



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
RESOURCE CONSERVATION AND RECOVERY ACT**

GENERAL INFORMATION

Facility Name: bioMérieux, Inc.

RCRA ID: UTR000014001

Facility Location:

515 Colorow Drive, Salt Lake City, Utah

Facility Contact:

Wade Veselka, 801-834-8881,
wade.veselka@biomereix.com

Notification Status:

Large Quantity Generator

Date of Inspection: August 23, 2023

Arrival Time: 9:15 a.m.

Departure Time: 4:55 p.m.

Lead Inspector & Report Author: Annette Maxwell, U.S. EPA Inspector

Inspection Attendees:

1. Kristin McNeill, U.S. EPA
2. Erika Greenwell, Utah DEQ DWMRC
3. Craig Jorgensen, Utah DEQ DWMRC
4. Wade Veselka, bioMérieux, Inc.
5. Todd Robinson, bioMérieux, Inc.
6. Adam Nelson, bioMérieux, Inc.
7. Bill Phifer, bioMérieux, Inc.

Type and Purpose of Inspection:

Compliance Evaluation Inspection
Compliance with RCRA Subtitle C

Facility Type: NAICS 334516 - Analytical Laboratory Instrument Manufacturing

Applicable Regulations: R315-260 to R315-273 of the Utah Administrative Code (UAC) and R315-15 of the UAC

Inspection Type:

Unannounced Inspection
EPA inspection with DWMRC accompanying

Disclaimer

This report is a summary of observations and information gathered from the facility at the time of the inspection. The information provided does not constitute a final decision on compliance with RCRA regulations, nor is it meant to be a comprehensive summary of all activities and processes conducted at the facility.

OPENING CONFERENCE

Upon arrival at the facility, an opening conference was conducted with the above-listed facility personnel. Kristin McNeill and I presented our federal inspector credentials and explained the purpose of the inspection. We were not denied access to the facility and were allowed to inspect all areas that we selected for inspection.

Facility Name: bioMérieux, Inc. (UTR000014001)

Facility Location: 515 Colorow Drive, Salt Lake City, Utah

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The following information was obtained verbally during the inspection from the above-listed facility personnel unless otherwise noted.

FACILITY OVERVIEW

Regulatory Status

According to RCRAInfo, the bioMérieux, Inc. Salt Lake City facility located at 515 Colorow Drive (bioMérieux) is a large quantity generator (LQG) of hazardous waste. During the inspection, Mr. Veselka confirmed this generator status.

Facility and Process Description

BioMérieux is a manufacturer of molecular infectious disease diagnostic testing instrumentation capable of detecting and identifying pathogens. The facility was previously Biofire Diagnostics, LLC, but had recently been purchased prior to the inspection. The instrumentation remains marketed under the Biofire name.

The facility began occupancy at this location in 2015 or 2016, and at the time of the inspection, the site had approximately 500 to 600 employees with 24/7 production. The building is leased from the University of Utah. Processes include pouch manufacturing on the first floor, instrument manufacturing and engineering on the second floor, and research and development labs, office space, and manufacturing support on the third floor. HVAC equipment is located above the third floor. The facility comprises 288,000 square feet, with an approximate total of up to 140,000 square feet of manufacturing and laboratory space.

Hazardous waste is accumulated in two central accumulation areas and four satellite accumulation areas. The facility did not have pretreatment or Clean Air Act permits at the time of the inspection. Outdoor storage includes dumpsters, a bulk diesel fuel tank, and recycling of glass, cardboard and compost.

Based upon the facility's 2023 Biennial Report, commonly generated hazardous waste includes:

- Waste organic liquid, D001, F003, F005
- Lab pack waste, D001, D002, D022, and U-listed waste
- Waste rags and debris, D001, F005

TOUR INFORMATION

All photographs collected during the inspection and referenced below are included in Attachment 1 – Photograph Log.

Areas of the Facility included in the site tour:

- PCR Lab (viewed through window)
- Main Lab
- BSL Lab
- HCT Lab
- Engineering Lab
- Instrument assembly (viewed through window)
- 1011 Storage waste closet central accumulation area
- 1010 Storage e-waste closet

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- Outdoor dock
- Reagent manufacturing
- 1220 Tank Room 3
- Tank Room 2
- Tank Room 1
- Biochemistry Room
- Array Manufacturing
- R&D Project Shop

The following narrative includes areas listed above in which conditions of interest or potential deficiencies were noted. The information included below was obtained by my observation or by explanation provided by the accompanying facility personnel unless otherwise noted.

In the Main Lab, I observed a 5-gallon satellite accumulation area (SAA) container that was not marked with the words “hazardous waste” or with an indication of the hazards but was empty.

At a PCR Lab SAA, I observed a 5-gallon SAA container that was not labeled with the words “hazardous waste” or with an indication of the hazards.

At the Engineering Lab, I observed a 5-gallon SAA container that was marked with the words “hazardous waste” but not with an indication of the hazards, see Attachment 1, photo 1.

At the 1011 Storage waste closet 90-day central accumulation area (see Attachment 1, photos 2-4), Mr. Veselka explained that SAA containers are brought to this location, and that this is also where the hazardous waste transporter, AET, performs lab packing and pickups. The hazardous waste stored in this area was separated by hazard, and I observed three yellow bins labeled with indications of the hazards such as “corrosive” and with an accumulation start date of 3/17/2023. An additional clear bin was not marked with an accumulation start date. Mr. Veselka said that AET had recently been having trouble finding a designated facility to receive certain wastes due to the hazardous waste incinerator backlog. Ms. Greenwell told him that DWMRC has a process for requesting, on a case-by-case basis, an extension to accumulation deadlines that may be applicable, and that any such request submitted should include as much detail as possible. When asked by the inspection team about weekly inspections, Mr. Veselka said they had not been doing weekly inspections of this area.

Also at this 1011 Storage waste closet, I observed that the area was marked “Satellite Accumulation Area.” However, this area was not at or near the point of generation and under the control of the operator. Following the inspection, Mr. Veselka provided a photograph of this area showing that signage had been revised to indicate the area was a central accumulation area (see Attachment 2 – Facility Correspondence: Photos of Changes and Improvements).

In addition, small individual containers of hazardous waste in the 1011 Storage waste closet that were stored in open-top bins, plastic bags containing smaller containers, and a plastic tote, were not marked with the words Hazardous Waste, an indication of the hazard, and an accumulation start date.

In the 1220 Tank Room 3, I observed a 55-gallon white poly drum labeled to contain hazardous waste and marked “synthesizer with THF,” flammable, with accumulation start date 8/23/2023. See Attachment 1, photos 5 and 6. I observed that tubing led from the drum to overhead ducting, and that the container was also equipped with a pressure relief valve marked RVD025V-PV.

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Near the R&D Project Shop, a flammable cabinet contained an approximately 5-gallon can that was marked "IPA Waste" but was not marked with the words "Hazardous Waste" or with an indication of the hazards. See Attachment 1, photo 8.

ON-SITE RECORD REVIEW:

During review of hazardous waste manifests, the inspection team noted that manifests 016047771FLE, 016047772FLE, and 016047773FLE exceeded 45 days in transport (transport times based on generator and first transporter signature dates were 59 days, 56 days, and 54 days, respectively).

During review of accumulation area weekly inspection logs, the inspection team noted that, of the logs reviewed in the conference room, log entries were missing for the weeks of 12/5/2022, each week of July 2022, 12/20/2021, 2/20/2023, 2/6/2023, 2/1/2023, 3/1/2023, and 5/15/2023.

Additional documentation was requested for post-inspection review as described below.

CLOSING CONFERENCE

During the closing conference, I requested copies of the contingency plan, quick reference guide, and training records. I said I would follow up with an email requesting copies of specified designated facility-signed manifests. I also stated concern regarding the 1011 Storage waste closet central accumulation area for a period longer than 90 days missing weekly inspection logs. Some containers stored in the area that were not marked with the words hazardous waste, with an indication of the hazard and with an accumulation start date, and concern regarding certain satellite accumulation area containers not marked with the words hazardous waste and with an indication of the hazard.

