4.954	26.8	107	75-125	1	20
Boron	5.80	mg/kg		4.954	ND	117	75-125	1	20
Calcium	1060	mg/kg		495.4	617	90	75-125	0.9	20
Batch B635852 - SW 3051 - EPA 6020A									
Blank (B635852-BLK1)				Prepared: 06/17/26 Analyzed: 06/22/26					
Antimony	< 3.0	mg/kg							
Arsenic	< 1.0	mg/kg							
Beryllium	< 1.0	mg/kg							
Cadmium	< 1.0	mg/kg							
Chromium	< 4.0	mg/kg							
Cobalt	< 2.0	mg/kg wet							
Iron	< 30	mg/kg wet							
Lead	< 1.0	mg/kg							
Manganese	< 1.0	mg/kg							
Molybdenum	< 1.0	mg/kg							
Nickel	< 5.0	mg/kg							
Selenium	< 1.0	mg/kg							
Silver	< 5.0	mg/kg							
Thallium	< 0.50	mg/kg							
Vanadium	< 5.0	mg/kg							
Zinc	< 6.0	mg/kg							
Mercury	< 0.20	mg/kg							
LCS (B635852-BS1)				Prepared: 06/17/26 Analyzed: 06/22/26					
Antimony	50.0	mg/kg		50.00		100	80-120		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B635852-BS1)				Prepared: 06/17/26 Analyzed: 06/22/26					
Arsenic	47.1	mg/kg		50.00		94	80-120		
Beryllium	46.8	mg/kg		50.00		94	80-120		
Cadmium	47.5	mg/kg		50.00		95	80-120		
Chromium	47.8	mg/kg		50.00		96	80-120		
Cobalt	49.0	mg/kg wet		50.00		98	80-120		
Iron	48.5	mg/kg wet		50.00		97	80-120		
Lead	48.9	mg/kg		50.00		98	80-120		
Manganese	48.1	mg/kg		50.00		96	80-120		
Molybdenum	47.2	mg/kg		50.00		94	80-120		
Nickel	48.8	mg/kg		50.00		98	80-120		
Selenium	47.6	mg/kg		50.00		95	80-120		
Silver	47.5	mg/kg		50.00		95	80-120		
Thallium	49.4	mg/kg		50.00		99	80-120		
Vanadium	48.1	mg/kg		50.00		96	80-120		
Mercury	5.00	mg/kg		5.000		100	80-120		
Zinc	49.0	mg/kg		50.00		98	80-120		
Matrix Spike (B635852-MS1)	**Sample: JE02966-01**			Prepared: 06/17/26 Analyzed: 06/22/26					
Antimony	4.70	mg/kg		4.962		95	75-125		
Arsenic	4.59	mg/kg		4.962		93	75-125		
Beryllium	4.52	mg/kg		4.962		91	75-125		
Cadmium	4.64	mg/kg		4.962		94	75-125		
Chromium	9.48	mg/kg	Q1	4.962		191	75-125		
Cobalt	172	mg/kg dry		179.0		96	75-125		
Iron	153000	mg/kg dry	Q4	179.0		NR	75-125		
Lead	5.28	mg/kg		4.962		106	75-125		
Manganese	44.4	mg/kg	Q4	4.962		894	75-125		
Molybdenum	4.75	mg/kg		4.962		96	75-125		
Nickel	6.09	mg/kg		4.962		123	75-125		
Selenium	4.59	mg/kg		4.962		93	75-125		
Silver	4.63	mg/kg		4.962		93	75-125		
Thallium	4.70	mg/kg		4.962		95	75-125		
Vanadium	5.18	mg/kg		4.962		104	75-125		
Mercury	0.386	mg/kg		0.4962		78	75-125		
Zinc	17.7	mg/kg	Q1	4.962		357	75-125		
Matrix Spike Dup (B635852-MSD1)	**Sample: JE02966-01**			Prepared: 06/17/26 Analyzed: 06/22/26					
Antimony	4.84	mg/kg		4.954		98	75-125	3	20
Arsenic	4.72	mg/kg		4.954		95	75-125	3	20
Beryllium	4.60	mg/kg		4.954		93	75-125	2	20
Cadmium	4.73	mg/kg		4.954		95	75-125	2	20
Chromium	9.78	mg/kg	Q2	4.954		197	75-125	3	20
Cobalt	180	mg/kg dry		178.7		101	75-125	4	20
Iron	157000	mg/kg dry	Q4	178.7		NR	75-125	3	20
Lead	5.48	mg/kg		4.954		111	75-125	4	20
Manganese	45.2	mg/kg	Q4	4.954		913	75-125	2	20
Molybdenum	4.85	mg/kg		4.954		98	75-125	2	20

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B635852-MSD1)	**Sample: JE02966-01**			Prepared: 06/17/26 Analyzed: 06/22/26					
Nickel	6.27	mg/kg	Q2	4.954		126	75-125	3	20
Selenium	4.73	mg/kg		4.954		95	75-125	3	20
Silver	4.75	mg/kg		4.954		96	75-125	3	20
Thallium	4.88	mg/kg		4.954		99	75-125	4	20
Vanadium	5.27	mg/kg		4.954		106	75-125	2	20
Zinc	18.1	mg/kg	Q2	4.954		365	75-125	2	20
Mercury	0.394	mg/kg		0.4954		80	75-125	2	20
Batch B635924 - SPLP Prep - SW 1312									
Blank (B635924-BLK1)				Prepared & Analyzed: 06/18/26					
Final pH	< 0.00	[blank]							
Batch B635928 - DI Prep - ASTM D3987									
Blank (B635928-BLK1)				Prepared & Analyzed: 06/18/26					
Final pH	0.00	pH Units							
Final pH	0.00	mg/L							
Batch B635951 - SW 3015 SPLP - EPA 6020A									
Blank (B635951-BLK1)				Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	< 0.0030	mg/L							
Arsenic	< 0.0050	mg/L							
Barium	< 0.50	mg/L							
Beryllium	< 0.0010	mg/L							
Cadmium	< 0.0010	mg/L							
Chromium	< 0.0040	mg/L							
Copper	0.0247	mg/L							
Lead	< 0.005	mg/L							
Selenium	< 0.0025	mg/L							
Thallium	< 0.0010	mg/L							
Mercury	< 0.00050	mg/L							
LCS (B635951-BS1)				Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	2.65	mg/L		2.778		95	80-120		
Arsenic	2.70	mg/L		2.778		97	80-120		
Barium	2.63	mg/L		2.778		95	80-120		
Beryllium	2.79	mg/L		2.778		101	80-120		
Cadmium	2.67	mg/L		2.778		96	80-120		
Chromium	2.69	mg/L		2.778		97	80-120		
Copper	2.78	mg/L		2.778		100	80-120		
Lead	2.82	mg/L		2.778		101	80-120		
Selenium	2.65	mg/L		2.778		95	80-120		
Thallium	2.82	mg/L		2.778		102	80-120		
Mercury	0.0510	mg/L		0.05556		92	80-120		
Matrix Spike (B635951-MS1)	**Sample: JF01782-01**			Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	2.65	mg/L		2.778	ND	95	50-150		
Arsenic	2.70	mg/L		2.778	ND	97	50-150		

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B635951-MS1)	**Sample: JF01782-01**			Prepared: 06/18/26 Analyzed: 06/19/26					
Barium	2.78	mg/L		2.778	0.202	93	50-150		
Beryllium	2.68	mg/L		2.778	ND	96	50-150		
Cadmium	2.62	mg/L		2.778	ND	94	50-150		
Chromium	2.71	mg/L		2.778	0.0459	96	50-150		
Copper	2.65	mg/L		2.778	ND	95	50-150		
Lead	2.75	mg/L		2.778	0.0049	99	50-150		
Selenium	2.61	mg/L		2.778	0.0227	93	50-150		
Thallium	2.75	mg/L		2.778	ND	99	50-150		
Mercury	0.0496	mg/L		0.05556	ND	89	50-150		
Matrix Spike Dup (B635951-MSD1)	**Sample: JF01782-01**			Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	2.63	mg/L		2.778	ND	95	50-150	0.9	20
Arsenic	2.70	mg/L		2.778	ND	97	50-150	0.009	20
Barium	2.74	mg/L		2.778	0.202	91	50-150	1	20
Beryllium	2.69	mg/L		2.778	ND	97	50-150	0.4	20
Cadmium	2.63	mg/L		2.778	ND	95	50-150	0.4	20
Chromium	2.69	mg/L		2.778	0.0459	95	50-150	0.9	20
Copper	2.67	mg/L		2.778	ND	96	50-150	1	20
Lead	2.74	mg/L		2.778	0.0049	98	50-150	0.5	20
Selenium	2.60	mg/L		2.778	0.0227	93	50-150	0.2	20
Thallium	2.76	mg/L		2.778	ND	99	50-150	0.5	20
Mercury	0.0504	mg/L		0.05556	ND	91	50-150	2	20
Batch B635952 - SW 3015 TCLP - EPA 6020A									
Blank (B635952-BLK1)				Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	< 0.0030	mg/L							
Arsenic	< 0.0050	mg/L							
Barium	< 0.50	mg/L							
Beryllium	< 0.0010	mg/L							
Boron	< 0.25	mg/L							
Cadmium	< 0.0010	mg/L							
Chromium	< 0.0040	mg/L							
Cobalt	< 0.0050	mg/L							
Copper	0.0440	mg/L							
Iron	< 30	ug/L							
Lead	< 0.0050	mg/L							
Manganese	< 0.0010	mg/L							
Nickel	0.00622	mg/L							
Selenium	< 0.0025	mg/L							
Silver	< 0.0050	mg/L							
Thallium	< 0.0010	mg/L							
Mercury	< 0.00050	mg/L							
Zinc	< 0.50	mg/L							
LCS (B635952-BS1)				Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	2.58	mg/L		2.778		93	80-120		
Arsenic	2.68	mg/L		2.778		96	80-120		

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B635952-BS1)				Prepared: 06/18/26 Analyzed: 06/19/26					
Barium	2.56	mg/L		2.778		92	80-120		
Beryllium	2.78	mg/L		2.778		100	80-120		
Boron	2.99	mg/L		2.778		108	80-120		
Cadmium	2.63	mg/L		2.778		95	80-120		
Chromium	2.64	mg/L		2.778		95	80-120		
Cobalt	2.71	mg/L		2.778		98	80-120		
Copper	2.77	mg/L		2.778		100	80-120		
Iron	2680	ug/L		2778		96	80-120		
Lead	2.74	mg/L		2.778		99	80-120		
Manganese	2.61	mg/L		2.778		94	80-120		
Nickel	2.64	mg/L		2.778		95	80-120		
Selenium	2.62	mg/L		2.778		94	80-120		
Silver	0.252	mg/L		0.2778		91	80-120		
Thallium	2.74	mg/L		2.778		99	80-120		
Zinc	2.77	mg/L		2.778		100	80-120		
Mercury	0.0489	mg/L		0.05556		88	80-120		
Matrix Spike (B635952-MS1)	**Sample: JF01782-01**			Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	2.54	mg/L		2.778	ND	91	50-150		
Arsenic	2.69	mg/L		2.778	ND	97	50-150		
Barium	3.40	mg/L		2.778	0.918	89	50-150		
Beryllium	2.63	mg/L		2.778	ND	95	50-150		
Boron	2.83	mg/L		2.778	0.123	97	50-150		
Cadmium	2.56	mg/L		2.778	ND	92	50-150		
Chromium	2.64	mg/L		2.778	0.0484	93	50-150		
Cobalt	2.65	mg/L		2.778	0.00219	95	50-150		
Copper	2.61	mg/L		2.778	ND	94	50-150		
Iron	2650	ug/L		2778	ND	95	50-150		
Lead	2.68	mg/L		2.778	0.00583	96	50-150		
Manganese	2.59	mg/L		2.778	ND	93	50-150		
Nickel	2.55	mg/L		2.778	ND	92	50-150		
Selenium	2.58	mg/L		2.778	0.0220	92	50-150		
Silver	0.246	mg/L		0.2778	ND	89	50-150		
Thallium	2.68	mg/L		2.778	ND	97	50-150		
Zinc	2.64	mg/L		2.778	ND	95	50-150		
Mercury	0.0495	mg/L		0.05556	ND	89	50-150		
Matrix Spike Dup (B635952-MSD1)	**Sample: JF01782-01**			Prepared: 06/18/26 Analyzed: 06/19/26					
Antimony	2.56	mg/L		2.778	ND	92	50-150	0.7	20
Arsenic	2.67	mg/L		2.778	ND	96	50-150	0.7	20
Barium	3.42	mg/L		2.778	0.918	90	50-150	0.5	20
Beryllium	2.63	mg/L		2.778	ND	95	50-150	0.1	20
Boron	2.83	mg/L		2.778	0.123	97	50-150	0.1	20
Cadmium	2.55	mg/L		2.778	ND	92	50-150	0.7	20
Chromium	2.63	mg/L		2.778	0.0484	93	50-150	0.4	20
Cobalt	2.66	mg/L		2.778	0.00219	96	50-150	0.4	20
Copper	2.60	mg/L		2.778	ND	94	50-150	0.5	20

