

General Inspection Report

Permit Number	PAD004835146	EPA ID Number	PAD004835146
Facility Name	MAX ENVIRONMENTAL TECHNOLOGIES INC YUKON FAC	Operator Name	MAX ENV TECH INC
Address	233 MAX LN	Address	5700 CORPORATE DR STE 425
City/State/Zip	YUKON PA 15698	City/State/Zip	PITTSBURGH PA 15237-5861
Municipality	South Huntingdon Township	County	Westmoreland
Responsible Official	Carl Spadaro	Title	EGM
Person Interviewed	Carl Spadaro	Title	EGM
		Telephone #	(412) 445-9789
Lead Inspector	PAMELA E MCQUISTIAN	Title	SLD WSTE SPCST
Site ID	245145	Client ID	121054
PF ID	250189	SF ID	226967
Inspection Start Date	03/07/2024 09:00 AM	Inspection End Date	03/07/2024 12:00 PM
Inspection Type	CEI - Compliance Evaluation	Inspection Result	Outstanding Violations - No Viols Req'd
Permit Expiration Date	----	Days/Week Operated	5
		Max. Daily Volume	----

Comments

This report is an addendum to the Department's inspection report for the March 7, 2024 HW TSDF follow-up inspection at MAX Environmental Technologies, Inc's Yukon Facility in South Huntingdon Township, Westmoreland County.

Sampling was conducted by the Department on March 7, 2024 at MAX Environmental Technologies, Inc's Yukon Facility (CAP Building, Storage Areas 3 & 4, and Landfill 6); MAX staff split samples with the Department.

During the DEP inspection of March 7, 2024, Rob Conklin stated that the waste in Bay 4 of the CAP building was pending analysis; however, Jason O'Black indicated to the DEP sampling team that the waste in Bay 4 was ready for disposal. To clarify this conflicting information, Carl Spadaro was contacted.

Carl Spadaro, EGM, provided the following information via email on April 25, 2024: "Batch #030407, which was treated Befesa leach and final residue, had been cleared for disposal at the time of DEP sampling on March 7. To ensure that a representative sample waste obtained by DEP and MAX on March 7, this waste was remixed in the Bay 4 of the containment building. MAX's analysis of the sample taken on March 7 was analyzed on March 12 and the waste was disposed of in LF6 by March 15."

DEP laboratory test results indicate that the sample from Batch 030407 (confirmed by C. Spadaro as having been disposed of in LF6), DEP Sample ID No. 2626 018 /Lab Sample ID No. I2024003923, had a lead level of 14.2 mg/L which exceeds the Universal Treatment Standards (UTS) and hazardous waste limit for Lead.

MAX had questioned, in correspondence dated Feb. 9, 2024, the DEP laboratory's procedures when using EPA SW-846 test method 1311 and requested an explanation of why the DEP laboratory used Toxicity Characteristic Leaching Procedure (TCLP) extraction fluid No.1 when analyzing the MAX samples. DEP's laboratory has provided the following explanation: Per section 7.1.4 of EPA 1311 TCLP extraction method, fluid determination is performed on each sample. One must consider all of the fluid determination sections (especially 7.1.4.3 and 7.1.4.4). The laboratory logbook entries for the MAX samples indicate that the samples had a high initial pH upon arrival at the laboratory (this is the TCLP Initial pH value given in the reports). However, all of the samples had a pH <5 after the addition of the HCl and heating as prescribed in sections 7.1.4.3 and 7.1.4.4. This is why extraction fluid #1 was determined and confirmed as the appropriate fluid to use in extracting the samples.

Included with this report are the following:

- A sampling data review by Lauren Stubbert (Department Environmental Chemist)
- A sampling summary table by Lauren Fike (Department Environmental Protection Compliance Specialist)
- Analytical reports

The violation listed as PENDING in the Department's March 7, 2024 HW TSDF follow-up inspection report has been determined to be an OUTSTANDING VIOLATION.