POST-INSPECTION DOCUMENTATION RECEIVED

After the inspection, I requested by email designated facility-signed copies of the following manifests (list compiled during the inspection as a spot-check that the signed copies have been received): 017110807FLE, 017110844FLE, 017110655FLE, 017110798FLE, 017110641FLE, 017110637FLE, 017109546FLE, 017109542FLE, 017109409FLE, 017109404FLE, 017109399FLE, 017109475FLE, 017109364FLE, 017109367FLE, 017109355FLE, 017109354FLE, 017109240FLE, 017109285FLE, 016050748FLE, 016050734FLE, 016050723FLE, 016050712FLE, 015375960FLE, 016050576FLE, 017102685FLE, 016050462FLE, 016050392FLE, 015376286FLE, 015376292FLE, 015376188FLE, and 015376298FLE.

The following documentation was provided to me by email following the inspection:

- 9/6/2023:
 - Hazardous waste manifests: 015375960FLE, 015376188FLE, 015376286FLE, 015376292FLE, 015376298FLE, 016050392FLE, 016050462FLE, 016050576FLE, 016050712FLE, 016050723FLE, 016050734FLE, 016050748FLE, 017102685FLE, 017109240FLE, 017109285FLE, 017109354FLE, 017109355FLE, 017109364FLE, 017109367FLE, 017109399FLE, 017109404FLE, 017109409FLE, 017109542FLE, 017109546FLE, 017110637FLE, 017110641FLE, 017110655FLE, and 017110798FLE.
 - An explanation that manifests 017110807FLE and 017110844FLE would be provided when the designated facility-signed copy was received, and an explanation that the shipment associated

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with manifest 017109475FLE was still in transport, that UDEQ had been notified about the delay, and that the transporter had explained that the delay was due to the incinerator disposal facility cancelling the scheduled delivery.

- A copy of a 30-day hazardous waste storage extension request submitted to Utah DEQ.
 - A spreadsheet tracking system to be used for hazardous waste manifests for internally identifying when exception report notifications are to be submitted.
 - Training tracker spreadsheets and training records.
 - Copies of the QRG and EAP/Contingency Plan.
 - Photographs with narratives describing changes implemented following the inspection related to the 1011 Storage waste closet central accumulation area, certain satellite accumulation areas, and a screenshot of the updated facility name in the RCRAInfo database, see Attachment 2 – Facility Correspondence: Photos of Changes and Improvements. This documentation appears to demonstrate that hazardous waste stored in the 1011 Storage waste closet central accumulation area is segregated into containers that are marked with the words “Hazardous Waste,” an indication of the hazards, and marked with an accumulation start date. The documentation also shows new satellite accumulation area labels that are marked with the words “Hazardous Waste” and with a pre-printed selection of indications of the hazards for users to circle the applicable hazard classification.
 - An explanation regarding aerosol can disposal.
 - Facility maps with fire extinguishers, spill stations, emergency exits, and other safety related equipment identified.
- 2/15/2024:
 - Hazardous waste manifests: 017110807FLE and 017110844FLE.

ADDITIONAL POST-INSPECTION RECORD REVIEW

Based on a post-inspection review of RCRAInfo e-Manifest data, it appears that waste documented on 1) hazardous waste manifest 017109475FLE was in transit from 3/10/2023 to 10/9/2023, a total transportation time of 213 days, 2) hazardous waste manifest 017109476FLE was in transit from 3/10/2023 until 10/10/2023, a total transportation time of 214 days, and 3) hazardous waste manifest 016050355FLE was in transit from 12/22/2021 until 5/2/2022, a total transportation time of 134 days (Attachment 3 – Manifests 017109475FLE, 017109476FLE, and 016050355FLE).

Hazardous waste generators that operate in LQG status are required to submit exception reports within 45 days of shipment for manifests for which they have not received the designated facility-signed copy, and bioMérieux has submitted to the EPA documentation, including a hazardous waste manifest tracker spreadsheet, indicating that a procedure to flag such manifests has been implemented. As discussed in the Federal Register at 45 FR 12728, the generator of hazardous waste is responsible for determining where the waste will be disposed of and ensuring that it gets there.

INSPECTION FOLLOW-UP

Details regarding requested follow-up will be included in correspondence to the facility, as appropriate.

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SIGNATURES

Annette Maxwell, Inspector

Kristin McNeill, Supervisor
RCRA Enforcement Section
Enforcement and Compliance Assurance Division

ATTACHMENT LIST

Attachment 1 – Photograph Log

Attachment 2 – Facility Correspondence: Photos of Changes and Improvements

Attachment 3 – Manifests 017109475FLE, 017109476FLE, and 016050355FLE

Attachment 1 – Photograph Log

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ATTACHMENT 1 – PHOTO LOG

Photographer: Annette Maxwell

Camera Model and ID: Nikon Coolpix S7000, B00228

Photo 1: DSCN2152.jpg – photo of an SAA in the engineering lab. The 5-gallon container was marked with the words “Hazardous Waste” but not with an indication of the hazards.



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Photo 2: DSCN2153.jpg – photo of hazardous waste stored in the 1011 Storage waste closet 90-day central accumulation area. The three yellow bins were marked with accumulation start date 3/17/2023. The clear bin at left-center was not marked with an accumulation start date.



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Photo 3: DSCN2154.jpg – photo of hazardous waste in the same area as that shown in photo 2, panned left from photo 2.



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Photo 4: DSCN2155.jpg – photo of the same area as that shown in photos 2 and 3.



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Photo 5: DSCN2156.jpg – photo of a 55-gallon drum of hazardous waste in 1220 Tank Room 3, equipped with tubing leading to overhead ducting, and to a PRD marked RVD025V-PV.



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Photo 6: DSCN2157.jpg – photo of labels on the drum shown in photo 5.



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Photo 7: DSCN2158.jpg – photo of an emergency contacts call list posted inside of Tank Room 1. Photo redacted to remove personally identifiable information including cell phone numbers.

Emergency Contacts Call List

East Campus Buildings	West Campus Buildings
515 Colorow	1001 South Manufacturing
415 Bearcat	1201 South Admin
650 Komat	West Warehouse

➤ Start with the first name listed, if no answer – call the second number and then the third and fourth number if necessary.

Building Facilities Emergency Call List (gas leak, power outage, sounding alarm)

East Campus	West Campus
First Call	First Call
Second Call	Second Call
Third Call	Third Call
Fourth Call	Fourth Call
Swing Shift	Swing Shift
Night Shift	Night Shift
Weekends	Weekends
Weekend Nights	Weekend Nights

Medical or Injury Emergency Call List

East Campus	West Campus
First Call	First Call
Second Call	Second Call
Third Call	Third Call
Swing Shift	Swing Shift
Night Shift	Night Shift
Weekends	Weekends

Chemical Spill Call List

East Campus	West Campus
First Call	First Call
Second Call	Second Call
Third Call	Third Call
Swing Shift	Swing Shift
Night Shift	Night Shift
Weekends	Weekends

8.23.2023 14:12

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Photo 8: DSCN2159.jpg – photo of an approximately 5-gallon can located inside a flammable cabinet near the R&D Project Shop.



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Photo 9: DSCN2160.jpg – photo of a service request-waste disposal order for manifest 017109240FLE.

