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June 2, 2022

VIA EMAIL AND PRIVATE CARRIER

Matt Mueller
Oil Control Program
Land and Materials Administration
Maryland Department of the Environment
1800 Washington Boulevard, Ste. 620
Baltimore, Maryland 21230

Subject: Transmittal of the Block E Underground Storage Tank Closure Report
Lockheed Martin Corporation – Middle River Complex
2323 Eastern Boulevard, Middle River, Baltimore County, Maryland

Dear Mr. Mueller,

For your review, please find enclosed one hard copy with a CD of the above-referenced document. This report describes the removal of two underground storage tanks from Block E of the Lockheed Martin Middle River Complex in Middle River, Maryland. This tank removal was completed at Facility ID #13189 under Oil Control Program Case #22-0481BA.

If possible, we respectfully request to receive MDE's document review comments or approval by August 1, 2022.

Please let me know if you have any questions. My office phone is (301) 548-2209.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom D. Blackman", with a long horizontal flourish extending to the right.

Thomas D. Blackman
Project Lead, Environmental Remediation

cc: (via email without enclosure)
Christine Kline, Lockheed Martin
Mary Morningstar, Lockheed Martin
Tom Green, LMCPI
James Damm, LMCPI
Michael Martin, Tetra Tech
Cannon Silver, CDM Smith

Chris Keller, LMCPI {via Box}
Scott Heinlein, LMCPI {via Box}

cc: (via Secure Information Exchange or Box)
Anuradha Mohanty, MDE {via SIE}
Mark Mank, MDE {via SIE}
Bud Zahn, MRAS {via SIE}
Rina Scales, LMCPI {via Box}

**BLOCK E UNDERGROUND STORAGE TANK
CLOSURE REPORT
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND**

Prepared for:
Lockheed Martin Corporation

Prepared by:
Tetra Tech, Inc.

June 2022

Revision: _____



Michael Martin, P.G.
Regional Manager



Josh Mullis
Project Manager

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***Appendices F and G are not included in this report due to size but are available upon request.**

ACRONYMS AND ABBREVIATIONS

BTEX	benzene, toluene, ethylbenzene, and xylenes
DRO	diesel-range organics
GRO	gasoline-range organics
Lockheed Martin	Lockheed Martin Corporation
MDE	Maryland Department of the Environment
µg/kg	microgram(s) per kilogram
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MRC	Middle River Complex
OCP	Oil Control Program
ORO	oil-range organics
PCBs	polychlorinated biphenyls
PID	photoionization detector
SVOCs	semivolatile organic compounds
TCLP	toxicity characteristic leaching procedure
Tetra Tech	Tetra Tech, Inc.
TPH	total petroleum hydrocarbons
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOCs	volatile organic compounds

SECTION 1 NARRATIVE

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech Inc. (Tetra Tech) has prepared this report detailing the removal of two underground storage tanks (USTs) from Block E at the Middle River Complex (MRC) in Baltimore County at 2323 Eastern Boulevard in Middle River, Maryland (Figure 1-1). The Middle River Complex site is comprised of approximately 161 acres with 12 main buildings. Locked chain-link fences surround all exterior lots and the main industrial area. The site is bounded by Eastern Boulevard (Route 150) to the north, Dark Head Cove to the south, Cow Pen Creek to the west, and Wilson Point Road to the east (Figure 1-1).

1.1 PREVIOUS TANK REMOVALS IN BLOCK E

Investigations associated with Block E have been conducted since 1998, and include record reviews; discussions with current and former Middle River Complex personnel; geophysical surveys; and soil, sediment, and groundwater sampling. One 500-gallon underground storage tank and one 250-gallon tank were discovered in Block E on July 18–19, 2013 during installation of the groundwater remediation injection system. The two tanks (UST 1 and UST 2) and surrounding soil were removed by Lockheed Martin Corporation and Tetra Tech, Inc. on July 31, 2013 under the direction of the Maryland Department of the Environment (MDE) Oil Control Program (OCP)(Tetra Tech, 2014).

The discovery of USTs 1 and 2 led to the investigation of other anomalies in Block E in 2014, when a geophysical survey conducted by RETTEW (formerly Enviroscan, Inc.) identified 10 geophysical anomalies around the remnant concrete foundation of former Building D in Block E. Several of the anomalies had geophysical signatures indicating possible underground storage tanks. All 10 anomalies were investigated via excavation between March–April 2016, and only one tank was found. A 550-gallon underground storage tank was discovered on March 1, 2016 along the southern edge of the former Building D slab, approximately two feet below ground

surface in the area denoted as “Possible UST C” during the geophysical survey (see Figure 3 in Appendix A). This underground storage tank was removed on May 16, 2016 (Tetra Tech, 2016).

1.2 UNDERGROUND STORAGE TANKS 3 AND 4

Block E was subject to a risk-based remedial action, primarily for polychlorinated biphenyls (PCBs) and associated chlorinated benzenes, which was completed in April 2022. This extensive cleanup project was conducted in accordance with the Maryland Department of the Environment-approved *Block E Soil Remedial Action Plan* (Tetra Tech, 2019) completed under Administrative Consent Order and Settlement Agreement for the Middle River Complex (ACO-SAR-MDE0746-2015-1-01), which included demolition of the former manufacturing building foundation (Building D) and other subsurface infrastructure that remained in place after the building was razed in 1971. During removal of the former Building D foundation, in an area of the site where polychlorinated biphenyl contamination was not present, two underground storage tanks (herein referred to as USTs 3 and 4) were discovered in a concrete vault on February 14, 2022. These tanks were not shown on any available historical drawings and were previously unknown to exist; furthermore, the use of the tanks is not known. The location of the tanks within Block E is shown in Figure 1-2.

Verbal notification to the Maryland Department of the Environment Land and Materials Management Administration was made on February 14, 2022, and Matt Mueller of the Oil Control Program was assigned oversight responsibilities. The Underground Storage System Removal/Abandonment form was submitted to the Maryland Department of the Environment Oil Control Program on March 4, 2022 (Appendix A), at which time the capacity of each tank was estimated at 250 gallons. Removal of the tanks was planned for completion in April after the Block E soil remediation project completed demobilization. In the interim, the liquid contents of the tanks were removed and stored in a tank for waste characterization and disposal.

Mobilization for removal of the tanks was initiated on April 11, 2022. Utility clearance was completed in accordance with Lockheed Martin protocols and included notification of the Miss Utility system (Appendix B). Field work progression is documented in the daily reports (Appendix C). Preparatory work, including mobilizing equipment and storage roll-offs, uncovering the tanks, removing liquid from the tanks, and cleaning of their interiors, was completed on April 11–12,

2022. The actual removal of the tanks occurred on April 13 under the oversight of Matt Mueller of Oil Control Program.

On April 13, water was observed in the tank vault, but the integrity of the vault appeared sound as no water was evident outside the vault. However, excavation completed along the sides of the vault to verify its integrity revealed that the vault sidewall was not fully intact, and these sidewall breaches likely resulted in the liquid within the vault. These breaches also allowed the release of any liquid within the vault into surrounding soils. Soils around the vault had elevated photoionization detector (PID) readings, as documented on the daily report. The concrete vault and impacted soil (including the minor amount of water released from the vault) were removed until photoionization detector readings were reduced to acceptable levels, at which time two verification samples were collected. The total depth of the excavation was estimated at 11 feet below the surrounding grade, and approximately 80 tons of soil were removed. On April 14–15, 2022, the excavation was backfilled with clean soil and the site was restored with topsoil and pollinator meadow seed/mulch. The final Tank Closure Form was circulated for signatures by all parties, and the final signed copy, received on April 22, 2022, is included in Appendix A. After removal the tank sizes were estimated at 200-gallon capacity, as shown on the Tank Closure Form.

Concrete waste was placed in two roll-offs, and soil was placed in seven additional roll-offs and stored onsite with secondary containment. Waste characterization samples were collected and analyzed, the waste was profiled by Clean Harbors, and the roll-offs were removed between May 4 and May 6, 2022 for disposal. Waste profiles and disposal documentation is included in Appendix D. The tanks were transported to United Iron and Metal, Baltimore, Maryland for recycling on April 14, 2022. Confirmation of this transaction is included in Appendix E.

This report is organized as follows:

Section 2—Sampling and Analyses: Briefly summarizes the sampling associated with the underground storage tank removal and associated analyses.

Section 3—Analytical Results: Presents the investigation laboratory analytical results for the samples collected during the underground storage tank removal.

Section 4—Conclusions and Recommendations: Presents conclusions and recommendations based on site conditions following the underground storage tank removal.

Section 5—References: Cites references used to compile this report.

SECTION 2 SAMPLING AND ANALYSES

Sampling and analysis for the project including initial characterization of the tank contents (liquid), soil verification sampling, and soil/concrete waste characterization sampling. These data are presented in this section. Analytical laboratory summary forms and the verification samples data validation report are included in Appendix F and complete laboratory reports are included in Appendix G.

The liquid contents of each of the two 200-gallon underground storage tanks (USTs) in Block E were sampled for waste characterization purposes (WC-W-UST-E-021622 and WC-E-UST-W-021622), using the “W” designation for the western tank (UST 3) and “E” for the eastern tank (UST 4), as shown on Figure 1-2. These samples were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) SW-846 Method 8260D, for semivolatile organic compounds (SVOCs) by USEPA SW-846 Method 8270E, for total petroleum hydrocarbon (TPH)-gasoline-range (GRO) (C6-C10) and diesel-range organics (DRO) (C10-C32) by USEPA SW-846 Method 8015C, for polychlorinated biphenyls (PCBs) by USEPA SW-846 Method 8082A, for mercury by USEPA SW-846 7272A, and for toxicity characteristic leaching procedure (TCLP) metals by USEPA SW-846 Method 1311/6010D. The water samples were also analyzed for ignitability, in accordance with disposal facility requirements.

After the USTs and vault had been removed, confirmation soil samples were collected from the eastern side excavation base (MRC-VS-E-041322), underneath the former location of UST 4, and from the western side excavation base (MRC-VS-W-041322), underneath the former location of UST 3. The verification soil samples were collected as grab samples at locations specified by the on-site Maryland Department of the Environment (MDE) Oil Control Program (OCP) inspector, and were collected from the excavator bucket due to the depth of the excavation (approximately 9 feet below surrounding grade). Since the use of the USTs was not known, a range of analysis were required by OCP. The samples were analyzed for VOCs by USEPA Method 8260C, for SVOCs

by USEPA Method 8270C, for TPH-DRO and TPH-ORO by Method 8015, for PCBs by USEPA Method 8082A, and for TCLP metals/mercury by USEPA SW-846 Method 6010D/7074A.

All soil samples were placed in wide-mouthed laboratory-supplied glass jars and immediately placed on ice in a clean cooler. The cooler temperature was maintained at less than or equal to four degrees Celsius. Samples were delivered to TestAmerica, Inc. of Barberton, Ohio for analysis.

The soil and concrete in the roll-off containers was sampled for waste characterization, and the designations for these samples were MRC-WC-SOIL-041322 and MRC-WC-CONC-041322, respectively. These samples were delivered to TestAmerica Inc. of Barberton, Ohio and analyzed for TCLP VOCs by USEPA Method 8260C, TPH-DRO and TPH-GRO by Method 8015C, PCBs by USEPA Method 8082A, TCLP metals by USEPA SW-846 Method 6010D, and flashpoint.

Groundwater sampling was not required after the tanks and vault had been removed, according to the OCP inspector, as no groundwater was encountered in the excavation.

SECTION 3 ANALYTICAL RESULTS

Table 3-1 presents the chemicals detected in the sample of the two underground storage tank (UST) contents (WC-E-UST-E-021622 and WC-E-UST-W-021622). Analytical results of the UST contents indicated that the material was nonhazardous, and it was disposed of accordingly off-site. As shown in Table 3-1, the water contained petroleum hydrocarbons and other fuel-related volatiles such as benzene, toluene, ethylbenzene, and xylenes (BTEX) and related compounds. Concentrations detected were not indicative of product level constituents but do indicate that the tanks were potentially used to store fuel.

Table 3-2 presents chemicals detected in soil verification samples collected from the eastern side of the excavation base (MRC-VS-E-041322), or at UST 4, and from the western side of the excavation base (MRC-VS-W-041322), or at UST 3. Only trace levels of six volatile and semivolatile compounds were reported. Data is shown in comparison to industrial soil cleanup criteria (MDE, 2018); all detected chemicals are orders of magnitude below applicable criteria. Low level detections of xylenes (28 µg/kg), naphthalene (93 µg/kg), and 2-methylnaphthalene (15 µg/kg), in the sample collected from the eastern tank location, represent the only compounds detected in both tank water and soil.