OUTSTANDING HW VIOLATION(S):

40 CFR § 268.48(a) - Table UTS identifies the hazardous constituents, along with the nonwastewater and wastewater treatment standard levels, that are used to regulate most prohibited hazardous wastes with numerical limits. For determining compliance with treatment standards for underlying hazardous constituents as defined in § 268.2(i), these treatment standards may not be exceeded. Compliance with these treatment standards is measured by an analysis of grab samples, unless otherwise noted in the Table UTS.

Inspection Report Signature Page

This inspection report is notice of the findings of an inspection conducted by a representative of the Department. This report is formal notification of any violations observed during the inspection. Additional notification of violations may be issued concerning either Violations noted herein, or other violations identified as a result of review of laboratory analyses. This report does not constitute an order or other appealable action of the Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein. Signature by the persons interviewed does not necessarily imply concurrence with the findings of this report, but does acknowledge that the person was shown the report or that a copy was left with the person.

Signatures

Person Interviewed	Unable To Obtain Reason: Addendum emailed to facility.	Date	--/------
Inspector		Date	05/02/2024

TO: Pam McQuistian
Solid Waste Specialist

FROM: Lauren Stubbart
Environmental Chemist

DATE: April 26, 2024

RE: MAX Environmental Sampling March 2024
Sampling Data Review

MESSAGE:

I have reviewed the DEP Bureau of Laboratories analyses conducted on samples taken by the Department on March 7, 2024.

The sampling description, a summary table, and the analytical reports are attached to this memorandum.

Observations:

1. One sample [I2024003929] exceeded Universal Treatment Standards (UTS) for Lead
2. All other samples meet the UTS

Sampling confirms that only one sample exceeded UTS disposal standards for Lead. The rest of the samples met the standards.

Review of this data indicates that the sample I2024003929 was incompletely treated for disposal into a PA Municipal/Residual Waste Landfill based on chemical analysis.

Attachments

Sample #	Batch #	Legal Seal	Time	Composition	Notes	Photos
0122626	WORKING FACE	I142207	11:08	Dark brown area within working face	Working face- mid ramp	IMG_1097
0132626	030103	I142204	10:20	Gray dust/fine powder (mixed with wood and plastic sheeting)	Befesa Cement Waste	IMG_1089 IMG_1090
0142626	030405	I142205	10:37	dark gray hard, slag material	Ecobat Slag	IMG_1091 IMG_1092
0152626	030403	I142206	10:40	Dark gray/black shredded material	Tulip	IMG_1093 IMG_1094
0162626	WORKING FACE	I142209	11:09	Gray area within working face	Working face- low ramp	IMG_1098
0172626	WORKING FACE	I142208	11:07	Dark brown area within working face	Working face- upper ramp	IMG_1096
0182626	030407	I142210	11:38	gray dust/fine powder waste. Waste originally was observed with some striation but facility mixed the waste with an excavator prior to sampling. No striations observed in the mixed waste	Waste stored in Bay 4 of the CAP Building, Befesa Cement Waste	IMG_1095
0212626	022614 & 022710	I142203	9:57	Waste was composed of bricks in a sandy soil with plastic tarping mixed in ; sample was of the "sandy soil" component	Lead-bearing waste being stored in the CAP Building, waiting disposal at Kelly Run Landfill	IMG_1088

Samples 012, 016, and 017

Taken from the working face- 3 small pits were dug within a 3 foot radius of one another. Each sample was comprised of roughly equal material from each pit, which was mixed together in the sample container.

Samples 013, 014, 015

These samples were taken from 3 different areas along the side/end of the roll-off box. Each sample was comprised of roughly equal material from each location, which was mixed together in the sample container.

Samples 021, 018

These samples were taken from the bays in the CAP Building



Date of Issue: 04/20/2024 04:01:49

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 012

Date Collected: 03/07/2024 11:08:00 AM

Lab Sample ID: I2024003923

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142207 Intact: Yes

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	0.365 mg/L	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	.114 mg/L	03/26/2024 02:06 PM	SCHOY	EPA 6020B

