



September 9, 2021

Mr. Gordon Box
GeoEnvironmental Project Manager
Geotechnical Engineering Unit
1020 Birch Ridge Drive
Raleigh, NC 27610
Email : ghbox@ncdot.gov

TIP Number: R-5768
WBS Number: 44670.1.1
County: STOKES
Description: US 311, NC 65 in Walnut Cove- Upgrade Intersection

Subject: **Proper Management of Impacted Soil and Water**

Parcel #	Owner	Address
1	NCDOT formerly Hunter & Cynthia Willard	425 S Main St. Walnut Cove, NC
3	NCDOT formerly Duane Sutphin	407 S Main St. Walnut Cove, NC

Dear Mr. Box:

As requested by NCDOT, Pyramid Environmental & Engineering, P.C. (Pyramid) has completed the proper management of impacted soils and water at Parcel 1 and Parcel 3, located at 425 & 407 South Main Street, Walnut Cove, North Carolina. A Preliminary Site Assessment (PSA) was performed by Pyramid in 2019 and identified no USTs within the proposed right of way (ROW) area. The location of the site is shown on **Figure 1**. The location of the site features relative to the 2019 proposed ROW line are shown on **Figure 2**.

The NCDOT purchased additional property, adjacent to the proposed right-of-way, and an Oil-Water Separator (OWS) was located behind a car wash on the additional land. The demolition contractor found the OWS which contained water and sediment that needed to be removed and properly disposed. On another area of the project, some petroleum contaminated soil was discovered near a former heating oil tank (which was also outside the proposed ROW). The soil was excavated by the ROW demolition contractor and was stockpiled on plastic for disposal.

Pyramid prepared and submitted a proposal to complete the following scope of work:

Scope of Work

- Remove the fluid from vessels at Parcel 1 (approximately 750 gallons) generated from historical car wash operations (depth of fluid is reportedly approximately 6 ft. in two vessels).
- Remove approximately one (1) cubic yard (approximately 1.5 ton) of impacted soil at Parcel 3 (depth of excavation is reportedly approximately 2 ft. by width of 4 ft. by 4 ft.).
- Properly dispose of any impacted fluid and petroleum-impacted soils.
- On reports and NCDEQ forms attribute UST ownership to former property owner (see subject above)
- Prepare a letter report documenting your activities. Submit one electronic DocuSign copy to this office.
- The investigation report is requested to be due October 6, 2021.

After the work was approved by NCDOT GeoEnvironmental, Pyramid began the work with a site visit and soil sampling on August 10, 2021. Brett Higgins of Pyramid went to the site to locate the Oil-Water Separator (OWS) and examine access to perform the work. The OWS was reasonably accessible and was full of water and sediment.

Brett also collected a composite soil sample from the petroleum contaminated soil stockpile for laboratory analysis. Soil samples were collected from 6 locations within the stockpile and composited into a single sample for laboratory analysis. The composite soil sample was analyzed at RedLab in Wilmington, NC using the Ultra-Violet Fluorescence (UVF) analyses for petroleum compounds. The analyses Included:

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)
- Gasoline Range Organics (GRO)
- Diesel Range Organics (DRO)
- Polycyclic Aromatic Hydrocarbons (PAH) total aromatics, and
- Benzo-a-Pyrene (BaP)

The soil pile was covered with plastic and weighted down with rocks and hay until the soil removal could be arranged. The source of the petroleum contamination was #2 fuel oil from an AST located on the additional property purchased by NCDOT. The laboratory analytical results are presented in **Attachment A**, and showed low levels of petroleum contamination, especially Diesel Range Organics (DRO). The composite analysis was used to prepare and submit a waste profile to the disposal facility which is presented in **Attachment B**. The soil profile was accepted by AES and the shipment of the soil was approved.