Table 3-3 lists chemicals detected in the waste characterization samples MRC-WC-SOIL-041322 and MRC-WC-CONC-041322 collected from separate roll-offs containing soil and concrete (respectively). For disposal purposes, the soil and concrete were considered a single waste stream and profiled as such. The waste has relatively low levels of petroleum hydrocarbons as a combined waste.

Analytical laboratory summary forms (listing both positive detections and nondetects) and the verification samples data validation report are in Appendix F. Complete analytical laboratory reports are in Appendix G.

SECTION 4

CONCLUSIONS AND RECOMMENDATIONS

The Middle River Complex (MRC) is an industrial site at 2323 Eastern Boulevard in Middle River, Maryland. Two 200-gallon-capacity underground storage tanks (USTs) were discovered in Block E of the Middle River Complex on February 14, 2022. The underground storage tanks were found during a broader remediation of Block E (primarily for polychlorinated biphenyls [PCB] and associated chemicals) when the building foundation of a former 400,000-square-foot manufacturing building was removed. The tanks were located in an area of the site not associated with the polychlorinated biphenyl impacts. The former use of the tanks is not known, but data from the removal implies they were used as storage tanks for petroleum products.

The underground storage tanks and associated concrete holding vault were removed and confirmation base samples were collected from the excavations. Confirmation soil samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), toxicity characteristic leaching procedure (TCLP) volatiles and semivolatiles, and total petroleum hydrocarbons (TPH)-oil-range organics (ORO) and -diesel-range organics (DRO). Detected chemicals were orders of magnitude below applicable industrial use screening criteria. No polychlorinated biphenyls were detected.

Block E was subject to a risk-based remedial action that was completed in April 2022. These underground storage tanks were found at the very end of that project and were removed just after the soil remediation project was completed. The verification data from the tank removals indicate that the tank removal action successfully removed any contamination of concern, and that no further action is required under either the Oil Control Program, or in accordance with Administrative Consent Order ACO-SAR-MDE0746-2015-1-01 between Maryland Department of the Environment, through its Land and Materials Management Administration, and Lockheed Martin Corporation. We further recommend that Oil Control Program Case # 19151 be closed.

SECTION 5 REFERENCES

Tetra Tech, Inc. (Tetra Tech), 2014. *Block E Underground Storage Tank Closure Report, Lockheed Martin Middle River Complex, 2323 Eastern Boulevard Middle River, Maryland*. Prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. January.

Tetra Tech, Inc. (Tetra Tech), 2016. *Block E Anomaly Investigation: Underground Storage Tank Closure Report, Lockheed Martin Middle River Complex, 2323 Eastern Boulevard Middle River, Maryland*. Prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. December.

Tetra Tech, Inc. (Tetra Tech), 2019. *Block E Soil Remedial Action Plan, Lockheed Martin Middle River Complex, 2323 Eastern Boulevard Middle River, Maryland*. Prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. Revision 1, December.

Maryland Department of the Environment (MDE), 2018. *Cleanup Standards for Soil and Groundwater*. Interim Final. Update No. 3. October.

FIGURES

Figure 1-1 Middle River Complex Location Map
Figure 1-2 Middle River Block E UST Location Map



2020 aerial photograph provided by the State of Maryland.

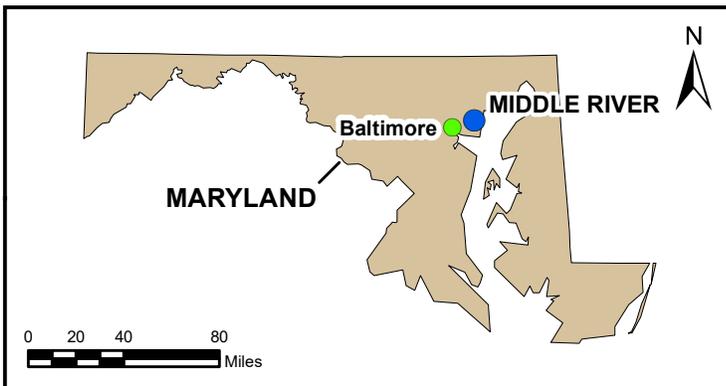


FIGURE 1-1

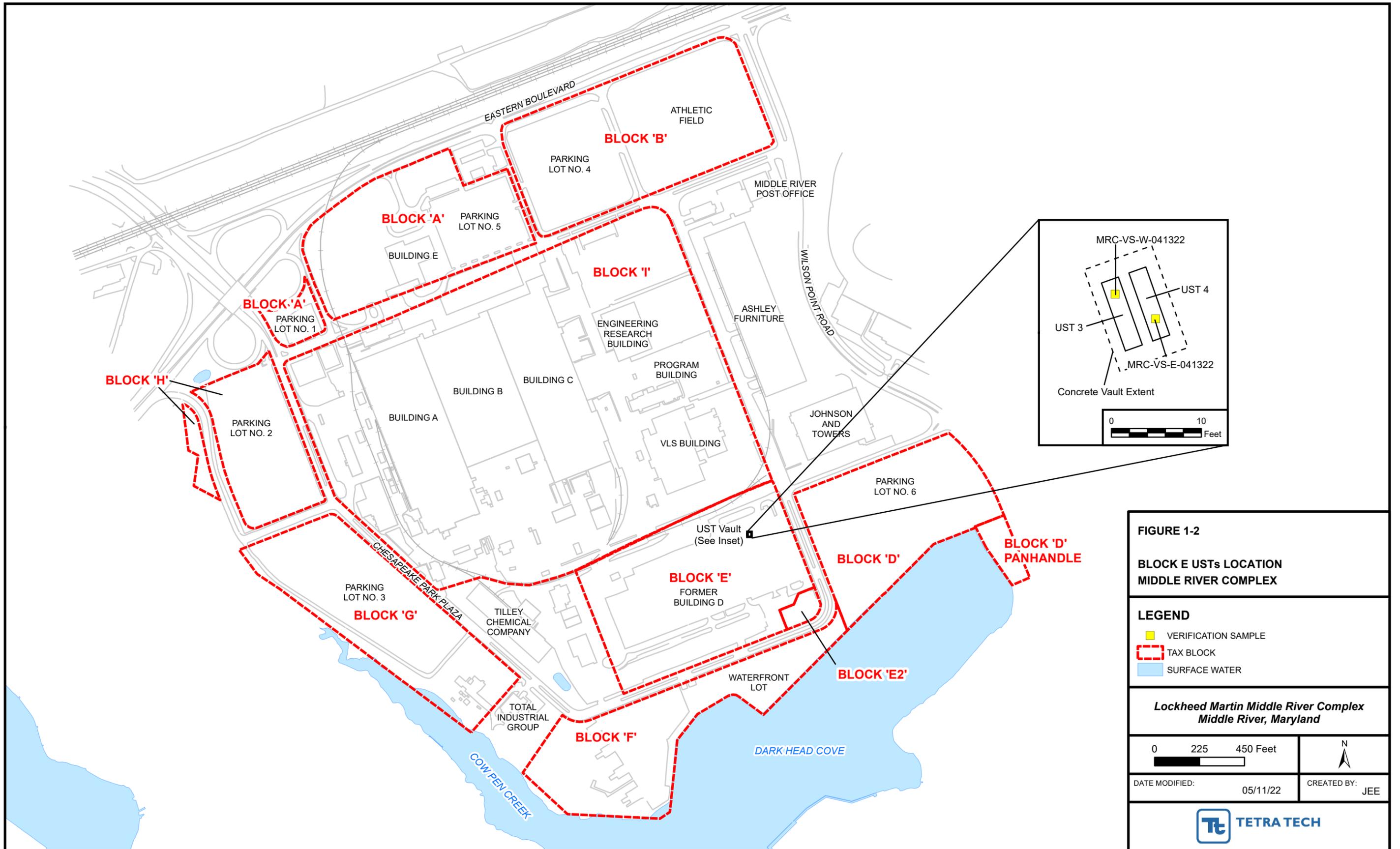
**SITE LOCATION MAP
MIDDLE RIVER COMPLEX**

*Lockheed Martin Middle River Complex
Middle River, Maryland*

DATE MODIFIED: 05/09/22

CREATED BY: JEE





TABLES

Table 3-1 Underground Storage Tank Contents-Sampling Results

Table 3-2 Confirmation Sampling Results for Soil

Table 3-3 Waste Characterization Sampling Results

Table 3-1
Underground Storage Tank Contents-Sampling Results
Block E UST Closure Report
Middle River Complex, Middle River, Maryland

LOCATION	IDW	IDW
SAMPLE ID	WC-E-UST-E-021622	WC-E-UST-W-021622
SAMPLE DATE	20220216	20220216
Volatile organic compounds (µg/L)		
1,2,4-TRIMETHYLBENZENE	2800	4400
1,3,5-TRIMETHYLBENZENE	760	1100
2-CHLOROTOLUENE	350	2.8 U
4-ISOPROPYLTOLUENE	42	49
ACETONE	17	29
BENZENE	0.25 J	0.29 J
ETHYLBENZENE	47	50
ISOPROPYLBENZENE	340	430
M+P-XYLENES	220	480
NAPHTHALENE	110	130
N-BUTYLBENZENE	66	80
N-PROPYLBENZENE	480	490
O-XYLENE	810	2100
SEC-BUTYLBENZENE	43	49
TERT-BUTYLBENZENE	6.3	6.4
TOLUENE	49	130
TOTAL XYLENES	1000	2600
Semivolatile organic compounds (µg/L)		
2,4-DIMETHYLPHENOL	0.58 U	13
2-METHYLNAPHTHALENE	2 J	2.5 J
CARBAZOLE	1 U	1.3 J
NAPHTHALENE	73	100
Petroleum hydrocarbons (µg/L)		
TPH (C06-C12)	23000	34000
TPH (C10-C28)	2600	4900
TCLP metals (mg/L)		
BARIUM	0.15 J	0.21 J
Miscellaneous parameters (°F)		
FLASHPOINT	160 >	160 >

°F - degrees Fahrenheit
µg/L - micrograms per liter
E - eastern (tank)
IDW - investigation-derived waste
J - estimated concentration
mg/L - milligrams per liter
TCLP - toxicity characteristics leaching procedure
U - nondetect
UST - underground storage tank
W - western (tank)
WC - waste characterization

Table 3-2
Confirmation Sampling Results for Soil
Block E UST Closure Report
Middle River Complex, Middle River, Maryland

SAMPLE ID	MDE Soil Industrial screening level (µg/kg)	MRC-VS-E-041322	MRC-VS-W-041322
SAMPLE DATE		04/13/2022	04/13/2022
QC TYPE		NORMAL	NORMAL
SDG		240-165027-1	240-165027-1
Volatile organic compounds (µg/kg)			
METHYLENE CHLORIDE	320000	69 U	28 J
TOTAL XYLENES	250000	28 J	1.8 U
Semivolatile organic compounds (µg/kg)			
2-METHYLNAPHTHALENE	300000	15 J	2.4 U
BENZALDEHYDE	NC	950	28 U
FLUORANTHENE	3000000	7 J	5.4 U
NAPHTHALENE	17000	93	2.9 U

E - eastern (tank)
W - western (tank)
J - estimated concentration
MDE - Maryland Department of the Environment
MRC - Middle River Complex
µg/kg - micrograms per kilogram
QC - quality control
SDG - sample delivery group
U - nondetect

Table 3-3
Waste Characterization Sampling Results
Block E UST Closure Report
Middle River Complex, Middle River, Maryland

SAMPLE ID	MRC-WC-CONC-041322	MRC-WC-SOIL-041322
SAMPLE DATE	04/13/2022	04/13/2022
QC TYPE	NORMAL	NORMAL
SDG	240-165027-2	240-165027-2
Volatile organic compounds (µg/kg)		
ETHYLBENZENE	11 U	160 J
ISOPROPYLBENZENE	120	1800
TOTAL XYLENES	180	3200
Petroleum hydrocarbons (mg/kg)		
TPH (C06-C10)	65	450
TPH (C10-C28)	25	65 F1
Leachate metals (mg/L)		
BARIUM	0.15 J	0.11 U
Miscellaneous parameters		
FLASHPOINT (degrees Fahrenheit)	200 >	200 >

CONC - concrete sample
F1 - MS and/or MSD recovery exceeds control limits
J - estimated concentration
µg/kg - microgram per kilogram
mg/kg - milligrams per kilogram
mg/L - milligram per liter
MRC - Middle River Complex
QC - quality control
SDG - sample delivery group
SOIL - soil sample
U - nondetect
WC - waste characterization

APPENDICES

-
- Appendix A—MDE Notification and Report**
- Appendix B—Dig Permit and Utility Clearance**
- Appendix C—Daily Reports**
- Appendix D—Waste Disposal Information**
- Appendix E—Tank Disposal Information**
- Appendix F—Analytical-Laboratory Summary Forms and Data Validation Report**
- Appendix G—Full Analytical-Laboratory Reports**

APPENDIX A—MDE NOTIFICATION AND REPORT

From: [Ken Trent](#)
To: matthew.mueller@maryland.gov
Cc: [Martin, Michael](#); [Elite](#)
Subject: FW: MDE 30-Day Tank Removal Notification
Date: Friday, March 4, 2022 4:34:45 PM
Attachments: [image001.jpg](#)
[Rev Tank Removal 30-Day Notice Form Block E USTs.pdf](#)

Hello Mr. Mueller,

Please review attached and let me know if you have any questions or need any changes at this time. Elite Environmental has been requested to remove the referenced two USTs at the referenced site for the host Lockheed Martin Corporation represented by Tetra Tech NUS. All parties would like to get this done sooner than later, please let us know your availability and we will schedule around you. Currently our target window is 4/4-4/6, we look forward to your response.