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 012

Date Collected: 03/07/2024 11:08:00 AM

Lab Sample ID: I2024003923

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Laboratory Blank out of Acceptance Range - Biased High				
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	03/21/2024 02:22 PM	FHUNZIKER	EPA 7470 A
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	.111 mg/L	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	1	03/20/2024 02:04 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	9.890 pH units	03/20/2024 02:04 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.530 pH units	03/20/2024 02:04 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:04 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	<0.050 mg/L (U)	03/26/2024 02:06 PM	SCHOY	EPA 6020B
<p>The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.</p> <p>* denotes tests that the laboratory is not accredited for</p> <p>U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.</p> <p>J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).</p> <p>Jennifer Fesler, Technical Director, Bureau of Laboratories</p>				



Date of Issue: 04/20/2024 04:03:33

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 013

Date Collected: 03/07/2024 10:20:00 AM

Lab Sample ID: I2024003924

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142204 Intact: Yes

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	.110 mg/L	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L	03/21/2024 02:59 PM	FHUNZIKER	EPA 7470 A

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 013

Date Collected: 03/07/2024 10:20:00 AM

Lab Sample ID: I2024003924

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	.077 mg/L	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	2	03/20/2024 02:04 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	9.710 pH units	03/20/2024 02:04 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	12.400 pH units	03/20/2024 02:04 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:04 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	0.071 mg/L	03/26/2024 02:26 PM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	<0.050 mg/L (U)	03/26/2024 02:26 PM	SCHOY	EPA 6020B

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J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

Jennifer Fesler, Technical Director, Bureau of Laboratories



Date of Issue: 04/20/2024 04:03:37

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 014

Date Collected: 03/07/2024 10:37:00 AM

Lab Sample ID: I2024003926

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142205	Intact: Yes
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Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	0.079 mg/L	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	.322 mg/L	03/26/2024 02:13 PM	SCHOY	EPA 6020B

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 014

Date Collected: 03/07/2024 10:37:00 AM

Lab Sample ID: I2024003926

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Laboratory Blank out of Acceptance Range - Biased High				
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	03/21/2024 02:27 PM	FHUNZIKER	EPA 7470 A
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	1	03/20/2024 02:05 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	10.870 pH units	03/20/2024 02:05 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.810 pH units	03/20/2024 02:05 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:05 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	<0.050 mg/L (U)	03/26/2024 02:13 PM	SCHOY	EPA 6020B
<p>The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.</p> <p>* denotes tests that the laboratory is not accredited for</p> <p>U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.</p> <p>J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).</p> <p>Jennifer Fesler, Technical Director, Bureau of Laboratories</p>				



Date of Issue: 04/20/2024 04:01:47

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 015

Date Collected: 03/07/2024 10:40:00 AM

Lab Sample ID: I2024003927

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142206	Intact: Yes
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Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	0.058 mg/L	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	.012 mg/L	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	.211 mg/L	03/26/2024 02:19 PM	SCHOY	EPA 6020B

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 015

Date Collected: 03/07/2024 10:40:00 AM

Lab Sample ID: I2024003927

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Laboratory Blank out of Acceptance Range - Biased High				
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	03/21/2024 02:29 PM	FHUNZIKER	EPA 7470 A
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	1	03/20/2024 02:11 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	10.890 pH units	03/20/2024 02:11 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.860 pH units	03/20/2024 02:11 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:11 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:19 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	0.053 mg/L	03/26/2024 02:19 PM	SCHOY	EPA 6020B
<p>The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.</p> <p>* denotes tests that the laboratory is not accredited for</p> <p>U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.</p> <p>J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).</p> <p>Jennifer Fesler, Technical Director, Bureau of Laboratories</p>				



Date of Issue: 04/20/2024 04:09:20

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 016

Date Collected: 03/07/2024 11:34:00 AM

Lab Sample ID: I2024003925

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142209

Intact: Yes

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	.013 mg/L	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	.093 mg/L	03/26/2024 02:11 PM	SCHOY	EPA 6020B

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 016

Date Collected: 03/07/2024 11:34:00 AM

Lab Sample ID: I2024003925

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Laboratory Blank out of Acceptance Range - Biased High				
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	03/21/2024 02:24 PM	FHUNZIKER	EPA 7470 A
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	1	03/20/2024 02:05 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	10.780 pH units	03/20/2024 02:05 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.870 pH units	03/20/2024 02:05 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:05 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	0.031 mg/L	03/26/2024 02:11 PM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:11 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	0.067 mg/L	03/26/2024 02:11 PM	SCHOY	EPA 6020B
<p>The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.</p> <p>* denotes tests that the laboratory is not accredited for</p> <p>U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.</p> <p>J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).</p> <p>Jennifer Fesler, Technical Director, Bureau of Laboratories</p>				



