



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WASTE MANAGEMENT – SOUTHWEST REGION

Insp ID: 3701343

Client ID: 121054

Enf ID: 424954

## NOTICE OF VIOLATION

Date of Inspection: October 24, 2023

Municipality: S Huntingdon Township

Inspector: Pam McQuistian

County: Westmoreland

Company Name: MAX Environmental Technologies

ID No: PAD004835146

Address: 233 Max Lane

Phone: 724-722-3500

City, State, Zip: Yukon, PA 15698

Responsible Official: Carl Spadaro

Title: Env General Manager

Person Interviewed: Rob Conklin, Jason OBlack, Carl Spadaro

Title: Compl & Safety Tech, Dir of Ops, EGM

### Notice to facility operator:

Attached to this Notice of Violation is a report of an inspection of your facility. It is important that you carefully read the report and respond as requested. The report notes conditions that are violations of the Department's rules and regulations and the Solid Waste Management Act, the Act of July 7, 1980, P.L. 380, *as amended*, 35 P.S. §§ 6018.101—6018.1003 ("SWMA"). The report may also note conditions that may contribute to or develop into violations of the regulations and/or the SWMA and therefore should be addressed.

This Notice of Violation is neither an order nor any other final action of the Department. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

Signature by the person interviewed does not necessarily imply concurrence with this Notice of Violation or the attached inspection report, but does acknowledge that the person was shown the report or that a copy was left with that person.

Person Interviewed (signature): Report/NOV emailed to facility

Date: 01/26/2024

Inspector (signature): Pam McQuistian

Date: 01/26/2024

ATTACHMENT: Inspection Report

## TSD Facilities Inspection Report

<b>Permit Number</b>	PAD004835146	<b>EPA ID Number</b>	PAD004835146
<b>Facility Name</b>	MAX ENVIRONMENTAL TECHNOLOGIES INC YUKON FAC	<b>Operator Name</b>	MAX ENV TECH INC
<b>Address</b>	233 MAX LN	<b>Address</b>	5700 CORPORATE DR STE 425
<b>City/State/Zip</b>	YUKON PA 15698	<b>City/State/Zip</b>	PITTSBURGH PA 15237-5861
<b>Municipality</b>	South Huntingdon Township	<b>County</b>	Westmoreland
<b>Responsible Official</b>	Carl Spadaro	<b>Title</b>	EGM
<b>Person Interviewed</b>	Rob Conklin, Jason OBlack	<b>Title</b>	Compliance & Safety Technician, Director of Operations
<b>Lead Inspector</b>	PAMELA E MCQUISTIAN	<b>Telephone #</b>	(724) 205-9286
<b>Additional Personnel</b>	BENJAMIN L WILLIAMS	<b>Title</b>	SLD WSTE SPCST
	CALEB ANDREW BYRON	<b>Title</b>	----
	DYLAN DAVIS	<b>Title</b>	----
	KENNETH K LEE	<b>Title</b>	----
	LAUREN FIKE	<b>Title</b>	----
	REGINA PATRICK	<b>Title</b>	----
<b>Site ID</b>	245145	<b>Client ID</b>	121054
<b>PF ID</b>	250189	<b>SF ID</b>	226967
<b>Inspection Start Date</b>	10/24/2023 09:19 AM	<b>Inspection End Date</b>	10/24/2023 12:10 PM
<b>Inspection Type</b>	CEI - Compliance Evaluation	<b>Inspection Result</b>	Violation(s) Noted
<b>Permit Expiration Date</b>	----	<b>Days/Week Operated</b>	5
		<b>Max. Daily Volume</b>	----

## Check Lists

TSD Facilities (0302)			
Status	Requirement	Chapter Citation	Line Item
TSD FACILITIES - PART A			
	Site Characterization Treatment, Storage		

	Check all that apply Containment Bldg., Chemical Treatment, Physical Treatment, Containers, Tanks
Yes	Does the facility generate hazardous waste?
	Types of hazardous waste produced by Hazardous Waste Number F039
No	Are hazardous wastes transported off-site by the facility?
No	Does the facility operate any of the following types of processes (Subpart AA)?
Yes	Has proof of the facility's compliance with the standard been provided?
	Check all that apply
	If any boxes are checked, list each associated process vent
No	Does the facility have any valves, flanges, pumps, compressors, pressure relief devices, sampling connection systems, flanged pipe, open-ended valve or line that contain or contact wastes greater than 10% organics for 300 hours per year or more? (Subpart BB)
	If yes, has the facility instituted an LDAR (Leak Detection and Repair Program)?
Yes	Has proof of the facility's compliance with the standard been provided?
Not Determined	Is the facility complying with any Clean Air Act emissions programs such as New Source, NESHAP, or NESHAP Source Categories? (Subpart BB)
Not Determined	Has proof of the facility's compliance with the standard been provided?
Yes	Are there units at the facility subject to Subpart CC of Part 264/265 of 40 CFR?
Yes	Has proof of the facility's compliance with the standard been provided?
<b>TSD FACILITIES - PART B</b>	
No Violation	Part A permit application submitted 25 PA CODE 265a.1, 40 CFR H200 265.1(b)

No Violation	Identification Number	25 PA CODE 265a.11, 40 H201 CFR 264.11
No Violation	Wastes accepted at facility transported by haulers licensed by DEP to transport hazardous waste	25 PA CODE 264a.11, 25 PA H202 CODE 265a.11
No Violation	Waste streams not covered by permit approved by DEP before acceptance	25 PA CODE 264a.13, 25 PA H203 CODE 265a.13
No Violation	Chemical and physical analysis repeated as required	25 PA CODE 264a.13, 25 PA H204 CODE 265a.13, 40 CFR 264.13, 40 CFR 265.13
No Violation	All waste shipments inspected and analyzed when necessary	25 PA CODE 264a.13, 25 PA H205 CODE 265a.13, 40 CFR 264.13, 40 CFR 265.13
No Violation	Waste analysis plan on-site	25 PA CODE 264a.1, 25 PA H206 CODE 265a.13, 40 CFR 264.13(b), 40 CFR 265.13(b)
No Violation	24 hr. surveillance at active portion	25 PA CODE 264a.1, 25 PA H207 CODE 265a.1, 40 CFR 264.14(b)(1), 40 CFR 265.14(b)(1)
No Violation	Artificial barrier around active portion	25 PA CODE 264a.1, 25 PA H208 CODE 265a.1, 40 CFR 264.14(b)(2), 40 CFR 265.14(b)(2)
No Violation	Proper signs posted at each entrance, minimum 4 inch lettering	25 PA CODE 264a.1, 25 PA H209 CODE 265a.1, 40 CFR 264.14(c), 40 CFR 265.14(c)
No Violation	Facility inspection schedule on-site	25 PA CODE 264a.1, 25 PA H210 CODE 265a.1, 40 CFR 264.15(a)(1), 40 CFR 265.15(b)(1)
Not Determined	Facility construction schedule submitted to Department for inspection and approval	25 PA CODE 264a.15, 25 PA H211 CODE 265a.15
Violations	Maintenance schedule onsite for equipment or structures which reveal deterioration or malfunction	25 PA CODE 264a.1, 25 PA H212 CODE 265a.1, 40 CFR 264.15(c), 40 CFR 265.15(c)
No Violation	Immediate remedial action taken where a hazard is imminent or has already occurred	25 PA CODE 264a.1, 25 PA H213 CODE 265a.1, 40 CFR 264.15(d), 40 CFR 265.15(d)