AET Environmental 3653 S. 700 W., Unit B, Salt Lake City, UT 84119
801.285.3507

Service Request-Waste Disposal Order

Reference # _____

MANIFEST#: 017109240FLE

REP: UTR000014001 Email: Wade.VESILKA@biofiredx.com Contact: Wade Veselka Taken by: MC

EPAID# UTR000014001 Date: _____

BIOFIRE DIAGNOSTICS
515 COLOROW DRIVE
SALT LAKE CITY, UT 84108
Phone: 801-736-6354

Name: _____ Ship From: _____
Address: _____
Phone: _____

Container #	Size	Description	Profile	Unit Price	TOTAL
4	55G	Waste Flammable Liquid (Closed Poly)	PQ-210825-020-F	\$277.20	
3	55G	Materials / Containers: Poly Closed Top Drum		\$144.00	

Additional Charges	QTY	Cost	Total
Transportation per Drum (less than 55G)	4	\$55.00	
Transportation per Drum (55G)	1	\$95.00	
EPA E-Manifest Fee		\$25.00	

Estimated Cost for Load (please wait for invoice)

Customer Signature: Spencer Henderson Date: 12/19/22

Print: Spencer Henderson

Blanket waiver: Pursuant to 40 CFR 263.21(f)(3)(i), generator authorizes AET to work as our agent for purposes of overseeing the routing of shipments on our behalf. AET may add or substitute another transporter for efficiency, safety and emergencies. This authorization shall remain in effect until AET receives written notification of its revocation.

Person signing for the customer warrants to have authority to sign and acknowledges that transportation of this shipment and the terms and conditions are agreed to: 1) Disposal acceptance and pricing is subject to final analysis at TSDF. Surcharges may be assessed. 2) Payment to AET for services/materials are due upon receipt of invoice. 3) Invoices 30 days past due are subject to 2% per month interest. 4) Generator agrees to pay service charges accruing at the rate of 2% per month. The above terms and conditions constitute a valid contract.

8.23.2023 15:10

Facility Name: bioMérieux, Inc. (UTR000014001)

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Photo 10: DSCN2161.jpg – photo of hazardous waste manifest 015376125FLE.

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: UTR000014001

2. Page 1 of 1

3. Emergency Response Phone: 800-636-5063

4. Manifest Tracking Number: 015376125 FLE

5. Generator's Name and Mailing Address: 515 COLOROW DRIVE, SALT LAKE CITY, UT 84108

6. Generator's Phone: 801-790-4354

7. Generator's Site Address (if different than mailing address):

8. Transporter 1 Company Name: ARD981057870

9. Transporter 2 Company Name:

10. Designated Facility Name and Site Address: 1007 Viduan Road, Blandon, PA 17815

11. Facility's Phone: 800-377-4992

12. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group, if any): 1. UN1003, WASTE FLAMMABLE LIQUIDS, N.O.S. (Acetonitrile, Methanol) s, PCB

13. Containers: 3 DF

14. Total Quantity: 11.5 G

15. Waste Codes: F003 F005 D001

16. Special Handling Instructions and Additional Information: 01: Synthesizer w/THF 163345-2 (PF: 163345-2) OF 65 G

17. Emergency Contact: BIFOTRACT2952

18. GENERATOR'S OFFICER'S CERTIFICATION: I hereby declare that the contents of this manifest are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/packaged, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I report shipment and I am the Primary.

19. Generator's Signature: [Signature]

20. Transporter's Signature: [Signature]

21. Date: 8/23/23

22. Discrepancy: [] Quantity [] Type [] Residue [] Partial Rejection [] Full Rejection

23. Alternate Facility (or Generator): []

24. Facility's Phone: []

25. Signature of Alternate Facility (or Generator): []

26. Hazardous Waste Report Management Method Codes (i.e. codes for hazardous waste treatment, disposal, and recycling systems): []

27. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a: []

28. Signature: []

29. Date: 8/23/23

30. EPA Form 3540-22 (Rev. 12-17) Previous editions are obsolete.

31. GENERATOR'S INITIAL COPY

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Photo 11: DSCN2162.jpg – photo of the same hazardous waste manifest shown in photo 10 after a second transporter was added.

Photo print or type.

Form Approved: OMB No. 2050-0039

1. Generator ID Number: UTR000014001

2. Page 1 of 1

3. Emergency Response Phone: 800-536-5055

4. Manifest Tracking Number: 015376125

5. FLE

6. Generator Name and Mailing Address: BIO MERIEUX, INC. 515 COLOROW DRIVE SALT LAKE CITY, UT 84108

7. Generator's Site Address (if different than mailing address):

8. Transporter 1 Company Name: HET Environmental, Inc. UT

9. Transporter 2 Company Name: Savannah Transport Inc

10. Designated Facility Name and Site Address: HANSON Chemical Industries 1000 Vulcan Road Bldg. 200 Salt Lake City, UT 84108

11. U.S. EPA ID Number: ARD98105780

12. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number): UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (Acetonitrile, Methylated) 2, PGH

13. Containers: 3 DF

14. Total Quantity: 165

15. Unit: G

16. Waste Codes: F003, F005, D001

17. Special Handling Instructions and Additional Information: 01: Synthesizer w/HF 165345-2 (PF: 165345-2) OF 55 G

18. Emergency Contact: INFOTRAC7262

19. GENERATOR/SIGNER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

20. Generator's/Signer's Printed/Typed Name: Wade Veselka

21. Signature: [Signature]

22. Month: 8, Day: 21, Year: 2021

23. International Shipments: ☐ Import to U.S. ☐ Export from U.S.

24. Port of entry/exit: Date leaving U.S.

25. Transporter Acknowledgment of Receipt of Materials: [Signature]

26. Transporter 1 Printed/Typed Name: Chris Nutt

27. Transporter 2 Printed/Typed Name: Kerry Crawford

28. Signature: [Signature]

29. Month: 8, Day: 16, Year: 2021

30. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

31. Designated Facility (or Generator):

32. Facility's Phone:

33. U.S. EPA ID Number:

34. Month: 8, Day: 23, Year: 2023

35. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems): 061

36. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

37. Signature: [Signature]

38. Month: 8, Day: 23, Year: 2023

39. EPA Form 6700-22 (Rev. 12-17) Previous editions are obsolete.

40. DESIGNATED FACILITY TO GENERATOR

Attachment 2 – Facility Correspondence: Photos of Changes and Improvements

Changes/Improvements related to 8/23/2023 EPA Inspection

bioMerieux
515 Colorow Drive
Salt Lake City, UT

2nd Floor waste closet labeled “Central Accumulation Area” (CAA)



Addition of weekly inspection logs of 2nd floor waste closet CAA

BIOMÉRIEUX

Weekly Hazardous Waste Inspection Log (LQG)

515 - Rm 1011 Central Accumulation Area (CAA)

