

IOWA DEPARTMENT OF NATURAL RESOURCES

REQUEST FOR SPECIAL WASTE AUTHORIZATION



Check one of the following:

New Application

Renewal, Existing SWA #:

07-SWA-116-22

The intent of a special waste authorization is to provide safe and proper management for disposal of wastes which present a threat to human health or the environment or a waste with inherent properties which make the disposal of the waste in a sanitary landfill difficult to manage. It is each landfill's responsibility to inform the waste generator if a waste should be handled as a special waste and to ensure that special wastes delivered to the landfill conform to the Special Waste Acceptance Criteria (SWAC) on file with the Department. It is the Department's responsibility to review each application for a special waste authorization to verify that the proposed waste can be landfilled under the current regulations in lowa.

READ THE FOLLOWING INSTRUCTIONS BEFORE COMPLETING THIS APPLICATION

Waste Generator:

- 1. Complete Sections 1-3 of this application applicable to the waste characterization and disposal information.
- 2. Attach Toxicity Characteristic Leaching Procedure (TCLP) test results, material safety data sheet(s) (MSDS), or evidence of "processor knowledge" when appropriate that demonstrates the waste is not considered a characteristic hazardous waste exhibiting the properties of flammability, corrosivity, reactivity or toxicity or a listed hazardous waste as defined in 40 CFR Part 261, Subpart D.
- 3. Provide signature in Section 3 to verify that the information provided is true, accurate and complete.
- 4. Mail or deliver the completed application with attachments to the requested disposal destination (must be a landfill that is authorized to accept waste from the service area of where the waste was generated). Please contact Sue Johnson at (515) 217-0872 for a list of landfills authorized to accept waste from the service area in which your facility is located.

Receiving Landfill: Prior review of this application by the receiving landfill allows the department to more quickly process and evaluate the application.

- 1. Complete Section 5 of this application applicable to the landfill.
- 2. Indicate by signing the application that the landfill is willing to accept the waste if a Special Waste Authorization is issued by the department and if instructions for disposal of the waste, as contained in the landfill's SWAC, are followed by the generator.
- 3. Attach SWAC procedures for disposal of the waste.
- 4. Keep 1 copy for your records and <u>submit the remaining one copy</u> of the completed application with attachments (TCLP, MSDS, SWAC, etc.) to the department at the following address, or email to <u>Susan.Johnson@dnr.iowa.gov</u>:

Iowa Department of Natural Resources Land Quality Bureau- Attn: Susan Johnson 502 East 9th Street Des Moines, IA 50319-0034

Applications will be considered incomplete if not signed by both the waste generator and receiving landfill. The receiving landfill must attach a copy of the SWAC for the particular waste for which the application has been submitted.

Written notification of approval or rejection will be mailed or emailed to the generator and landfill. If approved, a copy of the authorization must accompany the waste hauler to the landfill.

For questions concerning this application contact Sue Johnson at (515) 217-0872 or Susan.Johnson@dnr.iowa.gov.

SECTION 1: WASTE GENERATOR INFORMATION Title Environmental Engineer Name of Primary Contact* Christina Konicek *SWA approvals will be sent to this person at the address provided below. John Deere **Company Name** 2000 Westfield Ave **Mailing Address** City Waterloo State Iowa Zip Code 50701 319-292-6964 konicekchristina@johndeere.com Telephone # **Email Address**

Address or	ocation of the point of generation of the was	te, if diff	erent from the compa	ny address:	
Address					
City		State		Zip Code	

SECTION 2: WASTE CHARACTERIZATION

Waste determined to be hazardous may not be landfilled in Iowa. Attach TCLP analysis that demonstrates the waste is not considered hazardous. For raw or virgin materials being disposed of, a MSDS that indicates the waste is not hazardous may be submitted in lieu of a TCLP analysis.

The generator may also apply knowledge of the hazardous characteristic(s) of the waste in light of the materials or the processes used ("knowledge of process"). In order to use knowledge to characterize the waste, the knowledge that is applied must be valid and verifiable and the generator must be able to demonstrate the basis for their claim by providing supporting information to justify that conclusion.

Name and description of waste. Please address any RCRA listings derived from wastes etc., that may be applicable and why these listings would not pertain to the waste:

Quarterly disposal of approximately 28,000 pounds of oily sand contaminated with

hydraulic oil, generated from cleanup of pits in the foundry. Hydraulic oil and used foundry sand leak from equipment onto the floor as part of standard operation and maintenance activities.