No Violation	Approved on the job or classroom personnel training program implemented	25 PA CODE 264a.1, 25 PA H214 CODE 265a.1, 40 CFR 264.16, 40 CFR 265.16
No Violation	Records retained for each employee at facility of training, job title and job description	25 PA CODE 264a.1, 25 PA H215 CODE 265a.1, 40 CFR 264.16(d), 40 CFR 265.16(d)
Not Applicable	Ignitable or reactive wastes separated from source of ignition or reaction	25 PA CODE 264a.1, 25 PA H216 CODE 265a.1, 40 CFR 264.17(a), 40 CFR 265.17(a)
Not Applicable	No smoking signs displayed where there are hazards from ignitable or reactive wastes	25 PA CODE 264a.1, 25 PA H217 CODE 265a.1, 40 CFR 264.17(a), 40 CFR 265.17(a)
Not Applicable	Treatment, storage, disposal of ignitable or reactive wastes or mixing of incompatible wastes or materials conducted according to requirements	25 PA CODE 264a.1, 25 PA H218 CODE 265a.1, 40 CFR 264.17(b), 40 CFR 265.17(b)
Violations	Facility maintained/operated to minimize possibility of fire, explosion or discharge of hazardous waste or hazardous constituents	25 PA CODE 264a.1, 25 PA H219 CODE 265a.1, 40 CFR 264.31, 40 CFR 265.31
No Violation	Facility equipped with internal alarm capable of providing immediate emergency instruction to personnel	25 PA CODE 264a.1, 25 PA H220 CODE 265a.1, 40 CFR 264.32(b), 40 CFR 265.32(b)
No Violation	Device for summoning outside emergency assistance available at scene of operations	25 PA CODE 264a.1, 25 PA H221 CODE 265a.1, 40 CFR 264.32(b), 40 CFR 265.32(b)
No Violation	Facility equipped with fire control, spill control and decontamination equipment	25 PA CODE 264a.1, 25 PA H222 CODE 265a.1, 40 CFR 264.32(c), 40 CFR 265.32(c)
No Violation	Facility equipped with water at adequate volume and pressure to supply fire control equipment	25 PA CODE 264a.1, 25 PA H223 CODE 265a.1, 40 CFR 264.32(d), 40 CFR 265.32(d)
No Violation	Facility communications or alarm systems, fire control, spill control and decontamination equipment tested and maintained	25 PA CODE 264a.1, 25 PA H224 CODE 265a.1, 40 CFR 264.33, 40 CFR 265.33
No Violation	Adequate aisle space maintained to allow unobstructed movement of personnel and equipment during emergencies	25 PA CODE 264a.1, 25 PA H225 CODE 265a.1, 40 CFR 264.35, 40 CFR 265.35

No Violation	Contingency plan onsite and implemented	25 PA CODE 264a.1, 25 PA H226 CODE 265a.1, 40 CFR 264.51, 40 CFR 265.51
No Violation	Contingency plan describes action taken by personnel in the event of an emergency	25 PA CODE 264a.1, 25 PA H227 CODE 265a.1, 40 CFR 264.52(a), 40 CFR 265.52(a)
No Violation	Contingency plan describes arrangements agreed to for outside emergency services such as police and fire department, hospitals, contractors, etc.	25 PA CODE 264a.1, 25 PA H228 CODE 265a.1, 40 CFR 264.52(c), 40 CFR 265.52(c)
No Violation	Contingency plan contains an up-to-date list of names, addresses and phone numbers of all persons qualified to act as emergency coordinator	25 PA CODE 264a.1, 25 PA H229 CODE 265a.1, 40 CFR 264.52(d), 40 CFR 265.52(d)
No Violation	Contingency plan contains list of emergency equipment including location, physical description and capabilities to each item	25 PA CODE 264a.1, 25 PA H230 CODE 265a.1, 40 CFR 264.52(e), 40 CFR 265.52(e)
No Violation	Contingency plan contains an evacuation plan if there is a possibility that evacuation could be necessary	25 PA CODE 264a.1, 25 PA H231 CODE 265a.1, 40 CFR 264.52(f), 40 CFR 265.52(f)
No Violation	Emergency coordinator designated and on the premises or on call	25 PA CODE 264a.1, 25 PA H232 CODE 265a.1, 40 CFR 264.55, 40 CFR 265.55
No Violation	Only Department approved manifest used, unless manifest not required by 40 CFR 262.20(e)	25 PA CODE 264a.71, 25 PA H233 CODE 265a.71
No Violation	Manifest properly completed and routed within time limits	25 PA CODE 264a.71, 25 PA H234 CODE 265a.71, 40 CFR 264.71(a)(b), 40 CFR 265.71(a)(b)
No Violation	Manifest discrepancies resolved or reported within time limits	25 PA CODE 264a.1, 25 PA H235 CODE 265a.1, 40 CFR 264.72(b), 40 CFR 265.72(b)
No Violation	Written operating record maintained on the premises	25 PA CODE 264a.1, 25 PA H236 CODE 265a.1, 40 CFR 264.73(a), 40 CFR 265.73(a)
No Violation	Written operating record contains description and quantity of waste received and method of treatment, storage or disposal	25 PA CODE 264a.1, 25 PA H237 CODE 265a.1, 40 CFR 264.73(b)(1), 40 CFR 265.73(b)(1)

No Violation	Written operating record contains location and quantity of each hazardous waste	25 PA CODE 264a.1, 25 PA H238 CODE 265a.1, 40 CFR 264.73(b)(2), 40 CFR 265.73(b)(2)
No Violation	Written operating record contains results of waste analyses and treatability tests	25 PA CODE 264a.1, 25 PA H239 CODE 265a.1, 40 CFR 264.73(b)(3), 40 CFR 265.73(b)(3)
No Violation	Written operating record contains reports and details of all incidents that required implementing the contingency plan	25 PA CODE 264a.1, 25 PA H240 CODE 265a.1, 40 CFR 264.73(b)(4), 40 CFR 265.73(b)(4)
No Violation	Written operating record contains records and results of all inspections	25 PA CODE 264a.1, 25 PA H241 CODE 265a.1, 40 CFR 264.73(b)(5), 40 CFR 265.73(b)(5)
No Violation	Written operating record contains required monitoring, testing and analytical data	25 PA CODE 264a.1, 25 PA H242 CODE 265a.1, 40 CFR 264.73(b)(8), 40 CFR 265.73(b)(6)
No Violation	Written operating record contains closure and post-closure cost estimates	25 PA CODE 264a.1, 25 PA H243 CODE 265a.1, 40 CFR 264.73(8), 40 CFR 265.73(8)
No Violation	All records retained on premises and available for inspection	25 PA CODE 264a.1, 25 PA H244 CODE 265a.1, 40 CFR 264.74, 40 CFR 265.74
No Violation	Biennial reports submitted on the Department's version of EPA Form 8700-13B	25 PA CODE 264a.75, 25 PA H245 CODE 265a.75, 40 CFR 264.75, 40 CFR 265.75
No Violation	Emissions, discharges, fires, explosions and groundwater contamination reported as required	25 PA CODE 264a.1, 25 PA H246 CODE 265a.1, 40 CFR 264.77(a), 40 CFR 265.77(a)
No Violation	Groundwater monitoring wells located at approved sites	25 PA CODE 265a.1, 40 CFR H247 265.91
No Violation	Approved groundwater sampling and analysis plan developed and implemented	25 PA CODE 265a.1, 40 CFR H248 265.92(a)
No Violation	Groundwater quality assessment outline on the premises	25 PA CODE 265a.1, 40 CFR H249 265.93