Month: September Year 2023

HSE DOC#

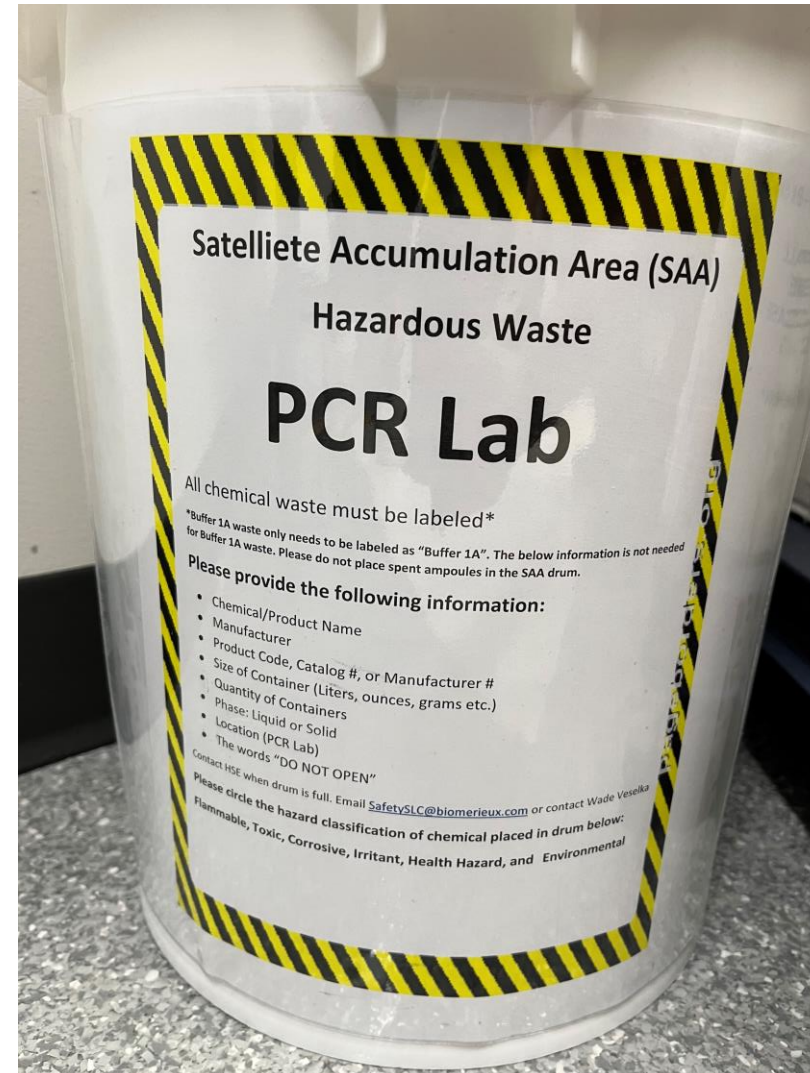
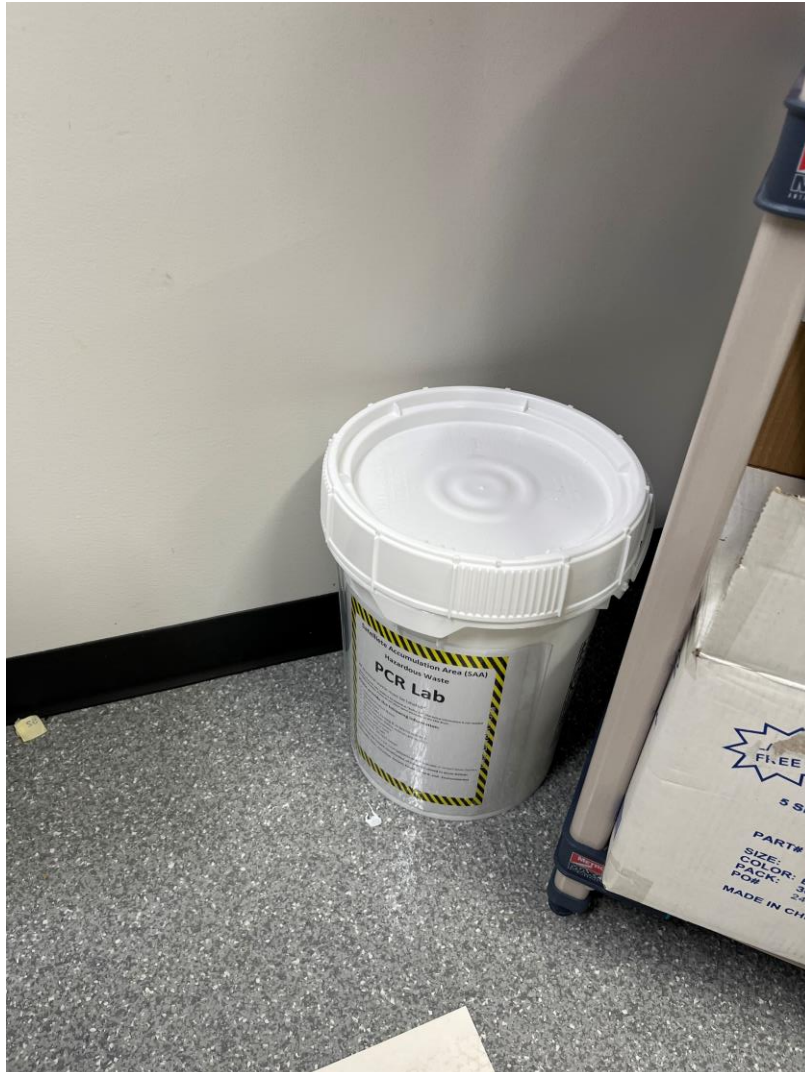
Record any problems observed; document how they were corrected and the date of correction in the comments box. Additional sheets may be attached as needed.

DATE 9/11/23							If any columns are marked NO describe what was done to correct it.	
Are containers properly labeled with the words HAZARDOUS WASTE?	☒ Yes	☐ No	Yes	No	Yes	No	Yes	No
Are containers in good condition and free of leaks?	☒ Yes	☐ No	Yes	No	Yes	No	Yes	No
Are containers properly labeled?	☒ Yes	☐ No	Yes	No	Yes	No	Yes	No
Are all hoses, bungs, bung rings, and fittings in good working order and no leaks observed?	☒ Yes	☐ No	Yes	No	Yes	No	Yes	No
Is the Accumulation Start Date marked and less than 90 days old?	Yes	☒ No	Yes	No	Yes	No	Yes	No
INSPECTORS INITIALS	RL						WASTE STORED > 90 DAYS PICKUP DELAYED EXTENSION FILED REVIEWING ALTERNATIVES	