Once the soil removal was arranged, the contractor CCI agreed to meet Pyramid at the site on Thursday, August 19, 2021 to remove the contaminated soil and clean out the OWS. However, on Thursday morning after mobilization, the vacuum truck driver called in sick, and the clean-up date was rescheduled to Wednesday, August 25, 2021.

On Wednesday, August 25th, Josh Dasnoit of Pyramid, met with the vacuum truck driver and two technicians of CCI to conduct the site clean-up. The contaminated soil stockpile and plastic was loaded into the dump truck for transportation to the disposal facility. The vacuum truck operator began vacuuming liquids and cleaning the OWS. The two openings on top of the separator were used to access the separator, pressure wash the inside, and clean out the sediment. The pressure-washer removed the sludge from the sides and bottom of the concrete OWS. The pressure washer filter clogged, and it took more than an hour to get it working so that the project could be finished. The equipment was repaired, and the clean-up operations resumed, and the tank was cleaned.

After work was completed, Josh Dasnoit of Pyramid signed the manifests for the soil and water. Photographs of the OWS and stockpile area before and after cleanup are provided in **Attachment C**. The signed Manifests and weight ticket are provided in **Attachment D**. The contractor transported the contaminated soil to AES, and the OWS sludge was disposed at the CCI facility. The OWS was covered with the original concrete lids after work was completed.

This report presents the documentation of the successful cleaning of the OWS and the disposal of the petroleum contaminated soils. If you have any questions or comments, please call me at (336) 335-3174 ext. 124.