No Violation	Closure plan on the premises and up-to-date	25 PA CODE 265a.1, 40 CFR 265.112 H250
Not Applicable	Post-closure plan on the premises and up-to-date	25 PA CODE 265a.1, 40 CFR 265.118 H251
Violations	Annual closure cost estimate on the premises and up-to-date	25 PA CODE 264a.1, 25 PA CODE 265a.1, 40 CFR 265.142, 40 CFR 264.142 H252
Not Applicable	Annual post-closure cost estimate on the premises and up-to-date	25 PA CODE 264a.1, 25 PA CODE 265a.1, 40 CFR 264.144, 40 CFR 265.144 H253

### Comments

On 10/24/2023, the Department of Environmental Protection ("Department"), represented by Pam McQuistian (Solid Waste Specialist) and Ken Lee (Solid Waste Supervisor), conducted a HW TSDF inspection at MAX Environmental Technologies, Inc's Yukon Facility in South Huntingdon Township, Westmoreland County ("site"). Also representing the Department, Ben Williams (Environmental Group Manager), Lauren Fike (Environmental Protection Compliance Specialist), Caleb Byron (Solid Waste Specialist), Regina Patrick (Solid Waste Specialist), and Dylan Davis (Environmental Trainee/SWS) conducted the sampling component of the inspection. Sampling review/data are provided as an addendum to this report.

The facility is registered as a Large Quantity Generator (LQG) of hazardous waste (HW), EPA ID # PAD004835146. Hazardous and residual waste streams are accepted at the site for treatment; treated waste is disposed in the facility's residual waste landfill (Landfill No. 6) or at an alternative permitted disposal facility.

Rob Conklin, Compliance & Safety Technician for MAX, accompanied the inspection team, and Jason OBlack, Director of Operations for MAX, accompanied the sampling team. Carl Spadaro, Environmental General Manager, was interviewed post inspection and provided file review documents.

The Department noted the following:



## CAP Building

- Forty-four super sacks of Pebble Quick Lime and a pile of Gray Lime (Harsco Rec Mix) were at the south side of the building. These materials are utilized in the SWSS Units (pits) for waste treatment.
- Treated HW (lead-contaminated soil) was piled in Bays 2, 3 and 4; Conklin stated that the waste was pending analysis.
- Totes of product (treatment chemicals) were staged in the next bay (Door 7); electric arc furnace (EAF) dust treatment took place in this section of the building up until approximately 2013. Waste was on the floor under the old waste treatment unit (Photo 1); Conklin stated that old treated EAF dust falls from the mixer.
- \*Facility should promptly remove spilled waste from the EAF dust treatment area; this waste should be characterized and properly disposed.
- Empty totes were staged outside the building, between Door 8 and the last bay (Bay 4); Conklin stated that the totes are RCRA empty and will be going back to the vendor.
- The building had damaged/open panels/areas that could allow stormwater to contact/disperse waste that is being stored in the building (Photo 2). Conklin stated that they have been meeting with a contractor about the repair of the gutters, downspouts, siding and roof, with plans to start in the next couple months.
- \*Facility should prevent stormwater from entering, and waste from escaping, the building. As per 40 CFR § 264.1101(a)(1), the containment building must be completely enclosed with a floor, walls, and a roof to prevent exposure to the elements, (e.g., precipitation, wind, run-on), and to assure containment of managed wastes.
- \*As per 40 CFR § 264.15(c), the owner or operator must remedy any deterioration or malfunction of equipment or structures which the inspection reveals on a schedule which ensures that the problem does not lead to an environmental or human health hazard; where a hazard is imminent or has already occurred, remedial action must be taken immediately.
- \*As per 40 CFR § 264.31, facilities must be designed, constructed, maintained, and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
- \*As per the facility's HW permit, Part IV(C)(2), the Permittee shall construct and maintain the containment building with structures that provide protection from precipitation.
- Conklin and OBlack showed us the building's leak detection pipe in a pit at the north side of the building, stating that "the 2-inch line comes through (under) the building and into the pit; inspections (of the system) are being done now that it's located."

## SWSS Units (3 open air pits)

- Pit 1 contained HW soil and treatment chemicals; Conklin stated that the waste is pending preliminary analysis and will be remixed if necessary.

- Pits 2 and 3 were empty.
- Facility staff stated that they were making arrangements to reline Pit 1 in 2022 and 2023 (noted in Department inspection reports).
- \*Facility should provide a timeline for the relining of Pit 1, or provide documentation showing that replacement of the liner is not necessary at this time.
- Spilled waste was observed between the CAP building and the pits, and between the pits and the roll-off boxes (Photo 3).
- \*As per the facility's HW permit, Part IV(I), the Permittee shall prevent the tracking of waste outside of the containment building.

#### Storage Area 2/F039 Pad

- There was no waste staged in the storage area.
- \*Stormwater had collected in the southeast corner of the area. Conklin stated that the drainage issues will be addressed.

#### Storage Areas 3 & 4

- Approximately 49 roll-off containers were in Storage Areas 3 and 4. Thirty-three of the boxes contained treated waste, 5 of the boxes contained untreated waste, and 11 contained treatment chemicals.
- Inspected containers were tagged (to track contents – batch #, date, generator) and all but 3 were tarped; tarps had been removed from some of the boxes for sampling. It was noted that some of the tarps and tarp bows were in poor condition; Conklin stated that biannual box and tarp repairs are scheduled for November.
- \*Facility should repair or replace damaged tarps/bows in a timely manner.
- Two additional roll-off boxes, containing minimal waste (Photos 4 and 5), were not tarped or labeled. Conklin stated that the boxes contain PennDOT waste; the waste will be scraped out with a long reach.
- \*Facility should thoroughly remove waste from containers; boxes containing waste should be properly tarped and labeled.
- \*As per the facility's HW permit, Part V(F), containers holding treated hazardous wastes shall be completely emptied before reusing to store treated hazardous wastes.
- \*As per the facility's HW permit, Part V(G), each container... shall be covered with a tarp or similar device to prevent precipitation contact with the waste.
- Sump area 3 contained storm/contact water; Conklin stated that they will turn on the sump when the treatment system is running.
- Sump area 4 contained minimal storm/contact water; the excessive sediment and vegetation, noted in the Department's previous inspection, had been removed. Three of the roll-off boxes in Storage Area 4 contained the waste vegetation/sediment from the sump area.

#### Sampling at Storage Areas 3 & 4

- Five samples were taken (one from each container) from the side/end of roll-off boxes 101909, 102009, 101908, 102007 and 102323; sample numbers were 0012626, 0022626, 0032626, 004626 and 005626.
- Samples were taken at 10:33, 10:33, 10:45, 10:40 and 10:55 AM.

\*The Department's analytical results showed noncompliance with the treatment standards [40 CFR § 268.48(a)]; see addendum for sampling results and summary.

\*As per 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.

\*As per the facility's HW permit, Part II(S), the Permittee shall comply with standards under 40 CFR Part 268 (incorporated by reference at 25 Pa Code Chapter 268a, except where stated at 25 Pa Code 268a.1) applicable to hazardous waste storage and treatment facilities.

#### Sampling at Residual Waste Landfill (Landfill No. 6)

- Six samples were taken from Cell C-3; three 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.
- Sample numbers were 0062626, 0072626, 0082626, 0092626, 0102626 and 0112626.
- Samples were taken at 11:19, 11:19, 11:27, 11:27, 11:34 and 11:34 AM.

\*The Department's analytical results showed noncompliance with the treatment standards [40 CFR § 268.48(a)]; see addendum for sampling results and summary.

