



# NON-HAZARDOUS LIQUID WASTE TRANSPORTERS PERMIT APPLICATION

Groundwater Discharges Section, Division of Water  
DE Department of Natural Resources and Environmental  
Control

89 Kings Highway, Dover DE 19901  
(302) 739-9948

1. Permit Number (For renewals only):

DE-OH-135

## 2. Company Information

Company Name: City of Rehoboth Beach

Telephone: 302-227-7979

Fax:

Address (street, city, state and zip code): 229 Rehoboth Ave, Rehoboth Beach, Delaware, 19971

Company Email Address & Contact Name: bwoods@cityofrehoboth.com, Bill Woods

## 3. Owner/President Business Information

Name: Bill Woods

Business Telephone: 3022277979

Business Address if different from above (street, city, state and zip code):

## 4. Vehicle(s) Information (Attach additional sheets if necessary to identify each vehicle used for transport.)

	Make	Model	Year	Vehicle Type (Tank, Trailer, Etc.)	License Plate Number	State of Registration	Capacity (gal)
1	Heil	Heil	1986	trailer	T62067	Delaware	6,000
2	Fruehauf	Fruehauf	1990	trailer	T65236	Delaware	6000

\* Please submit a Certificate of Insurance for each vehicle listed demonstrating commercial automobile liability insurance with a combined single limit of at least \$100,000.

*Certificate of insurance uploaded: **CERT.pdf***

## 5. Please Check Type(s) of Waste Being Transported and Provide the Information Requested in the Indicated Sections for Each Waste Type Checked

	<input checked="" type="checkbox"/>	Waste Type	Quantity Collected
i.	<input type="checkbox"/>	Septage	gal/yr
ii.	<input type="checkbox"/>	Holding Tank Waste	gal/yr
iii.	<input type="checkbox"/>	Grease Trap Waste and/or Cooking Oil Waste	gal/yr
iv.	<input type="checkbox"/>	Portable Toilet Waste	gal/yr
v.	<input checked="" type="checkbox"/>	Municipal or Industrial Biosolids	1,054 # wet tons/yr
vi.	<input type="checkbox"/>	Sludge From Package Treatment Plants	# wet tons/yr
vii.	<input type="checkbox"/>	Other Non-Hazardous Liquid Waste	gal/yr

### Documents required for all new permit applications *and* renewals:

- Attach an Operation Plan detailing the following:
  - a spill reporting and clean-up plan,
  - plans for cleaning vehicles,
  - recordkeeping procedures and
  - days and hours of operation.
- Attach a list of all disposal facilities to be used. Include a copy of the permit/authorization letter from each disposal facility stating the company is currently authorized to discharge the requested waste stream (i.e. septage, holding tank waste, portable toilet waste, etc.) to the facility. Authorization documentation is required for both new and renewal applications.

### **7 DelC §6023(d): No person shall haul, convey or transport any liquid waste in any container without a license issued by the Department.**

Septage
<p>1. Attach a list of all Class F Licensees currently working for the company.</p> <p>If there are no Class F licensees currently working for the company, please note according to Section 4.1.6 of the State of Delaware Regulations Governing the Design, Installation and Operation of On-Site Wastewater Treatment and Disposal Systems, all individuals who will be responsible for removal, transportation or disposal of the solid and liquid contents of septic tanks, cesspools, grease traps, seepage pits, holding tanks, portable toilets or other wastewater treatment or disposal facilities must obtain a Class F license before pumping. In order for an individual to obtain a Class F license.</p>
<p>Class F Licenses uploaded:</p>

Holding Tanks
<p>1. Attach a list of all Class F Licensees currently working for the company.</p> <p>If there are no Class F licensees currently working for the company, please note according to Section 4.1.6 of the State of Delaware Regulations Governing the Design, Installation and Operation of On-Site Wastewater Treatment and Disposal Systems, all individuals who will be responsible for removal, transportation or disposal of the solid and liquid contents of septic tanks, cesspools, grease traps, seepage pits, holding tanks, portable toilets or other wastewater treatment or disposal facilities must obtain a Class F license before pumping. In order for an individual to obtain a Class F license</p>
<p>Class F Licenses uploaded:</p>