Has any pretreatment been utilized? If so, please describe the pretreatment process:

Pretreatment is not utilized.

List the alternatives to disposal that were analyzed and reason not utilized (attach extra sheets if necessary):

Small quantities of material has been drummed and sent to Veolia, who places this material in a landfill. This process is costly and inefficient.

Physical state at room temperature?	$oxed{ imes}$ Solid	Semi-Solid	Liquid		
Percent (%) Solid: 98.5%	pH: ^{9.6}	Flashpoint:	>202		
Does this waste pass the paint filter liquid Free liquids are prohibited from landfill of when a 100-millimeter or 100-gram repri (fine mesh size) conical paint filter for five	lisposal. Free liq esentative samp			60 Yes	⊠ No
Is this waste a listed hazardous waste as web link to find listed hazardous wastes:				ng Yes	⊠ No
Does this waste exhibit the property of ig	gnitability as def	fined in 40 CFR 261, S	Subpart C?	Yes	⊠ No
Does this waste exhibit the property of c	orrosivity as def	fined in 40 CFR 261, S	Subpart C?	Yes	⊠ No
Does this waste exhibit the property of r	eactivity as defi	ned in 40 CFR 261, Sເ	ıbpart C?	Yes	⊠ No
Does this waste exhibit the property of t	oxicity as define	d in 40 CFR 261, Sub	part C?	Yes	⊠ No
Indicate the proposed disposal location a disposal. If on going, indicate the approx	and if this is a re			l waste or a on	e-time
Landfill Name* Black Hawk County Landfil *List only a landfill that is authorized to accept w or susan.johnson@dnr.iowa.gov for a list of landfil	 vaste from the serve	ice area of where the wa	ste was generated. Sue J	Johnson at (515) .	217-0872
Landfill Name* Black Hawk County Landfil *List only a landfill that is authorized to accept w	 vaste from the servi fills authorized to a	ice area of where the wa ccept waste from your fa	ste was generated. Sue J	Johnson at (515) . _ pounds	217-0872
Landfill Name* Black Hawk County Landfil *List only a landfill that is authorized to accept w or susan.johnson@dnr.iowa.gov for a list of landfil	 vaste from the serve ills authorized to a verage disposal	ice area of where the wa ccept waste from your fa rate per quarter of	ste was generated. Sue dicility.		217-0872
Landfill Name* Black Hawk County Landfil *List only a landfill that is authorized to accept w or susan.johnson@dnr.iowa.gov for a list of landfil Congoing (or intermittent) with an av	vaste from the servi fills authorized to a verage disposal to be disposed o	ice area of where the wa ccept waste from your fa rate per quarter of	ste was generated. Sue scility. 28000	pounds	217-0872
Landfill Name* Black Hawk County Landfil *List only a landfill that is authorized to accept w or susan.johnson@dnr.iowa.gov for a list of landfi Ongoing (or intermittent) with an av Indicate the amount on hand	vaste from the servi fills authorized to a verage disposal to be disposed di vantity of CATION 7.1(c), Code of I concerning haza	ice area of where the wa ccept waste from your fa rate per quarter of of immediately: pound owa) that I have exa ardous waste, and all	ste was generated. Sue scility. 28000 pos mined and am familiattachments, and the	pounds punds far with the nat, based on r	ny
Landfill Name* Black Hawk County Landfil *List only a landfill that is authorized to accept wor susan.johnson@dnr.iowa.gov for a list of landfile in the landfile in this document inquiry of those individuals immediately	vaste from the servi fills authorized to a verage disposal to be disposed di vantity of CATION 7.1(c), Code of I concerning haza	ice area of where the wa ccept waste from your fa rate per quarter of of immediately: pound owa) that I have exa ardous waste, and all	ste was generated. Sue scility. 28000 pos mined and am familiattachments, and the	pounds punds far with the nat, based on r	ny
Landfill Name* Black Hawk County Landfil *List only a landfill that is authorized to accept wor susan.johnson@dnr.iowa.gov for a list of landfill *List only a landfill that is authorized to accept work susan.johnson@dnr.iowa.gov for a list of landfill *List only on a list of landfill *List on a list on a list of landfill *List on a list on a list of landfill *List on a list on a list of landfill *List on a list on a list on a list of landfill *List on a list on a list of landfill *List on a list on a list of landfill *List on a list on a lis	vaste from the servi fills authorized to a verage disposal to be disposed di vantity of CATION 7.1(c), Code of I concerning haza	ice area of where the wa ccept waste from your fa rate per quarter of of immediately: pound owa) that I have exa ardous waste, and all obtaining the inform	ste was generated. Sue scility. 28000 po s mined and am famili attachments, and that attach, I believe that	pounds ounds far with the nat, based on rethe information	ny

See Landfill Information on the following page.