Sincerely,


Michael G. Jones, LG
Operations Manager



Figures 1 & 2
Attachments A - D

Figures

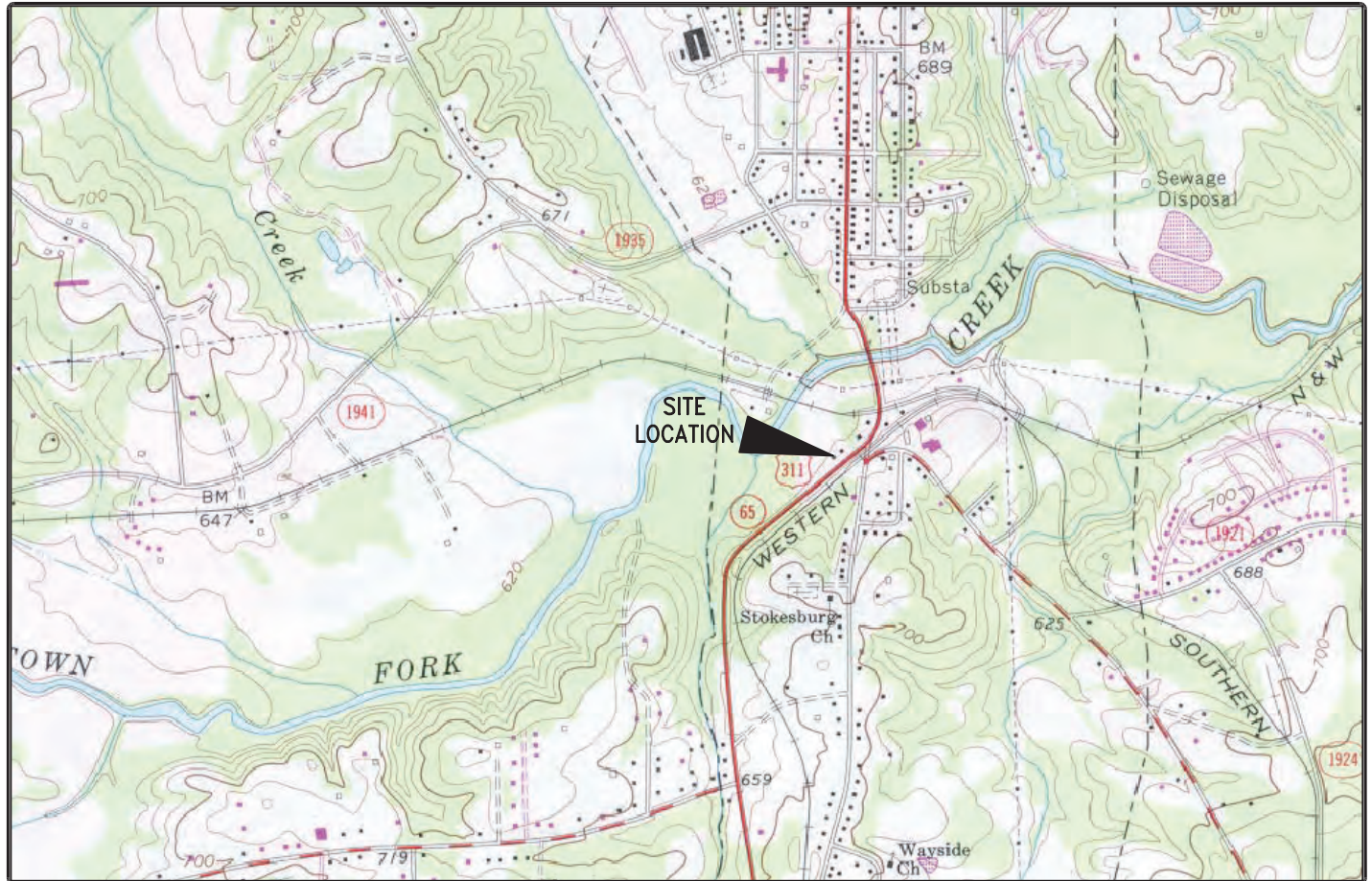
USGS TOPOGRAPHIC MAP

SITE:

425 S. MAIN STREET

LOCATION:

WALNUT COVE, NORTH CAROLINA



USGS IDENTIFICATION

SCALES

USGS 7.5
MINUTE MAP

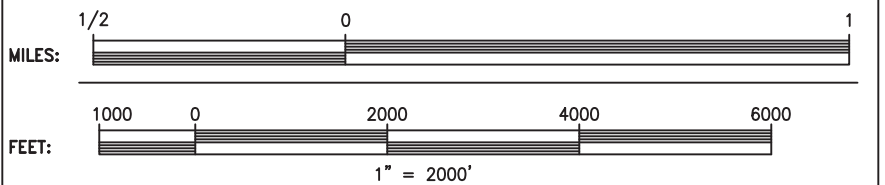
WALNUT COVE, N.C.

ORIGINAL DATE:

1971

PHOTOREVISION
DATE:

1986



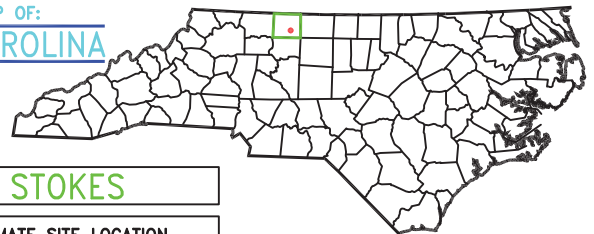
	PRIMARY HIGHWAY, HARD SURFACE
	SECONDARY HIGHWAY, HARD SURFACE
	LIGHT-DUTY ROAD HARD OR IMPROVED SURFACE
	UNIMPROVED ROAD
	STATE ROAD
	U.S. ROUTE
	INTERSTATE ROUTE

NOTES: TOPOGRAPHICAL CONTOUR INTERVAL = 20 FEET
 PHOTOREVISIONS DENOTED IN PURPLE

MAGNETIC
NORTH



COUNTY MAP OF:
NORTH CAROLINA



COUNTY: **STOKES**

APPROXIMATE SITE LOCATION



CLIENT: NCDOT PROJECT R-5768

PROPERTY NAME: 425 S. MAIN ST., PARCEL 1

CITY: WALNUT COVE STATE: NORTH CAROLINA

TITLE: TOPOGRAPHIC MAP

SCALE:
1"=2000'

