



Permit-to-Install/Plan Approval Application

FOR AGENCY USE ONLY

Date Received: / /	Application/Revenue ID:	Organization ID:
Document ID:	Place ID:	Check ID:
Check Date: / /	Check Number:	Check Amount:

1. Project Name: Temporary Treatment System for Industrial Stormwater During Demolition of Closed Power Plant

2. Applicant (see note after signature)

Name:	Avon Lake Environmental Redevelopment Group, LLC		
Mailing Address:	33570 Lake Rd		
City:	Avon Lake	State:	OH
		Zip:	44012
Contact Name:	Dan Rogatto		
Title:	ERT Plant Manager		
Phone:	502 377 5955	Fax:	() - E-mail : drogatto@charah.com

3. Application/Plans Prepared by:

Name:	Deigan & Associates, LLC		
Mailing Address:	28835 N Herky Dr		
City:	Lake Bluff	State:	IL
		Zip:	60044
Contact Name:	Gary Deigan		
Title:	Principal/Owner		
Phone:	(847) 578-5000	Fax:	() - E-mail : gdeigan@deiganassociates.com

4. Billing Address (if different than Applicant)

Name:			
Mailing Address:			
City:		State:	
		Zip:	
Contact Name:			
Title:			
Phone:	() - Fax:	() - E-mail :	

5. Future Owner (if different than Applicant)

Name:			
Mailing Address:			
City:		State:	
		Zip:	
Contact Name:			
Title:			
Phone:	() - Fax:	() - E-mail :	

6. Project Location

Street Address or Location Description: 33570 Lake Road

County: Lorain

Township: Avon

Municipality: Avon Lake

Latitude: 41.504360

Longitude: -82.053216

Method of Determination: Google Maps

7. Brief Project Description: Temporary treatment system designed to treat industrial stormwater from the demolition/construction activities at the former Avon Lake Generating Station **at outfall 002**. Stormwater is held in ponds and will be discharged through a permitted NPDES outfall under NPDES Permit Number 3IB00002*LD.

Additional information included seperatly.

8. Will one or more acres be disturbed during construction of this project?☐ Yes ☒ No

If Yes, enter the date the NOI for coverage under the construction storm water NPDES permit was submitted: / / and the date coverage was granted: / /

9. Will wetlands be disturbed during construction of this project?☐ Yes ☒ No

If Yes, enter the date the 401/404 permit application was submitted: / /

10 a. Is this application part of a combined permit-to-install application? (for example air + water)☐ Yes ☒ No**b. Has an application for a Class V injection well permit been submitted?**☐ Yes ☐ No ☒ N/A

If Yes, date submitted: / /

11. Compliance Status**a. Will this project connect to a collection/treatment system that has a NPDES permit?**☒ Yes ☐ No

If Yes, list federal and state permit numbers:

OH 3IB00002*LD

b. Is this application filed in compliance with findings and orders, a consent decree, and/or NPDES permit schedule?☐ Yes ☒ No

If Yes, effective date of the document containing the schedule: / /

12. Compliance with 208 plan

Does the project conform to the 208/201 plan for the area?

☐ Yes ☐ No ☒ N/A

If Yes, has the engineer submitted supporting documentation?

☐ Yes ☐ No**13. Designated Ohio, Wild, Scenic, & Recreational Rivers**

Is this project located within 1000 feet of a designated wild, scenic, and recreational river?

☐ Yes ☒ No

See <http://watercraft.ohiodnr.gov/scenicriversmag> for additional information

14. Estimated Project Schedule:

Beginning construction date: 9/14/2023 Ending construction date: 9/14/2023 Beginning operation date: 9/14/2023

Construction of temporary treatment system at 002 and deconstruction of the CPRO Treatment building will begin after issuance of PTI.

15. Project Cost:

*Installation/Construction Cost: \$ 17,114 (Mark one): ☒ Actual ☐ Bid ☐ Estimate

Annual Operation/Maintenance Cost (if applicable - this project only): \$ 147,864

Are Water Pollution Control Loan Funds going to be used for this project?

☐ Yes ☒ No

If No, Funding Source: Private

*This is costs of the treatment/dispersal/collection system that will serve the project

16. Attachments

The following are included in this application package (check appropriate box(es) and indicate how many copies of each are provided):

- | | |
|--|---|
| ☒ Detail Plans _____ | ☐ Management Plan _____ |
| ☐ Soil Evaluation Form _____ | ☐ Engineering Report _____ |
| ☐ Hydrogeologic Site Investigation Report _____ | ☐ Engineering Specifications _____ |
| ☐ Site Evaluation Form _____ | ☐ Sewer Authority Letter _____ |
| ☐ Other (describe): _____ | ☐ Antidegradation Addendum _____ |
| ☐ Narrative Plans _____ | |