SECTION 5: LANDFILL INFORMATION

The following section is to be completed by the receiving landfill. By signing below, the landfill verifies that the application has been examined and if approved by the department, is willing to accept the waste described within, provided that instructions for disposal of the waste, as contained in the landfill's Special Waste Acceptance Criteria, are followed by the generator.

Prior review of this application by the receiving landfill will allow the department to more quickly process and evaluate the application.

Indicate the properties that lead you to believe this is a special waste:

This is an industrial waste that potentially contains RCRA-regulated hazardous materials and may be hazardous if TCLP limits are exceeded. The waste profile typically exceeds the 100 ppm oil limit with various levels of diesel fuel, requiring the material to be directly buried, as authorized in the Commission's permit.

Indicate any special handling procedures that the waste generator must follow prior to delivery at the landfill:

The generator is required to separate the material from other waste. If mixed, the entire load will be considered as special waste. Waste must not contain any free liquids.

Arrangements must be made 24 hours in advance to (319) 296-2524. The driver shall identify the material by the SWA number to the scale house operator upon arrival and provide a copy of the DNR SWA approval letter to the scale house operator while on the inbound scale.

The waste will be deposited in the designated area, worked into the active face and covered as required. All efforts between the generator and landfill to minimize fugitive dust is encouraged.

A generator is required to test the waste material periodically and notify BHCSWMC of any changes to the process or deviations from the submitted sampled parameters. The generator must notify the receiving landfill for re-evaluation.

Name of Responsible Official*: John A. F		
Solid Waste Agency Name Black Hawk C	ounty Solid Waste Management Co	mmission
Mailing Address 229 E. Park Ave., P.O. B	ox 208	
City Waterloo	State IA	Zip Code 50704
Telephone # 319-234-8115	Fax # jfoster@waste	etrac.org
Responsible Official Signature:	John A Foster	Date:August 15, 2025

ANALYTICAL REPORT

PREPARED FOR

Attn: Christina Konicek John Deere & Co 2000 Westfield Ave Waterloo, Iowa 50704

Generated 6/23/2025 3:08:22 PM

JOB DESCRIPTION

Oily Sand SWA

JOB NUMBER

310-308504-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613



Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated 6/23/2025 3:08:22 PM

Authorized for release by Conner Calhoun, Client Service Manager Conner.Calhoun@et.eurofinsus.com (319)277-2401

Client: John Deere & Co Project/Site: Oily Sand SWA Laboratory Job ID: 310-308504-1

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Case Narrative

Client: John Deere & Co

Job ID: 310-308504-1

Project: Oily Sand SWA

Job ID: 310-308504-1 Eurofins Cedar Falls

Job Narrative 310-308504-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/11/2025 3:57 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 24.8°C.

Metals

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

General Chemistry

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

Sample Summary

Client: John Deere & Co Project/Site: Oily Sand SWA Job ID: 310-308504-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-308504-1	Oily Sand	Solid	06/11/25 12:30	06/11/25 15:57

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Client Sample Results

Client: John Deere & Co Job ID: 310-308504-1

Project/Site: Oily Sand SWA

Client Sample ID: Oily Sand

Date Collected: 06/11/25 12:30 Date Received: 06/11/25 15:57 Lab Sample ID: 310-308504-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.100		0.100		mg/L		06/18/25 10:00	06/18/25 16:15	1
Barium	0.229		0.200		mg/L		06/18/25 10:00	06/18/25 16:15	1
Cadmium	<0.0200		0.0200		mg/L		06/18/25 10:00	06/18/25 16:15	1
Chromium	<0.0200		0.0200		mg/L		06/18/25 10:00	06/18/25 16:15	1
Lead	<0.100		0.100		mg/L		06/18/25 10:00	06/18/25 16:15	1
Selenium	<0.100		0.100		mg/L		06/18/25 10:00	06/18/25 16:15	1
Silver	<0.0500		0.0500		mg/L		06/18/25 10:00	06/18/25 16:15	1
Method: SW846 7470A - Mercury	(CVAA) - TCLI	•							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		06/18/25 11:21	06/19/25 09:51	1
Method: SW846 7471B - Mercury	(CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0186		0.0186		mg/Kg		06/20/25 14:46	06/23/25 11:28	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (ASTM D92)	>202		65.0		Degrees F			06/18/25 14:48	1
Percent Moisture (EPA Moisture)	1.5		0.1		%			06/13/25 07:52	1
r creciti moistare (El A moistare)					%			06/13/25 07:52	
Percent Solids (EPA Moisture)	98.5		0.1		70			00/13/23 07.32	1
Percent Solids (EPA Moisture)	98.5		0.1		70			00/13/23 07.32	1
,		Qualifier	0.1 RL	RL	Unit	D	Prepared	Analyzed	Dil Fac