Pace Analytical Services, LLC
2231 W. Altorfer Drive
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B635952-MSD1)	**Sample: JF01782-01**			Prepared: 06/18/26 Analyzed: 06/19/26					
Iron	2630	ug/L		2778	ND	95	50-150	1	20
Lead	2.69	mg/L		2.778	0.00583	97	50-150	0.5	20
Manganese	2.57	mg/L		2.778	ND	92	50-150	1	20
Nickel	2.56	mg/L		2.778	ND	92	50-150	0.3	20
Selenium	2.61	mg/L		2.778	0.0220	93	50-150	1	20
Silver	0.245	mg/L		0.2778	ND	88	50-150	0.4	20
Thallium	2.70	mg/L		2.778	ND	97	50-150	0.8	20
Mercury	0.0508	mg/L		0.05556	ND	91	50-150	3	20
Zinc	2.64	mg/L		2.778	ND	95	50-150	0.07	20
Batch B636144 - No Prep - EPA 300.0 REV 2.1									
Blank (B636144-BLK1)				Prepared & Analyzed: 06/19/26					
Chloride	< 1.0	mg/L							
Calibration Blank (B636144-CCB1)				Prepared & Analyzed: 06/19/26					
Chloride	0.408	mg/L							
Calibration Check (B636144-CCV1)				Prepared & Analyzed: 06/19/26					
Chloride	4.69	mg/L		5.000		94	90-110		
Batch B636144 - No Prep - EPA 9056A									
Blank (B636144-BLK1)				Prepared & Analyzed: 06/19/26					
Sulfate	< 1.0	mg/L							
Calibration Blank (B636144-CCB1)				Prepared & Analyzed: 06/19/26					
Sulfate	0.00	mg/L							
Calibration Check (B636144-CCV1)				Prepared & Analyzed: 06/19/26					
Sulfate	4.78	mg/L		5.000		96	90-110		
Batch B636155 - No Prep - EPA Kelada-01									
Calibration Blank (B636155-CCB1)				Prepared & Analyzed: 06/22/26					
Cyanide	-0.00180	mg/L							
Calibration Check (B636155-CCV1)				Prepared & Analyzed: 06/22/26					
Cyanide	0.0548	mg/L		0.05000		110	85-115		
Matrix Spike (B636155-MS1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/22/26					
Cyanide	0.0544	mg/L		0.05000	ND	109	90-110		
Matrix Spike Dup (B636155-MSD1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/22/26					
Cyanide	0.0600	mg/L	Q2	0.05000	ND	120	90-110	10	20
Batch B636288 - SW 3051 - EPA 6020A									
Blank (B636288-BLK1)				Prepared: 06/23/26 Analyzed: 06/24/26					
Copper	< 3.0	mg/kg							
LCS (B636288-BS1)				Prepared: 06/23/26 Analyzed: 06/24/26					
Copper	47.4	mg/kg		50.00		95	80-120		
Matrix Spike (B636288-MS1)	**Sample: JF02337-01**			Prepared: 06/23/26 Analyzed: 06/24/26					
Copper	11.5	mg/kg		4.948	5.99	112	75-125		
Matrix Spike Dup (B636288-MSD1)	**Sample: JF02337-01**			Prepared: 06/23/26 Analyzed: 06/24/26					
Copper	10.3	mg/kg		4.945	5.99	87	75-125	11	20

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B636344 - No Prep - SM 4500-F C-2011									
Calibration Blank (B636344-CCB1)				Prepared & Analyzed: 06/23/26					
Fluoride	0.0440	mg/L							
Calibration Check (B636344-CCV1)				Prepared & Analyzed: 06/23/26					
Fluoride	0.683	mg/L		0.7000		98	90-110		
Matrix Spike (B636344-MS1)	**Sample: JF01027-01**			Prepared & Analyzed: 06/23/26					
Fluoride	1.21	mg/L		1.000	0.221	99	80-120		
Matrix Spike Dup (B636344-MSD1)	**Sample: JF01027-01**			Prepared & Analyzed: 06/23/26					
Fluoride	1.24	mg/L		1.000	0.221	102	80-120	2	20
Batch B636586 - No Prep - SM 4500-F C-2011									
Calibration Blank (B636586-CCB1)				Prepared & Analyzed: 06/26/26					
Fluoride	0.0390	mg/kg							
Calibration Check (B636586-CCV1)				Prepared & Analyzed: 06/26/26					
Fluoride	0.715	mg/kg		0.7000		102	90-110		
Matrix Spike (B636586-MS1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/26/26					
Fluoride	19.6	mg/kg		10.00	9.15	105	80-120		
Matrix Spike Dup (B636586-MSD1)	**Sample: JF01782-01**			Prepared & Analyzed: 06/26/26					
Fluoride	19.5	mg/kg		10.00	9.15	104	80-120	0.5	20
Batch B637510 - 04-No Prep WC Solid - EPA 9045D									
Duplicate (B637510-DUP1)	**Sample: JF01782-01**			Prepared & Analyzed: 07/10/26					
pH paste	12.3	pH Units	E, H		12.3			0.2	200

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

B2	Contamination does not impact data since sample result is greater than ten times the contamination level found in the blank.
E	Estimated - concentration exceeds the instrument calibration range.
H	Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
Q1	Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q2	Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q3	Matrix Spike/Matrix Spike Duplicate both failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q4	The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.
V2	Acceptance criteria for the Continuing Calibration Verification (CCV) were exceeded high with associated non-detect samples. The associated non-detect results are qualified and reported.

Elizabeth M. Shaw

Certified by: Elizabeth Shaw, Project Manager

June 17, 2026

Client: PACE Analytical Services, LLC
Attn: Ms. Elizabeth Shaw
Email: liz@pacelabs.com

RE: JF01782-01 Fly Ash Silo
PACE Analytical Laboratories (PO# 45)
26001771.02

SIEVE ANALYSIS TEST RESULTS

SAMPLE NUMBER:	PACE #JF01782-01 - Fly Ash Silo

SIEVE DESIGNATION	PERCENTAGE BY WEIGHT PASSING-%
#4	100.0
#8	100.0
#60	100.0

Should you have any questions or comments whatsoever in regard to this report, or if any additional information is desired, please do not hesitate to contact us at your convenience.

Sincerely,

Scott M. Osmulski

Senior Field Technician 1/Peoria Operations Manager

Scott.M.Osmulski@imegcorp.com

Enclosure

SMO/rma

\\files\Active\Projects\2026\26001771.02\Construction\MaterialsTesting\20260617_26001771.02_001_Sieve Analysis_ejo.docx

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

JF01782

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

IMEG CORP
2406 W Nebraska Avenue
Peoria, IL 61604
(309) 673-2131

Sample: JF01782-01
Name: Fly Ash Silo

Sampled: 06/08/26 00:00
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
01-Sieve	07/08/26 16:00	12/05/26 00:00	% passing 4, 8 & 60

Please email results to Elizabeth Shaw at liz.shaw@pacelabs.com

Date Shipped: 6/11/26 Total # of Containers: 1 Sample Origin (State): IL PO #: 45

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
[signature]	6/11/26 0800	[signature]	6/11/26 @11:32
Relinquished By	Date/Time	Received By	Date/Time

Sample Temperature Upon Receipt	____ °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

PIXE Test Report
Elemental Analysis, Inc.
2101 Capstone Dr. Ste. 110
Lexington, KY 40511
Tel: 1-800-563-PIXE(7493)

Date: 6/26/2026
Run: 346
Job: 1916-26
Name: Pace Analytical Services LLC
Project: Elizabeth Shaw
Target: JF01782-01

Element Name	Energy (keV)	Det. Limit 95% Conf.	Concentration Mass	Error
* O			41.210%	
Na	1.041	0.105%		
Magnesium	1.254	762.800 ppm	10.613%	0.106%
Aluminium	1.487	384.600 ppm	4.571%	0.046%
Silicon	1.740	177.500 ppm	7.925%	0.079%
Phosphorus	2.010	273.100 ppm	0.592%	0.018%
Sulphur	2.308	164.800 ppm	4.454%	0.045%
Chlorine	2.622	80.660 ppm	0.149%	0.010%
Potassium	3.314	183.200 ppm	0.426%	0.015%
Calcium	3.692	638.400 ppm	27.907%	0.279%
Sc	4.091	885.500 ppm		
Titanium	4.511	137.400 ppm	0.385%	0.013%
V	4.952	52.670 ppm		
Cr	5.415	14.080 ppm		
Manganese	5.899	10.490 ppm	301.272 ppm	9.339 ppm
Iron	6.405	21.110 ppm	1.547%	0.015%
Co	6.930	15.930 ppm		
Nickel	7.478	3.911 ppm	20.335 ppm	2.328 ppm
Copper	8.048	3.315 ppm	93.692 ppm	3.064 ppm
Zinc	8.639	2.507 ppm	124.830 ppm	3.458 ppm
Gallium	9.252	3.218 ppm	9.934 ppm	1.884 ppm
Ge	9.887	1.742 ppm		
As	10.544	2.395 ppm		
Se	11.222	2.632 ppm		
Bromine	11.924	1.652 ppm	25.736 ppm	2.859 ppm
Rb	13.395	5.137 ppm		
Strontium	14.165	15.740 ppm	0.164%	0.002%
Y	14.959	7.524 ppm		
Zr	15.775	31.060 ppm		
Nb	16.615	5.771 ppm		
Mo	17.480	8.144 ppm		
Tc	18.367	3.622 ppm		
Ru	19.279	7.404 ppm		
Rh	20.216	9.641 ppm		
Pd	21.176	11.470 ppm		
Ag	22.162	21.620 ppm		
Cd	23.173	19.890 ppm		
In	24.210	17.070 ppm		
Sn	25.271	32.370 ppm		
Sb	26.359	59.390 ppm		
Te	3.768	0.462%		
I	3.937	0.181%		
Cs	4.288	222.200 ppm		
Ba	4.466	836.200 ppm		
La	4.648	372.000 ppm		
Ce	4.841	221.000 ppm		
Pr	5.034	111.900 ppm		
Nd	5.230	69.430 ppm		
Pm	5.431	49.610 ppm		
Sm	5.632	28.520 ppm		
Eu	5.841	50.800 ppm		
Gd	6.050	22.700 ppm		
Tb	6.271	123.600 ppm		
Dy	6.492	164.200 ppm		
Ho	6.725	15.900 ppm		
Er	6.945	60.610 ppm		
Tm	7.182	46.850 ppm		
Yb	7.416	11.500 ppm		
Lu	7.655	7.344 ppm		
Hf	7.899	9.281 ppm		
Ta	8.149	12.070 ppm		
W	8.398	7.596 ppm		
Re	8.652	20.300 ppm		

PIXE Test Report
Elemental Analysis, Inc.
2101 Capstone Dr. Ste. 110
Lexington, KY 40511
Tel: 1-800-563-PIXE(7493)

Date:	6/26/2026
Run:	346
Job:	1916-26
Name:	Pace Analytical Services LLC
Project:	Elizabeth Shaw
Target:	JF01782-01

Element Name	Energy (keV)	Det. Limit 95% Conf.	Concentration Mass	Error
Os	8.911	9.347 ppm		
Ir	9.174	7.002 ppm		
Pt	9.443	7.175 ppm		
Au	9.712	6.249 ppm		
Hg	9.989	4.453 ppm		
Tl	10.267	5.216 ppm		
Pb	10.551	6.486 ppm		
Bi	10.838	4.845 ppm		
Th	12.968	9.460 ppm		
U	13.616	9.365 ppm		