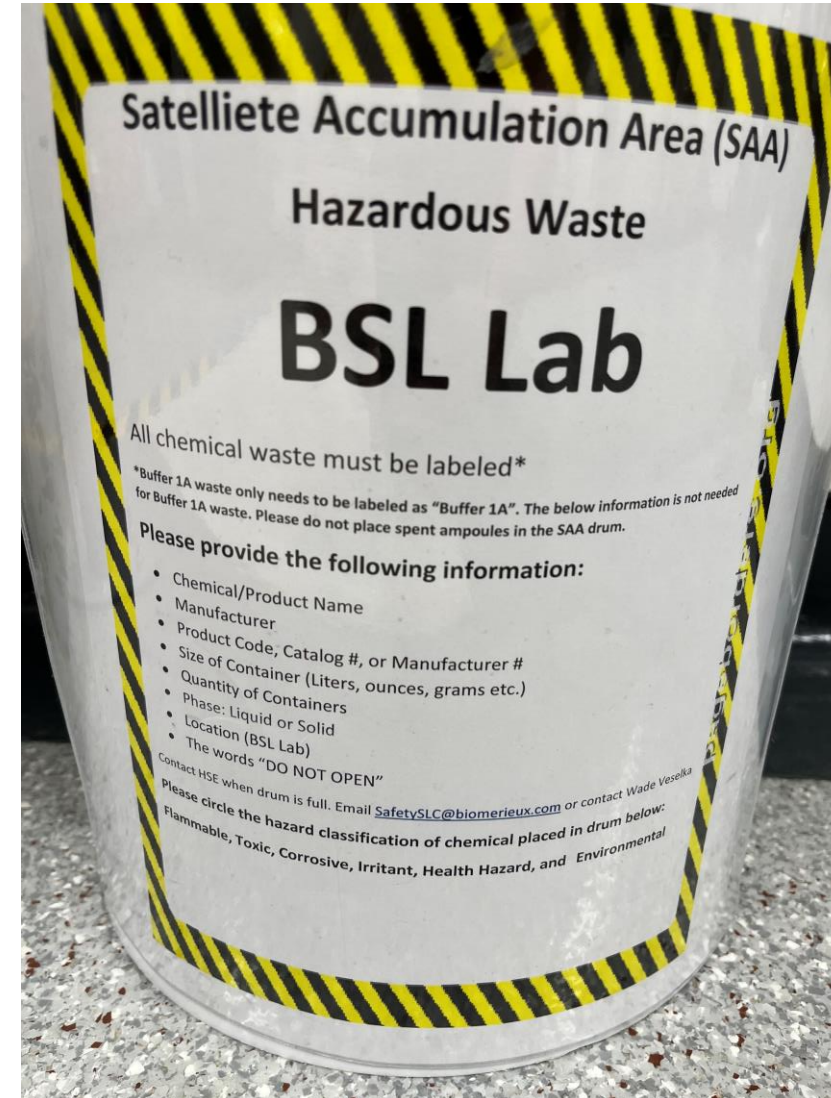
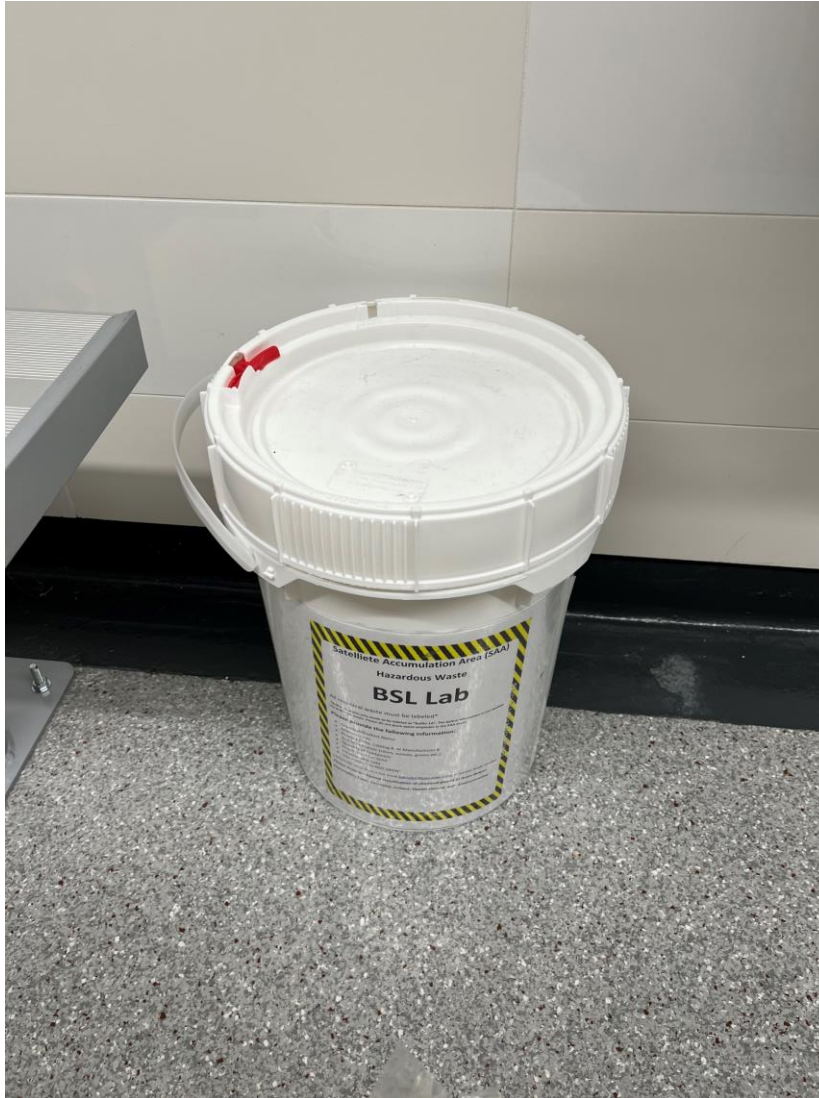
Hazardous chemicals in 2nd floor SAA moved to waste bins and properly labeled with the words “hazardous waste” and its chemical hazard type



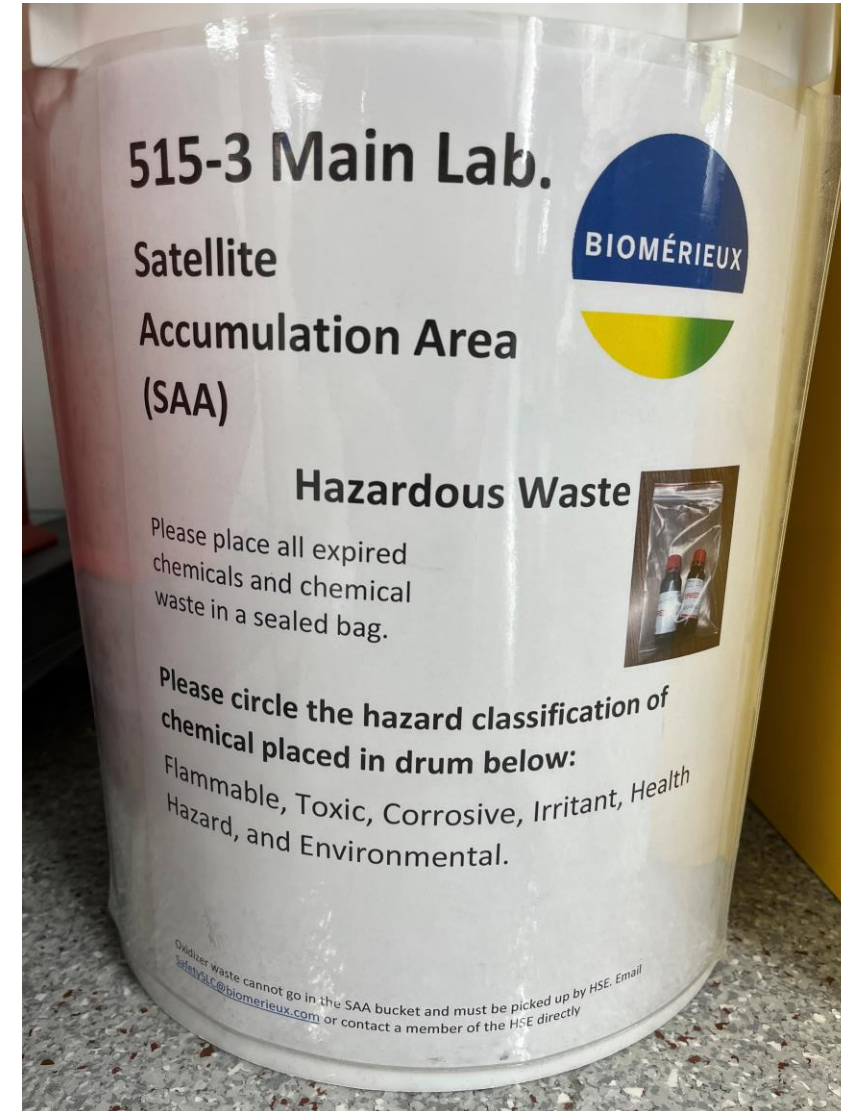
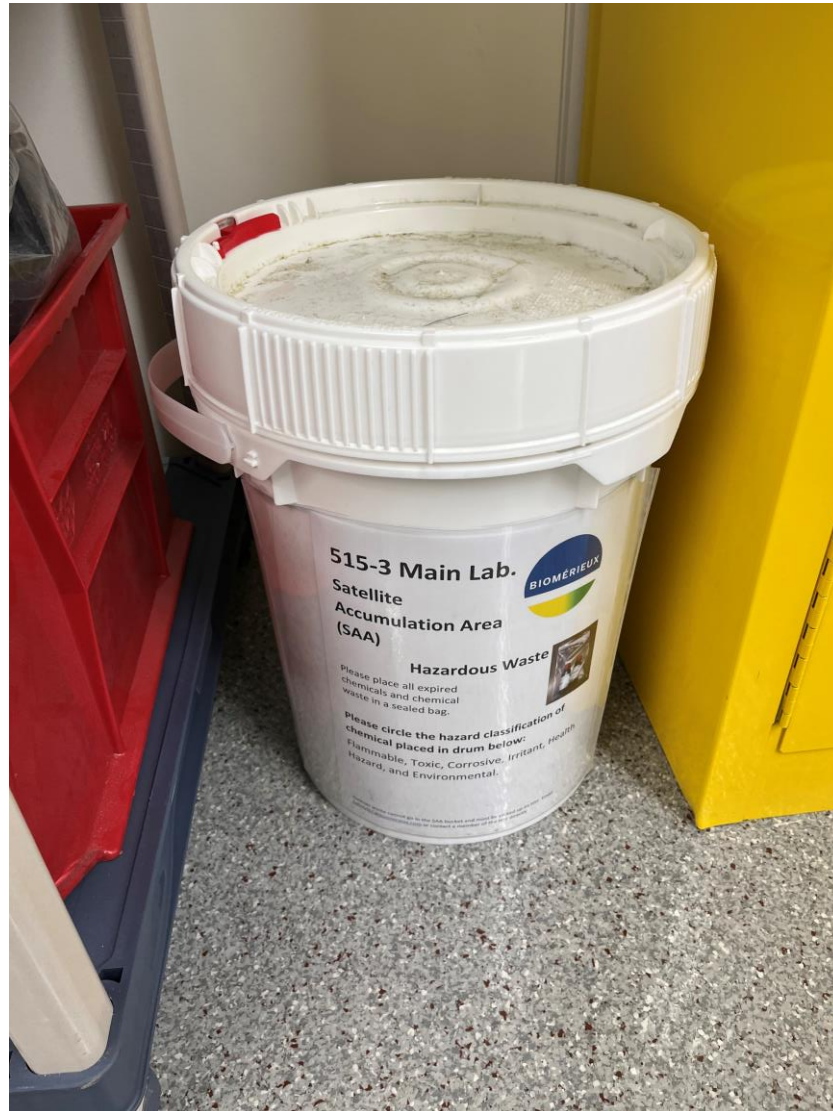
Satellite Accumulation Area (SAA) properly labeled to include the words “hazardous waste” and the corresponding waste hazard classification