<b>Grease Trap Waste and/or Cooking Oil Waste</b>
1. Attach a list of all disposal facilities to be used.
2. Attach a list of all Class F Licensees currently working for the company. If there are no Class F Licensees currently working for the company, please note according to Section 4.1.6 of the State of Delaware Regulations Governing the Design, Installation and Operation of On-Site Wastewater Treatment and Disposal Systems, all individuals who will be responsible for removal, transportation or disposal of the solid and liquid contents of septic tanks, cesspools, grease traps, seepage pits, holding tanks, portable toilets or other wastewater treatment or disposal facilities must obtain a Class F license before pumping. For a Class F License application, please contact the Licensing Coordinator at 302-739-9948.
Grease Trap Waste Disposal Facilities to be used: Class F Licenses Uploaded:

<b>Portable Toilets</b>
1. Attach a list of all Class F Licensees currently working for the company. If there are no Class F Licensees currently working for the company, please note according to Section 4.1.6 of the State of Delaware Regulations Governing the Design, Installation and Operation of On-Site Wastewater Treatment and Disposal Systems, all individuals who will be responsible for removal, transportation or disposal of the solid and liquid contents of septic tanks, cesspools, grease traps, seepage pits, holding tanks, portable toilets or other wastewater treatment or disposal facilities must obtain a Class F license before pumping.
Class F Licenses uploaded:
3. Quantity of portable toilets you own:

<b>Municipal and Industrial Biosolids</b>
1. Identify all Facilities the company will service by attaching a table listing the following: Facility Name of Sludge Generator # Estimated Volume of Sludge to be Transported # Disposal Facility* * If sludge is to be land applied, include the current Agricultural Utilization Permit Number for that facility.
Municipal and Industrial Biosolids <i>Disposal Facilities: <b>Facilities (12) (2).docx</b></i>
2. Provide transportation routes from all generating facilities to all applicable disposal facilities.
Municipal and Industrial Biosolids <i>Transportation Routes: <b>inland Bays.pdf , South Coastal.pdf</b></i>
3. Indicate any treatment the sludge has undergone before transportation (for example anaerobic digestion, aerobic digestion, lime stabilization, composting, or dewatering).

Sludge Treatment Description Upload: ***Sludge treatmnet.docx***

4. Provide results of a laboratory analysis of a representative sample of the sludge which was obtained not more than 6 months before submission of the application unless these results would be submitted as a part of the land application program. The analysis shall include, as a minimum, percent solids, pH, and the dry weight concentration of total nitrogen, ammonium, nitrate, total phosphorous, total potassium, cadmium, copper, mercury, nickel, lead, zinc, arsenic, selenium, and molybdenum.

Sludge From Package Treatment Plants Laboratory Analysis Uploaded: ***Quarter 3 Sludge testing.pdf***

### **Sludge From Package Treatment Plants**

1. Identify all Facilities the company will service by attaching a table listing the following:  
Facility Name of Sludge Generator # Estimated Volume of Sludge to be Transported # Disposal Facility\*  
\* If sludge is to be land applied, include the current Agricultural Utilization Permit Number for that facility.

Sludge From Package Treatment Plants *Disposal Facilities:*

2. Provide transportation routes from all generating facilities to all applicable disposal facilities.

Sludge From Package Treatment Plants *Transportation Routes:*

3. Indicate any treatment the sludge has undergone before transportation (for example anaerobic digestion, aerobic digestion, lime stabilization, composting, or dewatering).

Sludge Treatment Description Upload:

4. Provide results of a laboratory analysis of a representative sample of the sludge which was obtained not more than 6 months before submission of the application unless these results would be submitted as a part of the land application program. The analysis shall include, as a minimum, percent solids, pH, and the dry weight concentration of total nitrogen, ammonium, nitrate, total phosphorous, total potassium, cadmium, copper, mercury, nickel, lead, zinc, arsenic, selenium, and molybdenum.

Sludge From Package Treatment Plants Laboratory Analysis Uploaded:

### **Other Non-Hazardous Liquid Wastes**

1. Describe the source, nature and make-up of the non-hazardous liquid waste to be transported.

2. Will any of the wastes contain petroleum products (i.e. oil, gas, grease, etc.)?  
\_\_\_\_\_ Yes \_\_\_\_ No :

\* Transportation of liquid wastes containing any petroleum products will require a permit from the Division of Waste & Hazardous Substances (302-739-9400).

