05-025

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT: Standard Laboratories, Inc.
WorkOrder: 05090871
Lab ID: 05090871-001
Report Date: 06-Oct-05

Client Project: Cargill Salt St. Clair MI
Client Sample ID 2005 01809-001
Collection Date: 9/22/2005
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.0250	0.5	< 0.0250	mg/L	1	10/5/2005 3:08:58 PM	SAM
Barium	NELAP	0.0050	7.6	0.491	mg/L	1	10/5/2005 3:08:58 PM	SAM
Cadmium	NELAP	0.0020	J 0.050	< 0.0020	mg/L	1	10/5/2005 3:08:58 PM	SAM
Chromium	NELAP	0.0100	0.37	< 0.0100	mg/L	1	10/5/2005 3:08:58 PM	SAM
Lead	NELAP	0.0400	0.15	0.0430	mg/L	1	10/5/2005 3:08:58 PM	SAM
Selenium	NELAP	0.0500	0.14	< 0.0500	mg/L	1	10/5/2005 3:08:58 PM	SAM
Silver	NELAP	0.0100	0.06	< 0.0100	mg/L	1	10/5/2005 3:08:58 PM	SAM
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/5/2005	JMW

Sample Narrative

Fly ash sample for yearly TCLP 2005

RECEIVED
OCT 11 2005

CS-049

APPROVAL NO. 004038
004040

SPECIAL WASTE CHARACTERIZATION FORM

Please Type or Print in Ink

A. Generator/Transporter Information

Generator Name: Cargill Salt
Address: 916 S. Riverside
St. Clair, MI 48079
Generator Contact: Dan Taylor
Telephone: 810-326-2763

Transporter Name: Raymond Excavating
Address:
Transporter Contact: Jim Patterson
Telephone: 810-304-6861

B. Waste Stream Information

General Material Description: Dried sludge consisting of $CaSO_4$ (gypsum) and other naturally occuring salt impurities
Process Generating Waste: Cleaning of sedimentation pond collecting solids from salt brine treatment
Location of Waste Generation: Cargill Salt - St. Clair
Frequency of Receipt: ____once ____/day ____/week ____/month ____/year ____other:
Estimated Quantity Per Shipment: 22 ☒ tons ☐ yards ☐ other: _____ Total Quantity: 1,200 yds

C. Physical Properties

Physical State at 70°F: X Solid ____ Semisolid ____ Liquid Liquid Content: ____% by Weight
pH: ____ Color: grey Texture: clay like Density: 2,222 lb/CY Flash Point: ____°F
Odor: X None Mild Strong Describe:

D. Chemical Properties

Is the Waste: Ignitable? ____ Yes X No
Corrosive? ____ Yes X No
Acid Reactive? ____ Yes X No
Alkaline Reactive? Yes X No

Does the Waste Contain: PCBs? ____ Yes X No
Asbestos? ____ Yes X No
Infectious Waste? ____ Yes X No

Other (list): See attached test results for TCLP metals
Other Information: Material Safety Data Sheet Provided: ____ Yes X No
Where in the waste generating process was the sample collected? composite sample from storage pile

E. Non-Hazardous Certification

The generator of the waste described on this profile sheet, by signature below of a duly authorized representative, hereby certifies that all information provided is complete and accurate, that all known or suspected hazards have been disclosed, that the analytical data attached hereto is derived from the testing of a representative sample in accordance with 40 CFR 261.20 (c), the waste is not subject to treatment standards under 40 CFR 268.40 or 40 CFR 268.48, and that this material is considered non-hazardous according to US EPA and Michigan DEQ Rules and Regulations.