Regards,
Kenneth Trent
President - 321.604.1830



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OIL CONTROL PROGRAM
Tank Closure Form

Initial / Follow-Up

Site / Facility Name: Lockheed Martin Properties, Inc.
Address: 195 Chesapeake Park Plaza
City / County: Middle River / Baltimore County

Date(s): April 13, 2022
Facility ID #: 13189
Case #: 22-0481BA

1. a) Number of USTs removed: 2
 b) Number of USTs closed-in-place: 0
 c) Number of registered USTs remaining on-site: 0

Tank	Product	Age (years)	Size (gallons)	Tank Construction	Piping Construction	Perforations		Disposal Site
						Tank	Piping	
23	Unknown	Unk	200	Bare Steel	Unknown	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Scrap yard
24	Unknown	Unk	200	Bare Steel	Unknown	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Scrap yard
						Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
						Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
						Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
						Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

2. Has piping been properly abandoned? Yes No Unknown
3. Has vent riser(s) been removed? Yes No
4. Has all liquid been removed from the UST(s)? Yes No
5. Certified contractor has functioning explosion meter on site? Yes No
6. Has UST(s) been purged of explosive or combustible vapors? Yes No
 (Must confirm less than 10% LEL with explosion meter)
7. Is groundwater contaminated? (If yes, type of product: _____) Yes No Can't determine at this time
8. Is soil contaminated? (If yes, type of product: Unknown) Yes No Can't determine at this time
9. Was contaminated soil removed? Yes No
 If Yes: Contaminated soil stockpiled onsite must be placed on **and covered with plastic sheeting.**
 Other: Contaminated soils loaded into roll-off dumpsters lined with plastic.
10. Was soil field screened with PID? Yes No
 Tank – Max units: 600+ at 10 feet
 Piping – Max units: - at - feet
11. Are domestic well(s) on site? Yes No Well Tag Number(s): _____
 Is sampling required? Yes No
 If Yes, sample for: EPA Method 524.2 – Full Suite VOCs, including fuel oxygenates and naphthalene
 Other: _____
12. Has inspector completed a site sketch? Yes No
13. Has inspector taken site photographs? Yes No
14. Was tank(s) labeled? Yes No
 If Yes, describe: Facility initials, Date, and Tank Capacity

**MDE/LMA/OCF
Tank Closure Form**

15. Within 45 Days, the following actions must be completed by the OWNER:

- Submit a Tank Closure Report that includes all of the following documentation:
 - Narrative of work conducted;
 - Soil and groundwater sampling data table(s);
 - Analytical laboratory results and chain of custody;
 - Conclusions and recommendations;
 - Site map showing the locations of all components of the UST system(s) and sample locations;
 - Photographs;
 - Disposal receipts (tank, soil, and liquid); and
 - Solid inert material receipt for closure-in-place.
- Properly Abandon All Piping in Compliance with COMAR 26.10.10.02B(2) (remove unless otherwise directed)
- Remove Vent Pipe Riser(s)
- All Contaminated Soils Must be Removed from the Site in Accordance with COMAR 26.10.09.03A(5)
- Submit Soil Analytical Results for the following EPA Methods:
 - 8260 – Full Suite VOCs, including fuel oxygenates and naphthalene
 - 8015B – TPH GRO/DRO 8015 – TPH ORO 8015 – TPH DRO/ORO
 - 8270 – SVOCs 8310 – PAHs 8082 – PCBs
 - 1311 – TCLP Metals 6020 – RCRA (8) Metals
 - Other: _____
- Submit Groundwater Analytical Results for the following EPA Methods:
 - 8260 – Full Suite VOCs, including fuel oxygenates and naphthalene
 - 8015B – TPH GRO/DRO 8015 – TPH ORO 8015 – TPH DRO/ORO
 - 8270 – SVOCs 8310 – PAHs
 - Other: _____
- Submit Tank Disposal Receipt
- Submit Soil Disposal Receipt(s)
- Submit Liquid / Sludge Disposal Receipt(s)
- Amend Registration:
 - Notification form provided to contact person
 - Owner/Representative informed case file may remain open until notification form is received by MDE
 - Completed onsite
- Other – See Further Requirements as Listed in Number 16, Comments (below).

16. Comments:

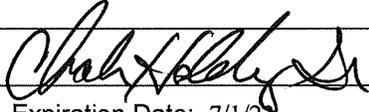
On this date, this writer arrived onsite and met with Charles Holderby, Sr (A2Z Environmental Group), Tom Blackman (Lockheed Martin Properties, Inc.), Mike Kluver (Elite Environmental & Petroleum Services, 410-419-5297) and Josh Mullis (Tetra Tech, 410-279-2700) onsite for the removal of two unregistered, improperly abandoned 200-gallon underground storage tank (UST) systems. The two USTs were encountered during the removal of a foundation of a former building onsite. The area is served by a public water system.

The two UST's were both located within a concrete vault, located beneath the former concrete foundation. The soils were excavated from the tank tops, and the liquids (water/sludge) was removed from the tanks. Upon removal of the two USTs, no perforations or petroleum staining was observed in/on the exterior of the tanks. Each tank had a diameter of 2 feet, and measured 8 feet in length. The two tanks were manifolded, although no other product piping was observed. A photoionization detector (PID) was utilized to screen soils within the vault, and PID readings ranged from 60 metered units to 260 metered units. The soils within the vault were excavated, and placed into roll-off dumpster pending off-site disposal. A test pit was advanced on the east side of the vault, and petroleum impacted soils were encountered. Therefore, this writer required the concrete vault to be removed from the ground to assess the soils beneath the vault for petroleum impacts. The vault was removed, and observed with petroleum staining on the bottom-side of the vault flooring. The bottom of the vault was approximately 6 feet below ground surface (bgs). After the vault was removed, petroleum impacted soils were excavated to an approximate depth of 11 feet bgs. From 6 feet bgs to 10 feet bgs, PID readings ranged from 200 metered units to 600+ metered units. At approximately 11 feet bgs, a maximum PID readings of 40 metered units was observed. A total of two soil samples were collected from the excavation at approximately 11 feet bgs. The total excavation dimensions were approximately 16 feet by 13 feet by 11 feet. All excavated soils were loaded into roll-off dumpster, and are awaiting proper off-site disposal. Groundwater was not encountered within the excavation.

**MDE/LMA/OCP
Tank Closure Form**

REQUIREMENTS:

- 1) The UST System Closure Report is due no later than May 31, 2022.
- 2) The two soil samples must be analyzed for:
 - Full suite volatile organic compounds (VOCs) including fuel oxygenates and naphthalene by EPA Method 8260.
 - Total petroleum hydrocarbon - diesel and oil range organics (TPH-DRO and TPH-ORO) by EPA Method 8015.
 - Semi volatile organic compounds (SVOCs) by EPA Method 8270 or Method 8310
 - Polychlorinated biphenyls (PCB) by EPA Method 8082.
 - 1311 TCLP Metals
- 3) An amended UST Registration must be submitted for this facility.

	Name (Printed)	Signature	Date	Telephone Number
MDE Inspector	<u>Matt Mueller</u>		4/15/22	410-365-0216
UST Owner Contact	_____		_____	_____
Contractor	_____		_____	_____
Technician / Remover	Charles Holderby, Sr. _____		_____	_____
Certification Number	MDIC 21-1728(T)	Expiration Date: 7/1/23		

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Land and Materials Administration • Oil Control Program

1800 Washington Boulevard • Suite 620 • Baltimore Maryland 21230-1719

410-537-3442 • 800-633-6101 x3442 • 410-537-3092 (fax) • www.mde.maryland.gov

Underground Storage System Removal/Abandonment 30-Day Written Notification

Case No: 19151

Facility No: 13189

(check box if facility was not previously registered)

This form shall be used to notify the Department at least 30 days before beginning underground storage tank removal and/or abandonment-in-place. When fully completed, this form may be accepted as an amendment to the Notification for Underground Storage Tanks currently on file with the Department, for the removals and/or abandonments listed. New tank installations must be reported on the five-page notification (Form Number MDE/WAS/PER.012). The Department reserves the right to require Form Number MDE/WAS.PER.012, if determined necessary to properly update Department records.

(1) **Type of facility:** ___ Government Commercial ___ Farm/Nursery ___ Residential (non-rental) ___ Other (please specify) _____
(check one)

(2) **Type of work being performed:** Removal ___ Abandonment in Place ___ Temporary Closure ___ Installation ___ Upgrade of Existing Tank/Piping
(check all that apply)

(3) **Date work is to be performed:** 4/4/2022 (4) **Estimated time that work will be ready for inspection:** 4/6/2022

(5) **Insurance Information:** Self Insurance ___ Insurance Pool ___ Risk Retention Group ___ Guarantee ___ Letter of Credit ___ Surety Bond
(check one) ___ Commercial Insurance: Policy No.: _____ Insurer: _____ Agent/Broker: _____ Phone: _____
___ Other Method allowed: (specify) _____

(6) Contractor Information:	(7) Facility Information:	(8) Owner Information:
Elite Environmental & Petroleum Services	. Block E	. Lockheed Martin Properties, Inc.
Company Name	Facility Name	195 Chesapeake Park Plaza
1007 Wampler Road	2323 Eastern Boulevard	Mailing Address
Mailing Address	Street Address	Middle River Maryland, 21220
Middle River, Maryland 21220	Baltimore MD 21220	City/State/Zip
City/State/Zip	City/State/Zip	Tom Blackman
Mike Kluver	Dark Head Cove Road	Contact Person at owner location (not contractor)
Name of Contact Person	Nearest Cross Street	240-460-7508 N/A
410-419-5297	Mike Kluver	Telephone No. Fax No.
Telephone No. Fax No.	Name of Contact Person at Site	Project Lead
Charles Holderby, Sr.	410-419-5297	Name/Title of person authorized to represent owner
Name of Person certified to do work	Telephone No. of Contact Person	
MDIC- 2021-1728		
exp. date 07 / 01 / 2023		

30-DAY WRITTEN NOTIFICATION

MDE Oil Control Program

(9) Underground Storage Tank Information:

Facility No.13189

Tank Number	Tank Capacity	Type of Product	Material of Construction	Material of Construction	Date Tank Last Used	Date Tank Last Tested	Pass or Failed?	Type of Test
			Tank	Piping				
1 UST	250 Gal.	Prev. Abandoned Petro Tank, some water now	Steel	Prev. Removed.	Unknown	Unknown	N/A	N/A
2 UST	250 Gal.	Same as above	Steel	Prev. Removed	Unknown	Unknown	N/A	N/A

(10) **Are there additional underground storage tanks at this facility not listed above?** ___Yes XNo

(11) Certification:

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information submitted is true, accurate and complete. I understand this form may not be accepted by the Oil Control Program if the information is incomplete. (Complete items 1 through 11)

Signature of UST Owner/ Authorized Owner Representative:  **Title:** Project Lead **Date:** 3/3/2022
 (as listed in section 8 of this form)

Notice: Collection of Personal Records – State Government Article § 10-624

This Notice is provided pursuant to § 10-624 of the State Government Article of the Maryland Code. The personal information requested on this form is intended to be used in processing your application. Failure to provide the information requested may result in your application not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment (“MDE”) is a public agency and subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE’s website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State law.

Ken Trent

From: rholderby@a2zgroup.com
Sent: Friday, April 22, 2022 12:35 PM
To: Ken Trent
Cc: charles.holderby@yahoo.com; 'llacy'; Ybennett@a2zgroup.com
Subject: FW: OCP Case No. 22-0481BA Lockheed Martin - Tank Closure Form
Attachments: 20220420141709681.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Please see attached signed Tank Closure Form. See below where it was emailed to MDE and Mike Kluver on Wednesday, 4-20-22.