### Operating Plan

Attach an Operation Plan detailing the following: a spill reporting and clean-up plan, plans for cleaning vehicles, recordkeeping procedures and days and hours of operation.

Operating Plan Upload: ***Operating Plan- Waste hauling (4).docx***

### Disposal Facilities

Attach a list of all disposal facilities to be used. Include a copy of the permit/authorization letter from each disposal facility stating the company is currently authorized to discharge the requested waste stream (i.e. septage, holding tank waste, portable toilet waste, etc.) to the facility.

Disposal Facilities Upload: ***Facilities (12) (2) (16).docx , Rehoboth Approval Hauling 2025.pdf***

### Proof of Bond (If applicable)

Proof of Bond - Part III B, Section 500 of the Guidance and Regulations Governing the Land Treatment of Wastes directs, as a requirement for keeping a permit issued under these Regulations, the permittee to file a bond or other security in the amount of Five Thousand Dollars (\$5,000) with the Department. The bond is to be payable to the Department and the obligation of the bond shall be conditioned upon the fulfillment of all requirements related to the permit. If this application is for permit renewal, please submit a copy of the current Transporters Bond certification.

Proof of Bond Upload: ***bond exempt.pdf***

### 8. Certification

I certify that all information submitted as part of this application is true and correct to the best of my knowledge and belief.

Printed Name of Applicant:  
Bill Woods

Date Submitted via DNREC ePermitting:  
2025-01-29 08:29:47



REHCI-1

OP ID: BB

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

01/13/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Williams Insurance Agy. Inc. 20220 Coastal Hwy P. O. Box 1174 Rehoboth Beach, DE 19971 Steven Harvey		<b>302-227-2501</b>		<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b> 302-227-2501 <b>FAX (A/C, No):</b> 302-227-3173 <b>E-MAIL ADDRESS:</b>	
<b>INSURED</b> City Of Rehoboth Beach 229 Rehoboth Ave Rehoboth Beach, DE 19971				<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A :</b> The Travelers Ins. Co. <b>INSURER B :</b> <b>INSURER C :</b> <b>INSURER D :</b> <b>INSURER E :</b> <b>INSURER F :</b>	
				<b>NAIC #</b> 19062	

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			ZLP-71M60490-23-PB	07/01/2024	07/01/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ EXCLUDED PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 3,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			H-810-3H792195-IND-24	07/01/2024	07/01/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10000			ZUP-15T49187-24-PB	07/01/2024	07/01/2025	EACH OCCURRENCE \$ 6,000,000 AGGREGATE \$ 6,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

1986 Heil Tanker #1HLR1B7B2G9E39512  
1991 Fruehauf Tanker #1H4T04423ML006801

## CERTIFICATE HOLDER

## CANCELLATION

<b>DNREC</b> Division of Water 89 Kings Hwy Dover, DE 19901	<b>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</b>  <b>AUTHORIZED REPRESENTATIVE</b> <i>Briana Benemati</i>
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## CITY OF REHOBOTH

### NON-HAZARDOUS LIQUID WASTE TRANSPORTERS PERMIT RENEWAL

#### Operation Plans

The operation involves the transportation of stabilized biosolids from the Rehoboth Wastewater plant to Sussex County regional plants, Inland Bays or South Coastal.

Hours of operation to the County facility are M- S 7AM to 4PM

#### Record Keeping

Each truck is filled to 5600 gallons using an in-plant flow meter. The number of loads is recorded by the Plant's computer system then recorded in spread sheets which are designated for each site. The spread sheets calculate all required information into wet and dry tons.

#### Emergency spillage

All City vehicles are properly sealed to prevent spillage of biosolids during transport. In the event of an accident resulting in spillage, the city will utilize the city owned Sewer Vac Truck to clean up the spill. Notification will be given to DNREC via the emergency reporting number. The Sewer Vac truck can also be utilized to clean equipment on site if needed. Additionally, a truck cleaning station is available at the plant for farther cleaning of equipment.