DATE:
4/4/19

DRAWING NAME:
USGSTOPO

DRAWN BY: KAM

CHECK BY: EC

JOB NO.: 2019-074
TYPE: PSA

FIGURE NUMBER:
1

NOTES

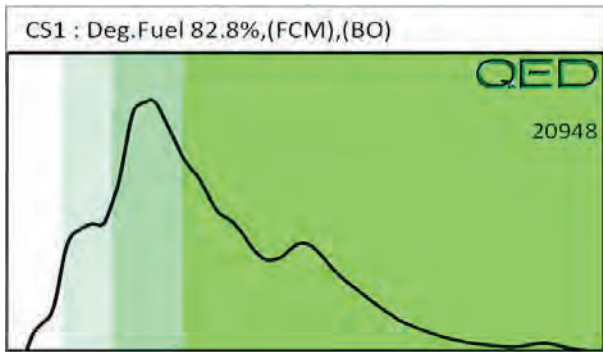
TOPOGRAPHIC MAP USED IN THIS GRAPHIC IS MAPPED, EDITED, AND PUBLISHED BY THE UNITED STATES GEOLOGIC SURVEY, DEPARTMENT OF THE INTERIOR, RESTON VIRGINIA.

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS.

Attachment A

QED Hydrocarbon Fingerprints

Project: Pyramid Project #2021-230 - NCDOT R-5768 Soil Stockpile



Attachment B

NON-HAZARDOUS MATERIAL PROFILE SHEET

I. GENERATOR'S INFORMATION

NAME: NCDDT R.O.W. / PYRAMID ENVIRO consultant
CONTACT PERSON: MIKE JONES / "
PHONE #: 336 335-3174 FAX #: _____
MAILING ADDRESS: 503 INDUSTRIAL AVE, GREENSBORO, NC 27406

II. CUSTOMER'S INFORMATION

NAME: CE Environmental Services
CONTACT PERSON: Jason Jones
PHONE #: 910-759-1842 FAX #: _____
MAILING ADDRESS: 281 Lane Parkway, Salisbury NC 28146

III. MATERIAL DESCRIPTION

**MATERIALS MATRIX: SOIL/ WATER/ OTHER: **CONTAMINATES: Soil
 virgin product non-virgin product leaded gasoline unleaded gasoline
 diesel transmission fluids gasohol jp-4/jet/a/ jet fuel
 kerosene oils mineral oil Stoddard solvent/ verso waste oils
 #2 fuel oil #4 fuel oil #5 fuel oil #6 fuel oil hydraulic oils
 mineral oil lubrication/ cutting mineral spirits motor oils naphthalene

OTHER CONTAMINANT(S), LIST SPECIFICALLY: #2 FUEL OIL

**SOURCE OF CONTAMINANT(S):

- above ground storage tank (AST)
- underground storage tank (UST)
- farm/residential tank of 1100 gallons or less for storing motor fuel for non-commercial purposes
- tank used for heating oil/ boiler fuel for consumptive use on premise where stored
- pipeline
- surface impoundment, pit, pond or lagoon
- storm water or wastewater collection system
- flow-through process tank
- tank in underground area (basement/ mine/ tunnel) situated upon or above the floor
- surface spill/ release (not related to a UST system)

**OTHER SOURCE(S) OF CONTAMINANT(S), LIST SPECIFICALLY: NA

**ORIGNATION POINT OF MATERIAL (Be specific: street, city, state):

**CURRENT LOCATION OF MATERIAL (if different from above): 407 S. MAIN ST. WALKER CAFE, NC

IV. GENERATOR CERTIFICATION By signing this profile sheet, the Generator (or the Generator's Authorized Agent) certifies that unless clearly stated above or in attachments:

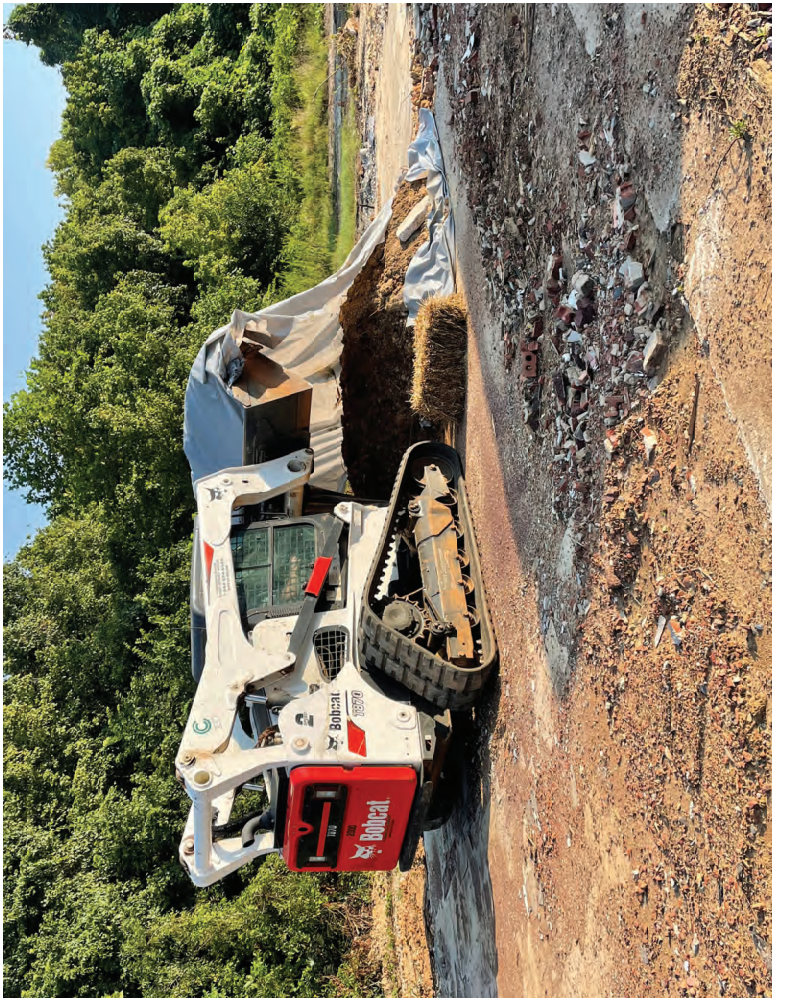
1. This material is not a "hazardous waste/ hazardous substance", as defined by USEPA, RCRA, CERCLA, OR ANY North Carolina or Federal Regulation;
2. This material does not contain any PCB's (polychlorinated Biphenyls)
3. This material does not contain any herbicides or pesticides; and
4. This profile sheet and its attachments contain true and accurate descriptions of the subject material, and all relevant information regarding known or suspected hazards in the possession of the Generator (of the Generator's Authorized Agent) has been disclosed
5. If Earthtec of NC, Inc. discovers, after having taken delivery of the subject material, that any of the material does not conform to the identification and description on this profile sheet, the Earthtec of NC, Inc. shall provide notice of such condition to the Generator (or the Generator's Authorized Agent) and coordinate the return of non-conforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator (or the Generator's Authorized Agent). The Generator and the Generator's Authorized Agent agree to reimburse Earthtec of NC, Inc. for any and all expenses involved in characterizing, handling, and disposing of the material properly, including without limitation, the costs of sampling, analysis, treatment, disposal, transportation, legal fees, consulting fees, fines and penalties.