6/23/2025

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Client Sample Results

Client: John Deere & Co Job ID: 310-308504-1

Project/Site: Oily Sand SWA

Client Sample ID: Oily Sand

Date Collected: 06/11/25 12:30 Date Received: 06/11/25 15:57 Lab Sample ID: 310-308504-1

Matrix: Solid

Percent Solids: 98.5

Method: SW846 6010D - N	Metals (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	7.24		0.846		mg/Kg		06/17/25 09:20	06/18/25 12:33	1
Copper	24.3		0.846		mg/Kg	₽	06/17/25 09:20	06/19/25 13:58	1
Lead	6.91		4.23		mg/Kg	₽	06/17/25 09:20	06/18/25 12:33	1
Manganese	41.8		2.12		mg/Kg	₽	06/17/25 09:20	06/18/25 12:33	1
Nickel	5.53		2.12		mg/Kg	₽	06/17/25 09:20	06/18/25 12:33	1
Zinc	64.6		4.23		mg/Kg	₽	06/17/25 09:20	06/19/25 13:58	1

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Action Limit Summary

Client: John Deere & Co Job ID: 310-308504-1

Project/Site: Oily Sand SWA

Client Sample ID: Oily Sand

Lab Sample ID: 310-308504-1

POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

STLC limits in boxes signify the result exceeds 10x STLC limit. TCLP limits in boxes signify the result exceeds 20x TCLP limit

					Total			
Analyte	Result	Qualifier	Unit	Limit	Limit	RL	Method	Prep Type
Chromium	7.24		mg/Kg	1	210	0.846	6010D	Total/NA
Copper	24.3		mg/Kg	13	15000	0.846	6010D	Total/NA
Lead	6.91		mg/Kg	0.15	400	4.23	6010D	Total/NA
Manganese	41.8		mg/Kg		10000	2.12	6010D	Total/NA
Nickel	5.53		mg/Kg		1500	2.12	6010D	Total/NA
Zinc	64.6		mg/Kg		23000	4.23	6010D	Total/NA
Arsenic	<0.100		mg/L	0.1	17	0.100	6010D	TCLP
Barium	0.229		mg/L	20	15000	0.200	6010D	TCLP
Cadmium	<0.0200		mg/L	0.05	70	0.0200	6010D	TCLP
Chromium	<0.0200		mg/L	1	210	0.0200	6010D	TCLP
Lead	<0.100		mg/L	0.15	400	0.100	6010D	TCLP
Selenium	<0.100		mg/L	0.5	390	0.100	6010D	TCLP
Silver	<0.0500		mg/L	5	370	0.0500	6010D	TCLP
Mercury	<0.00200		mg/L	0.02	23	0.00200	7470A	TCLP
Mercury	<0.0186		mg/Kg	0.02	23	0.0186	7471B	Total/NA

6/23/2025

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Lab Chronicle

Client: John Deere & Co Job ID: 310-308504-1

Project/Site: Oily Sand SWA

Client Sample ID: Oily Sand

Date Received: 06/11/25 15:57

Lab Sample ID: 310-308504-1 Date Collected: 06/11/25 12:30

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 06/17/25 15:00 - 06/18/25 07:00 ¹ TCLP Leach 1311 457867 U8FK EET CF **TCLP** Prep 3010A 457951 WK2X EET CF 06/18/25 10:00 **TCLP** Analysis 6010D 1 458058 ZRI4 EET CF 06/18/25 16:15 TCLP Leach 1311 457867 U8FK EET CF 06/17/25 15:00 - 06/18/25 07:00 1 TCLP Prep 7470A 457953 F5MW EET CF 06/18/25 11:21 TCLP Analysis 7470A 458132 F5MW EET CF 06/19/25 09:51 Total/NA Prep 7471B 457720 F5MW EET CF 06/20/25 14:46 Total/NA 7471B 458463 F5MW EET CF 06/23/25 11:28 Analysis DI Leach Soluble Leach 457856 T5AC EET CF 06/17/25 13:26 9045D Soluble Analysis 457901 T5AC EET CF 06/17/25 16:16 1 Total/NA Analysis D92 458039 ENB7 EET CF 06/18/25 14:48 1 Total/NA Analysis Moisture 1 457494 W9YR EET CF 06/13/25 07:52