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

JF01782

Scan QR Code for instructions

Company Name: Archer Daniels Midland Clinton	Contact/Report To: Hubert Conely
Street Address: 1800 S 5th St, Clinton, IA 52732	Phone #: (563) 241 4615
	E-Mail: hubert.conely@adm.com
	Cc E-Mail:
Customer Project #:	Invoice to:
Project Name: Archer Daniels Midland Clinton [ADM CLINTON ASH TESTING]	Invoice E-mail:
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET	County / State origin of sample(s):
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable: [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other: Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Specify Container Size**

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Elizabeth Shaw; AcctNum / Client ID:; Table #:; Profile / Template: ADM CLINTON ASH TESTING; Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Ash Testing	Sample Comment
Fly Ash Silo	SS	G					6			X	

IR Gun # 17 Correction Factor (Deg C) +.1

Observed Temp (Deg C) 24.6 Corrected Temp (Deg C) 24.7

Delivery Method: FedEx UPS Walk-in USPS (Other)

Additional Instructions from Pace®:

Collected By Printed Name: HUBERT CONELY

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
ADM	6/8/26 2:45p		6/9/26 11:57	
Relinquished by/Company: (Signature)	6/9/26 14:56	Received by/Company: (Signature)	Date/Time	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time: 6-9-26 14:56	Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: ADM Work Order #: JF01782 Completed by / Date: RSG 9/26

Custody seal on cooler/box present and seal intact:	☐Yes ☐No ☑N/A	
Chain of Custody (CoC) Present:	☑Yes ☐No	
CoC is Legible:	☑Yes ☐No	
Sampler Name Present on COC:	☑Yes ☐No	
Sampler Signature Present on CoC:	☑Yes ☐No	
Sample Collection Date Present on CoC:	☑Yes ☑No RS	
Sample Collection Time Present on CoC:	☐Yes ☑No RS	
CoC Relinquished by Client:	☑Yes ☐No	
Unique Sample ID's Present on CoC:	☑Yes ☐No	
CoC and Sample Container Labels Match:	☑Yes ☐No	
Sample chilling process started prior to receipt: If yes, what type of ice:	☐Yes ☐No ☑N/A ☑Wet ☐Blue	
Samples received within temperature compliance: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☐Yes ☑No ☑N/A	
Container(s) Received Intact:	☑Yes ☐No	
Containers Received Labeled and Labels are Legible:	☑Yes ☐No	
Appropriate Bottles Received for Analysis Requested:	☑Yes ☐No	
Sufficient Sample Volume Received:	☑Yes ☐No	
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐Yes ☐No ☑N/A	
Trip Blank(s) Received: If present, are they Listed on CoC:	☐Yes ☐No ☑N/A ☐Yes ☐No	
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐Yes ☐No ☑N/A	
All (Non-Field) Analysis Received Within Hold Times:	☑Yes ☐No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐Yes ☑No	
Short Hold Time Analysis (48 Hours or Less):	☐Yes ☑No	

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

WORK ORDER #: JF01742 INITIALS: RS

	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
Plastic Bottles										
P, U, 1000ml - Total										
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total										
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 1L HNO_3										
P, U, 2.5L										
P, U, 50ml										
S, U, P, 120ml										
S, P, 120ml $Na_2S_2O_3$										
P, 16oz - Soil/Sludge										
Amber Glass Bottles - Vials										
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml $MeCl_2$										
A, G, 500ml H_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, G, U, 100ml										
A, V, 40ml H_2SO_4										
A, V, U, 60ml										
Clear Glass Bottles - Soil/Sludge Jars - Vials										
C, G, 1000ml HCl										
C, G, U, 1000ml	3									
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar	1									
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar	2									
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										
_____										
_____										
_____										

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

JF01782

2-5B

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical Services, LLC - Hazelwood
944 Anglum Road
Hazelwood, MO 63042
(314) 432-0550

Sample: JF01782-01
Name: Fly Ash Silo

Sampled: 06/08/26 00:00
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
04-paste pH	06/22/26 16:00	06/08/26 02:24	
04-Phenols TCLP	07/08/26 16:00	07/06/26 00:00	Do not run as Phenol DI
04-SW TCLP 1311	06/22/26 16:00	07/06/26 00:00	
06-M8260 TCLP	06/22/26 16:00	06/22/26 00:00	
06-M8270 TCLP	06/22/26 16:00	06/15/26 00:00	
06-SW 1311 - TCLP Organics	06/22/26 16:00	06/22/26 00:00	
06-SW TCLP 1311	06/22/26 16:00	07/06/26 00:00	
06-TCLP_ZHE	06/22/26 16:00	06/22/26 00:00	

IR Gun # B8 Correction Factor (Deg C) -0.9
Observed Temp (Deg C) 3.5 Corrected Temp (Deg C) 2.6
Delivery Method: FedEx UPS Walk-in USPS (Other -e)

Please email results to Elizabeth Shaw at liz.shaw@pacelabs.com

Date Shipped: 6/11/26 Total # of Containers: 1 Sample Origin (State): IA PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
[signature]	6/11/26 0610	[signature]	1015 6/11/26

Sample Temperature Upon Receipt	____ °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

Liz Shaw

From: Conely, Hubert <Hubert.Conely@adm.com>
Sent: Wednesday, June 10, 2026 8:32 AM
To: Liz Shaw; Baughman, Jesse
Subject: RE: [EXTERNAL] RE: Cogen ash samples

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Classification: Internal

Should've been on 6/8/26 around 10am.

From: Liz Shaw <Liz.Shaw@pacelabs.com>
Sent: Wednesday, June 10, 2026 7:57 AM
To: Baughman, Jesse <Jesse.Baughman@adm.com>
Cc: Conely, Hubert <Hubert.Conely@adm.com>
Subject: [EXTERNAL] RE: Cogen ash samples

Good morning,

There is no collection date or time recorded on the COC. Could you provide the information for sample integrity and reporting purposes.

Kind regards,
Liz

Committed to You...

Liz Shaw
Project Manager
2231 W Altorfer Drive, Peoria, IL 61615
D: 309-683-1732| Liz.Shaw@pacelabs.com

Rush requests will require pre-approval from our management team.





NEW: PROCESS PAYMENTS ONLINE – click on the link below

https://secure2.billtrust.com/pacelabs/ig/signin

A 3% surcharge may be added to your payment should you choose to use a credit card.
Debit and ACH/e-check payments incur no additional fee.

From: Baughman, Jesse <Jesse.Baughman@adm.com>
Sent: Thursday, June 4, 2026 2:10 PM
To: Liz Shaw <Liz.Shaw@pacelabs.com>
Cc: Conely, Hubert <Hubert.Conely@adm.com>
Subject: Cogen ash samples

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Classification: Internal

Liz,

The quarterly ash samples are ready to be picked up by the courier at Cogen's security gate.

Thanks!



Jesse Baughman
Environmental Specialist

ADM
410 18th Ave S
Clinton, IA 52732

adm.com

Confidentiality Notice:
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Iowa Department of Natural Resources

Beneficial Use Determination: Solid By-Product Management Plan

Analytical Testing Report

Beneficial Use ID#: 23 -BUD- 15 - 03

DNR Certified Lab: Pace Analytical Services

Lab Report Date: 04/22/26

By-Product Generator: ADM Clinton Cogen

City: Clinton State: IA Zip: 52732

By-Product Name: Fly ash

Send completed report form(s), laboratory analytics, and supplemental Solid By-Product Management Plan (SBMP) documentation to:

Iowa Department of Natural Resources
Land Quality Bureau
Solid Waste & Contaminated Sites Section
6200 Park Ave Ste 200
Des Moines, IA 50321

For questions concerning this report form please contact the DNR at (515) 201-8272.

ANALYTICAL TESTING RESULTS

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846).

Required		Synthetic Precipitation Leaching Procedure (EPA Test Method 1312)			Total Metals		
*	Contaminant	MCL	10 X MCL	Test Result	Regulatory Limit	Test Result	
☒	Antimony	0.006 mg/L	0.06 mg/L	<0.0030 mg/L	31 mg/kg	<3.0	mg/kg
☒	Arsenic	0.010 mg/L	0.10 mg/L	<0.0050 mg/L	17 mg/kg	6.0	mg/kg
☒	Barium	2.0 mg/L	20.0 mg/L	<0.50 mg/L	15,000 mg/kg	1900	mg/kg
☒	Beryllium	0.004 mg/L	0.04 mg/L	<0.0010 mg/L	110 mg/kg	1.9	mg/kg
☒	Boron				16,000 mg/kg	390	mg/kg
☒	Cadmium	0.005 mg/L	0.05 mg/L	<0.0010 mg/L	70 mg/kg	<1.0	mg/kg
☒	Chromium	0.1 mg/L	1.0 mg/L	0.050 mg/L	**(Total)	30	mg/kg
					(Hexavalent - VI) 210 mg/kg		mg/kg
					(Trivalent - III) 97,000 mg/kg		mg/kg
☒	Cobalt				23 mg/kg	12	mg/kg
☒	Copper	1.3 mg/L	13.0 mg/L	<0.015 mg/L	15,000 mg/kg	94	mg/kg
☒	Fluoride	4.0 mg/L	40.0 mg/L	0.82 mg/L	4,700 mg/kg	15	mg/kg
☒	Lead	0.015 mg/L	0.15 mg/L	0.005 mg/L	400 mg/kg	17	mg/kg
☒	Lithium				160 mg/kg	<50	mg/kg
☒	Manganese				10,000 mg/kg	320	mg/kg
☒	Mercury	0.002 mg/L	0.02 mg/L	<0.0005C mg/L	23 mg/kg	<0.20	mg/kg
☒	Molybdenum				390 mg/kg	6.4	mg/kg
☒	Nickel				1,500 mg/kg	33	mg/kg
☒	Selenium	0.05 mg/L	0.5 mg/L	0.031 mg/L	390 mg/kg	9.6	mg/kg
☒	Silver				370 mg/kg	<5.0	mg/kg
☒	Thallium	0.002 mg/L	0.02 mg/L	<0.0010 mg/L	0.78 mg/kg	<0.50	mg/kg
☒	Vanadium				350 mg/kg	95	mg/kg
☒	Zinc				23,000 mg/kg	130	mg/kg

*Required contaminant

**If Total Chromium ≥210 mg/kg, further analysis shall be conducted to determine hexavalent and trivalent results.

Toxicity Characteristic Leaching Procedure (EPA Test Method 1311) - Regulatory Limits

Metals					Volatile Organic Compounds				
*	Contaminant	Regulatory Limit	Test Result		*	Contaminant	Regulatory Limit	Test Result	
☒	Arsenic	5.0 mg/L	<0.0050	mg/L	☐	Benzene	0.5 mg/L		mg/L
☒	Barium	100.0 mg/L	1.1	mg/L	☐	Carbon tetrachloride	0.5 mg/L		mg/L
☒	Cadmium	1.0 mg/L	<0.0010	mg/L	☐	Chlorobenzene	100.0 mg/L		mg/L
☒	Chromium	5.0 mg/L	0.027	mg/L	☐	Chloroform	6.0 mg/L		mg/L
☒	Lead	5.0 mg/L	<0.0050	mg/L	☐	1,2-Dichloroethane	0.5 mg/L		mg/L
☒	Mercury	0.2 mg/L	<0.00050	mg/L	☐	1,1-Dichloroethylene	0.7 mg/L		mg/L
☒	Selenium	1.0 mg/L	0.027	mg/L	☐	Methyl ethyl ketone	200.0 mg/L		mg/L
☒	Silver	5.0 mg/L	<0.0050	mg/L	☐	Tetrachloroethylene	0.7 mg/L		mg/L
					☐	Trichloroethylene	0.5 mg/L		mg/L
					☐	Vinyl chloride	0.2 mg/L		mg/L

Pesticides					Semi-Volatile Organic Compounds				
*	Contaminant	Regulatory Limit	Test Result		*	Contaminant	Regulatory Limit	Test Result	
☐	Chlordane	0.03 mg/L		mg/L	☐	o-Cresol	200.0 mg/L		mg/L
☐	Endrin	0.02 mg/L		mg/L	☐	m-Cresol	200.0 mg/L		mg/L
☐	Heptachlor (and its epoxide)	0.008 mg/L		mg/L	☐	p-Cresol	200.0 mg/L		mg/L
☐	Lindane	0.4 mg/L		mg/L	☐	Cresol	200.0 mg/L		mg/L
☐	Methoxychlor	10.0 mg/L		mg/L	☐	1,4-Dichlorobenzene	7.5 mg/L		mg/L
☐	Toxaphene	0.5 mg/L		mg/L	☐	2,4-Dinitrotoluene	0.13 mg/L		mg/L
					☐	Hexachlorobenzene	0.13 mg/L		mg/L
					☐	Hexachlorobutadiene	0.5 mg/L		mg/L
					☐	Hexachloroethane	3.0 mg/L		mg/L
Herbicides					☐	Nitrobenzene	2.0 mg/L		mg/L
*	Contaminant	Regulatory Limit	Test Result		☐	Pentachlorophenol	100.0 mg/L		mg/L
☐	2,4-D	10.0 mg/L		mg/L	☐	Pyridine	5.0 mg/L		mg/L
☐	2,4,5-TP (Silvex)	1.0 mg/L		mg/L	☐	2,4,5-Trichlorophenol	400.0 mg/L		mg/L
					☐	2,4,6-Trichlorophenol	2.0 mg/L		mg/L

*Required contaminant

BY-PRODUCT GENERATOR CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature: Jason Dolash **Date:** 04/27/26

Printed Name: Jason Dolash **Title:** Cogen Site Manager

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

April 22, 2026

Bobby Peropat
Archer Daniels Midland - Clinton
1800 S 5th St
Clinton, IA 52732

RE: QUARTERLY ASH TESTING

Dear Bobby Peropat:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **3/11/26 8:50 am** and logged in under work order **JC02435**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Elizabeth M Shaw

Elizabeth Shaw
Project Manager
(309)683-1732
liz.shaw@pacelabs.com

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

Case Narrative

This revised report reflects a correction to the Total Thallium reporting limit , which has been updated and is reported as ≤ 0.78 mg/kg.. This is a custom analysis performed to meet specific client reporting requirements.