Regards,
Rita Holderby
Presiding Member
443-463-2675 (Cell)
A2Z Environmental Group, LLC
311 S. Haven St.
Baltimore, MD 21224
410-679-8877 (Office)
410-679-1308 (Fax)
rholderby@a2zgroup.com
www.a2zgroup.com

From: rholderby@a2zgroup.com <rholderby@a2zgroup.com>
Sent: Wednesday, April 20, 2022 2:16 PM
To: 'matthew.mueller@maryland.gov' <matthew.mueller@maryland.gov>
Cc: 'mkluver@eliteeps.com' <mkluver@eliteeps.com>; 'llacy' <llacy@a2zgroup.com>
Subject: RE: OCP Case No. 22-0481BA Lockheed Martin - Tank Closure Form

Matt,

Please see attached Tank Closure Form.

Regards,

Rita Holderby
Presiding Member
443-463-2675 (Cell)
A2Z Environmental Group, LLC
311 S. Haven St.
Baltimore, MD 21224
410-679-8877 (Office)
410-679-1308 (Fax)
rholderby@a2zgroup.com
www.a2zgroup.com

From: Charles Holderby <charles.holderby@yahoo.com>
Sent: Friday, April 15, 2022 1:51 PM
To: rholderby@a2zgroup.com
Subject: Fwd: OCP Case No. 22-0481BA Lockheed Martin - Tank Closure Form

Sent from my iPhone

Begin forwarded message:

From: Matthew Mueller -MDE- <matthew.mueller@maryland.gov>
Date: April 15, 2022 at 12:30:23 PM EDT
To: "Blackman, Tom D" <tom.d.blackman@lmco.com>, mkluver@eliteeps.com,
josh.mullis@tetrattech.com, charles.holderby@yahoo.com
Cc: Anuradha Mohanty -MDE- <anuradha.mohanty@maryland.gov>, Mark Mank -MDE-
<mark.mank@maryland.gov>, Ellen Jackson -MDE- <ellen.jackson@maryland.gov>, Andrew Miller -
MDE- <andrew.miller@maryland.gov>, Charles McCollister -Mde- <charles.mccollister@maryland.gov>
Subject: OCP Case No. 22-0481BA Lockheed Martin - Tank Closure Form

Good Afternoon All,

As discussed, please see the *Tank Closure Form* attached. Mr. Holderby, please sign, then return a signed copy. If you have any questions, feel free to contact me.

Thank you,



Matt Mueller
Geologist, Oil Control Program
Land and Materials Administration
Maryland Department of the Environment
1800 Washington Boulevard, Ste. 620
Baltimore, Maryland 21230
Matthew.Mueller@Maryland.gov
410-537-3574 (O)
410-365-0216 (M)
[Website](#) | [Facebook](#) | [Twitter](#)

Click here to complete a three question [customer experience survey](#).

[Click here](#) to complete a three question customer experience survey.

APPENDIX B—DIG PERMIT AND UTILITY CLEARANCE



Dig Permit

See Enterprise Operations Procedure [EO-28](#), Digging Projects, for instructions.

Date March 31, 2022	Project Manager Tom Blackman (Lockheed Martin EESH) Mike Martin (Tetra Tech)		
Building/Location Tax Block E (former Building D)			
Purpose of work: Removal of two USTs located in northeastern Block E. USTs are contained in a concrete vault that may also be removed based on MDE guidance/surrounding soil characteristics. The concrete vault is approximately 10 feet long by 6 feet wide by 5 feet deep. Soil removal around the USTs is possible. All waste will be containerized on site, characterized, and disposed according to LM procedures.			
Company/LM organization performing dig Tetra Tech overseeing Elite Environmental (excavation contractor)			
Planned dig date April 11 th -15 th	Duration One week	Start time 0700	
Expected depth Five feet bgs (approximate)	Width Dimensions of vault, if removed	Length TBD	
Underground utilities identified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhead utilities? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Electrical lines? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas lines? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Telecommunications? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Other? Specify: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Site-specific or customer utility locating requirements completed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Sketch of dig project (or attach drawing) See Attached A private utility locating contractor (Retrew) was used to mark subsurface utilities with pin flags on 3/29/2022. Confirmation letter and report will be distributed when available. Miss Utility Ticket # 22235455 The area of interest is shown on the attached figure.			
Project Manager Michael Martin 	Date March 31, 2022	Customer PETER JOHNSON - EMCOR 	Date 03-31 2022
Telecommunications	Date	Customer Mark Lang-Security	Date 03/31/22
ESH christopher.s1.keller@lmco.com	Digitally signed by: christopher.s1.keller@lmco.com DN: CN = christopher.s1.keller@lmco.com Date: 2022.03.31 11:54:55 -0400	Customer	Date
Building/Facility Manager 	Cezarina J. Scales	Digitally signed by: Cezarina J. Scales DN: CN = Cezarina J. Scales email = rna.scales@lmco.com C = AD O = Lockheed Martin OU = LMCP Date: 2022.03.31 18:24:31 -0400	Date

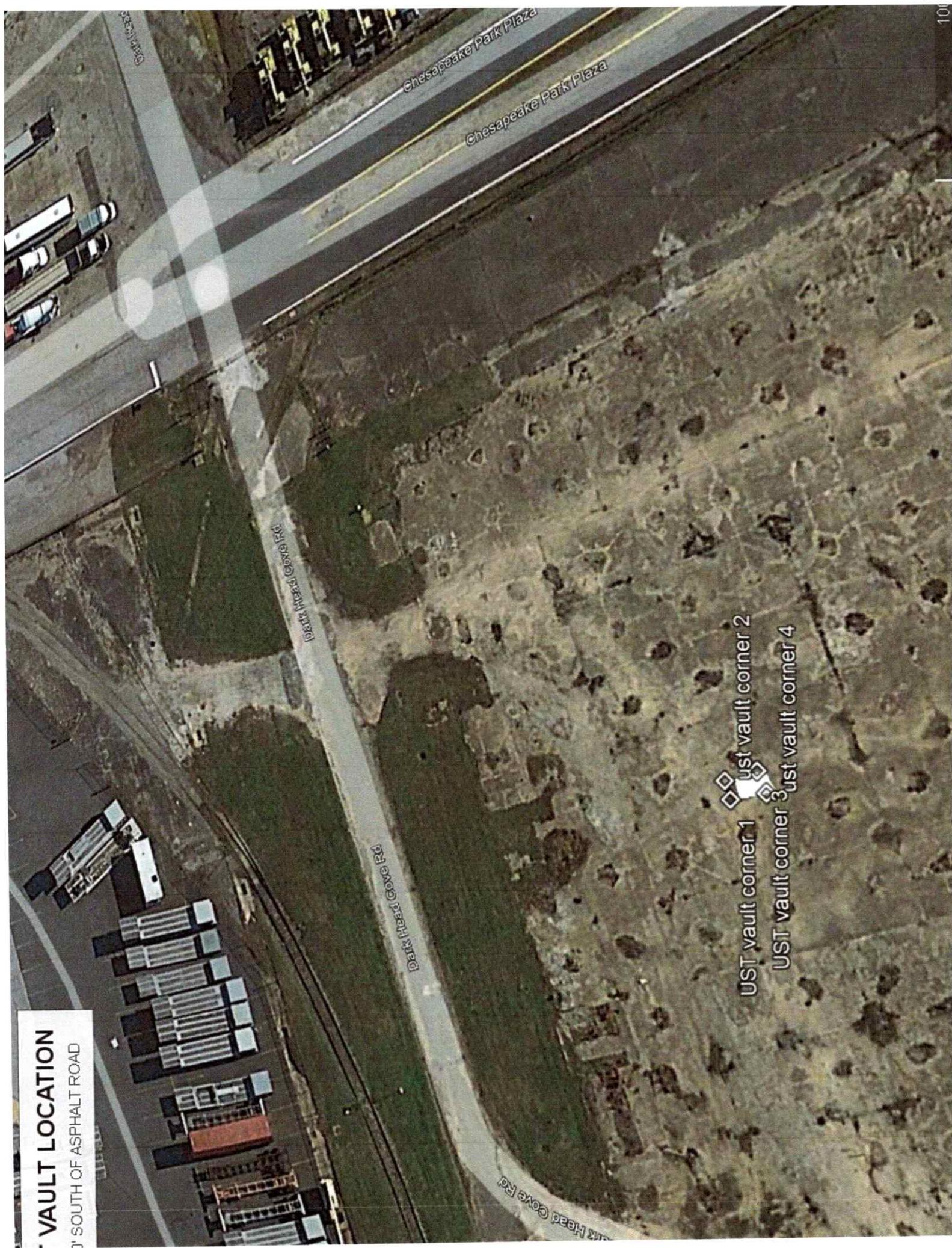
Risk Handling Checklist

Project Manager: Use this checklist to develop risk handling plans before the dig starts. You must also review Enterprise Operations Procedure [EO-28](#), Digging Projects.

General Questions	<input checked="" type="checkbox"/> What Lockheed Martin processes could be affected by the dig? No Lockheed Martin processes or operations are expected to be impacted as all work will be conducted outside the secured area in Tax Block E and F. Tetra Tech will work with Lockheed Martin and their tenants to minimize potential impacts, if present.
	<input checked="" type="checkbox"/> What are the safety hazards? Utilities, slips/trips/falls, vehicle traffic, Sonic rig hazards, pinch points
	<input checked="" type="checkbox"/> What could fail? Mechanical components on excavator and auger equipment
	<input checked="" type="checkbox"/> How could it fail? A component of the drilling rig and or equipment could potentially fail. An inspection of the equipment will be conducted on arrival at the site and daily to ensure proper working condition. Approved Health and Safety Plan in place (reviewed by corporate EESH)
	<input checked="" type="checkbox"/> Does the area need to be returned to its normal state when the work is complete? Yes, soil borings will be grouted to surface upon completion.
	<input type="checkbox"/> How could the dig affect operations/test/production? No operations will be affected, work has been conducted in these areas many times without any impact to facility operations.
	<input type="checkbox"/> Have potential risks been addressed with area management? No risks identified
	<input checked="" type="checkbox"/> Am I comfortable with any risk handling plans, understanding the potential impact? Yes
Traffic Control	<input checked="" type="checkbox"/> Ensure proper signage and communication. Existing security fencing separates roads from proposed work areas.
	<input checked="" type="checkbox"/> Coordinate road or access closures through Industrial Security before starting the dig. Existing fencing separates roads from proposed work areas.
	<input checked="" type="checkbox"/> Ensure the work area is isolated from foot traffic by placing barriers and warning lights as required by EO-28 .
	<input checked="" type="checkbox"/> Ensure that vehicle traffic will be safe. Access to Chesapeake Park Plaza will proceed with caution.
	<input checked="" type="checkbox"/> Ensure that product transport will be safe. Access to Chesapeake Park Plaza will proceed with caution.
Excavation	<input checked="" type="checkbox"/> Review facility drawings to identify utilities. Research old drawings as necessary. Available site engineering and utility maps were reviewed.
	<input checked="" type="checkbox"/> Discuss the project with Facility Engineering/Maintenance staff that may have unique knowledge about the construction area not documented in facility drawings. Work has been completed in this area many times in the past. All third party utility clearance was completed.
	<input checked="" type="checkbox"/> Process form EO-28-1 , Dig Permit. Use this opportunity to explain the process and relate expectations to the contractor/LM organization that will perform the dig.
	<input checked="" type="checkbox"/> Have LM Telecommunications and the local utility identification service locate and mark utilities/underground obstacles.
	<input checked="" type="checkbox"/> Coordinate with other ongoing projects in the affected area. N/A
	<input checked="" type="checkbox"/> Make every effort not to excavate around live utilities in service. Schedule an outage in advance or have Maintenance temporarily shut down and isolate the utilities while excavating. Underground utilities marked by Miss Utility and private utility locating service. All utilities will be avoided.
	<input checked="" type="checkbox"/> If live utilities cannot be shut down while excavating, know where to isolate or shut them down if they are damaged while excavating. No utilities will be encountered
	<input checked="" type="checkbox"/> Have a spotter(s) work with the equipment operator. Hand dig when necessary. Spotters will always be utilized
	<input checked="" type="checkbox"/> Excavate along the side of the utility; not on top. No utilities will be encountered
	<input type="checkbox"/> Weather may affect the dig. Ensure water pipes are protected during freezing weather, especially if the trench will be left open over night. Rain may cause the side of the trench to slough, which can undermine and break pipes/conduit. N/A
	<input type="checkbox"/> Ensure care when moving trench boxes in and out of trenches so pipes/conduit aren't damaged by the boxes. N/A
	<input checked="" type="checkbox"/> Ensure surface drainage is controlled so that water doesn't get into the excavation and undermine soil supporting utilities. Protections will be incorporated as necessary to protect storm drain piping and outlets.
	<input type="checkbox"/> Ensure stocked material is kept far enough back (minimum 2 feet) so that material and rocks don't fall on utilities in the open hole. N/A.
	<input checked="" type="checkbox"/> Ensure backfilling is done carefully: Re-bed utilities with proper material, filling all voids below. Keep inappropriate material from falling on or being placed in the trench. Be careful when compacting backfill in the two feet directly above the utility. Site restoration consisting of backfilling all auger holes will be completed when each boring is done as well as site restoration to meet remediation project objectives.
	<input checked="" type="checkbox"/> Keeps the as-built utility drawing in the field while the excavation site is open. Take pictures if possible (horizontal alignment and elevations), if known utilities deviate from facility drawings or if utilities are found that are not on facility drawings. Give the modified as-built drawings to the Building/Facility Manager, who will update the drawing database.
<input checked="" type="checkbox"/> Ensure that the equipment operator digs slowly and remains in control. All site activities will be monitored by Tetra Tech.	