#### Cleaning

The trucks use the cleaning station with a power washer twice a month or as needed.

After each fill a hose is used for any spillage on sides of tanker.

## DIVISION OF ENVIRONMENTAL SERVICES

DIRECTOR (302) 855-7730  
FAX (302) 539-0981  
SOUTH COASTAL WASTEWATER FACILITY (302) 855-7730  
INLAND BAYS FACILITY (302) 947-0864  
WOLFE NECK FACILITY (302) 644-2761  
PINEY NECK FACILITY (302) 732-9540  
WATER DEPARTMENT (302) 855-7374  
WATER & SEWER EMERGENCY (302) 855-7379



# Sussex County

DELAWARE  
sussexcountyde.gov

MIKE HARMER  
COUNTY ENGINEER

MARK PARKER  
ASSISTANT COUNTY ENGINEER

PARKER BURDELL  
DIRECTOR OF ENVIRONMENTAL SERVICES

## MEMORANDUM

To: Bill Woods  
Superintendent of Rehoboth Beach Wastewater Facilities

From: Parker Burdell  
Director of Environmental Services

Date: January 27, 2025

### Subject: Liquid Sludge Disposal

The County is agreeable to process liquid sludge from The City of Rehoboth Beach Wastewater Facility to the Inland Bays Regional Wastewater Facility. This is with DNREC's approved distribution and marking permit for the Inland Bay Regional Wastewater Facility DM 2101-S03.

If you should have any questions, please contact me at (302) 855-7730.

Sincerely,

Parker Burdell  
Director of Environmental Services



ENVIRONMENTAL SERVICES  
33711 SOUTH COASTAL LANE  
FRANKFORD, DELAWARE 19945





Sewer Map

< All Layers

Sewer Manholes

+ Add Sewer Manholes

📍 Add Point to Map

✍ Draw Shape

🔍 Advanced Search

🗺 Map Data Search

🔍 Search Sewer

Manholes:

Go

📁 Saved Searches:

▼

🎨 Color By Lookup:

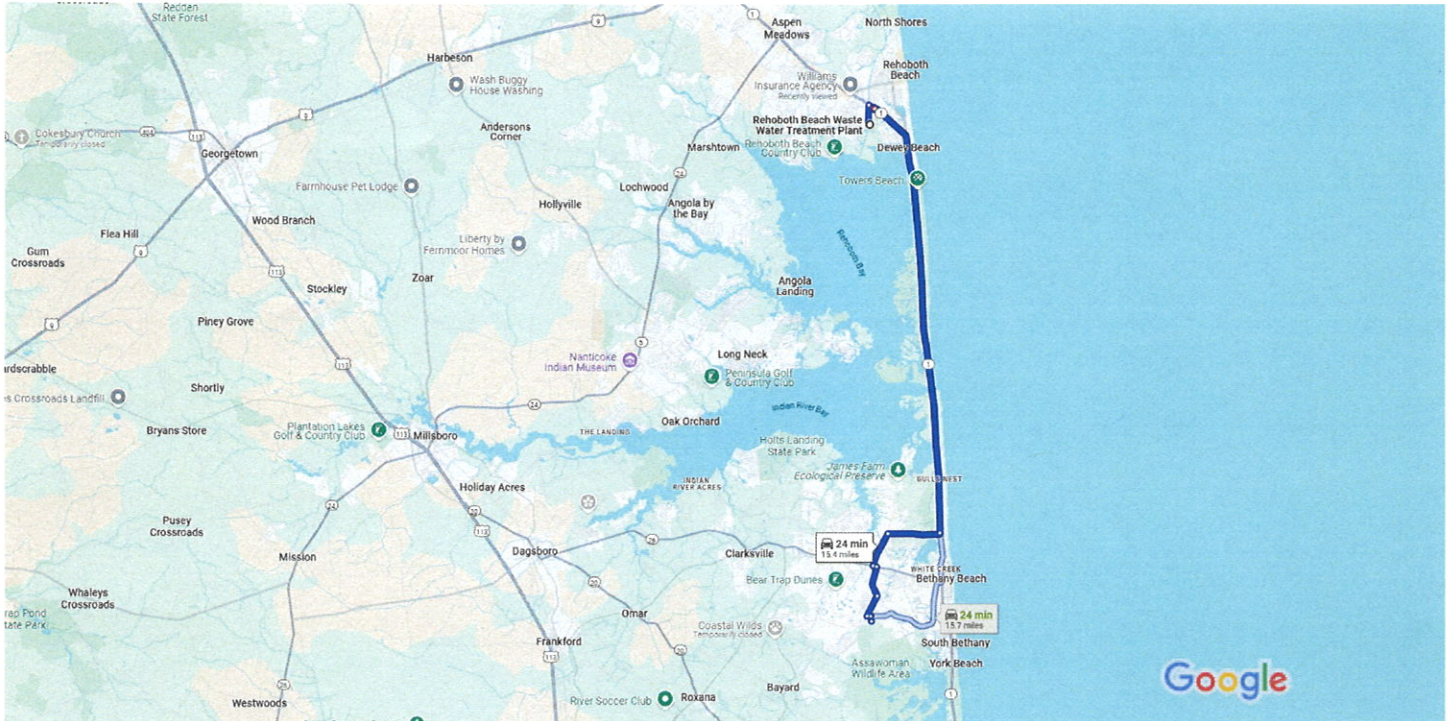
Nothing Selected ▼





## Rehoboth Beach Waste Water Treatment Plant to South Coastal Regional Wastewater Facility

Drive 15.4 miles, 24 min



Map data ©2025 Google

2 mi

**via DE-1 S**

Best route

**24 min**

15.4 miles

**via DE-1 S and Rd 361****24 min**

15.7 miles

### Explore nearby South Coastal Regional Wastewater Facility



Restaurants



Hotels

Gas  
stationsParking  
Lots

More

## NON-HAZARDOUS LIQUID TRANSPORTER PERMIT DE-OH-135 Renewal

### BIOSOLIDS TREATMENT PRIOR TO TRANSPORT

Aerobic Digestion

Thickening in digester by turning air off and decanting supernatant

This replaces the Gravity thickener



**ENVIROCORP LABORATORIES INC.**

51 CLARK STREET, HARRINGTON, DE 19952  
302-398-4313  
[www.envirocorplabs.com](http://www.envirocorplabs.com)



**ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER**



September 19, 2024

Sarah Smith  
City of Rehoboth  
P.O. Box 1163  
Rehoboth, DE 19971

RE: Sludge - Semi-Annual

Enclosed are the results of analyses for samples received by our laboratory on 9/5/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Shelly Bloom  
Supervising Analyst

## Table of Contents

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51 CLARK STREET, HARRINGTON, DE 19952  
302-398-4313  
www.envirocorplabs.com



**ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER**

City of Rehoboth

**Project:** Sludge - Semi-Annual

P.O. Box 1163

**Project Number:**

Rehoboth, DE 19971

**Reported:** 09/19/2024 09:31

## Sample Summary

Lab ID	Sample	Matrix	Sampled	Received
2408349-01	Sludge	Sludge	9/5/2024 7:30	09/05/24 14:15



# ENVIROCORP LABORATORIES INC.

51 CLARK STREET, HARRINGTON, DE 19952  
302-398-4313  
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**ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER**

City of Rehoboth

**Project:** Sludge - Semi-Annual

P.O. Box 1163

**Project Number:**

Rehoboth, DE 19971

**Reported:** 09/19/2024 09:31

## Analytical Results

<b>Sample ID:</b>	Sludge	<b>Sample Start:</b>	09/04/24 07:30
<b>Lab ID:</b>	2408349-01	<b>Sample End:</b>	09/05/24 07:30
<b>Matrix:</b>	Sludge	<b>Received:</b>	09/05/24 14:15
<b>Sample Type:</b>	Composite		

Analyte	Result	Units	Reporting Limit	Qualifier	Method	Date Prepared	Date Analyzed	Analyst
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### Inorganic