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: JC02435-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 03/02/26 12:55
Received: 03/11/26 08:50
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Elemental Analysis Corp									
PIXE -subcontracted	Sub Results Attached				1	1			Subcontracted

ANALYTICAL RESULTS

Sample: JC02435-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 03/02/26 12:55
Received: 03/11/26 08:50
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - IMEG CORP									
Sieve analysis	Sub Result Attached	Subcontract			1				See Attached

ANALYTICAL RESULTS

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: JC02435-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 03/02/26 12:55
Received: 03/11/26 08:50
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
DI EXT WC - PIA									
Chloride	43	mg/L		03/20/26 11:02	10	10	03/20/26 11:02	JSM	EPA 300.0 REV 2.1
Cyanide	< 0.0050	mg/L		03/24/26 15:00	1	0.0050	03/24/26 15:00	CRD	EPA Kelada-01*
Final pH	11	pH Units		03/19/26 10:05	1		03/19/26 10:06	ACH	ASTM D3987*
Final pH	11	mg/L		03/19/26 10:05	1		03/19/26 10:06	ACH	ASTM D3987*
Fluoride	0.82	mg/L		03/20/26 11:50	1	0.25	03/20/26 11:50	ECM	SM 4500-F C-2011
Sulfate	1500	mg/L		03/20/26 10:44	500	500	03/20/26 10:44	JSM	EPA 9056A
General Chemistry - PIA									
Calcium Carbonate Equivalent	69	% dry		03/23/26 12:00	1	1.0	03/23/26 12:00	TTH	Soil Analysis 91-4*
Fluoride	15	mg/kg		03/18/26 15:24	1	2.5	03/18/26 15:24	ECM	SM 4500-F C-2011
Solids - loss on ignition (LOI)	2.9	%		03/17/26 13:42	1	1.0	03/17/26 14:22	NJK	ASTM D2795 MOD*
Solids - paste total dissolved solids	8400	mg/L	H	03/17/26 10:29	1	130	03/17/26 15:21	NJK	SM 2540 C-2011
Solids - total solids (TS)	100	%	H	03/17/26 13:42	1	0.050	03/17/26 14:22	NJK	SM 2540G*
General Chemistry - STL									
pH paste	12	pH Units	E, Ht	04/01/26 10:52	1		04/01/26 13:17	RAM	EPA 9045D*
Semivolatile Organics - TCLP - STL									
1,4-Dichlorobenzene	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
2,4-Dinitrotoluene	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
Hexachlorobenzene	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
Hexachlorobutadiene	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
Hexachloroethane	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
2-Methylphenol	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
3- & 4-Methylphenol	< 0.0400	mg/L		03/19/26 08:30	1	0.0400	03/19/26 15:18	EMR	EPA 8270C
Nitrobenzene	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
Pentachlorophenol	< 0.100	mg/L		03/19/26 08:30	1	0.100	03/19/26 15:18	EMR	EPA 8270C
Pyridine	< 0.100	mg/L		03/19/26 08:30	1	0.100	03/19/26 15:18	EMR	EPA 8270C
2,4,5-Trichlorophenol	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
2,4,6-Trichlorophenol	< 0.0200	mg/L		03/19/26 08:30	1	0.0200	03/19/26 15:18	EMR	EPA 8270C
SPLP Metals - PIA									
Final pH	11.6			03/19/26 10:04	1	0.00	03/19/26 10:04	ACH	SW 1312*
Antimony	< 0.0030	mg/L		03/19/26 14:56	5	0.0030	03/20/26 14:44	TJJ	EPA 6020A
Arsenic	< 0.0050	mg/L		03/19/26 14:56	5	0.0050	03/20/26 14:44	TJJ	EPA 6020A

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: JC02435-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 03/02/26 12:55
Received: 03/11/26 08:50
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Barium	< 0.50	mg/L		03/19/26 14:56	5	0.50	03/20/26 14:44	TJJ	EPA 6020A
Beryllium	< 0.0010	mg/L		03/19/26 14:56	5	0.0010	03/20/26 14:44	TJJ	EPA 6020A
Cadmium	< 0.0010	mg/L		03/19/26 14:56	5	0.0010	03/20/26 14:44	TJJ	EPA 6020A
Chromium	0.050	mg/L		03/19/26 14:56	5	0.0040	03/20/26 14:44	TJJ	EPA 6020A
Copper	< 0.015	mg/L		03/19/26 14:56	5	0.015	03/20/26 14:44	TJJ	EPA 6020A
Lead	0.005	mg/L		03/19/26 14:56	5	0.005	03/20/26 14:44	TJJ	EPA 6020A
Selenium	0.031	mg/L		03/19/26 14:56	5	0.0025	03/20/26 14:44	TJJ	EPA 6020A
Thallium	< 0.0010	mg/L		03/19/26 14:56	5	0.0010	03/20/26 14:44	TJJ	EPA 6020A
Mercury	< 0.00050	mg/L		03/19/26 14:56	5	0.00050	03/20/26 14:44	TJJ	EPA 6020A
TCLP Metals - PIA									
Antimony	< 0.0030	mg/L		03/19/26 14:58	5	0.0030	03/20/26 14:48	TJJ	EPA 6020A
Arsenic	< 0.0050	mg/L		03/19/26 14:58	5	0.0050	03/20/26 14:48	TJJ	EPA 6020A
Barium	1.1	mg/L		03/19/26 14:58	5	0.50	03/20/26 14:48	TJJ	EPA 6020A
Beryllium	< 0.0010	mg/L		03/19/26 14:58	5	0.0010	03/20/26 14:48	TJJ	EPA 6020A
Boron	< 0.25	mg/L		03/19/26 14:58	5	0.25	03/25/26 11:46	TJJ	EPA 6020A
Cadmium	< 0.0010	mg/L		03/19/26 14:58	5	0.0010	03/20/26 14:48	TJJ	EPA 6020A
Chromium	0.027	mg/L		03/19/26 14:58	5	0.0040	03/20/26 14:48	TJJ	EPA 6020A
Cobalt	< 0.0050	mg/L		03/19/26 14:58	5	0.0050	03/20/26 14:48	TJJ	EPA 6020A
Copper	< 0.015	mg/L		03/19/26 14:58	5	0.015	03/20/26 14:48	TJJ	EPA 6020A
Iron	< 30	ug/L		03/19/26 14:58	5	30	03/20/26 14:48	TJJ	EPA 6020A
Lead	< 0.0050	mg/L		03/19/26 14:58	5	0.0050	03/20/26 14:48	TJJ	EPA 6020A
Manganese	< 0.0010	mg/L		03/19/26 14:58	5	0.0010	03/20/26 14:48	TJJ	EPA 6020A
Nickel	< 0.0050	mg/L		03/19/26 14:58	5	0.0050	03/20/26 14:48	TJJ	EPA 6020A
Selenium	0.027	mg/L		03/19/26 14:58	5	0.0025	03/20/26 14:48	TJJ	EPA 6020A
Silver	< 0.0050	mg/L		03/19/26 14:58	5	0.0050	03/20/26 14:48	TJJ	EPA 6020A
Thallium	< 0.0010	mg/L		03/19/26 14:58	5	0.0010	03/20/26 14:48	TJJ	EPA 6020A
Mercury	< 0.00050	mg/L		03/19/26 14:58	5	0.00050	03/20/26 14:48	TJJ	EPA 6020A
Zinc	< 0.50	mg/L		03/19/26 14:58	5	0.50	03/20/26 14:48	TJJ	EPA 6020A
TCLP Metals - STL									
TCLP 1311 Extraction	0.0			03/13/26 14:35	1		03/17/26 11:12	TWH	SW 1311
TCLP WC - STL									
Phenol	< 0.20	mg/L		03/23/26 12:08	1	0.20	03/23/26 15:29	KLS	EPA 420.1
Total Metals - PIA									

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ANALYTICAL RESULTS

Sample: JC02435-01
Name: Fly Ash Silo
Matrix: Solid - Grab

Sampled: 03/02/26 12:55
Received: 03/11/26 08:50
PO #: 601268957

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Antimony	< 3.0	mg/kg		03/18/26 12:38	10	3.0	03/25/26 15:18	TJJ	EPA 6020A
Arsenic	6.0	mg/kg		03/18/26 12:38	10	1.0	03/25/26 15:18	TJJ	EPA 6020A
Barium	1900	mg/kg		03/18/26 12:38	50	5.0	04/06/26 10:35	TJJ	EPA 6020A
Beryllium	1.9	mg/kg		03/18/26 12:38	10	1.0	03/30/26 12:49	TJJ	EPA 6020A
Boron	390	mg/kg		03/18/26 12:38	50	50	04/06/26 10:35	TJJ	EPA 6020A*
Cadmium	< 1.0	mg/kg		03/18/26 12:38	10	1.0	03/25/26 15:18	TJJ	EPA 6020A
Calcium	200000	mg/kg		03/18/26 12:38	50	500	03/27/26 17:26	TJJ	EPA 6020A*
Chromium	30	mg/kg		03/18/26 12:38	10	4.0	03/25/26 15:18	TJJ	EPA 6020A
Cobalt	12	mg/kg dry		03/18/26 12:38	10	2.0	03/25/26 15:18	TJJ	EPA 6020A
Copper	94	mg/kg		03/18/26 12:38	10	3.0	03/25/26 15:18	TJJ	EPA 6020A
Iron	17000	mg/kg dry		03/18/26 12:38	10	30	03/25/26 15:18	TJJ	EPA 6020A
Lead	17	mg/kg		03/18/26 12:38	10	1.0	03/25/26 15:18	TJJ	EPA 6020A
Manganese	320	mg/kg		03/18/26 12:38	10	1.0	03/25/26 15:18	TJJ	EPA 6020A
Molybdenum	6.4	mg/kg		03/18/26 12:38	10	1.0	03/25/26 15:18	TJJ	EPA 6020A
Nickel	33	mg/kg		03/18/26 12:38	10	5.0	03/25/26 15:18	TJJ	EPA 6020A
Selenium	9.6	mg/kg		03/18/26 12:38	10	1.0	03/25/26 15:18	TJJ	EPA 6020A
Silver	< 5.0	mg/kg		03/18/26 12:38	10	5.0	03/25/26 15:18	TJJ	EPA 6020A
Thallium	< 0.50	mg/kg		03/18/26 12:38	10	0.50	03/25/26 15:18	TJJ	EPA 6020A
Vanadium	95	mg/kg		03/18/26 12:38	10	5.0	03/25/26 15:18	TJJ	EPA 6020A
Mercury	< 0.20	mg/kg		03/18/26 12:38	10	0.20	03/25/26 15:18	TJJ	EPA 6020A
Zinc	130	mg/kg		03/18/26 12:38	10	6.0	03/25/26 15:18	TJJ	EPA 6020A
Lithium	< 50	mg/kg		03/18/26 12:38	10	50	03/18/26 15:07	BRS	EPA 6010B
Sulfur	48000	mg/kg		03/18/26 12:38	50	500	04/06/26 09:20	TJJ	EPA 6010B*
Volatile Organics - TCLP - STL									
Benzene	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
2-Butanone	< 1.00	mg/L		03/19/26 09:21	10	1.00	03/19/26 18:40	NHL	EPA 8260B
Carbon tetrachloride	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
Chlorobenzene	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
Chloroform	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
1,4-Dichlorobenzene	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
1,2-Dichloroethane	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
1,1-Dichloroethene	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
Tetrachloroethene	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
Trichloroethene	< 0.250	mg/L		03/19/26 09:21	10	0.250	03/19/26 18:40	NHL	EPA 8260B
Vinyl chloride	< 0.200	mg/L		03/19/26 09:21	10	0.200	03/19/26 18:40	NHL	EPA 8260B