\*As per the facility's HW permit, Part II(S), the Permittee shall comply with standards under 40 CFR Part 268 (incorporated by reference at 25 Pa Code Chapter 268a, except where stated at 25 Pa Code 268a.1) applicable to hazardous waste storage and treatment facilities.

#### Maintenance Garage

- A waste oil tank previously labeled "Used Oil" was now labeled "Waste Oil."
- A waste coolant drum was in a containment area; the drum was labeled "Waste Coolant."

- Two buckets, staged next to oil and diesel tanks, were being used to collect drippage from hoses; the buckets were not in the containment area. Conklin stated that the buckets will be moved into the containment area.

The Tire Cleaning Station was in use; no tracking was observed on Spring Street.

File Review - The following documents were provided to the Department for review:

- LF-6 Activity Report (waste received in October 2023): The facility received a total of 1,947.81 tons of waste; 432.15 tons of the waste was non-hazardous waste (23 loads), and 1,515.66 tons was hazardous waste (105 loads).
  - HW manifests for 2023: The reviewed manifests included the Designated Facility/Final Copy
  - Analytical results (received by the lab on 3/15/2023) and HW Manifest for the F039 waste shipped from the site on 5/12/2023: The waste (3,000 gallons) was shipped to EQ/Michigan Disposal Waste Treatment Plant in Belleville, MI
  - Safety Training Documentation: Employee sign in sheets (9/18/2023, 9/19/2023), rosters (4/28/2023, 9/18/2023, 9/19/2023), certificates (9/15/2023, 9/18/2023, 9/19/2023), and list of subjects covered in 2023
  - 2021 HW Biennial Report
  - Preparedness, Prevention and Contingency (PCC) Plan: The plan was last revised March 2023
  - Waste Analysis and Classification Plan: The plan was revised 3/5/2004
  - Yukon Closure Plan: The plan was revised July 2003
  - Closure Cost Estimate submitted to the Department in 2022
- \*As per the facility's HW permit, Part II(J)(1), the Permittee shall adjust the closure cost estimate for inflation within 60 days after each anniversary of the date on which the most recent previous cost estimate was submitted to the Department as required by 40 CFR § 264.142(b)...

#### HW VIOLATION(S)

- 40 CFR § 264.1101(a)(1) - All containment buildings must comply with the following design standards: The containment building must be completely enclosed with a floor, walls, and a roof to prevent exposure to the elements, (e.g., precipitation, wind, run-on), and to assure containment of managed wastes.
- 40 CFR § 264.15(c)- The owner or operator must remedy any deterioration or malfunction of equipment or structures which the inspection reveals on a schedule which ensures that the problem does not lead to an environmental or human health hazard; where a hazard is imminent or has already occurred, remedial action must be taken immediately.

- 40 CFR § 264.31 - Facilities must be designed, constructed, maintained, and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
- 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.
- 40 CFR § 264.142(b) - During the active life of the facility, the owner or operator must adjust the closure cost estimate for inflation...
- 35 PS § 6018.610(9) - It shall be unlawful for any person or municipality to cause or assist in the violation of any provision of this act, any rule or regulation of the department, any order of the department or any term or condition of any permit. [HW permit conditions: Part II(J)(1) - The Permittee shall adjust the closure cost estimate for inflation within 60 days after each anniversary of the date on which the most recent previous cost estimate was submitted to the Department as required by 40 CFR § 264.142(b); Part II(S) - The Permittee shall comply with standards under 40 CFR Part 268 (incorporated by reference at 25 Pa Code Chapter 268a, except where stated at 25 Pa Code 268a.1) applicable to hazardous waste storage and treatment facilities; Part IV(C)(2) - The Permittee shall construct and maintain the containment building with structures that provide protection from precipitation; Part IV(I) - The Permittee shall prevent the tracking of waste outside of the containment building; Part V(F) - Containers holding treated hazardous wastes shall be completely emptied before reusing to store treated hazardous wastes; Part V(G) - Each container... shall be covered with a tarp or similar device to prevent precipitation contact with the waste.]

The Department recommends the following corrective actions:

- 1) Promptly remove spilled waste from the EAF dust treatment area (CAP Building); characterize and properly dispose the waste.
- 2) Maintain CAP building to prevent stormwater from entering, and waste from escaping, the building [40 CFR § 264.1101(a)(1); 40 CFR § 264.15(c); 40 CFR § 264.31; HW permit, Part IV(C)(2)].
- 3) Prevent the tracking of waste outside of the containment building [HW permit, Part IV(I)].
- 4) Thoroughly remove waste from containers prior to reusing the containers [HW permit, Part V(F)].
- 5) Properly tarp and label containers of waste [HW permit, V(G)].
- 6) Comply with standards under 40 CFR Part 268 when treating waste [40 CFR § 268.48(a); HW permit, Part II(S)].

7) Submit closure cost estimate adjusted for inflation within 60 days after each anniversary of the date on which the most recent previous cost estimate was submitted to the Department [40 CFR § 264.142(b)].8) Provide a timeline for the relining of Pit 1, or provide documentation showing that replacement of the liner is not necessary at this time.

A Notice of Violation, Enforcement ID 424954, has been issued to MAX Environmental Technologies, Inc Yukon Facility.

The Department will conduct a follow-up inspection approximately 30 days after receipt of this report to evaluate compliance.



## INSPECTION IMAGES



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Photo # 1 Waste under EAF dust treatment unit



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Photo # 2 Damaged panels on CAP building



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Photo # 3 Spilled waste between SWSS pits and roll-off boxes



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Photo # 4 Roll-off box #1 that contained waste and was not tarped/labeled





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Photo # 5 Roll-off box #2 that contained waste and was not tarped/labeled

## New and Outstanding Violations

40 CFR 264.1101(a)(1)

40 CFR 268.48(a)

35 PS 6018.610(9)

40 CFR 264.15(c) as incorporated in 25 PA Code 264a.1

Line Item: H212

40 CFR 264.31 as incorporated in 25 PA Code 264a.1

Line Item: H219


40 CFR 264.142 as incorporated in 25 PA Code 264a.1

Line Item: H252

## 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: Inspection report emailed to facility.	Date	--/------
Inspector		Date	01/26/2024



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

**MEMO**

\*\*\*\*\*via e-mail\*\*\*\*\*

**TO** Pam McQuistian

**CC** Lauren Stubbart, Lauren Fike, Ken Lee,  
Ben Williams, Sharon Svitek

**FROM** Robert Popichak, Environmental Chemist

**DATE** 17 January 2024

**RE** MAX Environmental Sampling Data  
October 2023 Data Review

**MESSAGE:**

I was asked by Ben Williams to review the results of the Bureau of Laboratories analyses conducted on samples taken by the Department in October 2023.

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

My observations:

1. Two of the eleven samples [2626009 & 2026011] had no analyte values exceeding the Universal Treatment Standards [UTS] for Landfill Disposal
2. One sample [2626008] exceeded UTS for cadmium by 5 %
3. Five samples [2626001, 2626002, 2626004, 2626006, 2626007, 2626008] showed lead concentrations more than 10% above the UTS
4. One sample [2626007] also showed cadmium more than 20% above the UTS
5. One sample [2626010] showed a thallium content more than 10% above the UTS
6. One sample [2626007] contained zinc at over 7 times the UTS limit
7. One sample [2626005] contained TCLP leachable lead at 28.20 mg/l, approximately 4 times the UTS, but also above the 5 mg/l TCLP RCRA Characteristic Toxicity limit...this sample was tagged "Box [102323] is pending analytical and may not be ready to be disposed" in its description

Sampling confirms that 82% of the samples exceeded UTS disposal standards, and one sample exceeded the RCRA Hazardous Waste TCLP limit for lead. Sample 2626005 was noted to be on hold awaiting further laboratory analytical results.