% Moisture	98.4	%	0.100		SM2540-G	9/10/24 9:37	9/10/24 09:37	HM
% Solids	1.58	%	0.100		SM2540-G	9/9/24 16:04	9/10/24 13:57	HM
Ammonia as N	0.29	% dry	0.01		SM4500-NH3-G	9/12/24 10:36	9/12/24 11:48	CK
Nitrate+Nitrite as N	0.0685	% dry	0.00316		SM4500-NO3-H	9/12/24 10:36	9/12/24 11:40	CK
Organic Nitrogen as N	5.83	% dry			[CALC]	9/16/24 12:28	9/16/24 14:35	CK
pH	7.46	SU			SM4500-H+/B	9/5/24 17:07	9/5/24 17:07	JB
Total Kjeldahl Nitrogen	6.12	% dry	0.316		SM4500-Norg-C	9/16/24 12:28	9/16/24 14:35	CK
Total Nitrogen as N	6.19	% dry			[CALC]	9/16/24 12:28	9/16/24 14:35	CK
Total Phosphorus as P	2.75	% dry	0.316		SM4500-P-F	9/16/24 12:28	9/16/24 14:35	CK
Volatile Solids	1.16	%	0.100		EPA 160.4	9/9/24 16:04	9/12/24 13:11	HM

### Metals

Arsenic	2.85	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Cadmium	0.805	mg/kg dry	0.253		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Chromium	35.5	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Copper	178	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Potassium	4690	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Molybdenum	3.40	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Sodium	5170	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Nickel	7.77	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Lead	4.61	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Selenium	ND	mg/kg dry	0.506		EPA 6010	9/17/24 9:30	9/18/24 14:14	JMW
Zinc	460	mg/kg dry	5.06		EPA 6010	9/17/24 9:30	9/18/24 14:18	JMW

**ENVIROCORP LABORATORIES INC.**

51 CLARK STREET, HARRINGTON, DE 19952  
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**ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER**

City of Rehoboth

**Project:** Sludge - Semi-Annual

P.O. Box 1163

**Project Number:**

Rehoboth, DE 19971

**Reported:** 09/19/2024 09:31

## Notes and Definitions

Item	Definition
Dry-WT	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
Reporting Limit	Lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.



City of Rehoboth  
P.O. Box 1163  
Rehoboth, DE 19971

Attn: Bob Stenger

# ENVIROCORP, INC

## Chain of Custody Record



2408349

City of Rehoboth

Sludge - Semi-Annual

### Collection Information

### Preservation

Lab ID #	Time	Date	Description	Yes	No	Analysis
-01	Start 7:30	Start 9.4.24	Sludge Composite		X	%M, TN, ON, TKN, NH3, NO3O2, pH, TVS, TP, K, Cd, Cr, Pb, Ni, Zn, Cu, As, Mo, Se, Na, Ca, Mg
	End 7:30	End 9.5.24				Hg, PCB's
						Every 3 Years PPS (to be done in 2021) Sept.
		<del>9.5.24</del>	Sludge Grab #1		X	FCMPN (#/gr)
			Sludge Grab #2		X	FCMPN (#/gr)
			Sludge Grab #3		X	FCMPN (#/gr)
			Sludge Grab #4		X	FCMPN (#/gr)
			Sludge Grab #5		X	FCMPN (#/gr)
			Sludge Grab #6		X	FCMPN (#/gr)
			Sludge Grab #7		X	FCMPN (#/gr)

Relinquished By:

Date

Time

Received By:

Comments

	9.5.24	11:46	M. Leone	9.5.24/11:46
M. Leone	9.5.24	1415	plshurt	9.5.24/1415

## B. MONITORING REQUIREMENTS

During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to apply sludge at agronomic rates to the land treatment fields identified in this permit. Such applications shall be monitored by the permittee as specified below during any year that sludge is land applied under this permit:

### B.1 STABILIZED SLUDGE

Parameter	Unit	Minimum Frequency	Sample Type
Moisture Content	Percent	Quarterly	Composite
Total Nitrogen as N (Moist & Dried)	Percent	Quarterly	Composite
Organic Nitrogen as N (Moist & Dried)	Percent	Quarterly	Composite
Ammonium and Nitrate Nitrogen as N (Moist & Dried)	Percent	Quarterly	Composite
pH	S.U.	Quarterly	Composite
Volatile Solids	Percent	Quarterly	Composite
Phosphorus as P (dry weight basis)	Percent	Quarterly	Composite
Potassium (dry weight basis)	Percent	Quarterly	Composite
Arsenic (dry weight basis)	mg/kg	Semi-Annually	Composite
Cadmium (dry weight basis)	mg/kg	Semi-Annually	Composite
Chromium (dry weight basis)	mg/kg	Semi-Annually	Composite
Copper (dry weight basis)	mg/kg	Semi-Annually	Composite
Lead (dry weight basis)	mg/kg	Semi-Annually	Composite
Mercury (dry weight basis)	mg/kg	Semi-Annually	Composite
Molybdenum (dry weight basis)	mg/kg	Semi-Annually	Composite
Nickel (dry weight basis)	mg/kg	Semi-Annually	Composite
Selenium (dry weight basis)	mg/kg	Semi-Annually	Composite
Zinc (dry weight basis)	mg/kg	Semi-Annually	Composite
Calcium (dry weight basis)	mg/kg	Annually	Composite
Magnesium (dry weight basis)	mg/kg	Annually	Composite
<del>Pb (dry weight basis)</del>	mg/kg	Annually	Composite
Sodium (dry weight basis)	mg/kg	Annually	Composite
<del>Dissolved Potassium</del>		Every 3 Years	Composite

Sludge samples shall be collected at the following location: the sludge transportation truck loading station. All sludge samples shall be taken and analyzed in accordance with Section 151 of the Department's Guidance and Regulations Governing the Land Treatment of Wastes. See Part I F. for reporting frequencies.

NOTE: The 126 priority pollutants list can be found in 40 CFR, Part 423, Appendix A, 1987

The Department may modify the sampling frequency based upon review of continuing or additional analyses.



September 18, 2024

Shelly Bloom  
Envirocorp Labs, Inc.  
51 Clark Street  
Harrington, DE 19952

RE: Project: 2408349  
Pace Project No.: 30715503

Dear Shelly Bloom:

Enclosed are the analytical results for sample(s) received by the laboratory on September 06, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Beaver

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

*Nikayla M. Yasurek*

Nikayla M. Yasurek  
nikayla.yasurek@pacelabs.com  
(724)850-5600  
Project Manager

Enclosures

cc: Shelley Johnson, Envirocorp Labs, Inc.  
Rachael Short, Envirocorp Labs



## REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2408349  
Pace Project No.: 30715503

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813  
Virginia VELAP 460148  
West Virginia DEP 060  
West Virginia DHHR 00412CM

North Carolina DEQ 466  
Kentucky Wastewater Certification KY90039  
Pennsylvania DEP 68-00839

REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 2408349

Pace Project No.: 30715503

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30715503001	2408349-01	Solid	09/05/24 07:30	09/06/24 09:50

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 2408349

Pace Project No.: 30715503

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30715503001	2408349-01	EPA 7471B	JLH1	1	PASI-BV
		SM 2540G-15	BT1	1	PASI-BV

PASI-BV = Pace Analytical Services - Beaver

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 2408349

Pace Project No.: 30715503

**Sample: 2408349-01**      **Lab ID: 30715503001**      Collected: 09/05/24 07:30      Received: 09/06/24 09:50      Matrix: Solid**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>BVR 7471B Mercury</b>								
Analytical Method: EPA 7471B    Preparation Method: EPA 7471B Pace Analytical Services - Beaver								
Mercury	ND	mg/kg	1.3	1	09/13/24 10:35	09/17/24 16:14	7439-97-6	
<b>BVR Percent Moisture</b>								
Analytical Method: SM 2540G-15 Pace Analytical Services - Beaver								
Percent Moisture	98.5	%	0.10	1		09/10/24 10:17		N2

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 2408349

Pace Project No.: 30715503

QC Batch: 695842

Analysis Method: EPA 7471B

QC Batch Method: EPA 7471B

Analysis Description: BVR 7471B Mercury

Laboratory: Pace Analytical Services - Beaver

Associated Lab Samples: 30715503001

METHOD BLANK: 3388907

Matrix: Solid

Associated Lab Samples: 30715503001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	09/17/24 15:36	

LABORATORY CONTROL SAMPLE: 3388908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.49	0.50	102	80-120	

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 3388909 3388910

Parameter	Units	30716490001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.031	0.55	0.55	0.56	0.56	97	97	80-120	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 2408349

Pace Project No.: 30715503

QC Batch: 694847

Analysis Method: SM 2540G-15

QC Batch Method: SM 2540G-15

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Beaver

Associated Lab Samples: 30715503001

SAMPLE DUPLICATE: 3383790

Parameter	Units	30715637001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.36	0.43	18	10	D6,H3,N2

SAMPLE DUPLICATE: 3383791

Parameter	Units	30715637011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.30	0.30	1	10	H3,N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 2408349  
Pace Project No.: 30715503

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

H3 Sample was received or analysis requested beyond the recognized method holding time.