Client Sample ID: Oily Sand

Lab Sample ID: 310-308504-1 Date Collected: 06/11/25 12:30 **Matrix: Solid**

Date Received: 06/11/25 15:57 Percent Solids: 98.5

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3050B			457628	WK2X	EET CF	06/17/25 09:20
Total/NA	Analysis	6010D		1	458023	ZRI4	EET CF	06/18/25 12:33
Total/NA	Prep	3050B			457628	WK2X	EET CF	06/17/25 09:20
Total/NA	Analysis	6010D		1	458192	ZRI4	EET CF	06/19/25 13:58

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

6/23/2025

Definitions/Glossary

Client: John Deere & Co Job ID: 310-308504-1 Project/Site: Oily Sand SWA

Qualifiers

General Chemistry

Qualifier **Qualifier Description**

Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Accreditation/Certification Summary

Client: John Deere & Co
Project/Site: Oily Sand SWA
Job ID: 310-308504-1

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	ım	Identification Number	Expiration Date
owa	State		007	12-01-25
• ,	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method D92	Prep Method	Matrix Solid	Analyte Flashpoint	
	Prep Method			

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Method Summary

Client: John Deere & Co

Job ID: 310-308504-1

Project/Site: Oily Sand SWA

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CF
'470A	Mercury (CVAA)	SW846	EET CF
'471B	Mercury (CVAA)	SW846	EET CF
045D	pH	SW846	EET CF
92	Flashpoint	ASTM	EET CF
loisture	Percent Moisture	EPA	EET CF
311	TCLP Extraction	SW846	EET CF
010A	Preparation, Total Metals	SW846	EET CF
050B	Preparation, Metals	SW846	EET CF
470A	Preparation, Mercury	SW846	EET CF
471B	Preparation, Mercury	SW846	EET CF
I Leach	Deionized Water Leaching Procedure	ASTM	EET CF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

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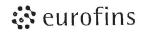
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Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

City/State: CTW CLe OU
Received Information Date/Time Particle Particle
Date/Time Received: DATE/ College Coll
Lab Courier Lab Field Services Client Drop-off Other: Condition of Cooler/Containers Sample(s) received in Cooler? Yes No If yes: Cooler ID: Multiple Coolers? Yes No If yes: Cooler Ustody Seals Present? Yes No If yes: Cooler custody seals intact? Yes No Sample Custody Seals Present? Yes No If yes: Sample custody seals intact? Yes No If yes: Sample custody seals intact? Yes No If yes: Which VOA samples are in cooler? Yes No If yes: Which VOA samples are in cooler? Yes Temperature Record Coolant: Wet ice Blue ice Dry ice Other. Yes Yes Temperature Above criteria, proceed to Sample Container Temperature Uncorrected Temp (°C): Corrected Temp (°C): Corrected Temp (°C): Container Temperature Container Tem
Condition of Cooler/Containers Sample(s) received in Cooler?
Sample(s) received in Cooler?
Multiple Coolers?
Cooler Custody Seals Present? Yes No If yes: Cooler custody seals intact? Yes No No No No No No No N
No Sample Custody Seals Present?
Sample Custody Seals Present? Yes No If yes: Sample custody seals intact? Yes No
Trip Blank Present?
Temperature Record Coolant:
Coolant:
Coolant:
Coolant:
Thermometer ID: Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature Uncorrected Temp (°C): Sample Container Temperature Container(s) used: Uncorrected Temp (°C): Container(s) used: Uncorrected Temp (°C): Exceptions Noted Correction Factor (°C): Correction Factor (°C): Correction Factor (°C): Corrected Temp (°C): Corrected Temp (°C): Exceptions Noted
Temp Blank Temperature — If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature Uncorrected Temp (°C): Sample Container Temperature Container(s) used:
Uncorrected Temp (°C): Sample Container Temperature Container(s) used: Uncorrected Temp (°C): Corrected Temp (°C): Exceptions Noted Corrected Temp (°C). Corrected Temp (°C): Exceptions Noted
• Sample Container Temperature Container(s) used: Uneorrected Temp (°C): Corrected Temp (°C): Exceptions Noted
Container(s) used: Uncorrected Temp (°C): Corrected Temp (°C): Exceptions Noted
Uncorrected Temp (°C): Corrected Temp (°C): Exceptions Noted
(°C): Corrected Temp (°C): Exceptions Noted
Corrected Temp (°C): Exceptions Noted
No.
1) It temperature expected without a value of received carrier and or remaining.
a) If yes: Is there evidence that the chilling process began?
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised?
(e.g , bulging septa, broken/cracked bottles, frozen solid?)
NOTE If yes, contact PM before proceeding. If no, proceed with login
Additional Comments