Review of this data indicates that the wastes sampled were incompletely treated for disposal into a PA Municipal/Residual Waste Landfill based on chemical analysis, and further sampling and analyses are indicated.

## Sampling Addendum

On 10/24/2023 the Department conducted an inspection and sampling of Max Environmental – Yukon facility. During the inspection two groups of two inspectors each conducted sampling of treated waste staged awaiting disposal. In addition, samples were taken from the working face of the landfill, grid C3. Samples were sent to the Department's lab in Harrisburg for analysis of Inorganics as defined in 40 CFR 268.48 for Land Disposal Restrictions (LDR) Universal Treatment Standards. The Nonwastewater standard was utilized in determining compliance for LDR.

All samples were taken using current protocols and methods. Each team utilized deconned spades to break up waste. Waste was taken from three separate locations in the roll off and homogenized to represent waste from the container. Five separate waste streams were sampled.

In addition, six samples were taken from the working face. All samples were taken from Cell C3 in various locations. Sampling teams took each sample by compositing three distinct sample locations within a three-foot circle. Approximately the first three inches were removed from each location and a sample taken from the pit. The three sample locations were then homogenized to represent a composite sample from each three-foot circle.

Results that exceeded LDR are noted on the attached spreadsheet. Full DEP lab results sheets are attached.

## SAMPLE EXCEEDANCES

Sample ID	Sample location	Constituent	Sample Results mg/L TCLP	Universal treatment standard for Nonwastewater as set forth in 40 CFR § 268.48	Notes
2626001	Treated waste in staging area that has been tested and Max states meets LDR - Roll off box 101909	lead	1.09	0.75 mg/L TCLP	Dark gray/brown, sandy texture
2626002	Treated waste in staging area that has been tested and Max states meets LDR - Roll off box 102009	lead	1.60	0.75 mg/L TCLP	Dark gray/brown, is wetter than first box, muddy
2626003	Treated waste in staging area that has been tested and Max states meets LDR - Roll off box 101908	lead	3.28	0.75 mg/L TCLP	Solids (gray filters) with a gray sludge mixed in
2626004	Treated waste in staging area that has been tested and Max states meets LDR - Roll off box 102007	lead	1.04	0.75 mg/L TCLP	Gray slag with larger solid pieces
2626005	Treated waste in staging area awaiting lab results to confirm waste meets LDR - Roll off box 102323	lead	28.20	0.75 mg/L TCLP	Gray material, sandy texture
2626006	Sample taken from working face - Cell C3 of landfill	lead	0.984	0.75 mg/L TCLP	light gray, sandy texture - taken from bottom of wf slope
2626007	Sample taken from working face - Cell C3 of landfill	cadmium	0.133	0.11 mg/L TCLP	taken from left side of wf
2626007	Sample taken from working face - Cell C3 of landfill	lead	1.97	0.75 mg/L TCLP	taken from left side of wf
2626007	Sample taken from working face - Cell C3 of landfill	zinc	31.90	4.3 mg/L TCLP	taken from left side of wf
2626008	Sample taken from working face - Cell C3 of landfill	cadmium	0.116	0.11 mg/L TCLP	dark gray, clay-like texture - taken from left side of wf
2626010	Sample taken from working face - Cell C3 of landfill	thallium	0.222	0.20 mg/L TCLP	dark brown, dry sandy texture - taken from slope of right side of wf
2626009	Sample taken from working face - Cell C3 of landfill				taken from far end of wf, away from access. No exceedences
2626011	Sample taken from working face - Cell C3 of landfill				taken from right side of wf on the far edge. No exceedences



Date of Issue: 12/14/2023 04:11:43

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 001

Date Collected: 10/24/2023 10:33:00 AM

Lab Sample ID: I2023017916

Status: Completed

Name of Sample Collector: Pamela E Mcquistian

Date Received: 10/25/2023

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Analysis: 200

Matrix: Sludge

Legal Seal: I142192

Intact: Yes

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:30 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	3.730 mg/kg	11/21/2023 11:07 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	12.600 mg/kg	11/21/2023 11:07 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	150.523 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 001

**Date Collected:** 10/24/2023 10:33:00 AM

**Lab Sample ID:** I2023017916

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.593 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	3.496 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	.255 mg/L	11/29/2023 11:29 AM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				
46308K CHROMIUM, MG/KG DRY WT. BASIS	3360.106 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	1.09 mg/L	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	7526.000 mg/kg	11/22/2023 09:07 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 03:04 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	<0.118 mg/kg	11/22/2023 02:14 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	1588.198 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 11:29 AM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	15.05 %	11/09/2023 02:30 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	84.95 %	11/09/2023 02:30 PM	JOWERNER	SM 2540G
40004K Sample Weight ,g	0.4966 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	8.360 mg/kg	11/21/2023 11:07 AM	SCHOY	EPA 6020B
** Comment ** Possible Matrix Interference				
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	0.593 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	11.860 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.210 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/09/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 11:29 AM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	<1.480 mg/kg	11/21/2023 11:07 AM	SCHOY	EPA 6020B
** Comment ** Diluted Before Analysis				
DETECTION LIMIT NOT MET - INTERFERENCE				
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 11:29 AM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	371.567 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D

Analytical Report For  
Land Recycling & Waste Management

Sample ID: 2626 001

Date Collected: 10/24/2023 10:33:00 AM

Lab Sample ID: I2023017916

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46905K ZINC, MG/KG DRY WT. BASIS	50371.958 mg/kg	11/28/2023 02:35 PM	SALABSI	EPA 6010 D
** Comment ** Diluted Before Analysis				
49053 ZINC, TOTAL (TCLP EXTRACT)	1.080 mg/L	11/29/2023 11:29 AM	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:** 12/14/2023 04:07:18

**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 002

**Date Collected:** 10/24/2023 10:33:00 AM

**Lab Sample ID:** I2023017917

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

**Legal Seal:** I142193

**Intact:** Yes

**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:30 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	4.020 mg/kg	11/21/2023 11:10 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	12.200 mg/kg	11/21/2023 11:10 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	114.992 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 002

**Date Collected:** 10/24/2023 10:33:00 AM

**Lab Sample ID:** I2023017917

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.628 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	21.616 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	.133 mg/L	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46308K CHROMIUM, MG/KG DRY WT. BASIS	3091.601 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	1.60 mg/L	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	16086.000 mg/kg	11/22/2023 09:10 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 03:12 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	<0.126 mg/kg	11/22/2023 02:16 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	1187.627 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 11:38 AM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	18.07 %	11/09/2023 02:30 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	81.93 %	11/09/2023 02:30 PM	JOWERNER	SM 2540G
40004K Sample Weight .g	0.4856 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	9.680 mg/kg	11/21/2023 11:10 AM	SCHOY	EPA 6020B
** Comment ** Possible Matrix Interference				
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	0.628 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	11.810 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.270 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/09/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 11:38 AM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	<1.540 mg/kg	11/21/2023 11:10 AM	SCHOY	EPA 6020B
** Comment ** Diluted Before Analysis				
DETECTION LIMIT NOT MET - INTERFERENCE				
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 11:38 AM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	397.195 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	15458.006 mg/kg	11/28/2023 02:39 PM	SALABSI	EPA 6010 D

Analytical Report For  
Land Recycling & Waste Management

Sample ID: 2626 002

Date Collected: 10/24/2023 10:33:00 AM

Lab Sample ID: I2023017917

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
49053 ZINC, TOTAL (TCLP EXTRACT)	0.868 mg/L	11/29/2023 11:38 AM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				

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.

\* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

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:** 12/14/2023 04:03:15

**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 003

**Date Collected:** 10/24/2023 10:45:00 AM

**Lab Sample ID:** I2023017918

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

<b>Legal Seal:</b> I142194	<b>Intact:</b> Yes
----------------------------	--------------------

**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:31 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	0.026 mg/L	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	60.500 mg/kg	11/21/2023 09:52 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	22.300 mg/kg	11/21/2023 09:52 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	687.004 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 003

**Date Collected:** 10/24/2023 10:45:00 AM

**Lab Sample ID:** I2023017918

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.667 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	66.032 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46308K CHROMIUM, MG/KG DRY WT. BASIS	2307.801 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	3.28 mg/L	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	31482.000 mg/kg	11/22/2023 09:48 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 03:14 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	<0.133 mg/kg	11/22/2023 02:19 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	6103.001 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 11:41 AM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	23.02 %	11/09/2023 02:31 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	76.98 %	11/09/2023 02:31 PM	JOWERNER	SM 2540G
40004K Sample Weight .g	0.4869 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	<4.670 mg/kg	11/21/2023 09:52 AM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	82.040 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	11.550 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.040 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/09/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 11:41 AM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	<1.670 mg/kg	11/21/2023 11:20 AM	SCHOY	EPA 6020B
** Comment ** Diluted Before Analysis				
DETECTION LIMIT NOT MET - INTERFERENCE				
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 11:41 AM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	350.972 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	680.334 mg/kg	11/28/2023 02:47 PM	SALABSI	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	0.287 mg/L	11/29/2023 11:41 AM	SCHOY	EPA 6020B

Analytical Report For  
Land Recycling & Waste Management

Sample ID: 2626 003

Date Collected: 10/24/2023 10:45:00 AM

Lab Sample ID: I2023017918

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Laboratory Blank out of range				
<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:** 12/14/2023 04:01:40

**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 004

**Date Collected:** 10/24/2023 10:40:00 AM

**Lab Sample ID:** I2023017919

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Analysis:** 200

**Matrix:** Sludge

<b>Legal Seal:</b> I142195	<b>Intact:</b> Yes
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**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:31 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	0.052 mg/L	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	4257.000 mg/kg	11/22/2023 10:01 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	805.000 mg/kg	11/22/2023 10:01 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	1328.241 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 004

**Date Collected:** 10/24/2023 10:40:00 AM

**Lab Sample ID:** I2023017919

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.533 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	517.961 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46308K CHROMIUM, MG/KG DRY WT. BASIS	1658.968 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	1.04 mg/L	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	67212.000 mg/kg	11/22/2023 09:50 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 03:17 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	<0.107 mg/kg	11/22/2023 02:21 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	1381.584 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 11:44 AM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	4.51 %	11/09/2023 02:31 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	95.49 %	11/09/2023 02:31 PM	JOWERNER	SM 2540G
40004K Sample Weight .g	0.4908 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	42.000 mg/kg	11/21/2023 11:23 AM	SCHOY	EPA 6020B
** Comment ** Possible Matrix Interference				
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	2.934 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	10.940 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.230 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/09/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 11:44 AM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	2.130 mg/kg	11/21/2023 11:23 AM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 11:44 AM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	306.082 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	954.840 mg/kg	11/29/2023 09:10 AM	SALABSI	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	0.232 mg/L	11/29/2023 11:44 AM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				



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

**Sample ID:** 2626 004

**Date Collected:** 10/24/2023 10:40:00 AM

**Lab Sample ID:** I2023017919

**Status:** Completed

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.

\* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

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:** 12/14/2023 04:03:18

**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 005

**Date Collected:** 10/24/2023 10:55:00 AM

**Lab Sample ID:** I2023017920

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

<b>Legal Seal:</b> I142196	<b>Intact:</b> Yes
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**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:32 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:13 PM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	113.000 mg/kg	11/22/2023 11:11 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:13 PM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	91.700 mg/kg	11/22/2023 11:11 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 12:13 PM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	254.770 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 005

**Date Collected:** 10/24/2023 10:55:00 AM

**Lab Sample ID:** I2023017920

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.674 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	0.013 mg/L	11/29/2023 02:52 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	.057 mg/L	11/29/2023 12:13 PM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	1192.971 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	.067 mg/L	12/12/2023 11:09 AM	SCHOY	EPA 6020B
** Comment ** Duplicate values are not within acceptable range				
Highest value from re-extraction was reported.				
46308K CHROMIUM, MG/KG DRY WT. BASIS	1078.392 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	28.2 mg/L	12/12/2023 10:50 AM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	66793.000 mg/kg	11/22/2023 09:53 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	.00461 mg/L	11/21/2023 03:37 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	1.00 mg/kg	11/22/2023 02:24 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	88.967 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 12:13 PM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	24.96 %	11/09/2023 02:32 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	75.04 %	11/09/2023 02:32 PM	JOWERNER	SM 2540G
40004K Sample Weight ,g	0.4943 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 12:13 PM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	<94.400 mg/kg	11/22/2023 11:11 AM	SCHOY	EPA 6020B
** Comment ** Diluted Before Analysis				
DETECTION LIMIT NOT MET - INTERFERENCE				
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 12:13 PM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	175.239 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	12.750 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	12.450 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/15/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:13 PM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	3.370 mg/kg	11/21/2023 11:26 AM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 12:13 PM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	66.051 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D

Analytical Report For  
Land Recycling & Waste Management

Sample ID: 2626 005

Date Collected: 10/24/2023 10:55:00 AM

Lab Sample ID: I2023017920

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46905K ZINC, MG/KG DRY WT. BASIS	69084.471 mg/kg	11/29/2023 09:19 AM	SALABSI	EPA 6010 D
** Comment ** Diluted Before Analysis				
49053 ZINC, TOTAL (TCLP EXTRACT)	3.200 mg/L	11/29/2023 12:13 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:** 12/15/2023 04:03:21

**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 006

**Date Collected:** 10/24/2023 11:19:00 AM

**Lab Sample ID:** I2023017921

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

**Legal Seal:** I142197

**Intact:** Yes

**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:32 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	0.123 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	428.000 mg/kg	11/22/2023 10:09 AM	SCHOY	EPA 6020B
** Comment ** Duplicate values are not within acceptable range				
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:22 PM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	111.000 mg/kg	11/22/2023 10:30 AM	SCHOY	EPA 6020B

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

**Sample ID:** 2626 006

**Date Collected:** 10/24/2023 11:19:00 AM

**Lab Sample ID:** I2023017921

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Duplicate values are not within acceptable range				
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 12:22 PM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	1042.233 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.664 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 02:34 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 12:22 PM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	2648.732 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	.059 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				
46308K CHROMIUM, MG/KG DRY WT. BASIS	2051.274 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
** Comment ** Duplicate values are not within acceptable range				
79736E LEAD AS PB MG/L TCLP	.984 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	10555.000 mg/kg	11/22/2023 09:20 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	.00107 mg/L	11/21/2023 03:44 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	<0.133 mg/kg	11/22/2023 02:26 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	1055.510 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
** Comment ** Duplicate values are not within acceptable range				
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	24.15 %	11/09/2023 02:32 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	75.85 %	11/09/2023 02:32 PM	JOWERNER	SM 2540G
40004K Sample Weight ,g	0.4965 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	.587 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	27.800 mg/kg	11/22/2023 10:30 AM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	.013 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	8.497 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	10.950 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.270 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/15/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:22 PM	SCHOY	EPA 6020B