Date of Issue: 04/20/2024 04:09:14

DEP Bureau of Laboratories - Harrisburg
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Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 017

Date Collected: 03/07/2024 11:07:00 AM

Lab Sample ID: I2024003928

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142208	Intact: Yes
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Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	0.415 mg/L	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	.043 mg/L	03/26/2024 02:23 PM	SCHOY	EPA 6020B

**Analytical Report For
Land Recycling & Waste Management**

Sample ID: 2626 017

Date Collected: 03/07/2024 11:07:00 AM

Lab Sample ID: I2024003928

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Laboratory Blank out of Acceptance Range - Biased High				
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	03/21/2024 02:32 PM	FHUNZIKER	EPA 7470 A
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	1	03/20/2024 02:12 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	6.770 pH units	03/20/2024 02:12 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.200 pH units	03/20/2024 02:12 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:12 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	<0.050 mg/L (U)	03/26/2024 02:23 PM	SCHOY	EPA 6020B
<p>The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.</p> <p>* denotes tests that the laboratory is not accredited for</p> <p>U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.</p> <p>J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).</p> <p>Jennifer Fesler, Technical Director, Bureau of Laboratories</p>				



Date of Issue: 04/20/2024 04:05:52

DEP Bureau of Laboratories - Harrisburg
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Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 018

Date Collected: 03/07/2024 11:38:00 AM

Lab Sample ID: I2024003929

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142210 Intact: Yes

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	<0.020 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	14.2 mg/L	04/19/2024 10:31 AM	SCHOY	EPA 6020B

**Analytical Report For
Land Recycling & Waste Management**

Sample ID: 2626 018

Date Collected: 03/07/2024 11:38:00 AM

Lab Sample ID: I2024003929

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** See Qualitative Report - Comments				
Re-extraction and analysis performed. Ambient temperature of extraction room was 20 degrees C. Method states room temperature should be maintained at 23 +/- 2 degrees C.				
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	03/21/2024 02:34 PM	FHUNZIKER	EPA 7470 A
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	.322 mg/L	03/26/2024 02:16 PM	SCHOY	EPA 6020B
** Comment ** Matrix spike recoveries low. Results and/or reporting limits				
Re-extraction and analysis performed with a post digestion spike. The sample result was .291 mg/L with a spike recovery of 98%/				
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	1	03/20/2024 02:12 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	11.880 pH units	03/20/2024 02:12 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.990 pH units	03/20/2024 02:12 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:12 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	0.104 mg/L	03/26/2024 02:16 PM	SCHOY	EPA 6020B
** Comment ** Duplicate values are not within acceptable range				
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:16 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	1.350 mg/L	03/26/2024 02:16 PM	SCHOY	EPA 6020B
<p>The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.</p> <p>* denotes tests that the laboratory is not accredited for</p> <p>U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.</p> <p>J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).</p> <p>Jennifer Fesler, Technical Director, Bureau of Laboratories</p>				



Date of Issue: 04/20/2024 04:03:37

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P.O. Box 1467
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Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 021

Date Collected: 03/07/2024 09:57:00 AM

Lab Sample ID: I2024003930

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 03/14/2024

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 200

Matrix: Sludge

Legal Seal: I142203	Intact: Yes
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Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
49037 BERYLLIUM, TOTAL (TCLP EXTRACT)	<0.010 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79735E CHROMIUM AS CR MG/L TCLP	.059 mg/L	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79736E LEAD AS PB MG/L TCLP	.210 mg/L	03/26/2024 02:24 PM	SCHOY	EPA 6020B