Personal Safety	<input type="checkbox"/> Ensure that trenching and shoring methods comply with the applicable OSHA regulations and are overseen by a "Competent Person," as defined in those regulations. NA
	<input checked="" type="checkbox"/> Regularly inspect methods to prevent violations. All construction is monitored by Tetra Tech, all personnel have stop work authority.
	<input checked="" type="checkbox"/> Ensure LM employees do not dig or enter any excavation that is more than four feet deep. All work is being completed by Tetra Tech and its subcontractors.
Project Manager signature indicating completion of checklist review	
Michael Martin 	Date March 31, 2022

Vault Location
3' SOUTH OF ASPHALT ROAD



MEMORANDUM

TO: Josh Mullis, Tetra Tech

FROM: Bill Steinhart, RETTEW Field Services, Inc. (RETTEW)

CC: John B. Stipe, III, RETTEW Associates, Inc.

DATE: February 23, 2022

PROJECT NAME: Utility Clearance UST Vault **PROJECT NO.:** 019872032

SUBJECT: Utility Clearance UST Vault

Dear Mr. Mullis:

On March 29, 2022, RETTEW visited the above-referenced site with the purpose locating utilities in and around a known UST vault prior to excavation. One unknown utility was found just to the east of the vault. The depth of the utility estimated to be six feet deep. The location of the unknown utility was marked with paint and flags.

The above-referenced subsurface utility survey was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology. RETTEW does not accept responsibility for survey limitations due to inherent technological limitations or unforeseen site-specific conditions. However, we make every effort to identify and notify the client of such limitations or conditions. In addition, please note that the completion of this survey does not relieve any party of applicable legal obligations to notify the appropriate One-Call (811) center prior to digging or drilling.

As always, we appreciate this opportunity to have worked with you again. If you have any questions, please do not hesitate to contact me.

PREPARED BY:

Bill Steinhart – Utility Locator

Z:\Shared\Projects\01987\019872032 - Tetra Tech Middle River Complex, MD\SUE\Phase 372\019872032 Block Eand F Borings and UST Vault_Letter Report_2022-03-31.docx



From: md@occinc.com
To: [Mullis, Josh](#)
Subject: Ticket: 22235455
Date: Thursday, March 31, 2022 8:25:57 AM

NOTICE OF INTENT TO EXCAVATE		UPDATE	
Ticket No:	22235455	Update Of:	22081249 Update No: 17
Transmit Date:	3/31/22	Time:	8:25 AM
Release Date:	3/31/22	Time:	8:25 AM Type: WEB
Response Due By:	4/04/22	Time:	11:59 PM
Expiration Date:	4/19/22	Time:	11:59 PM

Caller Information

Company:	TETRA TECH, INC	Type:	NON-MEMBER
Contact Name:	JOSHUA MULLIS	Fax:	
Phone:	(410) 279-2700		
Caller Address:	20251 CENTURY BLVD SUITE 200	GERMANTOWN, MD 20874	
Email Address:	josh.mullis@tetratech.com		
Job Site Contact:	JOSH MULLIS	Phone:	(410) 279-2700
Temporary Company Name:			
Temporary Excavator Name:			
Temporary Excavator Email:			
Acknowledged Temporary Company:			

Dig Site Information

Type of Work:	SOIL REMEDIATION/REPLACEMENT OF STORM DRAIN // N/E		
Work Done For:	LOCKHEED MARTIN		
Permit #:		Explosives:	N
Contract Job#:	112IC09316	Trenchless:	NO

Dig Site Location

State:	MD	County:	BALTIMORE
Place:	MIDDLE RIVER		
Subdivision:			
Address / Street:	MARTIN BLVD		
Nearest Intersecting Street:	DARK HEAD COVE RD		
MDOT Y/N:	N	MDOT agency:	
MDOT permit:			

Extent of Work:
 MARK EVERYTHING WITHIN THE FOLLOWING BOUNDED AREA: FROM THE INTERSECTION PROVIDED, TRAVEL SE FOR APPROX 775FT TO A BULKHEAD, TRAVEL SW FOR APPROX 1200FT TO THE MIDDLE OF A CONCRETE PAD, TRAVEL NW PARALLEL WITH A TREE LINE FOR APPROX 1250FT TO A POINT JUST NORTH OF THE TREE LINE, TRAVEL E/NE FOR APPROX 1150FT BACK TO THE STARTING INTERSECTION PROVIDED AND MARK EVERYTHING WITHIN THIS BOUNDED AREA. CALLER STATES LOCATORS MUST CALL JOSH MULLIS AT 410-279-2700 TO GAIN ACCESS TO THIS LOCATION

Comments:
 UPDATE: SOIL BORINGS AND UST REMOVAL SLATED FOR SECOND-THIRD WEEK OF : APRIL. >>

Excavation Coordinates for # Polygons: 1
 Poly 1: NW Lat: 39.3301488 Lon: -76.4329113 SE Lat: 39.3245937 Lon: -76.4262739

Members Notified

District	Company Name	Phone Number
----------	--------------	--------------

BGEBA	BGE ELECTRIC-UTILIQUEST	(410) 536-0070
BGEBAG	BGE GAS-UTILIQUEST	(410) 536-0070
BPW01	BALTIMORE COUNTY DPW	(410) 887-7415
CBW04	BALTIMORE CITY DPW - OCCLS	(410) 712-0202
CWMD2	COMCAST/UTILIQUEST	(410) 536-0070
MAA02	MD AVIATION ADMIN/CENTURY ENGI	(302) 423-2586
TDEX01	TERRADEX	(650) 227-3254
VBT	VERIZON	(410) 536-0070

Excavator Responsibilities

- * EXCAVATORS MUST ENSURE ACCURACY OF TICKET AND MAPPING BY CLICKING ON [THIS LINK](#)

Colored paint, stakes or flags are used to identify the the horizontal path of the underground utility lines. Red is for electric. Yellow is for gas, oil or petroleum. Orange is for telecommunications and cable television including fiber optic lines. Blue is for water and green is for sewer.

- * DC and MD law requires that you hand dig a minimal of 18 inches of the marked lines. Ticket expiration dates are printed on your ticket(s). Make sure you have a valid ticket for all excavation or demolition activity. If work continues beyond the expiration date, UPDATE your ticket at least three business days in advance of the expiration date by using ITIC or calling Miss Utility.

- * Privately owned facilities such as, but not limited to; sprinklers, invisible fencing and private water or sewer lines will not be located by the Maryland and DC owner-members. Please review the list of notified members on your ticket and contact Miss Utility regarding errors.

- * Locate positive response is law in DC and MD. MD locators use Ticket Check to status their ticket response. DC members will status their response using DC Ticket Check if they subscribe to this system. Ticket Check will attempt to deliver member statuses via your ticket's valid email address, fax number, or by your calling toll free at 1-866-821-4226. When calling the Ticket Check system, contractors will use their caller ID telephone number when prompted for their 10 digit ID number. Homeowners should select the homeowner prompt. Remember, digging should not start until the notified owner members have provided a positive response.

- * You may view your processed ticket, Ticket Check codes, notified members, contact telephone numbers and search for a ticket number using SEARCH & STATUS; as well as process your locate requests online by visiting www.missutility.net

APPENDIX C—DAILY REPORTS



TETRA TECH, INC.

**DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD**

Duration of Site Activities

Report #:

Date:

On-Site:

Off-Site:

Superintendent :

AM Weather:

PM Weather:

Tailgate Health & Safety Topic Discussed

Summary of Work/Major Activities Completed Today

Inspections Completed Today

Delays/Problems Encountered Today

Planned Week Schedule

Proposed Schedule for Next Week

Comments:

Comments:

Comments:

Comments:



TETRA TECH, INC.

DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD

Personnel On-Site

Date:

[Date input box]

Time In

Time Out

Table with 5 columns: Name, Company, Time In, Time Out. Contains 18 rows of empty input boxes for personnel tracking.



TETRA TECH, INC.

**DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD**

Duration of Site Activities

Report #:

Date:

On-Site:

Off-Site:

Superintendent :

AM Weather:

PM Weather:

Tailgate Health & Safety Topic Discussed

Summary of Work/Major Activities Completed Today

Inspections Completed Today

Delays/Problems Encountered Today

Planned Week Schedule

Proposed Schedule for Next Week

Comments:

Comments:

Comments:

Comments:



TETRA TECH, INC.

**DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD**

Duration of Site Activities

Report #:

Date:

On-Site:

Off-Site:

Superintendent :

AM Weather:

PM Weather:

Tailgate Health & Safety Topic Discussed

Summary of Work/Major Activities Completed Today

Inspections Completed Today

Delays/Problems Encountered Today

Planned Week Schedule

Proposed Schedule for Next Week

Comments:

Comments:

Comments:

Comments:



Comments:

Excavation of the vault and surrounding soil complete per MDE, samples collected from the southeast and northwest base locations.



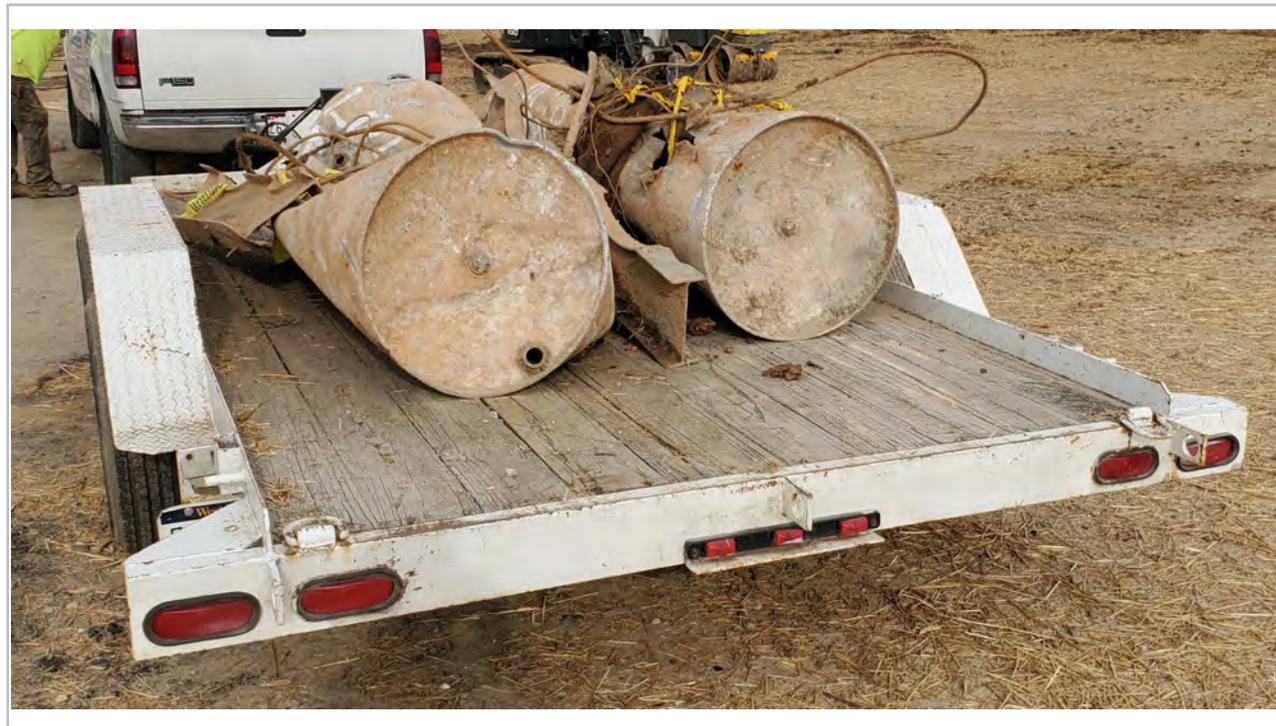
Comments:

Compactor machine utilized to complete compaction in 12" lifts of fill material.