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

**Sample ID:** 2626 006

**Date Collected:** 10/24/2023 11:19:00 AM

**Lab Sample ID:** I2023017921

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46911K2 Thallium, MG/KG Dry WT Basis	7.100 mg/kg	11/21/2023 10:02 AM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	162.442 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	6313.144 mg/kg	11/29/2023 09:26 AM	SALABSI	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	0.255 mg/L	11/29/2023 12:22 PM	SCHOY	EPA 6020B

\*\* Comment \*\* Laboratory Blank out of range

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.  
\* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

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:** 12/14/2023 04:08:48

**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 007

**Date Collected:** 10/24/2023 11:20:00 AM

**Lab Sample ID:** I2023017922

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

**Legal Seal:** I142198

**Intact:** Yes

**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:32 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:31 PM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	<1.060 mg/kg	11/21/2023 10:08 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:31 PM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	<2.130 mg/kg	11/21/2023 10:08 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 12:31 PM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	49.920 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D



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

**Sample ID:** 2626 007

**Date Collected:** 10/24/2023 11:20:00 AM

**Lab Sample ID:** I2023017922

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.532 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D
** Comment ** Matrix spike recovery high. Results may be biased high				
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 02:38 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	.133 mg/L	11/29/2023 12:31 PM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	2.448 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D
** Comment ** Matrix spike recovery high. Results may be biased high				
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:31 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				
46308K CHROMIUM, MG/KG DRY WT. BASIS	278.873 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	1.97 mg/L	11/29/2023 01:07 PM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	2714.000 mg/kg	11/22/2023 09:25 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	.00164 mg/L	11/21/2023 03:47 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	<0.106 mg/kg	11/22/2023 02:36 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	93.135 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	0.166 mg/L	11/29/2023 12:31 PM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	5.35 %	11/09/2023 02:32 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	94.65 %	11/09/2023 02:32 PM	JOWERNER	SM 2540G
40004K Sample Weight .g	0.4963 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 12:31 PM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	<3.720 mg/kg	11/21/2023 10:08 AM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 12:31 PM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	0.532 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D
** Comment ** Matrix spike recovery high. Results may be biased high				
90008X TCLP Extraction Fluid	1	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	7.380 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	10.350 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/15/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:31 PM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	<0.532 mg/kg	11/21/2023 10:08 AM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 12:31 PM	SCHOY	EPA 6010 D

Analytical Report For  
Land Recycling & Waste Management

Sample ID: 2626 007

Date Collected: 10/24/2023 11:20:00 AM

Lab Sample ID: I2023017922

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46913K VANADIUM, MG/KG DRY WT. BASIS	61.629 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	4018.112 mg/kg	11/29/2023 09:33 AM	SALABSI	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	31.900 mg/L	11/29/2023 01:07 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				

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.

\* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

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:** 12/14/2023 04:03:25

**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 008

**Date Collected:** 10/24/2023 11:27:00 AM

**Lab Sample ID:** I2023017923

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

**Legal Seal:** I142199

**Intact:** Yes

**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:33 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	0.059 mg/L	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	358.000 mg/kg	11/22/2023 10:50 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	69.400 mg/kg	11/22/2023 10:35 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	519.148 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 008

**Date Collected:** 10/24/2023 11:27:00 AM

**Lab Sample ID:** I2023017923

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.620 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 02:40 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	.116 mg/L	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	2527.595 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:35 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				
46308K CHROMIUM, MG/KG DRY WT. BASIS	1629.308 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	.100 mg/L	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	14497.000 mg/kg	11/22/2023 09:27 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 03:49 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	<0.124 mg/kg	11/22/2023 02:44 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	991.214 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	11/29/2023 12:35 PM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	18.64 %	11/09/2023 02:33 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	81.36 %	11/09/2023 02:33 PM	JOWERNER	SM 2540G
40004K Sample Weight ,g	0.4960 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	8.420 mg/kg	11/22/2023 10:35 AM	SCHOY	EPA 6020B
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	11.089 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	9.220 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.000 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/15/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:35 PM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	7.060 mg/kg	11/21/2023 10:15 AM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 12:35 PM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	169.869 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	6442.890 mg/kg	11/29/2023 09:38 AM	SALABSI	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	0.271 mg/L	11/29/2023 12:35 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				

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

**Sample ID:** 2626 008

**Date Collected:** 10/24/2023 11:27:00 AM

**Lab Sample ID:** I2023017923

**Status:** Completed

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.

\* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

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:** 12/14/2023 04:04:43

**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 009

**Date Collected:** 10/24/2023 11:27:00 AM

**Lab Sample ID:** I2023017924

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Analysis:** 200

**Matrix:** Sludge

<b>Legal Seal:</b> I142200	<b>Intact:</b> Yes
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**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:33 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:38 PM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	51.000 mg/kg	11/22/2023 11:14 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:38 PM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	42.100 mg/kg	11/22/2023 11:14 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 12:38 PM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	153.044 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 009

**Date Collected:** 10/24/2023 11:27:00 AM

**Lab Sample ID:** I2023017924

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.632 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 02:42 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 12:38 PM	SCHOY	EPA 6020B
Duplicate values are not within acceptable range. Cd duplicate .010 mg/L				
46309K CADMIUM, MG/KG DRY WT. BASIS	2719.374 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	.059 mg/L	11/29/2023 12:38 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				
Duplicate values are not within acceptable range. Cr duplicate .124 mg/L				
46308K CHROMIUM, MG/KG DRY WT. BASIS	1125.694 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	.241 mg/L	11/29/2023 12:38 PM	SCHOY	EPA 6020B
Duplicate values are not within acceptable range. Pb duplicate .086 mg/L				
46258K2 Lead, , MG/KG Dry WT Basis	20490.000 mg/kg	11/22/2023 09:30 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 03:57 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	0.245 mg/kg	11/22/2023 02:46 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	245.376 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.040 mg/L (U)	11/29/2023 12:38 PM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	19.75 %	11/09/2023 02:33 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	80.25 %	11/09/2023 02:33 PM	JOWERNER	SM 2540G
40004K Sample Weight ,g	0.4926 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 12:38 PM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	<44.300 mg/kg	11/22/2023 11:14 AM	SCHOY	EPA 6020B
** Comment ** Diluted Before Analysis				
DETECTION LIMIT NOT MET - INTERFERENCE				
79738E SILVER AS AG MG/L TCLP	.011 mg/L	11/29/2023 12:38 PM	SCHOY	EPA 6020B
Duplicate values are not within acceptable range. Ag duplicate <.01 mg/L				
46902K SILVER, MG/KG DRY WT. BASIS	40.601 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	10.760 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.260 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/15/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	0.082 mg/L	11/29/2023 12:38 PM	SCHOY	EPA 6020B

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

**Sample ID:** 2626 009

**Date Collected:** 10/24/2023 11:27:00 AM

**Lab Sample ID:** I2023017924

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46911K2 Thallium, MG/KG Dry WT Basis	20.500 mg/kg	11/21/2023 10:25 AM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 12:38 PM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	125.154 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	20363.688 mg/kg	11/29/2023 09:42 AM	SALABSI	EPA 6010 D
49053 ZINC, TOTAL (TCLP EXTRACT)	0.344 mg/L	11/29/2023 12:38 PM	SCHOY	EPA 6020B

\*\* Comment \*\* Laboratory Blank out of range

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.  
\* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

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:** 12/14/2023 04:10:28

**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 010

**Date Collected:** 10/24/2023 11:34:00 AM

**Lab Sample ID:** I2023017925

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

<b>Legal Seal:</b> I142201	<b>Intact:</b> Yes
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**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:33 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	67.900 mg/kg	11/22/2023 10:55 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	56.600 mg/kg	11/22/2023 10:55 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	151.463 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 010