Signature: Daniel [illegible]
Name: Dan Taylor
Title: Environmental Manager Date: 9-29-04
Company: Cargill

F. Office Use Only

Special Waste Review Completed by _____ Acceptance Decision: ☐ Accept ☐ Reject
Recertification Frequency: ☐ Bi Annual ☐ Annual ☐ Semi Annual ☐ Other:
Conditions of Acceptance:
Special Handling Procedures:
County Officer: _____ Date:
Facility Officer: _____ Date:

TestAmerica
ANALYTICAL TESTING CORPORATION
330 W. Walton Blvd. • Pontiac, MI 48340 • Phone 248-332-1940 • Fax 248-332-5460

ANALYTICAL REPORT

05/23/2004

Dan Taylor
CARGILL
916 South Riverside Avenue
St Clair, MI 48079

Job Number: 04.19481

Sludge Pile Cleanup

Enclosed is the Analytical Report for the following samples submitted to the Pontiac Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
964660	PP1	05/06/2004	05/10/2004

TestAmerica Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed. Reproduction of this analytical report is permitted only in its entirety. All samples will be discarded after thirty days unless otherwise notified.

Susan K. Schafer
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
339 W. Walton Blvd. • Pontiac, MI 48340 • Phone 248-332-1940 • Fax 248-332-5450

ANALYTICAL REPORT

09/23/2004

Dan Taylor
CARGILL

Job Number: 04.19481 Page: 2 of 2
Sample Number: 964660 Sample Description: PP1

Parameter	Result	Unit	Regulatory Criteria	Date Prepared	Date Analyzed	Lab Tech.	Methodology	Note
TCLP - Arsenic, ICP	<1.0	mg/L	5.0	09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Barium, ICP	0.48	mg/L	100	09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Cadmium, ICP	<0.30	mg/L	1.0	09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Chromium, ICP	<0.40	mg/L	5.0	09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Copper, ICP	<0.20	mg/L		09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Lead, ICP	<0.80	mg/L	5.0	09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Mercury	<0.0010	mg/L	0.2	09/20/2004	09/23/2004	mch	SW 7470A	
TCLP - Selenium, ICP	<1.0	mg/L	1.0	09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Silver, ICP	<0.40	mg/L	5.0	09/20/2004	09/21/2004	emd	SW 6010B	
TCLP - Zinc, ICP	<0.50	mg/L		09/20/2004	09/21/2004	emd	SW 6010B	

TestAmerica INCORPORATED

Pontiac Division
339 W. Walton Blvd.
Pontiac, MI 48340
Phone: 248-332-1940
Fax: 248-332-5450

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring landfill disposal

Client Name: Cargill Salt
Client #:
Address: 916 S. Riverside
City/State/Zip Code: St. Clair MI 48079
Project Manager: Don Taylor
Telephone Number: 810-326-2763 Fax: 810-329-6560
Sampler Name: (Print Name) Daniel Taylor
Sampler Signature: Daniel Taylor

Project Name: Sludge Pile cleanup
Project #:
Site/Location ID: State:
Report To: Don Taylor
Invoice To:
Quote #: PO#:

TAT: ✓ Standard
___ Rush (surcharges may apply)
Date Needed:
Fax Results: (Y) N

QC Deliverables: ___ None ___ Level 2 (Batch QC) ___ Level 3 ___ Level 4 Other:

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, WW - Wastewater, S - Soil/Solid, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: TCLP Metals										REMARKS
PP1	9-8-04	3PM	C	N	SL								X										

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Daniel Taylor	9-9-04		John Cerrach	9/10/04	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Rec Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

Cargill Salt

Fax

To: Terry Zick
Fax number: 248-486-5050
Date: 9/24/2004

From: Dan Taylor
Environmental Manager
916 South Riverside Avenue
St. Clair, Michigan 48079
Telephone: 810-326-2763
Fax: 810-329-3328
Dan Taylor@cargill.com

Subject: Special Waste Characterization Form and analytical report for calcium sulfate sludge.

No. of pages including this one: 5

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CLEVELAND OFFICE

25089 CENTER RIDGE ROAD
WESTLAKE, OHIO 44145

USEPA - FACSIMILE PHONE NUMBER: 440-250-1750
USEPA - GENERAL TELEPHONE NUMBER: 440-250-1700

FACSIMILE COVER SHEET

TO: DUNCAN CAMPBELL

FACSIMILE NO.: 312 353-4342

FROM: JOHN GIERCZAK

TELEPHONE NO.: 440 250-1713

NO. OF PAGES INCLUDING COVER SHEET: 7

MESSAGE:

TCLP DATA DOCUMENT NOS. CS 025 & CS-049 CARGILL SALT MMI