Satellite Accumulation Area (SAA) properly labeled to include the words “hazardous waste” and the corresponding waste hazard classification



Satellite Accumulation Area (SAA) properly labeled to include the words “hazardous waste” and the corresponding waste hazard classification



IPA waste container with proper labeling



EPA ID Site Name change from BioFire Diagnostics to bioMerieux

Site ID	Site Name	Gen Status	Address	City	State	County	Permission Status
UTR000014001	BIOMERIEUX	LQG	515 COLOROW DRIVE	SALT LAKE CITY	UT	SALT LAKE	Active

Attachment 3
Manifests 017109475FLE,
017109476FLE, and 016050355FLE

rum 857396

Set# 2304559827

TO 260111949

Form Approved, OMB No. 2050-0039

UHM HAZARDOUS WASTE MANIFEST		1. Generator's Name and Mailing Address UT 000001627	2. Page 1 of 3	3. Emergency Response Phone 801-323-8100	4. Manifest Tracking Number 017109475 FLE			
5. Generator's Name and Mailing Address BIG FIRE DIAGNOSTICS 1590 SOUTH 5200 WEST SALT LAKE CITY, UT 84104 Generator's Phone:								
6. Transporter 1 Company Name AET Environmental, Inc. UT				U.S. EPA ID Number UTR000000505				
7. Transporter 2 Company Name AET Environmental				U.S. EPA ID Number COR060009456				
8. Designated Facility Name and Site Address CLEAN HARBORS ENVIR SVS. INC - Aragonite 11600 NORTH APTUS ROAD GRANTSVILLE, UT 84029 Facility's Phone: 801-323-8100				U.S. EPA ID Number UTD981552177				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.	UN3082, Environmentally hazardous substances, liquid, n.o.s., 8, PG III, ERG 171	1		DF	5	P	
	2.	UN1993, Waste Flammable liquids, n.o.s., 3, PG III, ERG 128	1		DF	5	G	B001
	3.	UN1760, Waste Corrosive liquids, n.o.s., 8, PG III, ERG 154	1		DF	5	G	B002
	4.							
14. Special Handling Instructions and Additional Information 01: (LCCRC) 021323-03 DF 5 G 1x50L 02: (LCCRD) 021323-04 - CC7960-SP DF 5 G 1x50L 03: (LCCRC) 021323-05 DF 5 G 1x50L Emergency Contact: INFOTRAC 72952								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name Chris Nuth (on Behalf of Gen)		Signature [Signature]		Month Day Year 3 10 23				
TRANSPORTER	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Transporter signature (for exports only):		Place of entry/exit: Date leaving U.S.					
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Chris Nuth		Signature [Signature]		Month Day Year 3 10 23			
	Transporter 2 Printed/Typed Name Chris Nuth		Signature [Signature]		Month Day Year 3 20 23			
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
	Manifest Reference Number:							
	18b. Alternate Facility (or Generator) Facility's Phone:							
	18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. H040		2. H040		3. H040		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Charles Jo Deppen		Signature [Signature]		Month Day Year 10 09 23				

Form Approved. OMB No. 2050-0039

DESIGNATED FACILITY

DESIGNATED FACILITY

Please print or type.

Drum 851394

SO 2304559827

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21. Generator ID Number

UTR000001628

22. Page

4

23. Manifest Tracking Number

017109475

FILE

24. Generator's Name

Bio Free Diagnostics

25. Transporter 7

Company Name

AET Environmental

U.S. EPA ID Number

60R00009456

26. Transporter 8

Company Name

AET Environmental

U.S. EPA ID Number

UTR00000505

27a. HM

27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

28. Containers

No.

Type

29. Total Quantity

30. Unit Wt./Vol.

31. Waste Codes

GENERATOR

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 7

Acknowledgment of Receipt of Materials

Printed/Typed Name

Chris Nutt

Signature

[Signature]

Month Day Year
5 9 23

34. Transporter 8

Acknowledgment of Receipt of Materials

Printed/Typed Name

Chris Nutt

Signature

[Signature]

Month Day Year
5 9 23

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

[illegible]

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Form Approved, OMB No. 2050-0039

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Drum 857396 SO 2304559827

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21. Generator ID Number

UTP0000001627

22. Page

8

23. Manifest Tracking Number

017109475

FLE

24. Generator's Name

Bio Fire Diagnostics

25. Transporter 15 Company Name

AET Environmental

U.S. EPA ID Number

NVR000084780

26. Transporter 16 Company Name

AET Environmental

U.S. EPA ID Number

COR000009456

27a. HM 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

28. Containers

No.

Type

29. Total Quantity

30. Unit Wt./Vol.

31. Waste Codes

GENERATOR

32. Special Handling Instructions and Additional Information

TRANSPORTER
DESIGNATED FACILITY

33. Transporter 15 Acknowledgment of Receipt of Materials

Printed/Typed Name

Chris Nott

Signature

[Signature]

Month Day Year

7 28 23

34. Transporter 16 Acknowledgment of Receipt of Materials

Printed/Typed Name

Chris Nott

Signature

[Signature]

Month Day Year

8 7 23

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

Form Approved, OMB No. 2050-0039

DESIGNATED FACILITY TO EPA'S e-MANIFEST SYSTEM

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

SO 2304559827

Please print or type.

Pb 20011949

Form Approved. OMB No. 2050-0039

[illegible]

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

For Wastes Subject to the Treatment Standards Found in 40 CFR 268

Generator Name: BIO FIRE DIAGNOSTICS

Order:434384

Manifest

No:017109475FLE

WW	NWW	Approval #	EPA Waste Codes / Underlying Hazardous Constituents	LDR Code
☐	☐	LCCRC	/ N/A	N/A
☐	☒	LCCRD	D001 / N/A	H
☐	☐	LCCRC	D002 / N/A	H

LDR CODE

A. Restricted Waste Meets Treatment Standards (40 CFR 268.7(a) (3))

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40 CFR 268.49 and can be landfill disposed without further treatment. I have attached all supporting analytical data, where available. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

B. Restricted Waste Treated To Treatment Standards (40 CFR 268.7(b) (1) and 268.7 (b) (2))

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45. I have attached all supporting analytical data, where available.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

C. Restricted Waste With Technology Based Treatment Standards (40 CFR 268.7(b) (4))

I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40, without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

D. Restricted Waste Decharacterized But Requires Treatment For UHC (40 CFR 268.9)

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains Underlying Hazardous Constituents (UHC) that require further treatment to meet the universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

E. Restricted Waste Subject To Treatment (40 CFR 268.7(a) (2))

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d). I have attached all supporting analytical data, where available.