Comments:

Temporary stockpile of soil generated until additional roll-offs are delivered to the site (expected tomorrow 4/14/2022).



Comments:

Former USTs loaded on a trailer for recycling at United Iron and Metal in Baltimore, MD.



TETRA TECH, INC.

DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD

Personnel On-Site

Date:

[Date input box]

Time In

Time Out

Table with 5 columns: Name, Company, Time In, Time Out. Contains 18 rows of empty input fields for personnel tracking.



TETRA TECH, INC.

**DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD**

Duration of Site Activities

Report #:

Date:

On-Site:

Off-Site:

Superintendent :

AM Weather:

PM Weather:

Tailgate Health & Safety Topic Discussed

Summary of Work/Major Activities Completed Today

Inspections Completed Today

Delays/Problems Encountered Today

Planned Week Schedule

Proposed Schedule for Next Week

Comments:

Comments:

Comments:

Comments:



TETRA TECH, INC.

DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD

Personnel On-Site

Date:

[Date input box]

Time In

Time Out

Table with 5 columns: Name, Company, Time In, Time Out. Contains 18 rows for personnel entry.



TETRA TECH, INC.

**DAILY ACTIVITIES REPORT
Block E UST Removal
MIDDLE RIVER, MD**

Duration of Site Activities

Report #:

Date:

On-Site:

Off-Site:

Superintendent :

AM Weather:

PM Weather:

Tailgate Health & Safety Topic Discussed

Summary of Work/Major Activities Completed Today

Inspections Completed Today

Delays/Problems Encountered Today

Planned Week Schedule

Proposed Schedule for Next Week

Comments:

Comments:

Comments:

Comments:

APPENDIX D—WASTE DISPOSAL INFORMATION



WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2306634B

MDR000524413
NONREQUIRED

A. GENERAL INFORMATION
 GENERATOR EPA ID #/REGISTRATION #
 GENERATOR CODE (Assigned by Clean Harbors) **LO30185**
 ADDRESS **2323 Eastern Boulevard**
 CUSTOMER CODE (Assigned by Clean Harbors)
 ADDRESS **4722 Shannock Avenue**

GENERATOR NAME: **Lockheed Martin**
 CITY **Middle River**
 CUSTOMER NAME:
 CITY **Merritt Island**

STATE/PROVINCE **MD** ZIP/POSTAL CODE **21220**
 PHONE: **(804) 385-6185**
 STATE/PROVINCE **FL** ZIP/POSTAL CODE **32953**

B. WASTE DESCRIPTION

WASTE DESCRIPTION: **Block E UST Water - Elite/LMC**

PROCESS GENERATING WASTE: **Water generated from two USTs in Block E.**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	NUMBER OF PHASES/LAYERS <input checked="" type="checkbox"/> 1 2 3 TOP 0.00 % BY VOLUME (Approx.) MIDDLE 0.00 BOTTOM 0.00		VISCOSITY (if liquid present) <input checked="" type="checkbox"/> 1 - 100 (e.g. Water) 101 - 500 (e.g. Motor Oil) 501 - 10,000 (e.g. Molasses) > 10,000		COLOR <u>Light</u> <u>Brown</u>
	ODOR NONE <input checked="" type="checkbox"/> MILD STRONG Describe:	BOILING POINT °F (°C) <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)	MELTING POINT °F (°C) < 140 (<60) 140-200 (60-93) > 200 (>93)	TOTAL ORGANIC CARBON <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
FLASH POINT °F (°C) < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)	pH <= 2 2.1 - 6.9 7 (Neutral) <input checked="" type="checkbox"/> 7.1 - 12.4 >= 12.5	SPECIFIC GRAVITY < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	ASH <input checked="" type="checkbox"/> < 0.1 > 20 0.1 - 1.0 Unknown 1.1 - 5.0 5.1 - 20.0	BTU/LB (MJ/kg) <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:	

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	MAX	UOM
1,2,4-TRIMETHYLBENZENE	2.800000	4.400000	PPM
1,3,5-TRIMETHYLBENZENE	0.760000	1.100000	PPM
2,4-DIMETHYLPHENOL	0.013000	0.013000	PPM
2-CHLOROTOLUENE	0.350000	0.350000	PPM
2-METHYLNAPHTHALENE	0.002000	0.003000	PPM
ACETONE	0.017000	0.029000	PPM
BARIIUM	-	-	Trace
BENZENE	0.000000	1.000000	PPB
CARBAZOLE	1.000000	1.000000	PPB
DIESEL RANGE ORGANICS	2.600000	4.900000	PPM

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12' LONG, METAL REINFORCED HOSE >12' LONG, METAL WIRE >12' LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? **YES** **NO**

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? **YES** **NO**

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? **YES** **NO**

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. **YES** **NO**

Chemical disinfection or some other form of sterilization has been applied to the waste. **YES** **NO**

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. **YES** **NO**

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. **YES** **NO**

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. **G45** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. **W113**



E. CONSTITUENTS

Are these values based on testing or knowledge?

Knowledge Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

Table with columns: RCRA, REGULATED METALS, REGULATORY LEVEL (mg/l), TCLP mg/l, TOTAL, UOM, NOT APPLICABLE. Rows include ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, MERCURY, SELENIUM, SILVER.

VOLATILE COMPOUNDS

Table with columns: RCRA, REGULATED METALS, REGULATORY LEVEL (mg/l), TCLP mg/l. Rows include BENZENE, CARBON TETRACHLORIDE, CHLOROBENZENE, CHLOROFORM, 1,2-DICHLOROETHANE, 1,1-DICHLOROETHYLENE, METHYL ETHYL KETONE, TETRACHLOROETHYLENE, TRICHLOROETHYLENE, VINYL CHLORIDE.

SEMI-VOLATILE COMPOUNDS

Table with columns: RCRA, REGULATED METALS, REGULATORY LEVEL (mg/l), TCLP mg/l. Rows include o-CRESOL, m-CRESOL, p-CRESOL, CRESOL (TOTAL), 1,4-DICHLOROBENZENE, 2,4-DINITROTOLUENE, HEXACHLOROBENZENE, HEXACHLOROBUTADIENE, HEXACHLOROETHANE, NITROBENZENE, PENTACHLOROPHENOL, PYRIDINE, 2,4,5-TRICHLOROPHENOL, 2,4,6-TRICHLOROPHENOL.

PESTICIDES AND HERBICIDES

Table with columns: RCRA, REGULATED METALS, REGULATORY LEVEL (mg/l), TCLP mg/l. Rows include ENDRIN, LINDANE, METHOXYCHLOR, TOXAPHENE, 2,4-D, 2,4,5-TP (SILVEX), CHLORDANE, HEPTACHLOR (AND ITS EPOXIDE).

OTHER CONSTITUENTS

Table with columns: OTHER CONSTITUENTS, MAX, UOM, NOT APPLICABLE. Rows include BROMINE, CHLORINE, FLUORINE, IODINE, SULFUR, POTASSIUM, SODIUM, AMMONIA, CYANIDE AMENABLE, CYANIDE REACTIVE, CYANIDE TOTAL, SULFIDE REACTIVE.

HOCs

- NONE < 1000 PPM
 >= 1000 PPM

PCBs

- NONE < 50 PPM
 >= 50 PPM

IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES NO (If yes, explain)

CHOOSE ALL THAT APPLY

- DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS
POLYMERIZABLE RADIOACTIVE REACTIVE MATERIAL NONE OF THE ABOVE



REGULATORY STATUS

YES NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?
Texas Waste Code

YES NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: **Not subject to LDR**
VARIANCE INFO:

YES NO IS THIS A UNIVERSAL WASTE?

YES NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSGG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?
What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)
The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing
Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON DOT REGULATED, (WATER)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

CONTAINERIZED		<input checked="" type="checkbox"/> BULK LIQUID	BULK SOLID		
0-0 CONTAINERS/SHIPMENT		GALLONS/SHIPMENT: 400.00 Min -1500.00 Max	GAL.	SHIPMENT UOM:	TON YARD
STORAGE CAPACITY:				TONS/YARDS/SHIPMENT:	0 Min - 0 Max
CONTAINER TYPE:					
PORTABLE TOTE TANK	BOX/CARTON/CASE				
CUBIC YARD BOX	DRUM				
OTHER:	DRUM SIZE:				

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

B26B into BA - NHNR water

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

 AUTHORIZED SIGNATURE **THOMAS D. BLACKMAN** NAME (PRINT) **Project LEAD** TITLE **LOCKHEED MARIN** **APRIL 12, 2022** DATE

Addendum

D. COMPOSITION

CHEMICAL	MIN	MAX	UOM
ETHYLBENZENE	0.04700 00	0.0500 000	PPM
GASOLINE RANGE ORGANICS (GRO)	23.0000 000	34.000 0000	PPM
ISOPROPYLBENZENE	0.34000 00	0.4300 000	PPM
M,P-XYLENE	0.22000 00	0.4800 000	PPM
N-BUTYLBENZENE	0.06600 00	0.0800 000	PPM
N-PROPYLBENZENE	0.48000 00	0.4900 000	PPM
NAPHTHALENE	0.07300 00	0.1300 000	PPM
O-XYLENE	0.81000 00	2.1000 000	PPM
P-ISOPROPYLTOLUENE	0.04200 00	0.0490 000	PPM
SEC-BUTYLBENZENE	0.04300 00	0.0490 000	PPM
TERT-BUTYLBENZENE	0.00600 00	0.0060 000	PPM
TOLUENE	0.04900 00	0.1300 000	PPM
WATER	100.000 0000	100.00 00000	%
XYLENES (TOTAL)	1.00000 00	2.6000 000	PPM

F. REGULATORY STATUS



WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2321026B

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **MDR000524413** GENERATOR NAME: **Lockheed Martin**
 GENERATOR CODE (Assigned by Clean Harbors) **LO30185** CITY **Middle River** STATE/PROVINCE **MD** ZIP/POSTAL CODE **21220**
 ADDRESS **195 Chesapeake Park Plaza** PHONE: **(804) 385-6185**
 CUSTOMER CODE (Assigned by Clean Harbors) **EL21504** CUSTOMER NAME: **Elite Environmental and Petroleum Services Inc**
 ADDRESS **4722 Shannock Avenue** CITY **Merritt Island** STATE/PROVINCE **FL** ZIP/POSTAL CODE **32953**

B. WASTE DESCRIPTIONWASTE DESCRIPTION: **NHNR Soil and Concrete from vault removal-digging activities**PROCESS GENERATING WASTE: **Excavation of concrete vault and surrounding soil from former UST area
7 rolloffs of soil and 2 rolloffs of concrete**IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER? **No****C. PHYSICAL PROPERTIES (at 25C or 77F)**

PHYSICAL STATE <input checked="" type="checkbox"/> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	NUMBER OF PHASES/LAYERS 1 2 3 TOP 0.00 % BY VOLUME (Approx.) MIDDLE 0.00 BOTTOM 0.00				VISCOSITY (If liquid present) 1 - 100 (e.g. Water) 101 - 500 (e.g. Motor Oil) 501 - 10,000 (e.g. Molasses) > 10,000		COLOR Varies				
	ODOR <input checked="" type="checkbox"/> NONE MILD STRONG Describe:		BOILING POINT °F (°C) <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		MELTING POINT °F (°C) < 140 (<60) 140-200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)			TOTAL ORGANIC CARBON <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%			
	FLASH POINT °F (°C) < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)		pH <= 2 2.1 - 6.9 <input checked="" type="checkbox"/> 7 (Neutral) 7.1 - 12.4 >= 12.5		SPECIFIC GRAVITY < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) <input checked="" type="checkbox"/> > 1.2 (e.g. Methylene Chloride)				ASH < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0		BTU/LB (MJ/kg) <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	MAX	UOM
BARIUM (TCLP)	0.0000000	0.1500000	PPM
CONCRETE	20.0000000	30.0000000	%
DRO	25.0000000	65.0000000	PPM
ETHYLBENZENE	0.0000000	160.0000000	PPB
GRO	65.0000000	450.0000000	PPM
ISOPROPYLBENZENE	120.0000000	1800.0000000	PPB
SOIL	70.0000000	80.0000000	%
XYLENES	180.0000000	3200.0000000	PPB

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES NODOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. **G44** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. **W301**