**Date Collected:** 10/24/2023 11:34:00 AM

**Lab Sample ID:** I2023017925

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.765 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 02:50 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	11244.971 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	<0.040 mg/L (U)	11/29/2023 12:44 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				
46308K CHROMIUM, MG/KG DRY WT. BASIS	1124.497 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	.213 mg/L	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46258K2 Lead, , MG/KG Dry WT Basis	33199.000 mg/kg	11/22/2023 09:37 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 04:02 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	0.368 mg/kg	11/22/2023 02:49 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	270.032 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 12:44 PM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	33.48 %	11/09/2023 02:33 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	66.52 %	11/09/2023 02:33 PM	JOWERNER	SM 2540G
40004K Sample Weight ,g	0.4913 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	<0.070 mg/L (U)	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	<53.500 mg/kg	11/22/2023 10:55 AM	SCHOY	EPA 6020B
** Comment ** Diluted Before Analysis				
DETECTION LIMIT NOT MET - INTERFERENCE				
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	90.266 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	10.700 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.630 pH units	11/15/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/15/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	0.222 mg/L	11/29/2023 12:44 PM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	106.000 mg/kg	11/22/2023 10:55 AM	SCHOY	EPA 6020B
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 12:44 PM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	153.222 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	7261.581 mg/kg	11/29/2023 09:46 AM	SALABSI	EPA 6010 D

Analytical Report For  
Land Recycling & Waste Management

Sample ID: 2626 010

Date Collected: 10/24/2023 11:34:00 AM

Lab Sample ID: I2023017925

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
** Comment ** Diluted Before Analysis				
49053 ZINC, TOTAL (TCLP EXTRACT)	0.253 mg/L	11/29/2023 12:44 PM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				
<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:** 12/14/2023 04:08:42

**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 011

**Date Collected:** 10/24/2023 11:34:00 AM

**Lab Sample ID:** I2023017926

**Status:** Completed

**Name of Sample Collector:** Pamela E Mcquistian

**Date Received:** 10/25/2023

**County:** NOT INDICATED

**State:**

**Municipality:** NOT INDICATED

**Location:** NOT INDICATED

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Standard Anlysis:** 200

**Matrix:** Sludge

<b>Legal Seal:</b> 1142202	<b>Intact:</b> Yes
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**Stream Condition:**

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
80002L Acid Digestion EPA 3015A	0.0	11/20/2023 02:34 PM	JOWERNER	EPA 3015A
79751E ANTIMONY as MG/L TCLP	<.020 mg/L (U)	11/29/2023 11:54 AM	SCHOY	EPA 6020B
46909K2 Antimony, MG/KG Dry WT Basis	117.000 mg/kg	11/22/2023 11:24 AM	SCHOY	EPA 6020B
79741E ARSENIC AS AS MG/L TCLP	<0.040 mg/L (U)	11/29/2023 11:54 AM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	95.600 mg/kg	11/22/2023 11:24 AM	SCHOY	EPA 6020B
79733E BARIUM AS BA MG/L TCLP	<0.500 mg/L (U)	11/29/2023 11:54 AM	SCHOY	EPA 6020B
46901K BARIUM, MG/KG DRY WT. BASIS	226.886 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D

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

**Sample ID:** 2626 011

**Date Collected:** 10/24/2023 11:34:00 AM

**Lab Sample ID:** I2023017926

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
46910K BERYLLIUM, MG/KG DRY WT. BASIS	0.713 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D
49037 BERYLLIUM, TOTAL ( TCLP EXTRACT)	<0.010 mg/L (U)	11/29/2023 02:24 PM	SCHOY	EPA 6020B
79734E CADMIUM AS CD MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:54 AM	SCHOY	EPA 6020B
46309K CADMIUM, MG/KG DRY WT. BASIS	2825.379 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D
79735E CHROMIUM AS CR MG/L TCLP	.058 mg/L	11/29/2023 11:54 AM	SCHOY	EPA 6020B
** Comment ** Duplicate values are not within acceptable range				
Cr duplicate <.04 mg/L				
46308K CHROMIUM, MG/KG DRY WT. BASIS	1783.699 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D
79736E LEAD AS PB MG/L TCLP	.616 mg/L	11/29/2023 11:54 AM	SCHOY	EPA 6020B
** Comment ** Duplicate values are not within acceptable range				
Pb duplicate 1.08 mg/L				
46258K2 Lead, , MG/KG Dry WT Basis	48160.000 mg/kg	11/22/2023 09:40 AM	SCHOY	EPA 6020B
79729E MERCURY AS HG MG/L TCLP	<.001 mg/L (U)	11/21/2023 03:19 PM	FHUNZIKER	EPA 7470 A
** Comment ** Holding time exceeded due to emergency building closure.				
46259K MERCURY, MG/KG DRY WT. BASIS	0.610 mg/kg	11/27/2023 02:01 PM	FHUNZIKER	BOL BOL5024 REV 8 --2021
** Comment ** Holding time exceeded due to emergency building closure.				
46307K NICKEL, MG/KG DRY WT. BASIS	296.808 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D
49045 NICKEL, TOTAL (TCLP EXTRACT)	<0.080 mg/L	11/29/2023 11:54 AM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL	29.37 %	11/09/2023 02:34 PM	JOWERNER	SM 2540G
40006K PERCENT SOLID CONTENT	70.63 %	11/09/2023 02:34 PM	JOWERNER	SM 2540G
40004K Sample Weight ,g	0.4961 GRAMS	11/16/2023 02:00 PM	JOWERNER	EPA 3051A
79737E SELENIUM AS SE MG/L TCLP	.127 mg/L	11/29/2023 11:54 AM	SCHOY	EPA 6020B
46904K2 Selenium, MG/KG Dry WT Basis	<125.000 mg/kg	11/22/2023 11:24 AM	SCHOY	EPA 6020B
** Comment ** Diluted Before Analysis				
DETECTION LIMIT NOT MET - INTERFERENCE				
79738E SILVER AS AG MG/L TCLP	<0.010 mg/L (U)	11/29/2023 11:54 AM	SCHOY	EPA 6020B
46902K SILVER, MG/KG DRY WT. BASIS	117.724 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D
90008X TCLP Extraction Fluid	1	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008F TCLP Metal Extraction Final ph	10.490 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90008I TCLP Metal Extraction Initial ph	11.470 pH units	11/09/2023 12:00 PM	SCHOY	EPA 1311
90003 TCLP SW846 METHOD 1311	0	11/09/2023 12:00 PM	SCHOY	EPA 1311
79750E THALLIUM as MG/L TCLP	0.101 mg/L	11/29/2023 11:54 AM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	12.400 mg/kg	11/21/2023 10:32 AM	SCHOY	EPA 6020B

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

**Sample ID:** 2626 011

**Date Collected:** 10/24/2023 11:34:00 AM

**Lab Sample ID:** I2023017926

**Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79745E VANADIUM as MG/L TCLP	<0.130 mg/L	11/29/2023 11:54 AM	SCHOY	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	219.110 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D
46905K ZINC, MG/KG DRY WT. BASIS	70991.223 mg/kg	11/29/2023 09:51 AM	SALABSI	EPA 6010 D
** Comment ** Diluted Before Analysis				
49053 ZINC, TOTAL (TCLP EXTRACT)	0.269 mg/L	11/29/2023 11:54 AM	SCHOY	EPA 6020B
** Comment ** Laboratory Blank out of range				

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.

\* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

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

Jennifer Fesler, Technical Director, Bureau of Laboratories