F. Hazardous Debris Subject To Treatment (40 CFR 268.45)

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

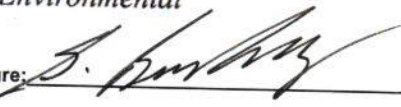
G. Restricted Waste Subject To A Variance or Extension (40 CFR 268.7(a) (4))

This restricted waste identified above is subject to a case by case exemption under 40 CFR 268.5, an exemption under 40 CFR 268.6 or a nationwide capacity variance under Subpart C of 40 CFR 268, and is not prohibited from land disposal. LDR prohibitions become effective on _____ (date) for this restricted waste. The corresponding treatment standard(s) are promulgated in 40 CFR 268.40. I have attached all supporting analytical data, where available.

H. Restricted Waste Managed In A "Lab Pack" (40 CFR 268.7(a) (9))

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste that have been excluded under appendix IV to 40 CFR Part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: 

Title: HSE SLP.

Date: 3.9.23

Drum # 857399

SO # 2304599813

Please print or type.

PO 200111950

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number UTR000014001		2. Page 1 of 1		3. Emergency Response Phone 800-538-5053		4. Manifest Tracking Number 017109476 FLE				
5. Generator's Name and Mailing Address BIO FIRE DIAGNOSTICS 515 COLOROW DRIVE SALT LAKE CITY, UT 84108 Generator's Phone: 801-736-6354						Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name AET Environmental, Inc. UT						U.S. EPA ID Number UTR000000505						
7. Transporter 2 Company Name AET Environmental						U.S. EPA ID Number CORC000089456						
8. Designated Facility Name and Site Address CLEAN HARBORS ENVIRO SVS, INC - Aragonite 11600 NORTH APTUS ROAD GRANTSVILLE, UT 84029 Facility's Phone: 801-323-8100						U.S. EPA ID Number UTD981552177						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						No.	Type					
	X	1. UN1993, Waste Flammable liquids, n.o.s., 3, PG III, ERG 128				1	DF	55	P	D001		
	X	2. UN1760, Waste Corrosive liquids, n.o.s., 8, PG III, ERG 154				1	DF	5	G	D002		
	X	3. UN3082, Environmentally hazardous substances, liquid, n.o.s., 9, PG III, ERG 171				1	DF	30	P			
	4.											
14. Special Handling Instructions and Additional Information 01: (LCCRD) 021323-07 CC79548-SP DF 15 G 02: (LCCRC) 021323-08 DF 5 G X1 X550F 03: (LCCRC) 021323-09 DF 30 G X1 X300F Emergency Contact: INFOTRAC 72952												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's Offeror's Printed/Typed Name Adam Nelson						Signature 		Month Day Year 3 10 23				
INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:											
	Transporter signature (for exports only):											
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials											
	Transporter 1 Printed/Typed Name Chris Natto						Signature 		Month Day Year 3 10 23			
	Transporter 2 Printed/Typed Name Chris Natto						Signature 		Month Day Year 3 20 23			
DESIGNATED FACILITY	18. Discrepancy											
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection											
	Manifest Reference Number:											
	18b. Alternate Facility (or Generator) U.S. EPA ID Number											
	Facility's Phone:											
	18c. Signature of Alternate Facility (or Generator) Month Day Year											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.		2.		3.		4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name						Signature		Month Day Year				

Form Approved, OMB No. 2050-0039

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Form Approved. OMB No. 2050-0039

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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Form Approved. OMB No. 2050-0039

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number UTR000014001	22. Page 9	23. Manifest Tracking Number 017109476 FLE	
24. Generator's Name Bio Fire Diagnostics					
25. Transporter 17 Company Name AET Environmental			U.S. EPA ID Number UTR030000505		
26. Transporter 18 Company Name AET Environmental			U.S. EPA ID Number NVRC000084780		
GENERATOR ↓	27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity
			No.	Type	30. Unit Wt./Vol.
31. Waste Codes					
T P G					
32. Special Handling Instructions and Additional Information					
TRANSPORTER ↓	33. Transporter ☒ Acknowledgment of Receipt of Materials				
	Printed/Typed Name Chris Nuth		Signature CK		Month Day Year 8 17 23
	34. Transporter 18 Acknowledgment of Receipt of Materials				
	Printed/Typed Name Chris Nuth		Signature CK		Month Day Year 8 27 23
DESIGNATED FACILITY ↓	35. Discrepancy				
	36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)				

Form Approved. OMB No. 2050-0039

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

SD 2304559813

PO 20011950

Form Approved, OMB No. 2050-0039

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM



LAND DISPOSAL RESTRICTION NOTIFICATION FORM

For Wastes Subject to the Treatment Standards Found in 40 CFR 268

Generator Name: BIO FIRE DIAGNOSTICS

Order:434407

Manifest

No:017109476FLE

WW	NWW	Approval #	EPA Waste Codes / Underlying Hazardous Constituents	LDR Code
☐	☐	LCCRD	D001 / N/A	H
☐	☒	LCCRC	D002 / N/A	H
☐	☐	LCCRC	/ N/A	N/A

LDR CODE

A. Restricted Waste Meets Treatment Standards (40 CFR 268.7(a) (3))

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40 CFR 268.49 and can be landfill disposed without further treatment. I have attached all supporting analytical data, where available. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

B. Restricted Waste Treated To Treatment Standards (40 CFR 268.7(b) (1) and 268.7 (b) (2))

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45. I have attached all supporting analytical data, where available.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

C. Restricted Waste With Technology Based Treatment Standards (40 CFR 268.7(b) (4))

I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40, without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

D. Restricted Waste Decharacterized But Requires Treatment For UHC (40 CFR 268.9)

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains Underlying Hazardous Constituents (UHC) that require further treatment to meet the universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

E. Restricted Waste Subject To Treatment (40 CFR 268.7(a) (2))

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d). I have attached all supporting analytical data, where available.

F. Hazardous Debris Subject To Treatment (40 CFR 268.45)

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

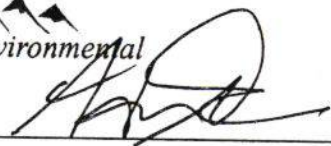
G. Restricted Waste Subject To A Variance or Extension (40 CFR 268.7(a) (4))

This restricted waste identified above is subject to a case by case exemption under 40 CFR 268.5, an exemption under 40 CFR 268.6 or a nationwide capacity variance under Subpart C of 40 CFR 268, and is not prohibited from land disposal. LDR prohibitions become effective on _____ (date) for this restricted waste. The corresponding treatment standard(s) are promulgated in 40 CFR 268.40. I have attached all supporting analytical data, where available.