E. CONSTITUENTS

Are these values based on testing or knowledge? Knowledge Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				<input checked="" type="checkbox"/>
D005	BARIUM	100.0	0.1500	0.1500000	PPM	
D006	CADMIUM	1.0				<input checked="" type="checkbox"/>
D007	CHROMIUM	5.0				<input checked="" type="checkbox"/>
D008	LEAD	5.0				<input checked="" type="checkbox"/>
D009	MERCURY	0.2				<input checked="" type="checkbox"/>
D010	SELENIUM	1.0				<input checked="" type="checkbox"/>
D011	SILVER	5.0				<input checked="" type="checkbox"/>
VOLATILE COMPOUNDS						
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROGENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
SEMI-VOLATILE COMPOUNDS						
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
PESTICIDES AND HERBICIDES						
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			<input checked="" type="checkbox"/>
CHLORINE			<input checked="" type="checkbox"/>
FLUORINE			<input checked="" type="checkbox"/>
IODINE			<input checked="" type="checkbox"/>
SULFUR			<input checked="" type="checkbox"/>
POTASSIUM			<input checked="" type="checkbox"/>
SODIUM			<input checked="" type="checkbox"/>
AMMONIA			<input checked="" type="checkbox"/>
CYANIDE AMENABLE			<input checked="" type="checkbox"/>
CYANIDE REACTIVE			<input checked="" type="checkbox"/>
CYANIDE TOTAL			<input checked="" type="checkbox"/>
SULFIDE REACTIVE			<input checked="" type="checkbox"/>

HOCs	PCBs
<input checked="" type="checkbox"/> NONE	<input checked="" type="checkbox"/> NONE
<input type="checkbox"/> < 1000 PPM	<input type="checkbox"/> < 50 PPM
<input type="checkbox"/> >= 1000 PPM	<input type="checkbox"/> >=50 PPM
IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?	
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES NO (If yes, explain)

CHOOSE ALL THAT APPLY

- DEA REGULATED SUBSTANCES
- EXPLOSIVE
- FUMING
- OSHA REGULATED CARCINOGENS
- POLYMERIZABLE
- RADIOACTIVE
- REACTIVE MATERIAL
- NONE OF THE ABOVE

F. REGULATORY STATUS

YES NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?
Texas Waste Code

YES NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: **Not subject to LDR**
VARIANCE INFO:

YES NO IS THIS A UNIVERSAL WASTE?

YES NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS ≥ 500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE $\geq .3$ KPA (.044 PSIA)?

YES NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?
What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)
The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing
Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:
NON D.O.T. REGULATED, (SOIL, CONCRETE)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER **9 x rollofs-240CUYD**

<input checked="" type="checkbox"/> CONTAINERIZED	BULK LIQUID	BULK SOLID
1-240 CONTAINERS/SHIPMENT	GALLONS/SHIPMENT: 0 Min - 0 Max	SHIPMENT UOM: TON YARD
STORAGE CAPACITY: 240		TONS/YARDS/SHIPMENT: 0 Min - 0 Max
CONTAINER TYPE: PORTABLE TOTE TANK BOXICARTONICASE <input checked="" type="checkbox"/> CUBIC YARD BOX DRUM OTHER: DRUM SIZE:		

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:
7 rollofs of soil and 2 rollofs of concrete

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

Thomas D. Sotekman **PROJECT LEAD** **APR 27, 2022**
AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

F. REGULATORY STATUS



Certificate of Disposal / Treatment - Storage and Transfer

Run Date: 6/2/2022

Manifested To Site: Baltimore, MD Facility
1910 Russell Street
Baltimore, MD 21230

EPA ID/Prov ID: MDD980555189

Generator ID	Manifest No.	Generation Date	Received Date
LO30185	BOL1514797	4/12/2022	4/12/2022
LO30185	BOL1514839	5/4/2022	5/4/2022
LO30185	BOL1514840	5/4/2022	5/4/2022
LO30185	BOL1514841	5/4/2022	5/4/2022
LO30185	BOL1514842	5/5/2022	5/5/2022
LO30185	BOL1514843	5/5/2022	5/5/2022
LO30185	BOL1514844	5/5/2022	5/5/2022
LO30185	BOL1514845	5/5/2022	5/5/2022
LO30185	BOL1514846	5/6/2022	5/6/2022
LO30185	BOL1514847	5/6/2022	5/6/2022

The above described waste, received at the Clean Harbors facility listed above pursuant to the manifest(s) listed above, has/will be treated and/or disposed of by Clean Harbors, or another licensed facility approved by Clean Harbors, in accordance with applicable federal, state and provincial laws and regulations. Any waste received by Clean Harbors and subsequently shipped to another licensed facility has been or shall be identified as being generated by Clean Harbors in accordance with 40CFR 264.71(c).

For waste imported/exported to/from Canada the waste has/will be disposed or recycled according to the Canadian export and import of hazardous waste or hazardous recyclable material regulation as published in the Canadian Gazette Part II, vol 139, No 11, SOR/2005-149 May 17, 2005

Under civil and criminal penalties of law for the making of submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Signed: Paul A. Melto

Date: 6/2/2022

Title: Director Facility Applications

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

SC PPW 3/1/2022

WORK ORDER NO. 2102314848-001

DOCUMENT NO. **1514839**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
 EPA ID # MAD039322200 TRANS. 1 PHONE (781) 792-8000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors of Baltimore Inc			SHIPPER Lockheed Martin <i>ATTN: Ashley Carter Tom BLACKMAN</i>		
FACILITY EPA ID # MDD980558189			SHIPPER EPA ID # NONREQUIRED		
ADDRESS 1910 Russell Street			ADDRESS 195 Chesapeake Park Plaza		
CITY Baltimore		STATE MD	ZIP 21230	CITY Middle River	
		STATE MD	ZIP 21220		
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	LM		A. NON D.O.T. REGULATED, (SOIL, CONCRETE)	25	Y
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS ACH2321026B EMERGENCY PHONE #: (800) 493-3718 GENERATOR: Lockheed Martin <i>RHA cont# 280 970</i>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <i>Joel Mullis</i>	PRINT <i>Joel Mullis - 661.474.6126</i>	SIGN <i>[Signature]</i>	DATE <i>04 May 2022</i>
TRANSPORTER 1	PRINT <i>P. S. Spear</i>	SIGN <i>[Signature]</i>	DATE <i>04 May 2022</i>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT <i>Valerie Saiba</i>	SIGN <i>Valerie Saiba</i>	DATE <i>05/04/22</i>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 04 May 2022

24.3 Tons

Generator

Lockheed Martin

Trailer # / Can #

280970

Manifest #

BOL 1514839

Driver Name

Patrick Spears

Full 84720

M/T 36120

48600

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

SC PPW 3/1/2022

WORK ORDER NO. BT 2108314648-001

DOCUMENT NO. **1514840**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
 EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-8000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors of Baltimore Inc			SHIPPER Lockheed Martin <i>ATTN: Ashley Carter</i> <i>Tom BLACKMAN</i>		
FACILITY EPA ID # MDD990555189			SHIPPER EPA ID # NONE REQUIRED		
ADDRESS 1910 Russell Street			ADDRESS 199 Chesapeake Park Plaza		
CITY Baltimore	STATE MD	ZIP 21220	CITY Middle River	STATE MD	ZIP 21220
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	CM		A. NON H.C.T. REGULATED, SOLID, CONCRETE	25	Y
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # 1-800-468-9718 GENUINE Lockheed Martin ACH22810268 RHR can # 279759					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <input checked="" type="checkbox"/>	PRINT <i>Josh Mullis</i>	SIGN	DATE <i>04 May 2022</i>
TRANSPORTER 1	PRINT <i>P. Spens</i>	SIGN	DATE <i>04 May 2022</i>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT <i>Valerie Saiba</i>	SIGN <i>Valerie Saiba</i>	DATE <i>05/04/22</i>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 04 May 2022

Generator Lockheed Martin

18.36 TONS

2108314648

Trailer # / Can #

R/R Com # 279759

Manifest # 306154840

Full

72840

M/T

36720

Driver Name Spear

36720

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

SC PPW 3/1/2022

WORK ORDER NO. 2108314648-001

DOCUMENT NO. 1514841

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4395
 EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors of Baltimore Inc			SHIPPER ATTN: Ashley Carter Lockheed Martin <i>TOM BLACKMAN</i>		
FACILITY EPA ID # MDD980555189			SHIPPER EPA ID # NON REQUIRED		
ADDRESS 1910 Russell Street			ADDRESS 190 Chesapeake Park Plaza		
CITY Baltimore		STATE MD	ZIP 21230	CITY Middle River	
STATE MD		ZIP 21220			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<i>001</i>	<i>CM</i>		A. NON D.O.T. REGULATED, (SOIL, CONCRETE)	<i>25</i>	<i>Y</i>
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (900) 483-3718 GENERATOR: Lockheed Martin A.CH23210268 <i>RHR Cont # 279834</i>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <i>Josh Mullis</i>	SIGN <i>[Signature]</i>	DATE <i>04 May 2022</i>
TRANSPORTER 1	PRINT <i>[Signature]</i>	SIGN <i>P. Sparr</i>	DATE <i>04 May 2022</i>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT <i>Alexis Custer</i>	SIGN <i>[Signature]</i>	DATE <i>5/2/22</i>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 04 May 2012

Generator Lockheed Martin

2608314648

6.83
TONS

Trailer # / Can #

0242 can # 279834

Manifest # BOL ~~274834~~

1514841

Full

49780

M/T

36120

Driver Name Spear

13660

Site Address : 2323 Eastern Boulevard
Middle River, MD 21220

SC PPW 3/1/2022

WORK ORDER NO. BT 2108314648-001

DOCUMENT NO. **1514842**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
 EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>Clean Harbors of Baltimore Inc</u>			SHIPPER <u>ATTN: Ashley Carter</u> <u>Lockheed Martin</u> <u>Tor Blackman</u>		
FACILITY EPA ID # <u>MDD980555189</u>			SHIPPER EPA ID # <u>NONE REQUIRED</u>		
ADDRESS <u>1510 Russell Street</u>			ADDRESS <u>190 Chesapeake Park Plaza</u>		
CITY <u>Baltimore</u>		STATE <u>MD</u>	ZIP <u>21230</u>	CITY <u>Middle River</u>	
STATE <u>MD</u>		ZIP <u>21220</u>		STATE <u>MD</u>	
ZIP <u>21220</u>		STATE <u>MD</u>		ZIP <u>21220</u>	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>001</u>	<u>CM</u>		A. <u>NON HAZ. REGENERATED (POW) CONCRETE</u>	<u>25</u>	<u>Y</u>
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>A.GH23210298</u> <u>B.YR Can # 280639</u>			EMERGENCY PHONE #: <u>(800) 493-3718</u> GENERATOR: <u>Lockheed Martin</u>		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>JSH MULLIS</u>	SIGN <u>[Signature]</u>	DATE <u>05 May 2022</u>
TRANSPORTER 1	PRINT <u>P. Spear</u>	SIGN <u>[Signature]</u>	DATE <u>05 May 2022</u>
TRANSPORTER 2	PRINT _____	SIGN _____	DATE _____
RECEIVED BY	PRINT <u>Valerie Saliba</u>	SIGN <u>Valerie Saliba</u>	DATE <u>05/05/22</u>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 05 May 2022

Generator Lockheed Martin

8.08 TONS

2108314648

Trailer # / Can #

R42 280639

Full 52400

Manifest # 801514942

M/T 36240

Driver Name

Spears

16160

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

SC PRW 3/1/2022

WORK ORDER NO. 2108314648-001

DOCUMENT NO. 1514843

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
 EPA ID # MAD039322250 TRANS. 1 PHONE (781)792-5000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>Clean Harbors of Baltimore Inc</u>		SHIPPER <u>Lockheed Martin</u> <i>ATTN: Ashley Carter</i>			
FACILITY EPA ID # <u>MDD980555189</u>		SHIPPER EPA ID # <u>NON REQUIRED</u>			
ADDRESS <u>1010 Russell Street</u>		ADDRESS <u>100 Chesapeake Park Plaza</u>			
CITY <u>Baltimore</u>	STATE <u>MD</u>	ZIP <u>21230</u>	CITY <u>Middle River</u>		
CITY <u>Middle River</u>	STATE <u>MD</u>	ZIP <u>21220</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>001</u>	<u>CM</u>		A. <u>NON D.O.T. REGULATED (SOIL, CONCRETE)</u>	<u>25</u>	<u>Y</u>
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>ACH23210268</u> <u>R4R Can # 279903</u>			EMERGENCY PHONE #: <u>(800)483-3718</u> GENERATOR: <u>Lockheed Martin</u>		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <u>X</u>	PRINT <u>Josh Mullis</u>	SIGN <u>[Signature]</u>	DATE <u>05 May 2022</u>
TRANSPORTER 1	PRINT <u>P. Speas</u>	SIGN <u>[Signature]</u>	DATE <u>05 May 2022</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT <u>Valerie Saliba</u>	SIGN <u>Valerie Saliba</u>	DATE <u>5/5/22</u>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 05 May 2002