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B628424 - 04-SW 1311 - TCLP - SW 1311									
Blank (B628424-BLK1)				Prepared: 03/13/26 Analyzed: 03/17/26					
TCLP 1311 Extraction	0.00	[blank]							
Batch B628610 - No Prep - SM 2540 C-2011									
Blank (B628610-BLK1)				Prepared & Analyzed: 03/17/26					
Solids - paste total dissolved solids	< 17	mg/L							
LCS (B628610-BS1)				Prepared & Analyzed: 03/17/26					
Solids - paste total dissolved solids	940	mg/L					84.9-109		
Duplicate (B628610-DUP1)	**Sample: JC02435-01**			Prepared & Analyzed: 03/17/26					
Solids - paste total dissolved solids	8420	mg/L			8380			0.6	20
Batch B628651 - No Prep - ASTM D2795 MOD									
Blank (B628651-BLK1)				Prepared & Analyzed: 03/17/26					
Solids - loss on ignition (LOI)	50.0	%							
Duplicate (B628651-DUP1)	**Sample: JC02435-01**			Prepared & Analyzed: 03/17/26					
Solids - loss on ignition (LOI)	2.93	%			2.90			0.8	20
Batch B628651 - No Prep - SM 2540G									
Blank (B628651-BLK1)				Prepared & Analyzed: 03/17/26					
Solids - total solids (TS)	< 0.050	%							
Duplicate (B628651-DUP1)	**Sample: JC02435-01**			Prepared & Analyzed: 03/17/26					
Solids - total solids (TS)	100	%			100			0.004	5
Batch B628688 - 04 SW 3510 (625/8270) - EPA 8270C									
Blank (B628688-BLK1)				Prepared & Analyzed: 03/18/26					
1,4-Dichlorobenzene	< 0.0200	mg/L							
2,4-Dinitrotoluene	< 0.0200	mg/L							
Hexachlorobenzene	< 0.0200	mg/L							
Hexachlorobutadiene	< 0.0200	mg/L							
Hexachloroethane	< 0.0200	mg/L							
2-Methylphenol	< 0.0200	mg/L							
3- & 4-Methylphenol	< 0.0400	mg/L							
Nitrobenzene	< 0.0200	mg/L							
Pentachlorophenol	< 0.100	mg/L							
Pyridine	< 0.100	mg/L							
2,4,5-Trichlorophenol	< 0.0200	mg/L							
2,4,6-Trichlorophenol	< 0.0200	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.280*	*mg/L*		*0.5000*		*56*	*27.5-120*		
Surrogate: 2-Fluorophenol	*0.443*	*mg/L*		*0.8000*		*55*	*23.3-120*		
Surrogate: Nitrobenzene-d5	*0.258*	*mg/L*		*0.5000*		*52*	*30.6-120*		
Surrogate: Phenol-d6	*0.432*	*mg/L*		*0.8000*		*54*	*22.6-120*		
Surrogate: 4-Terphenyl-d14	*0.328*	*mg/L*		*0.5000*		*66*	*21.8-120*		
Surrogate: 2,4,6-Tribromophenol	*0.516*	*mg/L*		*0.8000*		*65*	*18.6-120*		
LCS (B628688-BS1)				Prepared & Analyzed: 03/18/26					

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B628688-BS1)				Prepared & Analyzed: 03/18/26					
1,4-Dichlorobenzene	0.445	mg/L		0.8000		56	32.6-120		
2,4-Dinitrotoluene	0.468	mg/L		0.8000		58	29.5-120		
Hexachlorobenzene	0.385	mg/L		0.8000		48	23.8-120		
Hexachlorobutadiene	0.446	mg/L		0.8000		56	30.5-120		
Hexachloroethane	0.403	mg/L		0.8000		50	33.2-120		
2-Methylphenol	0.490	mg/L		0.8000		61	36.6-120		
3- & 4-Methylphenol	0.520	mg/L		0.8000		65	40.3-120		
Nitrobenzene	0.424	mg/L		0.8000		53	32.6-120		
Pentachlorophenol	0.450	mg/L		0.8000		56	20.5-120		
Pyridine	0.257	mg/L		0.8000		32	12-120		
2,4,5-Trichlorophenol	0.467	mg/L		0.8000		58	31.9-120		
2,4,6-Trichlorophenol	0.478	mg/L		0.8000		60	31.7-120		
Surrogate: 2-Fluorobiphenyl	*0.290*	*mg/L*		*0.5000*		*58*	*27.5-120*		
Surrogate: 2-Fluorophenol	*0.484*	*mg/L*		*0.8000*		*61*	*23.3-120*		
Surrogate: Nitrobenzene-d5	*0.280*	*mg/L*		*0.5000*		*56*	*30.6-120*		
Surrogate: Phenol-d6	*0.477*	*mg/L*		*0.8000*		*60*	*22.6-120*		
Surrogate: 4-Terphenyl-d14	*0.339*	*mg/L*		*0.5000*		*68*	*21.8-120*		
Surrogate: 2,4,6-Tribromophenol	*0.582*	*mg/L*		*0.8000*		*73*	*18.6-120*		
Batch B628756 - SW 3051 - EPA 6010B									
Blank (B628756-BLK1)				Prepared & Analyzed: 03/18/26					
Lithium	< 50	mg/kg							
Sulfur	< 10	mg/kg							
LCS (B628756-BS1)				Prepared & Analyzed: 03/18/26					
Lithium	51.2	mg/kg		50.00		102	80-120		
Sulfur	49.7	mg/kg		50.00		99	80-120		
Batch B628756 - SW 3051 - EPA 6020A									
Blank (B628756-BLK1)				Prepared: 03/18/26 Analyzed: 03/25/26					
Antimony	< 3.0	mg/kg							
Arsenic	< 1.0	mg/kg							
Barium	< 1.0	mg/kg							
Beryllium	< 1.0	mg/kg							
Boron	< 10	mg/kg							
Cadmium	< 1.0	mg/kg							
Calcium	< 100	mg/kg							
Chromium	< 4.0	mg/kg							
Cobalt	< 2.0	mg/kg wet							
Copper	< 3.0	mg/kg							
Iron	< 30	mg/kg wet							
Lead	< 1.0	mg/kg							
Manganese	< 1.0	mg/kg							
Molybdenum	< 1.0	mg/kg							
Nickel	< 5.0	mg/kg							
Selenium	< 1.0	mg/kg							

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B628756-BLK1)				Prepared: 03/18/26 Analyzed: 03/25/26					
Silver	< 5.0	mg/kg							
Thallium	< 0.50	mg/kg							
Vanadium	< 5.0	mg/kg							
Mercury	< 0.20	mg/kg							
Zinc	< 6.0	mg/kg							
LCS (B628756-BS1)				Prepared: 03/18/26 Analyzed: 03/25/26					
Antimony	50.0	mg/kg		50.00		100	80-120		
Arsenic	48.0	mg/kg		50.00		96	80-120		
Barium	46.7	mg/kg		50.00		93	80-120		
Beryllium	51.5	mg/kg		50.00		103	80-120		
Boron	52.1	mg/kg		50.00		104	80-120		
Cadmium	45.0	mg/kg		50.00		90	80-120		
Calcium	4390	mg/kg		5000		88	80-120		
Chromium	48.9	mg/kg		50.00		98	80-120		
Cobalt	49.7	mg/kg wet		50.00		99	80-120		
Copper	45.4	mg/kg		50.00		91	80-120		
Iron	50.7	mg/kg wet		50.00		101	80-120		
Lead	48.2	mg/kg		50.00		96	80-120		
Manganese	47.7	mg/kg		50.00		95	80-120		
Molybdenum	45.0	mg/kg		50.00		90	80-120		
Nickel	47.0	mg/kg		50.00		94	80-120		
Selenium	47.2	mg/kg		50.00		94	80-120		
Silver	48.2	mg/kg		50.00		96	80-120		
Thallium	48.4	mg/kg		50.00		97	80-120		
Vanadium	48.6	mg/kg		50.00		97	80-120		
Mercury	4.53	mg/kg		5.000		91	80-120		
Zinc	48.9	mg/kg		50.00		98	80-120		
Matrix Spike (B628756-MS1)	**Sample: JC02305-03**			Prepared: 03/18/26 Analyzed: 03/25/26					
Antimony	4.88	mg/kg		4.979	0.0457	97	75-125		
Arsenic	7.90	mg/kg		4.979	3.25	93	75-125		
Barium	47.7	mg/kg	Q4	4.979	44.3	68	75-125		
Cadmium	4.40	mg/kg		4.979	ND	88	75-125		
Calcium	1170	mg/kg		497.9	705	93	75-125		
Chromium	5.15	mg/kg		4.979	0.469	94	75-125		
Cobalt	210	mg/kg dry		214.8	5.69	95	75-125		
Copper	27.8	mg/kg		4.979	24.0	77	75-125		
Iron	36500	mg/kg dry	Q4	214.8	36600	NR	75-125		
Lead	5.01	mg/kg		4.979	0.296	95	75-125		
Manganese	112	mg/kg	Q4	4.979	109	65	75-125		
Molybdenum	4.61	mg/kg		4.979	0.197	89	75-125		
Nickel	4.85	mg/kg		4.979	0.369	90	75-125		
Selenium	4.66	mg/kg		4.979	0.0887	92	75-125		
Silver	4.69	mg/kg		4.979	0.0432	93	75-125		
Thallium	4.64	mg/kg		4.979	ND	93	75-125		
Vanadium	4.77	mg/kg		4.979	ND	96	75-125		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B628756-MS1)	**Sample: JC02305-03**			Prepared: 03/18/26 Analyzed: 03/25/26					
Zinc	16.8	mg/kg		4.979	12.2	91	75-125		
Mercury	0.388	mg/kg		0.4979	0.0111	76	75-125		
Matrix Spike Dup (B628756-MSD1)	**Sample: JC02305-03**			Prepared: 03/18/26 Analyzed: 03/25/26					
Antimony	4.86	mg/kg		4.965	0.0457	97	75-125	0.4	20
Arsenic	7.86	mg/kg		4.965	3.25	93	75-125	0.5	20
Barium	48.4	mg/kg		4.965	44.3	82	75-125	1	20
Cadmium	4.44	mg/kg		4.965	ND	89	75-125	0.7	20
Calcium	1180	mg/kg		496.5	705	96	75-125	0.8	20
Chromium	5.27	mg/kg		4.965	0.469	97	75-125	2	20
Cobalt	207	mg/kg dry		214.2	5.69	94	75-125	2	20
Copper	28.0	mg/kg		4.965	24.0	81	75-125	0.7	20
Iron	36800	mg/kg dry		214.2	36600	119	75-125	0.8	20
Lead	4.95	mg/kg		4.965	0.296	94	75-125	1	20
Manganese	114	mg/kg		4.965	109	109	75-125	2	20
Molybdenum	4.64	mg/kg		4.965	0.197	89	75-125	0.5	20
Nickel	4.85	mg/kg		4.965	0.369	90	75-125	0.2	20
Selenium	4.66	mg/kg		4.965	0.0887	92	75-125	0.1	20
Silver	4.73	mg/kg		4.965	0.0432	95	75-125	0.9	20
Thallium	4.69	mg/kg		4.965	ND	94	75-125	1	20
Vanadium	4.78	mg/kg		4.965	ND	96	75-125	0.3	20
Zinc	16.8	mg/kg		4.965	12.2	92	75-125	0.2	20
Mercury	0.363	mg/kg	Q2	0.4965	0.0111	71	75-125	7	20
Batch B628786 - No Prep - SM 4500-F C-2011									
Calibration Blank (B628786-CCB1)				Prepared & Analyzed: 03/18/26					
Fluoride	0.0210	mg/kg							
Calibration Check (B628786-CCV1)				Prepared & Analyzed: 03/18/26					
Fluoride	0.704	mg/kg		0.7000		101	90-110		
Matrix Spike (B628786-MSA)	**Sample: JC02080-01**			Prepared & Analyzed: 03/18/26					
Fluoride	8.47	mg/kg	Q1	10.00	0.830	76	80-120		
Matrix Spike Dup (B628786-MSDA)	**Sample: JC02080-01**			Prepared & Analyzed: 03/18/26					
Fluoride	8.57	mg/kg	Q2	10.00	0.830	77	80-120	1	20
Batch B628835 - SPLP Prep - SW 1312									
Blank (B628835-BLK1)				Prepared & Analyzed: 03/19/26					
Final pH	< 0.00	[blank]							
Batch B628837 - DI Prep - ASTM D3987									
Blank (B628837-BLK1)				Prepared & Analyzed: 03/19/26					
Final pH	0.00	pH Units							
Final pH	0.00	mg/L							
Batch B628857 - 04-No Prep VOA - EPA 8260B									
Blank (B628857-BLK1)				Prepared & Analyzed: 03/19/26					
Benzene	< 0.0250	mg/L							