Document CED-P-SAM-FRM45521 Revision. 26 Date 27 Jan 2022

		Chair	ain of Custody Record	stody R	ecord	7						💸 eurofins		,
Cedar Falls IA 50513 Phone (319) 277-2401 Phone (319) 277-2425														Environment lesting
Client Information	Sampler			Lab F Calh	Lab PM: Calhoun Conner M	ier M			Carrier Tr	Carrier Tracking No(s)		COC No: 310-82053-22890	22890 1	
Client Contact Christina Konicek	Phone: 319-242-6964	72		E-Mail:	E-Mail: Conner Calhoun@et.eurofinsus com	ın@et.eu	ırofinsus	com	State of Origin.	rigin.		Page: Page 1 of 1		
Company John Deere			PWSID:				Ana	Analysis Re	Requested			Job #.		
Address: 2000 Westfield Ave	Due Date Requested.	uested.										Preservation Codes.	Codes.	Hexane
City Waterloo	TAT Requested (days)	d (days):										B NaOH C Zn Acetate	P-Na P-Na	n - none O AsnaO2 P - Na2O4S
State Zp: IA, 50704	Compliance Project:	roject: A Yes	es ∆ No									E - NaHSO4	Q & .	12SO3 12S2O3
Phone:	PO#: 4514173494				(0							G - Amchlor H - Ascorbic A	S-HZ Coid T-TS	SO4 P Dodecahydrate etone
Emai: KonicekChrstina@JohnDeere.com	,#OM				Occupant Name of Street, Stree								> > Y	AA 14-5
Project Name: Oily Sand SWA	Project #:				Section of the second							MISSESSEE AND ADDRESS OF THE PERSON OF THE P	Y - Tri	zma ier (specify)
Site: Foundry	SSOW#:				DOM: NO CONTROL OF							oo Jo J		
o o o o o o o o o o o o o o o o o o o	Sample Date	Sample	Sample Type IC=comp,	Watrix (Wewater S=solid, O=wastefoli,	Field Filtered MSM mrofreq MSM 8 4ADR	Hq	Flashpoint Flash Metals					edmuN latoT Spec	Special Instructions/Note.	ions/Note.
Sample identification		<i>\</i>	1	m	X									
Oily Sand	6/11/25	12.30 PM	PM G	S/O	Ê	×	×							
Annual Control of the									22					
												111111111111111111111111111111111111111		and the second s
The state of the s														
Possible Hazard Identification	Poisdn B	Lynon	Radiological	a/	Samp	le Dispo Return 1	sal (A fe o Client	e may be	assesse Disposal	d it samp By Lab	es are re	Sample Disposal (A fee may be assessed if samples are retained longer than 1 montul) Captum To Client Absposal By Lab Mont	nan 1 mon	onur) Months
ested I II IV Other (specify)					Speci	al Instruc	tions/QC	Requiren	Special Instructions/QC Requirements					
Empty Kit Relinquished by:		Date.			Time.				Me	Method of Shipment	nent	/ /		
Custody Seals Intact: A Yes A No	Date/Time:			Company	æ `	Received by	1/				Date/Time:	1/1/2	Company	any
Relinquished by Christina Konicek	400	9	R - 11-9		8	Referred by-	`			Dat	Date/Time:	`	Company	any
Relinquished by	Date/Time:			Company	ă.	Received by:				Dat	Date/Time:		Company	any
Custody Seals Intact: Custody Seal No					ŏ	ooler Temp	erature(s) °	Cooler Temperature(s) °C and Other Remarks:	Remarks:					
and the state of t							1	1	1				Ver	Ver 01/16/2019

Login Sample Receipt Checklist

Client: John Deere & Co Job Number: 310-308504-1

Login Number: 308504 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hirsch, Preston

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

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