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

## REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2408349  
Pace Project No.: 30715503

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30715503001	2408349-01	EPA 7471B	695842	EPA 7471B	695954
30715503001	2408349-01	SM 2540G-15	694847		

REPORT OF LABORATORY ANALYSIS



# SUBCONTRACT ORDER

2408349



## Sending Laboratory:

**Envirocorp**  
51 Clark Street  
Harrington, DE 19952  
Phone: 302-398-4313  
Fax: 302-398-4312  
**Email Results to:**  
rachael@envirocorplabs.com, & erin@envirocorplabs.com  
**Email Invoice to Shelly Bloom:**  
shelly@envirocorplabs.com

## Subcontract Laboratory:

**Pace Analytical Services**  
1638 Roseytown Rd., Suites 2, 3, & 4  
Greensburg, PA 15601  
Phone: (724) 850-5600  
Fax:

**Sample ID: 2408349-01**

**Sample Name: Sludge**

**Res. Cl:**

**Total Cl:**

**pH:**

**Sludge**

**Sampler ID: Client**

**Sampled: 09/05/2024 07:30**

## Analysis

Sub\_Hg SW-846 7471B

09/19/2024

10/03/2024 07:30

Report in mg/kg (dry weight)

**Container(s):**

CT

## Subcontract Shipping Checklist

**Method of Shipment (circle one):** FedEx / UPS / Field Service Vehicle / Other

**Tracking Number:** 1Z 290 103

LIMS #(s) match on container(s) and COC(s)  
Does the container(s) match the analysis  
Containers(s) and COC(s) properly packed  
Sample containers on ice or ice pack(s)  
Container(s) properly sealed and secure

Yes	No	NA
Yes	No	NA
Yes	No	NA
Yes	No	NA
Yes	No	NA

Sample delivery verified? ☐ Yes

Checked by:

Date:

Received Date

Initials:

WO#: 30715503



30715503

Received by Pace Beaver  
Therm ID 227 Corr Factor +/- .0  
Receipt Temp .0  
Corrected Temp .0  
Correct Preservation X / N

Released By Shelly  
Shelly Bloom

Date 9/6/24 Time 1600  
Date 9/6/24 Time 1700

Received By BT  
Nicely's Del. Service  
Date 9/6/24 Time 0850  
Date 9/6/24 Time 2300



Client

Site 2408349

Page \_\_\_\_\_ of \_\_\_\_\_

Profile/EZ Login Number 210415

## Notes

[illegible]

### Container Codes

Glass			
GJN	1 Gallon Jug with HNO <sub>3</sub>	DG9S	40mL amber VOA vial H <sub>2</sub> SO <sub>4</sub>
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H <sub>2</sub> SO <sub>4</sub>	JGFU	4oz amber
AG1H	1L amber glass HCl	WGFU	4oz wide j
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear
BG1U	1L clear glass unpreserved	AG2U	500mL amber
AG3S	250mL amber glass H <sub>2</sub> SO <sub>4</sub>	WGKU	8oz wide j
AG3U	250mL amber glass unpreserved	GN	General

**WO# : 30715**

PM: NMY Due

CLIENT: WP-ENVIROCO

WO#: 30715503

PM: NMY

Due Date: 09/20/24

CLIENT: WP-ENVIROCOR

Plastic/Misc.	
GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
120mL	120mL coliform Na Thiosulfate
1L	1L plastic HNO3
1L	1L plastic unpreserved
250mL	250mL plastic H2SO4
250mL	250mL plastic HNO3
250mL	250mL plastic unpreserved
BP3B	250mL plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved
EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag
WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