Generator Lockheed Martin

8.34 TONS

2108314648

Trailer # / Can #

RVB 279903

Manifest #

BOL 1514843

Driver Name

Spear

Full 52900

M/T 36220

16680

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

SC PPW 3/1/2022

WORK ORDER NO. BT 2108314848-001

DOCUMENT NO. **1514844**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
 EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>Clean Harbors of Baltimore Inc</u>			SHIPPER <u>Lockheed Martin</u> ATTN: ATMY GIBBY <i>DR. OLACKMAN</i>		
FACILITY EPA ID # <u>MD0990555189</u>			SHIPPER EPA ID # <u>NONE REQUIRED</u>		
ADDRESS <u>500 Russell Street</u>			ADDRESS <u>300 Chesapeake Park Plaza</u>		
CITY <u>Baltimore</u>		STATE <u>MD</u>	ZIP <u>21230</u>	CITY <u>Middle River</u>	
STATE <u>MD</u>		ZIP <u>21220</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>001</u>	<u>CM</u>		<u>A. NON D.O.T. REGULATED (SOL. CONCENTR)</u>	<u>25</u>	<u>Y</u>
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>RHR can # 290302</u>			EMERGENCY PHONE # <u>(800) 493-3718</u> GENERATOR: <u>Lockheed Martin</u>		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <u>DR</u>	PRINT <u>Josh Mullis</u>	SIGN <u>[Signature]</u>	DATE <u>05 May 2022</u>
TRANSPORTER 1	PRINT <u>P. S. Pearson</u>	SIGN <u>[Signature]</u>	DATE <u>05 May 2022</u>
TRANSPORTER 2	PRINT _____	SIGN _____	DATE _____
RECEIVED BY	PRINT <u>Valerie Saliba</u>	SIGN <u>Valerie Saliba</u>	DATE <u>05/05/22</u>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 05 May 2022

Generator Lockheed Martin	6.065 TONS
Trailer # / Can # 2108314648 RTRcan # 290302 Manifest # BOL 1514844 Driver Name Spears	Full 48750 M/T 36220 <hr/> 12130

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

SC PPW 3/1/2022

WORK ORDER NO. BT 2108314648-001

DOCUMENT NO. **1514845**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
 EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>Clean Harbors of Baltimore Inc</u>		SHIPPER <u>Lockheed Martin</u> <i>ATTN: Ashley Carter for BLACKMAN</i>			
FACILITY ID # <u>0555189</u>		SHIPPER REQUIRED			
ADDRESS <u>10 Russell Street</u>		ADDRESS <u>Crane Park Plaza</u>			
CITY <u>Baltimore</u>	STATE <u>MD</u>	ZIP <u>21230</u>			
CITY <u>Middle River</u>	STATE <u>MD</u>	ZIP <u>21220</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS <small>NON-D.O.T. REGULATED (NON-CONCRETE)</small>	TOTAL QUANTITY	UNIT WT/VOL
<u>001</u>	<u>LM</u>		A.	<u>25</u>	<u>Y</u>
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>RHR Can # 280300</u>		EMERGENCY PHONE # <u>(800) 483-3710</u> GENERATOR: <u>Lockheed Martin</u>			

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <input checked="" type="checkbox"/>	PRINT <u>Josh Mullis</u>	SIGN	DATE <u>05 May 2022</u>
TRANSPORTER 1	PRINT <u>P. Spears</u>	SIGN	DATE <u>05 May 2022</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT <u>Valerie Saiba</u>	SIGN <u>Valerie Saiba</u>	DATE <u>05/05/22</u>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 05 May 2022

Generator Lockheed Martin

9.9 TONS

2108314648

Trailer # / Can #

RYR # 280300

Manifest # 1506

1514845

Driver Name

Spears

Full 55920

M/T 36120

19800

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

9C PPW 3/1/2022

BT 2108314849-061
WORK ORDER NO. _____

DOCUMENT NO. 1514846

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000
TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>Clean Harbors of Baltimore Inc</u>		SHIPPER <u>Lockheed Martin</u> <i>ATTN: Ashley Carter</i> <i>Tom Blackman</i>			
FACILITY EPA ID # <u>55189</u>		SHIPPER REQUIRED			
ADDRESS <u>10 Russell Street</u>		ADDRESS <u>Scrapake Park Plaza</u>			
CITY <u>Baltimore</u>	STATE <u>MD</u>	ZIP <u>21230</u>			
CITY <u>Widdle River</u>	STATE <u>MD</u>	ZIP <u>21220</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>001</u>	<u>CM</u>		<u>NON D.O.T. RESOLATED, POLY CONCRETE</u>	<u>25</u>	<u>Y</u>
			A.		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>RHR cont 204176</u>			EMERGENCY PHONE # <u>180014639718</u> GENERATOR: <u>Lockheed Martin</u>		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <u>PRINT</u> <i>J. Smith Mullis</i>	SIGN <i>[Signature]</i>	DATE <u>06/19/2022</u>
TRANSPORTER 1 <u>PRINT</u> <i>P. Spears</i>	SIGN <i>[Signature]</i>	DATE <u>06 May 2022</u>
TRANSPORTER 2 <u>PRINT</u>	SIGN	DATE
RECEIVED BY <u>PRINT</u> <i>Valerie Saliba</i>	SIGN <i>Valerie Saliba</i>	DATE <u>05/06/22</u>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 06 May 2022

Generator Lockheed Martin

14.0 TONS

2108314648

Trailer #/Can #

R4R can # 204176

Manifest #

BS061514846

Driver Name

Spears

Full 65320

M/T 36120

29200

Site Address: 2323 Eastern Boulevard
Middle River, MD 21220

SC PPW 3/1/2022

WORK ORDER NO. BT 2108314648-001

DOCUMENT NO. **1514847**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 4345
 EPA ID # MAD039322250 TRANS. 1 PHONE (781)792-5000
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

ATTN: Ashley Carter

DESIGNATED FACILITY <u>Clean Harbors of Baltimore Inc</u>			SHIPPER <u>Lockheed Martin</u> <i>Tom Blackman</i>		
FACILITY ID # <u>0555489</u>			SHIPPER REG ID # <u>RED</u>		
ADDRESS <u>10 Russell Street</u>			ADDRESS <u>Chesapeake Park Plaza</u>		
CITY <u>Baltimore</u>		STATE <u>MD</u>	ZIP <u>21230</u>	CITY <u>Middle River</u>	
STATE <u>MD</u>		ZIP <u>21220</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>001</u>	<u>CM</u>		<u>NON D.O.T. REGULATED, POLY CONCRETE</u>	<u>25</u>	<u>Y</u>
			A.		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>rain barrel can # 280300 280540</u>			EMERGENCY PHONE # <u>(800)482-3749</u> GENERATOR <u>Lockheed Martin</u>		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Jose Kullis</u>	SIGN	DATE <u>06 MAR 22</u>
TRANSPORTER 1	PRINT <u>P. Spears</u>	SIGN	DATE <u>06 MAR 22</u>
TRANSPORTER 2	PRINT _____	SIGN _____	DATE _____
RECEIVED BY	PRINT <u>Valerie Saliba</u>	SIGN <u>Valerie Saliba</u>	DATE <u>05/06/22</u>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date 06 May 2002

Generator Lockhard m-8th

13.74
Tons

2108314648

Trailer # / Can # 280540

RMR count 280500

Manifest # ROL 15 14 845

Full 63600

M/T 36120

27480

Driver Name Speers

Site Address: SAME

SC PPW 8/1/2021

WORK ORDER NO. BT 2108314649-008

DOCUMENT NO. **1514797**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbor Environmental Services, Inc. VEHICLE ID # 4004

EPA ID # MD0000022258 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbor Environmental Services, Inc.			SHIPPER Lakeland Martin <i>Attn Tom Blechman</i>		
FACILITY EPA ID # MD0000055188			SHIPPER EPA ID # MD0000055188 <i>MDR00052413</i>		
ADDRESS 2910 Russell Street			ADDRESS 2285 Eastern Boulevard		
CITY Baltimore		STATE MD	ZIP 21230	CITY Middle River	
STATE MD		ZIP 21220		STATE MD	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<i>001</i>	<i>TT</i>		<i>A. NON DOT REGULATED, (water)</i>	<i>595</i>	<i>G</i>
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <i>15.75'</i>			EMERGENCY PHONE # 1-800-463-3715 GENERATOR Lakeland Martin		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	<i>PRINT</i> <i>Josh Mullis for Lakeland Martin</i>	SIGN	<i>[Signature]</i>	DATE	<i>12 Apr 2022</i>
TRANSPORTER 1	<i>PRINT</i> <i>P. Spears</i>	SIGN	<i>[Signature]</i>	DATE	<i>12 Apr 2022</i>
TRANSPORTER 2	<i>PRINT</i>	SIGN		DATE	
RECEIVED BY	<i>PRINT</i> <i>Valerie Saliba</i>	SIGN	<i>Valerie Saliba</i>	DATE	<i>4/12/22</i>

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Clean Harbors of Baltimore, Inc.
1910 Russell Street
Baltimore, MD 21230

Date April 12, 2022

Generator Lmc

Trailer # / Can # 4004

Manifest # BOL 1514797

Driver Name Spears

Full 28740

M/T 23880

4860

APPENDIX E—TANK DISPOSAL INFORMATION

UIM East
P.O. Box 4452
Baltimore, MD 21223
Phone: 410 522-1774
Fax: 410 522-1555



Ticket # 1970262
Date 04/14/22 12:05 PM

MATERIAL PURCHASE

ITEMS

Material: SHEET IRON

Gross: 11,160

Tare:

Tare2:

Contam:

Net: 11,160

U.Price: .00

Ext. Price: .00

Payment Total \$.00

SIGNATURE _____



* 1 9 7 0 2 6 2 *

*Seller warrants full title or authority to
sell listed materials, represents that listed

ELER

Truck #

Trailer #

Dispatch #

290194

Black Gray Green T

ID Update New

Other _____

Status: PD SC PC

71M 568

11160 lb

PM 06/17/2035

10060 lb

Due Diligence Form

Overview	
Disposal facility:	<u>Facility name:</u> United Iron and Metal <u>Address:</u> 909 Millington Ave, Baltimore, MD 21223 4300 Pulaski Highway, Baltimore, MD 21224
Disposal facility POC:	<u>Name:</u> Mark Harrison <u>Phone number:</u> 301.252.3712
Disposal facility type: <small>(landfill, recycler, etc.)</small>	Metal Recycler
Disposal facility waste permit: <small>Note: include permit # and issuing agency</small>	MDOT AD&R License: #X00008094824 and #X00008094826
LM reviewer:	<u>Business Area:</u> Ethics and Enterprise Assurance / Enterprise Operations <u>Facility:</u> Middle River Complex (Disc Ops) <u>Reviewer Name:</u> Tom Blackman
Review date:	5/18/21

Due Diligence Questions
1. Does the facility maintain a waste/material acceptance plan?
No
2. What incoming materials are disposed/recycled onsite and what materials are shipped to other facilities for disposal/recycling?
Scrap metal shredded onsite and sent to smelter
a. What are the names and locations of those facilities?
Various smelters based on type of metal and price
3. Does the facility have an Environmental Safety & Health training program?
Yes

4. Does the facility have a contact for Environment, Safety, and Health management? <small>Note: provide contact name and phone number</small>	
Yes, Crystal Cole 410.384.4199	
5. Does the site have engineering controls to prevent contaminant migration (e.g. stormwater collection or treatment, liners or leachate collection system)?	
Yes	
6. Describe any fires, explosions, or reportable spills or releases occurring within the past 3 years.	
None	
7. Describe any environmentally-related inspections and consequent alleged violations, citations and/or fines received by the facility in the last 3 years.	
None	
8. Has there been any significant, environmentally-related litigation against the site or the site operator in the last five years? <small>Note: Litigation refers to legal action taken by non-government organizations or private citizens</small>	
No	
9. Does the facility have any environmental regulatory permits not listed above? <small>Note: include permit # and issuing agency</small>	
No	
10. What will be the ultimate fate of LM wastes disposed of/recycled at this facility?	
Scrap metal will be shredded onsite and sent to smelter.	

LM Reviewer Approval	
Approved? <small>(yes or no.)</small>	Yes
Signature and date:	<u>Signature:</u>  <u>Date:</u> 05-18-2021