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(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B628857-BLK1)				Prepared & Analyzed: 03/19/26					
2-Butanone	< 0.100	mg/L							
Carbon tetrachloride	< 0.0250	mg/L							
Chlorobenzene	< 0.0250	mg/L							
Chloroform	< 0.0250	mg/L							
1,4-Dichlorobenzene	< 0.0250	mg/L							
1,2-Dichloroethane	< 0.0250	mg/L							
1,1-Dichloroethene	< 0.0250	mg/L							
Tetrachloroethene	< 0.0250	mg/L							
Trichloroethene	< 0.0250	mg/L							
Vinyl chloride	< 0.0200	mg/L							
Surrogate: 4-Bromofluorobenzene	*47.6*	*ug/L*		*50.00*		*95*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*43.5*	*ug/L*		*50.00*		*87*	*59.3-154*		
Surrogate: Toluene-d8	*49.2*	*ug/L*		*50.00*		*98*	*72.3-143*		
LCS (B628857-BS1)				Prepared & Analyzed: 03/19/26					
Benzene	0.0485	mg/L		0.05000		97	67.3-142		
2-Butanone	0.103	mg/L		0.1000		103	67.7-148		
Carbon tetrachloride	0.0516	mg/L		0.05000		103	69.4-145		
Chlorobenzene	0.0498	mg/L		0.05000		100	72.4-124		
Chloroform	0.0461	mg/L		0.05000		92	61.6-135		
1,4-Dichlorobenzene	0.0494	mg/L		0.05000		99	68-127		
1,2-Dichloroethane	0.0467	mg/L		0.05000		93	66.6-139		
1,1-Dichloroethene	0.0482	mg/L		0.05000		96	66.3-136		
Tetrachloroethene	0.0512	mg/L		0.05000		102	70.7-125		
Trichloroethene	0.0516	mg/L		0.05000		103	73.9-143		
Vinyl chloride	0.0506	mg/L		0.05000		101	59.7-148		
Surrogate: 4-Bromofluorobenzene	*49.6*	*ug/L*		*50.00*		*99*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*48.4*	*ug/L*		*50.00*		*97*	*59.3-154*		
Surrogate: Toluene-d8	*49.6*	*ug/L*		*50.00*		*99*	*72.3-143*		
LCS Dup (B628857-BSD1)				Prepared & Analyzed: 03/19/26					
Benzene	0.0487	mg/L		0.05000		97	67.3-142	0.3	20
2-Butanone	0.104	mg/L		0.1000		104	67.7-148	1	20
Carbon tetrachloride	0.0525	mg/L		0.05000		105	69.4-145	2	20
Chlorobenzene	0.0469	mg/L		0.05000		94	72.4-124	6	20
Chloroform	0.0465	mg/L		0.05000		93	61.6-135	0.8	20
1,4-Dichlorobenzene	0.0455	mg/L		0.05000		91	68-127	8	20
1,2-Dichloroethane	0.0466	mg/L		0.05000		93	66.6-139	0.1	20
1,1-Dichloroethene	0.0490	mg/L		0.05000		98	66.3-136	2	20
Tetrachloroethene	0.0489	mg/L		0.05000		98	70.7-125	5	20
Trichloroethene	0.0515	mg/L		0.05000		103	73.9-143	0.2	20
Vinyl chloride	0.0501	mg/L		0.05000		100	59.7-148	1	20
Surrogate: 4-Bromofluorobenzene	*50.7*	*ug/L*		*50.00*		*101*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*	*ug/L*		*50.00*		*99*	*59.3-154*		
Surrogate: Toluene-d8	*50.8*	*ug/L*		*50.00*		*102*	*72.3-143*		
Leach Fluid Blank (B628857-LBK1)				Prepared & Analyzed: 03/19/26					
Benzene	< 0.250	mg/L							

Pace Analytical Services, LLC
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Leach Fluid Blank (B628857-LBK1)				Prepared & Analyzed: 03/19/26					
2-Butanone	< 1.00	mg/L							
Carbon tetrachloride	< 0.250	mg/L							
Chlorobenzene	< 0.250	mg/L							
Chloroform	< 0.250	mg/L							
1,4-Dichlorobenzene	< 0.250	mg/L							
1,2-Dichloroethane	< 0.250	mg/L							
1,1-Dichloroethene	< 0.250	mg/L							
Tetrachloroethene	< 0.250	mg/L							
Trichloroethene	< 0.250	mg/L							
Vinyl chloride	< 0.200	mg/L							
Surrogate: 4-Bromofluorobenzene	*50.7*	*ug/L*		*50.00*		*101*	*66.6-135*		
Surrogate: 1,2-Dichloroethane-d4	*47.6*	*ug/L*		*50.00*		*95*	*59.3-154*		
Surrogate: Toluene-d8	*50.4*	*ug/L*		*50.00*		*101*	*72.3-143*		
Batch B628885 - SW 3015 SPLP - EPA 6020A									
Blank (B628885-BLK1)				Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	< 0.0030	mg/L							
Arsenic	< 0.0050	mg/L							
Barium	< 0.50	mg/L							
Beryllium	< 0.0010	mg/L							
Cadmium	< 0.0010	mg/L							
Chromium	< 0.0040	mg/L							
Copper	0.0116	mg/L							
Lead	< 0.005	mg/L							
Selenium	< 0.0025	mg/L							
Thallium	< 0.0010	mg/L							
Mercury	< 0.00050	mg/L							
LCS (B628885-BS1)				Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	2.74	mg/L		2.778		99	80-120		
Arsenic	2.71	mg/L		2.778		98	80-120		
Barium	2.76	mg/L		2.778		99	80-120		
Beryllium	2.72	mg/L		2.778		98	80-120		
Cadmium	2.69	mg/L		2.778		97	80-120		
Chromium	2.68	mg/L		2.778		96	80-120		
Copper	2.65	mg/L		2.778		96	80-120		
Lead	2.78	mg/L		2.778		100	80-120		
Selenium	2.74	mg/L		2.778		99	80-120		
Thallium	2.73	mg/L		2.778		98	80-120		
Mercury	0.0501	mg/L		0.05556		90	80-120		
Matrix Spike (B628885-MS1)	**Sample: JC02435-01**			Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	2.73	mg/L		2.778	ND	98	50-150		
Arsenic	2.69	mg/L		2.778	ND	97	50-150		
Barium	2.94	mg/L		2.778	0.275	96	50-150		
Beryllium	2.61	mg/L		2.778	ND	94	50-150		
Cadmium	2.59	mg/L		2.778	ND	93	50-150		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B628885-MS1)	**Sample: JC02435-01**			Prepared: 03/19/26 Analyzed: 03/20/26					
Chromium	2.69	mg/L		2.778	0.0503	95	50-150		
Copper	2.54	mg/L		2.778	ND	91	50-150		
Lead	2.70	mg/L		2.778	0.0051	97	50-150		
Selenium	2.70	mg/L		2.778	0.0313	96	50-150		
Thallium	2.65	mg/L		2.778	ND	95	50-150		
Mercury	0.0502	mg/L		0.05556	ND	90	50-150		
Matrix Spike Dup (B628885-MSD1)	**Sample: JC02435-01**			Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	2.70	mg/L		2.778	ND	97	50-150	0.9	20
Arsenic	2.70	mg/L		2.778	ND	97	50-150	0.3	20
Barium	2.95	mg/L		2.778	0.275	96	50-150	0.6	20
Beryllium	2.60	mg/L		2.778	ND	94	50-150	0.1	20
Cadmium	2.60	mg/L		2.778	ND	94	50-150	0.2	20
Chromium	2.68	mg/L		2.778	0.0503	95	50-150	0.4	20
Copper	2.54	mg/L		2.778	ND	91	50-150	0.2	20
Lead	2.67	mg/L		2.778	0.0051	96	50-150	1	20
Selenium	2.71	mg/L		2.778	0.0313	97	50-150	0.4	20
Thallium	2.64	mg/L		2.778	ND	95	50-150	0.5	20
Mercury	0.0505	mg/L		0.05556	ND	91	50-150	0.6	20
Batch B628886 - SW 3015 TCLP - EPA 6020A									
Blank (B628886-BLK1)				Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	< 0.0030	mg/L							
Arsenic	< 0.0050	mg/L							
Barium	< 0.50	mg/L							
Beryllium	< 0.0010	mg/L							
Boron	< 0.25	mg/L							
Cadmium	< 0.0010	mg/L							
Chromium	< 0.0040	mg/L							
Cobalt	< 0.0050	mg/L							
Copper	0.0142	mg/L							
Iron	< 30	ug/L							
Lead	< 0.0050	mg/L							
Manganese	< 0.0010	mg/L							
Nickel	< 0.0050	mg/L							
Selenium	< 0.0025	mg/L							
Silver	< 0.0050	mg/L							
Thallium	< 0.0010	mg/L							
Zinc	< 0.50	mg/L							
Mercury	< 0.00050	mg/L							
LCS (B628886-BS1)				Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	2.71	mg/L		2.778		97	80-120		
Arsenic	2.92	mg/L		2.778		105	80-120		
Barium	2.67	mg/L		2.778		96	80-120		
Beryllium	2.70	mg/L		2.778		97	80-120		
Boron	2.77	mg/L		2.778		100	80-120		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B628886-BS1)				Prepared: 03/19/26 Analyzed: 03/20/26					
Cadmium	2.85	mg/L		2.778		103	80-120		
Chromium	2.86	mg/L		2.778		103	80-120		
Cobalt	2.85	mg/L		2.778		102	80-120		
Copper	2.82	mg/L		2.778		101	80-120		
Iron	2860	ug/L		2778		103	80-120		
Lead	2.71	mg/L		2.778		97	80-120		
Manganese	2.90	mg/L		2.778		104	80-120		
Nickel	2.78	mg/L		2.778		100	80-120		
Selenium	2.70	mg/L		2.778		97	80-120		
Silver	0.269	mg/L		0.2778		97	80-120		
Thallium	2.68	mg/L		2.778		97	80-120		
Zinc	2.95	mg/L		2.778		106	80-120		
Mercury	0.0506	mg/L		0.05556		91	80-120		
Matrix Spike (B628886-MS1)	**Sample: JC02435-01**			Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	2.66	mg/L		2.778	ND	96	50-150		
Arsenic	2.66	mg/L		2.778	ND	96	50-150		
Barium	3.69	mg/L		2.778	1.07	94	50-150		
Beryllium	2.52	mg/L		2.778	ND	91	50-150		
Boron	2.84	mg/L		2.778	0.154	97	50-150		
Cadmium	2.57	mg/L		2.778	ND	92	50-150		
Chromium	2.61	mg/L		2.778	0.0272	93	50-150		
Cobalt	2.58	mg/L		2.778	0.00236	93	50-150		
Copper	2.48	mg/L		2.778	ND	89	50-150		
Iron	2590	ug/L		2778	ND	93	50-150		
Lead	2.62	mg/L		2.778	0.00425	94	50-150		
Manganese	2.60	mg/L		2.778	ND	94	50-150		
Nickel	2.49	mg/L		2.778	ND	90	50-150		
Selenium	2.70	mg/L		2.778	0.0269	96	50-150		
Silver	0.242	mg/L		0.2778	ND	87	50-150		
Thallium	2.59	mg/L		2.778	ND	93	50-150		
Zinc	2.59	mg/L		2.778	ND	93	50-150		
Mercury	0.0508	mg/L		0.05556	ND	91	50-150		
Matrix Spike Dup (B628886-MSD1)	**Sample: JC02435-01**			Prepared: 03/19/26 Analyzed: 03/20/26					
Antimony	2.65	mg/L		2.778	ND	95	50-150	0.5	20
Arsenic	2.70	mg/L		2.778	ND	97	50-150	2	20
Barium	3.70	mg/L		2.778	1.07	95	50-150	0.1	20
Beryllium	2.56	mg/L		2.778	ND	92	50-150	1	20
Boron	2.90	mg/L		2.778	0.154	99	50-150	2	20
Cadmium	2.54	mg/L		2.778	ND	92	50-150	1	20
Chromium	2.61	mg/L		2.778	0.0272	93	50-150	0.1	20
Cobalt	2.60	mg/L		2.778	0.00236	94	50-150	0.7	20
Copper	2.49	mg/L		2.778	ND	90	50-150	0.2	20
Iron	2610	ug/L		2778	ND	94	50-150	0.4	20
Lead	2.63	mg/L		2.778	0.00425	94	50-150	0.2	20
Manganese	2.60	mg/L		2.778	ND	94	50-150	0.07	20