Analytical Report For
Land Recycling & Waste Management

Sample ID: 2626 021

Date Collected: 03/07/2024 09:57:00 AM

Lab Sample ID: I2024003930

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Laboratory Blank out of Acceptance Range - Biased High				
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	03/21/2024 02:49 PM	FHUNZIKER	EPA 7470 A
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
90008X TCLP Extraction Fluid	1	03/20/2024 02:13 PM	JOWERNER	EPA 1311
90008F TCLP Metal Extraction Final ph	10.680 pH units	03/20/2024 02:13 PM	JOWERNER	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.850 pH units	03/20/2024 02:13 PM	JOWERNER	EPA 1311
90003 TCLP SW846 METHOD 1311	0	03/20/2024 02:13 PM	JOWERNER	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.100 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	<0.050 mg/L (U)	03/26/2024 02:24 PM	SCHOY	EPA 6020B
<p>The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.</p> <p>* denotes tests that the laboratory is not accredited for</p> <p>U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.</p> <p>J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).</p> <p>Jennifer Fesler, Technical Director, Bureau of Laboratories</p>				

Analyte (mg/L):	Sample ID:	2626 012	2626 013	2626 014	2626 015	2626 016	2626 017	2626 018	2626 021
ANTIMONY		0.365	<.020	0.079	0.058	<.020	0.415	<.020	<.020
ARSENIC		<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
BARIUM		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
BERYLLIUM		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
CADMIUM		<0.010	0.11	<0.010	0.012	0.013	<0.010	<0.010	<0.010
CHROMIUM		<0.040	<0.040	<0.040	<0.040	<0.04	<0.040	<0.040	0.059
LEAD		0.114	<0.040	0.322	0.211	0.093	0.043	14.2	0.21
MERCURY		<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
NICKEL		<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
SELENIUM		0.111	0.077	<0.070	<0.070	<0.070	<0.070	0.322	<0.070
SILVER		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
TCLP Metal Extraction Final ph		9.89	9.71	10.87	10.89	10.78	6.77	11.88	10.68
TCLP Metal Extraction Initial ph		11.53	12.4	11.81	11.86	11.87	11.2	11.99	11.85
THALLIUM		<.020	0.071	<.020	<.020	0.031	<.020	0.104	<.020
VANADIUM		<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
ZINC		<0.050	<0.050	<0.050	0.053	0.067	<0.050	1.35	<0.050

IMG_1097



IMG_1089



A photograph of a green metal container, likely a waste bin or dumpster, with the number '512035' printed in large white digits on its side. The container shows signs of wear and rust. A black tarp is draped over the top edge. A yellow excavator arm is visible in the background. A 'WARNING' label is on the left side, and a 'GALFAB' logo is also visible. A small white tag with handwritten text is attached to the bottom left corner. The image is labeled 'IMG_1090' in the top left corner.

A photograph of a green metal container, likely a storage bin or dumpster, with the number "512035" painted in large white digits on its side. The container shows signs of wear and rust, particularly along the top edge and corners. A black tarp is draped over the top left corner. A yellow "WARNING" label is visible on the left side, and a "GALFAB" logo is also present. A small white tag with the text "Boxed Cord" and "512035" is attached to the bottom left corner. The background shows a construction site with an excavator and a cloudy sky. The image is labeled "IMG_1090" in the top left corner.

A photograph of a green metal container, likely a storage bin or dumpster, with the number "512035" painted in large white digits on its side. The container shows signs of wear and rust, particularly along the top edge and corners. A black tarp is draped over the top left corner. A yellow "WARNING" label is visible on the left side, and a "GALFAB" logo is also present. A small white tag with the text "Boxed Cord" and "512035" is attached to the bottom left corner. The background shows a construction site with an excavator and a cloudy sky. The image is labeled "IMG_1090" in the top left corner.

A photograph of a green metal container, likely a waste bin or dumpster, with the number '512035' printed in large white digits on its side. The container shows signs of wear and rust. A black tarp is draped over the top edge. A yellow excavator arm is visible in the background. A 'WARNING' label is on the left side, and a 'GALFAB' logo is also visible. A small white tag with handwritten text is attached to the bottom left corner. The image is labeled 'IMG_1090' in the top left corner.

IMG_1091

RT5024 RT5024



IMG_1092



IMG_1093



IMG_1094



IMG_1098



IMG_1096



IMG_1095



IMG_1088