NCDDT / Pyramid - Ops. Mgr.
*Generator's/ Generator's Agent Title

MICHAEL JONES 8/12/21
**Name (Type or Print) Date

Michael Jones

Attachment C









Attachment D

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>Pyramid Environmental & Engineering 305 NCDOT Raleigh NC 27699-1589</i>					
4. Generator's Phone ()					
5. Transporter 1 Company Name <i>CCI</i>		6. US EPA ID Number		A. State Transporter's ID	
7. Transporter 2 Company Name					
8. US EPA ID Number		C. State Transporter's ID			
9. Designated Facility Name and Site Address <i>CCI</i>					
10. US EPA ID Number		E. State Facility's ID			
F. Facility's Phone					
11. WASTE DESCRIPTION			12. Containers No.	Type	13. Total Quantity
a.					14. Unit Wt./Vol.
<i>non hazardous sludge and water mixed</i>			<i>001</i>	<i>TT</i>	<i>859</i>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name <i>Josh Dasnoit</i>			Signature <i>Josh Dasnoit</i>		Date <i>08/25/01</i>
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature <i>William Dougherty</i>		Date <i>08/25/01</i>
Printed/Typed Name <i>William Dougherty</i>			Signature		Date
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Date
Printed/Typed Name			Signature		Month Day Year
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name <i>Jason Jany</i>			Signature <i>JJ</i>		Date <i>8/25/01</i>

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>Pyramid Environmental & Engineering</i>		<i>50 NC DOT 1589 Paul Service Center Raleigh, NC 27699-1589</i>		
4. Generator's Phone ()	5. Transporter 1 Company Name <i>CCI</i>	6. US EPA ID Number	A. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 1 Phone		
9. Designated Facility Name and Site Address <i>CCI</i>	10. US EPA ID Number	C. State Transporter's ID		
		D. Transporter 2 Phone		
		E. State Facility's ID		
		F. Facility's Phone		

11. WASTE DESCRIPTION	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. <i>non-hazardous dirt</i>		<i>DT</i>	<i>6.55</i>	<i>tons</i>
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above	H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name <i>Josh Dasnoit</i>	Signature <i>Josh Dasnoit</i>	Date Month <i>8</i> Day <i>25</i> Year <i>21</i>
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17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name <i>Jeff Lopp</i>	Signature <i>Jeff Lopp</i>	Date Month <i>8</i> Day <i>25</i> Year <i>21</i>

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date Month Day Year


19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.		
Printed/Typed Name <i>Juan Semp</i>	Signature <i>Juan Semp</i>	Date Month <i>8</i> Day <i>26</i> Year <i>21</i>

NON-HAZARDOUS WASTE GENERATOR



AES of NC, LLC
 Post Office Box 310
 Sanford, NC 27341
 (Phone #: 919-774-4317
 Fax #: 919-774-6415
 Email: ibounsa.aes@gmail.com

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2019
 JOE F. HOLDER**

42672
INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST

Project Number: 24197	Load Number: 1
Consultant:	Contact:
Generator: Pyramrd Walnut Cove	Contact: Keish Burch
Transporter: CCI Environmental	Phone: 704 650 1298
Destination: AES of NC, LLC 3841 Cunningham Rd. Thomasville, NC 27380	Contact: Scott Keller / Frankie Holder
Waste Description: Dirt	Phone: 919-774-4517 or 919-774-7703
Track #: 7008	Date of Originator: 1589 Mail Service Center Raleigh NC 27629
	Gross Weight: 08:33am 08/26/2021
	Tare Weight: 19 ID. NO. 44240 1b GR
	Net Weight: 31140 1b TR-RECALLED 13100 1b MT
	6.55 tons

Generator's Certification: I certify that the materials described above on this manifest are NOT subject to federal regulations for reporting, moving, storage or disposal of HAZARDOUS WASTE.

Generator/Agent Signature: 

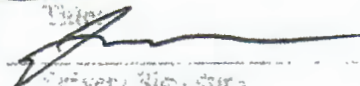
8-26-21

Acknowledgment of Receipt of Manifest:

Title:

Date:

8-26-21

Driver's Signature: 

Date:

Printed Description:

Inspected & Accepted (except as noted) by: **AES of NC, LLC**

Accepted By: **Frankie Holder**

Date: **8-26-21**