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B628886-MSD1)	**Sample: JC02435-01**			Prepared: 03/19/26 Analyzed: 03/20/26					
Nickel	2.49	mg/L		2.778	ND	90	50-150	0.3	20
Selenium	2.71	mg/L		2.778	0.0269	96	50-150	0.3	20
Silver	0.240	mg/L		0.2778	ND	86	50-150	1	20
Thallium	2.60	mg/L		2.778	ND	94	50-150	0.4	20
Zinc	2.60	mg/L		2.778	ND	94	50-150	0.3	20
Mercury	0.0504	mg/L		0.05556	ND	91	50-150	0.8	20
Batch B628958 - No Prep - SM 4500-F C-2011									
Calibration Blank (B628958-CCB1)				Prepared & Analyzed: 03/20/26					
Fluoride	0.0220	mg/L							
Calibration Check (B628958-CCV1)				Prepared & Analyzed: 03/20/26					
Fluoride	0.699	mg/L		0.7000		100	90-110		
Matrix Spike (B628958-MS6)	**Sample: JC02082-01**			Prepared & Analyzed: 03/20/26					
Fluoride	2.00	mg/L		1.000	0.994	101	80-120		
Matrix Spike Dup (B628958-MSD6)	**Sample: JC02082-01**			Prepared & Analyzed: 03/20/26					
Fluoride	1.94	mg/L		1.000	0.994	94	80-120	3	20
Batch B629064 - 04-No Prep WC - EPA 420.1									
Blank (B629064-BLK1)				Prepared & Analyzed: 03/23/26					
Phenol	< 0.050	mg/L							
LCS (B629064-BS1)				Prepared & Analyzed: 03/23/26					
Phenol	0.481	mg/L		0.5000		96	90-110		
Matrix Spike (B629064-MS1)	**Sample: JC02435-01**			Prepared & Analyzed: 03/23/26					
Phenol	1.90	mg/L		2.000	ND	95	75-125		
Matrix Spike Dup (B629064-MSD1)	**Sample: JC02435-01**			Prepared & Analyzed: 03/23/26					
Phenol	1.90	mg/L		2.000	ND	95	75-125	0	20
Batch B629071 - No Prep - EPA 300.0 REV 2.1									
Blank (B629071-BLK1)				Prepared & Analyzed: 03/20/26					
Chloride	< 1.0	mg/L							
Calibration Blank (B629071-CCB1)				Prepared & Analyzed: 03/20/26					
Chloride	0.00	mg/L							
Calibration Check (B629071-CCV1)				Prepared & Analyzed: 03/20/26					
Chloride	4.93	mg/L		5.000		99	90-110		
Batch B629071 - No Prep - EPA 9056A									
Blank (B629071-BLK1)				Prepared & Analyzed: 03/20/26					
Sulfate	< 1.0	mg/L							
Calibration Blank (B629071-CCB1)				Prepared & Analyzed: 03/20/26					
Sulfate	0.00	mg/L							
Calibration Check (B629071-CCV1)				Prepared & Analyzed: 03/20/26					
Sulfate	4.99	mg/L		5.000		100	90-110		
Batch B629097 - No Prep - Soil Analysis 91-4									
Blank (B629097-BLK1)				Prepared & Analyzed: 03/23/26					

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B629097-BLK1)				Prepared & Analyzed: 03/23/26					
Calcium Carbonate Equivalent	< 1.0	% wet							
Duplicate (B629097-DUP1)	**Sample: JC02080-01**			Prepared & Analyzed: 03/23/26					
Calcium Carbonate Equivalent	77.8	% dry			80.3			3	20
Batch B629315 - No Prep - EPA Kelada-01									
Calibration Blank (B629315-CCB1)				Prepared & Analyzed: 03/24/26					
Cyanide	0.00200	mg/L							
Calibration Check (B629315-CCV1)				Prepared & Analyzed: 03/24/26					
Cyanide	0.0527	mg/L		0.05000		105	85-115		
Matrix Spike (B629315-MS4)	**Sample: JC02435-01**			Prepared & Analyzed: 03/24/26					
Cyanide	0.0503	mg/L		0.05000	0.00200	97	90-110		
Matrix Spike Dup (B629315-MSD4)	**Sample: JC02435-01**			Prepared & Analyzed: 03/24/26					
Cyanide	0.0527	mg/L		0.05000	0.00200	101	90-110	5	20
Batch B629779 - 04-No Prep WC Solid - EPA 9045D									
Duplicate (B629779-DUP1)	**Sample: JC02435-01**			Prepared & Analyzed: 04/01/26					
pH paste	12.5	pH Units	E, Ht		12.5			0.1	200

Pace Analytical Services, LLC
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NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

E	Estimated - concentration exceeds the instrument calibration range.
H	Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
Ht	Sample received outside of holding time.
Q1	Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q2	Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q4	The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Elizabeth M. Shaw

Certified by: Elizabeth Shaw, Project Manager

PIXE Test Report
Elemental Analysis, Inc.
2101 Capstone Dr. Ste. 110
Lexington, KY 40511
Tel: 1-800-563-PIXE(7493)

Date:	4/1/2026
Run:	147
Job:	1795-26
Name:	Pace Analytical Services LLC
Project:	Elizabeth Shaw
Target:	JC02435-01E

Element Name	Energy (keV)	Det. Limit 95% Conf.	Concentration Mass	Error
* O			32.414%	
Sodium	1.041	0.141%	0.460%	0.085%
Magnesium	1.254	743.500 ppm	9.818%	0.098%
Aluminium	1.487	349.200 ppm	6.042%	0.060%
Silicon	1.740	242.200 ppm	10.591%	0.106%
Phosphorus	2.010	270.700 ppm	0.840%	0.022%
Sulphur	2.308	211.500 ppm	6.210%	0.062%
Chlorine	2.622	104.500 ppm	0.200%	0.013%
Potassium	3.314	205.200 ppm	1.110%	0.022%
Calcium	3.692	652.400 ppm	29.120%	0.291%
Sc	4.091	0.100%		
Titanium	4.511	182.900 ppm	0.606%	0.019%
V	4.952	84.800 ppm		
Cr	5.415	20.820 ppm		
Manganese	5.899	15.350 ppm	369.486 ppm	13.597 ppm
Iron	6.405	25.480 ppm	2.304%	0.023%
Co	6.930	24.800 ppm		
Nickel	7.478	5.688 ppm	33.855 ppm	3.575 ppm
Copper	8.048	4.169 ppm	126.933 ppm	4.506 ppm
Zinc	8.639	4.523 ppm	190.199 ppm	5.192 ppm
Ga	9.250	4.109 ppm		
Ge	9.887	2.433 ppm		
As	10.544	3.713 ppm		
Selenium	11.222	3.542 ppm	10.841 ppm	2.714 ppm
Bromine	11.924	2.700 ppm	41.463 ppm	4.159 ppm
Rb	13.395	7.879 ppm		
Strontium	14.165	23.570 ppm	0.205%	0.003%
Y	14.959	11.430 ppm		
Zr	15.775	45.180 ppm		
Nb	16.615	8.869 ppm		
Mo	17.480	12.500 ppm		
Tc	18.367	6.976 ppm		
Ru	19.279	10.830 ppm		
Rh	20.216	16.410 ppm		
Pd	21.176	18.000 ppm		
Ag	22.162	22.770 ppm		
Cd	23.173	25.090 ppm		
In	24.210	22.430 ppm		
Sn	25.271	62.860 ppm		
Sb	26.359	73.700 ppm		
Te	3.768	0.499%		
I	3.937	0.200%		
Cs	4.288	311.500 ppm		
Ba	4.466	0.118%		
La	4.648	519.900 ppm		
Ce	4.841	328.300 ppm		
Pr	5.034	175.900 ppm		
Nd	5.230	108.200 ppm		
Pm	5.431	72.570 ppm		
Sm	5.632	42.090 ppm		
Eu	5.841	72.570 ppm		
Gd	6.050	33.000 ppm		
Tb	6.271	193.900 ppm		

PIXE Test Report
Elemental Analysis, Inc.
2101 Capstone Dr. Ste. 110
Lexington, KY 40511
Tel: 1-800-563-PIXE(7493)

Date:	4/1/2026
Run:	147
Job:	1795-26
Name:	Pace Analytical Services LLC
Project:	Elizabeth Shaw
Target:	JC02435-01E

Element Name	Energy (keV)	Det. Limit 95% Conf.	Concentration Mass	Error
Dy	6.492	259.600 ppm		
Ho	6.725	23.810 ppm		
Er	6.945	95.580 ppm		
Tm	7.182	73.340 ppm		
Yb	7.416	18.380 ppm		
Lu	7.655	10.210 ppm		
Hf	7.899	13.120 ppm		
Ta	8.149	17.850 ppm		
W	8.398	9.989 ppm		
Re	8.652	31.620 ppm		
Os	8.911	13.060 ppm		
Ir	9.174	10.180 ppm		
Pt	9.443	10.960 ppm		
Au	9.712	8.553 ppm		
Hg	9.989	6.439 ppm		
Tl	10.267	7.503 ppm		
Pb	10.551	9.974 ppm		
Bi	10.838	6.181 ppm		
Th	12.968	13.350 ppm		
U	13.616	14.550 ppm		

March 27, 2026

Client: PACE Analytical Services, LLC
Attn: Ms. Elizabeth Shaw
Email: liz@pacelabs.com

RE: JC02435-01 Fly Ash Silo
PACE Analytical Laboratories
26001771.00

SIEVE ANALYSIS TEST RESULTS

SAMPLE NUMBER:	PACE #JC02435-01 - Fly Ash Silo

SIEVE DESIGNATION	PERCENTAGE BY WEIGHT PASSING-%
#4	100.0
#8	100.0
#60	100.0

Should you have any questions or comments whatsoever in regard to this report, or if any additional information is desired, please do not hesitate to contact us at your convenience.