H. Restricted Waste Managed In A "Lab Pack" (40 CFR 268.7(a) (9))

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste that have been excluded under appendix IV to 40 CFR Part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: 

Title: HSE Pro

Date: 3/10/23

Page of

CONTAINER NUMBER: 021323-08

PROFILE NUMBER: 10000

LCRC

1000

□

[illegible]

LAB PACK INVENTORY

Page _____ of _____

GENERATOR: **Bio Fire Diagnostics 515 (B123432)**
 DOT SHIPPING DESCRIPTION: **Waste Flammable Liquids NOS**

PRIMARY DOT HAZARD CLASS: **3**
 DOT IDENTIFICATION NUMBER: **UN1993**
 DOT ADDITIONAL DESCRIPTORS: _____

CONTAINER NUMBER: **021323-07**
 PROFILE NUMBER: **CC79548-SP**
 MANIFEST NUMBER: **LCERD**
 DATE PACKED: _____

PRIMARY DOT LABEL
☒ 3 ☐ 4.1 ☐ 4.2 ☐ 4.3
☐ 5.1 ☐ 5.2 ☐ 6.1 ☐ 8 ☐ 9

SUBSIDIARY DOT LABEL (IF ANY)
☐ 3 ☐ 4.1 ☐ 4.2 ☐ 4.3
☐ 5.1 ☐ 5.2 ☐ 6.1 ☐ 8 ☐ 9

PACKING MEDIUM
☒ Vermiculite ☐ Clay Based ☐ Sawdust
☐ Corn Cob (Silk) ☐ Other (Specify) _____

ITEM	DESCRIPTION All items must be 100% identified with all components and concentrations listed.	S L or G	QTY	PRIMARY HAZARD CLASS	SUB. HAZARD CLASS	PG I II III	LAND DISPOSAL RCRA WASTE CODE	SUB- CATEGORY CODE	F-SOLVENT or UHC CODES	WW NWW	T-1 USE ONLY T CODE	ROUTE
1	Methanol	L	1 x 4 L	3			D001					
2	PST-5680 (acetone/nitrite)	S	1 x 50 grams	3			D001					
3	HYDRANAL Coulomat AG-Oven (methanol, propane-1,2-diol, Diethanolamine, Imidazole, Sulphur Dioxide, 1H-Imidazole monohydrate)	L	4 x 500 ml	3			D001					

Page _____ of _____

CONTAINER NUMBER: 021323-09

PROFILE NUMBER: LC008

CONTAINER SIZE: 30 GAL

MANIFEST NUMBER:

PG: CONTAINER TYPE: **DF**

DATE PACKED: _____

PRIMARY DOT LABEL

SUBSIDIARY DOT LARUE (FEANY)

PACIFIC MEDICAL

☐ 3 ☐ 4.1 ☐ 4.2 ☐ 4.3

34.1

4.2 4.3

☐ 5.1 ☐ 5.2 ☐ 6.1 ☐ 8 ☒ 9

□ 5.1 □ 5.2

6.1 8

☒ Vermiculite☐ Clay Based☐ Sawdust☐ Corn Cob (Slikwík)☐ Other (Specify) _____[illegible]

KPI9220013

2108621097

V22050599

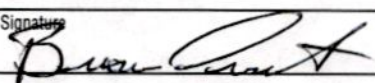
Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number UTR000014001	2. Page 1 of 2	3. Emergency Response Phone 800-535-5053	4. Manifest Tracking Number 016050355 FLE	
5. Generator's Name and Mailing Address BIO FIRE DIAGNOSTICS 515 COLOROW DRIVE SALT LAKE CITY, UT 84108			Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name AET Environmental, Inc. UT			U.S. EPA ID Number UTR000000505			
7. Transporter 2 Company Name MP ENVIRONMENTAL SERVICES, INC.			U.S. EPA ID Number UTR000000505			
8. Designated Facility Name and Site Address Verde ES Technical Solutions LLC Hwy 73, 3.5 miles W of Taylors Bayou Port Arthur, TX 77640			U.S. EPA ID Number TXD000838896			
9a. HM			9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type	11. Total Quantity
1. UN2789, Waste Acetic acid, glacial, 8 (3), PG II, ERG 132 LCCRC			01 DF		55	12. Unit G
2. UN2672, Waste Ammonia solution, 8, PG III, ERG 154 LCCRB			01 DF		05	13. Waste Codes D001 D002
3. UN3265, Waste Corrosive liquid, acidic, organic, n.o.s., 8, PG II, ERG 153			01 DF		05	D002
4. UN1789, Waste Hydrochloric acid, 8, PG II, ERG 157 CTA49-50 - LCCRA			01 DF		05	D002
14. Special Handling Instructions and Additional Information 01: 122421-01 (PF: 1071886) DF 10 G 55G x1 02: 122421-02 (PF: 1071886) DF 10 G 55G x1 03: 122421-03 (PF: 1071886) DF 10 G 55G x1 04: 122421-04 (PF: 1071886) DF 10 G 55G x1						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offers Printed/Typed Name Adam Nelson			Signature <i>Adam Nelson</i>		Month Day Year 12/22/21	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Ryan Fergusan			Signature <i>Ryan Fergusan</i>		Month Day Year 12/22/21	
Transporter 2 Printed/Typed Name LUCIANO SALAZAR			Signature <i>Luciano Salazar</i>		Month Day Year 05/02/22	
18. Discrepancy						
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H040		2. H040		3. ---		4. H040
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Thomas Clark			Signature <i>Thomas Clark</i>		Month Day Year 15/5/22	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number UTR000014001	22. Page 2	23. Manifest Tracking Number 016050355			
24. Generator's Name BIO FIRE DIAGNOSTICS 515 COLOROW DRIVE							
25. Transporter SALT LAKE CITY, UT 84108 AET Environmental			U.S. EPA ID Number COR000009456				
26. Transporter _____ Company Name U.S. EPA ID Number							
GENERATOR	27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity		
			No.	Type	30. Unit Wt./Vol.	31. Waste Codes	
	X	05. UN1325, Waste Flammable solid, organic, n.o.s., 4.1, PG III, ERG 133 CCCCD	01	DF	05	G	D001
32. Special Handling Instructions and Additional Information 05: 122421-05 (PF: 1071886) DF 10 G							
TRANSPORTER	33. Transporter 3 Acknowledgment of Receipt of Materials						
	Printed/Typed Name Brian Smith		Signature 		Month Day Year 5 3 22		
DESIGNATED FACILITY	34. Transporter Acknowledgment of Receipt of Materials						
	Printed/Typed Name 		Signature		Month Day Year		
35. Discrepancy							
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal and recycling systems) H040							

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

For Wastes Subject to the Treatment Standards Found in 40 CFR 268

Generator Name: BIO FIRE DIAGNOSTICS

Order:323571

Manifest No:016050355

WW	NWW	Approval #	EPA Waste Codes / Underlying Hazardous Constituents	LDR Code
☐	☒	1071886	D001, D002 / N/A	E
☐	☒	1071886	D002 / N/A	E
☐	☒	1071886	D002 / N/A <i>CB</i>	E
☐	☒	1071886	D002 / N/A	E
☐	☒	1071886	D001 / N/A	E

LDR CODE

A. Restricted Waste Meets Treatment Standards (40 CFR 268.7(a) (3))

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40 CFR 268.49 and can be landfill disposed without further treatment. I have attached all supporting analytical data, where available.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

B. Restricted Waste Treated To Treatment Standards (40 CFR 268.7(b) (1) and 268.7 (b) (2))

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45. I have attached all supporting analytical data, where available.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

C. Restricted Waste With Technology Based Treatment Standards (40 CFR 268.7(b) (4))

I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40, without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

D. Restricted Waste Decharacterized But Requires Treatment For UHC (40 CFR 268.9)

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains Underlying Hazardous Constituents (UHC) that require further treatment to meet the universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

E. Restricted Waste Subject To Treatment (40 CFR 268.7(a) (2))

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d). I have attached all supporting analytical data, where available.

F. Hazardous Debris Subject To Treatment (40 CFR 268.45)

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

G. Restricted Waste Subject To A Variance or Extension (40 CFR 268.7(a) (4))

This restricted waste identified above is subject to a case by case exemption under 40 CFR 268.5, an exemption under 40 CFR 268.6 or a nationwide capacity variance under Subpart C of 40 CFR 268, and is not prohibited from land disposal. LDR prohibitions become effective on _____(date) for this restricted waste. The corresponding treatment standard(s) are promulgated in 40 CFR 268.40. I have attached all supporting analytical data, where available.

H. Restricted Waste Managed In A "Lab Pack" (40 CFR 268.7(a) (9))

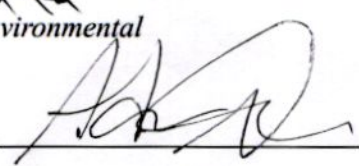
I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste that have been excluded under appendix IV to 40 CFR Part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: _____

Title: _____

Date: _____

 HSE Pro 12/22/21