Sincerely,

Scott M. Osmulski

Senior Field Technician 1/Peoria Operations Manager

Scott.M.Osmulski@imegcorp.com

Enclosure

SMO/rma

\\files\Active\Projects\2026\26001771.00\Construction\MaterialsTesting\20260327_26001771.00_001_Sieve Analysis_smo.docx

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

JC02435

SENDING LABORATORY

PDC Laboratories, Inc.
944 Anglum Road
Hazelwood, MO 63042
(800) 333-3278

RECEIVING LABORATORY

IMEG CORP
2406 W Nebraska Avenue
Peoria, IL 61604
(309) 673-2131

Sample: JC02435-01
Name: Fly Ash Silo

Sampled: 03/02/26 12:55
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
01-Sieve	04/07/26 16:00	08/29/26 12:55	% passing 4, 8 & 60

Please email results to Elizabeth Shaw at liz.shaw@pacelabs.com

Date Shipped: 3/16/26 Total # of Containers: 1 Sample Origin (State): MO PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
M Chamberlain	3/16/26		

Sample Temperature Upon Receipt	____ °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

JC024135

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain of Custody is a LEGAL DOCUMENT – Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Archer Daniels Midland - Clinton

Street Address: 1800 S 5th St, Clinton, IA 52732

Customer Project #: 253529

Project Name: Archer Daniels Midland - Clinton [ADM CLINTON ASH TESTING]

Site Collection Info/Facility ID (as applicable): ADM Cogen GU9

Contact/Report To: Hubert Conely

Phone #: (563) 241-4615

E-Mail: hubert.conely@adm.com

Cc E-Mail:

Invoice To: Compa

Invoice E-mail:

Purchase Order # (if applicable): 4001268957

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [✓] CT [ ] ET

Country / State origin of sample(s): IA

Date Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] TRRP [ ] Other

Regulatory Program (SDW, RCRA, etc.) (as applicable): Reportable: [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

Est. PWSID # or WW permit # (as applicable):

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Air/Gas (A), Surface Water (SW), Sediment (SED), Sludge (SL), Other (OT), Radioactivity (RA), Biosolid (BS), Other (OT)

Customer Sample ID (1000 mL)	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Ash Testing ADM-CL-ASH	ADM-CL-Ash	ADM-CL-ASH	Sample Comment
Fly Ash Silo Grab 1-3	SS	G	3/2/26	12 45	3/2/26	12 55	3			X			
Fly Ash Silo Grab 4oz 1-2	SS	G	3/2/26	12:45	3/2/26	12:55	2				X		
Fly Ash Silo Grab 16 oz	SS	G	3/2/26	12:45	3/2/26	12:55	1					X	

Specify Container Size**: 10 | 10 | 10

Identify Container Preservative Type***: 1 | | 1

**Container Size: (1) 1L (2) 500mL (3) 250mL (4) 125mL (5) 100mL (6) 40ml vial (7) Encore (8) TerraCore (9) 90ml (10) Other

***Preservative Types: (1) None, (2) HNO3, (3) H2SO4 (4) HCl (5) NaOH (6) Zn Acetate, (7) NaHSO4, (8) Soil Pace Kit, (9) Ascorbic Acid, (10) MeOH (11) Other

Lab Use Only: Proj. Mgr: Elizabeth Shaw; Acct.Num / Client ID:; Table #:; Profile / Template: ADM CLINTON ASH TESTING; Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample

IR Gun # 69 Correction Factor (Deg C) 0.9

Observed Temp (Deg C) 21.4 Corrected Temp (Deg C) 22.3

Delivery Method: FedEx UPS Walk-in USPS Other -C

Additional Instructions from Pace®:

Collected By Printed Name: HUBERT CONELY

Collected By Signature:

Customer Remarks / Special Conditions / Possible Hazards: ASH samples NO PRE cooling

Coolers | Thermometer ID | Cooler Factor (°C) | Obs Temp (°C) | Corrected Temp (°C) | [ ] On Ice

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Dustin Wilsema ADM	1pm 3/2/26	Dustin Wilsema	3/2/26 1108
Dustin Wilsema	1:00 3/2/26		3-10 1245
SM	3-10 1520		3/10/26 1520
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
SM			5:50

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: of

Client is responsible for all Pace® charges and agrees to the Pace® Terms and Conditions found at www.pacelabs.com/terms-and-conditions.

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Archer Daniels midland-clinton Work Order #: JC02435 Completed by / Date: 3/11/26

Custody seal on cooler/box present and seal intact:	☐Yes ☐No ☒N/A	
Chain of Custody (CoC) Present:	☒Yes ☐No	
CoC is Legible:	☒Yes ☐No	
Sampler Name Present on COC:	☒Yes ☐No	
Sampler Signature Present on CoC:	☒Yes ☐No	
Sample Collection Date Present on CoC:	☒Yes ☐No	
Sample Collection Time Present on CoC:	☒Yes ☐No	
CoC Relinquished by Client:	☒Yes ☐No	
Unique Sample ID's Present on CoC:	☒Yes ☐No	
CoC and Sample Container Labels Match:	☒Yes ☐No	
Sample chilling process started prior to receipt: If yes, what type of Ice:	☐Yes ☐No ☒N/A ☐Wet ☐Blue	
Samples received within temperature compliance: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☒Yes ☐No ☐N/A	
Container(s) Received Intact:	☒Yes ☐No	
Containers Received Labeled and Labels are Legible:	☒Yes ☐No	
Appropriate Bottles Received for Analysis Requested:	☒Yes ☐No	
Sufficient Sample Volume Received:	☒Yes ☐No	
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐Yes ☐No ☒N/A	
Trip Blank(s) Received: If present, are they Listed on CoC:	☐Yes ☐No ☒N/A ☐Yes ☐No	
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐Yes ☐No ☒N/A	
All (Non-Field) Analysis Received Within Hold Times:	☒Yes ☐No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐Yes ☒No	
Short Hold Time Analysis (48 Hours or Less):	☐Yes ☒No	

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

WORK ORDER #: JC02435 INITIALS: SNP

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total										
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total										
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 1L HNO_3										
P, U, 2.5L										
P, U, 50ml										
S, U, P, 120ml										
S, P, 120ml $Na_2S_2O_3$										
P, 16oz - Soil/Sludge										
Amber Glass Bottles - Vials										
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml $MeCl_2$										
A, G, 500ml H_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, G, U, 100ml										
A, V, 40ml H_2SO_4										
A, V, U, 60ml										
Clear Glass Bottles - Soil/Sludge Jars - Vials										
C, G, 1000ml HCl										
C, G, U, 1000ml	3									
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar			1							
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar	2	2								
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										
_____										
_____										
_____										

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

JC02435

SENDING LABORATORY

PDC Laboratories, Inc.
944 Anglum Road
Hazelwood, MO 63042
(800) 333-3278

RECEIVING LABORATORY

Pace Analytical Services, LLC - Peoria
2231 W Altorfer Dr
Peoria, IL 61615
(309) 692-9688

Sample: JC02435-01
Name: Fly Ash Silo

Sampled: 03/02/26 12:55
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
300.0 Cl DI	03/23/26 16:00	03/30/26 12:55	
300.0 SO4 DI	03/23/26 16:00	03/30/26 12:55	
Ag 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Ag 6020 Tot	03/23/26 16:00	08/29/26 12:55	
As 6020 SPLP	03/23/26 16:00	08/29/26 12:55	0.01 mg/l
As 6020 TCLP	03/23/26 16:00	08/29/26 12:55	0.01 mg/l
As 6020 Tot	03/23/26 16:00	08/29/26 12:55	
ASTM Shake Test - CN	03/23/26 16:00	08/29/26 12:55	
ASTM Shake Test - WC	03/23/26 16:00	08/29/26 12:55	
B 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
B 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Ba 6020 SPLP	03/23/26 16:00	08/29/26 12:55	
Ba 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Ba 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Be 6020 SPLP	03/23/26 16:00	08/29/26 12:55	
Be 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Be 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Ca 6020 Tot	03/23/26 16:00	08/29/26 12:55	
CaCO3 Equiv	03/23/26 16:00	03/30/26 12:55	
Cd 6020 SPLP	03/23/26 16:00	08/29/26 12:55	
Cd 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Cd 6020 Tot	03/23/26 16:00	08/29/26 12:55	
CN DI KELADA	04/07/26 16:00	03/16/26 12:55	
Co 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Co 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Cr 6020 SPLP	03/23/26 16:00	08/29/26 12:55	

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

JC02435

SENDING LABORATORY

PDC Laboratories, Inc.
944 Anglum Road
Hazelwood, MO 63042
(800) 333-3278

RECEIVING LABORATORY

Pace Analytical Services, LLC - Peoria
2231 W Altorfer Dr
Peoria, IL 61615
(309) 692-9688

Sample: JC02435-01
Name: Fly Ash Silo

Sampled: 03/02/26 12:55
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
Cr 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Cr 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Cu 6020 SPLP	03/23/26 16:00	08/29/26 12:55	
Cu 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Cu 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Fe 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Fe 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Fluoride probe	03/23/26 16:00	03/30/26 12:55	
Fluoride probe DI	03/23/26 16:00	03/30/26 12:55	
Hg 6020 SPLP	03/23/26 16:00	03/30/26 12:55	
Hg 6020 TCLP	03/23/26 16:00	03/30/26 12:55	
Hg 6020 Tot	03/23/26 16:00	03/30/26 12:55	
Li 6010 Tot	03/23/26 16:00	08/29/26 12:55	
Mn 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Mn 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Mo 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Ni 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Ni 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Pb 6020 SPLP	03/23/26 16:00	08/29/26 12:55	
Pb 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Pb 6020 Tot	03/23/26 16:00	08/29/26 12:55	
S 6010 Tot	03/23/26 16:00	08/29/26 12:55	
Sb 6020 SPLP	03/23/26 16:00	08/29/26 12:55	0.006 mg/l
Sb 6020 TCLP	03/23/26 16:00	08/29/26 12:55	0.006 mg/l
Sb 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Se 6020 SPLP	03/23/26 16:00	08/29/26 12:55	
Se 6020 TCLP	03/23/26 16:00	08/29/26 12:55	

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

JC02435

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PDC Laboratories, Inc.
944 Anglum Road
Hazelwood, MO 63042
(800) 333-3278

RECEIVING LABORATORY

Pace Analytical Services, LLC - Peoria
2231 W Altorfer Dr
Peoria, IL 61615
(309) 692-9688

Sample: JC02435-01
Name: Fly Ash Silo

Sampled: 03/02/26 12:55
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
Se 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Solids-LOI	03/23/26 16:00	08/29/26 12:55	
Solids-TDS - paste	03/23/26 16:00	03/09/26 12:55	
Solids-TS	03/23/26 16:00	03/09/26 12:55	
SW 3015	03/23/26 16:00	03/30/26 12:55	IR Gun # 16 Correction Factor (Deg C) +0.1
SW 3051	03/23/26 16:00	03/30/26 12:55	Observed Temp (Deg C) 4.3 Corrected Temp (Deg C) 4.4
SW SPLP 1312	03/23/26 16:00	03/30/26 12:55	
SW TCLP 1311	03/23/26 16:00	03/30/26 12:55	Delivery Method: FedEx UPS Walk-in USPS Other
SW TCLP 1311 Phenol	03/23/26 16:00	03/30/26 12:55	
TI 6020 SPLP	03/23/26 16:00	08/29/26 12:55	
TI 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
TI 6020 Tot	03/23/26 16:00	08/29/26 12:55	Needs to report to 0.78 mg/kg - Do not dilute above 5
V 6020 Tot	03/23/26 16:00	08/29/26 12:55	
Zn 6020 TCLP	03/23/26 16:00	08/29/26 12:55	
Zn 6020 Tot	03/23/26 16:00	08/29/26 12:55	

Please email results to Elizabeth Shaw at liz.shaw@pacelabs.com

Date Shipped:_____ Total # of Containers: _____ Sample Origin (State): _____ PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
	1445 3/3/26		1030 3/3/26
Relinquished By	Date/Time	Received By	Date/Time

Sample Temperature Upon Receipt	____ °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

JC02435

SENDING LABORATORY

PDC Laboratories, Inc.
944 Anglum Road
Hazelwood, MO 63042
(800) 333-3278

RECEIVING LABORATORY

IMEG CORP
2406 W Nebraska Avenue
Peoria, IL 61604
(309) 673-2131

Sample: JC02435-01
Name: Fly Ash Silo

Sampled: 03/02/26 12:55
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
01-Sieve	04/07/26 16:00	08/29/26 12:55	% passing 4, 8 & 60

Please email results to Elizabeth Shaw at liz.shaw@pacelabs.com

Date Shipped _____ Total # of Containers: 2 Sample Origin (State) _____ PO # _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
MG	3-13-26		1050 3-13-26
	3.13.26		14:45

Sample Temperature Upon Receipt ____ °C
Sample(s) Received on Ice Y or N
Proper Bottles Received in Good Condition Y or N
Bottles Filled with Adequate Volume Y or N
Samples Received Within Hold Time Y or N
Date/Time Taken From Sample Bottle Y or N