17. Form B / C Submission (check all that apply):

- ☐ Sewer and Pump Station Construction – Form B1
- ☐ Onsite Sewage Treatment Systems – Form B2
- ☐ Wastewater Treatment Plants Less Than 100,000 GPD – Form B3
- ☐ Wastewater Treatment Plants Greater Than or Equal to 100,000 GPD and all Pond Systems – Form B4
- ☒ Industrial Direct Discharge Facility – Form B5
- ☐ Industrial Indirect Discharge Facility – Form B6
- ☐ Underground Storage Tank Remediation – Form B7
- ☐ Holding Tanks – Form B8
- ☐ Industrial Impoundment Ponds – Form B9
- ☐ Land Application Management Plan for Sludge or Waste other than Treated Sewage – Form C1
- ☐ Treated Sewage Land Application Management Plan – Form C2
- ☐ Sewage Holding Tank Management Plan – Form C3

18. Fee Calculations:

Permit-to-Install (maximum total fee \$15,100)

a. Application fee:	\$ 100.00
b. Plan review fee:	\$ 100.00
c. Plan review fee (installation/construction cost x .0085):	\$ 111.20
d. Total Fee (a + b + c):	\$ 311.20

Sludge Management Plan Approval*

a. Application fee:	\$ 100.00
b. Plan review fee:	\$ 100.00
c. Total fee (a + b):	\$ 200.00

* No separate fee is needed for land application

19. Antidegradation

Is this project subject to the Antidegradation Rule (OAC 3745-1-05)? ☐ Yes ☒ No

If Yes, an antidegradation addendum must be submitted (Note: It applies even if an exclusion and/or waiver is met)

If No, check all that apply:

- ☐ Application with no direct surface water discharge (Projects that do not meet the applicability section of 3745-1-05 (B)1, i.e., onsite sewage treatment systems, sanitary sewer extensions, indirect discharger to POTW, etc.).
- ☒ Renewal NPDES application or PTI application with no requested increase in loading of currently permitted pollutants.
- ☐ Narrative Plans (Examples: Land Application, General Plans, etc.)

20. Submittals:

To be considered complete, this application must include the following unless otherwise directed by Ohio EPA:

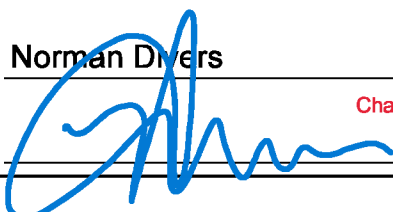
- ☒ Four copies of the detail plans including profile and plan views of all sewers (shown on the same sheet), existing (as applicable) and proposed pump station facilities, incorporating all of the details outlined in Section 20.1, 20.2 and 20.3 of *Recommended Standards for Wastewater Facilities*.
- ☒ Two copies of complete technical specifications.
- ☒ Two copies of the Permit-to-Install Application including Form A, pertinent B & C form(s), and the antidegradation addendum (if applicable)
- ☒ Fee check payable to "Treasurer, State of Ohio."

21. Signature of the Applicant: (see Ohio Administrative Code 3745-42-03)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision and that all the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Typed name: Norman Divers Title: Vice President, Environment, Health & Safety

Charah Solutions, Inc. ALERG, LLC is a wholly owned subsidiary of Charah Solutions, Inc.

Signature:  Date: 9/21/83

NOTE (Who Must Sign):

The person signing as Applicant is not the applicant's engineer or architect or any other person submitting the Permit-to-Install Application on behalf of the owner. The Applicant should be owner of the facility, business, corporation, company, etc. or the legal responsible entity. It is not the engineer who prepared the plans.



Permit-to-Install/Plan Approval Application

Industrial Direct Discharger Facility

FOR AGENCY USE ONLY

Application Number:

Date Received: / /

Applicant: Avon Lake Environmental Redevelopment Group, LLC

Facility Owner: Avon Lake Environmental Redevelopment Group, LLC

Application/Plans Prepared by: Deigan & Associates, LLC

Project Name: Temporary Treatment System for Industrial Stormwater during Demolition of Power Plant

1. Effluent quality of discharge from proposed treatment facility or project (concentration and loadings required)

Parameter	30-day Average		Daily Maximum	
	Concentration (units)	Load* (kg/day)	Concentration (units)	Load* (kg/day)
TSS	30 mg/L	10.21	100 mg/L	34.05
Oil & Grease	15 mg/L	5.11	20 mg/L	6.81
Copper, Total				
Mercury, Total LLM	2.6 ng/L	8.9E-7	1700 ng/L	5.8E-4

* Load Calculations completed by using 0.09 MGD MGD flow

2. List the hydraulic design capacity of the major components of the wastewater treatment system:

Component:	gpm:	Component:	gpm:
3" Vac Assist Diesel Pump 21.9 HP			100 GPM, 40.25 TDH, 1,800 RPM to 150 GPM, 48.5 TDH, 2,000 RPM
Standby Pump	150		

3. List the sequence of receiving streams from the initial discharge point up to the first named stream:

Lake Erie

4. Is this facility regulated by an NPDES permit?

☒ Yes ☐ No

If yes, permit numbers: OH 31B00002*LD

5. Contact person responsible for the technical aspects of this project:

Name: Bryan Peter Phone No. : (717) 575 - 1543
Title: Project Manager
Company: Deigan & Associates, LLC

6. If the proposed wastewater treatment system is for a new facility or operation, has a site inspection been conducted by an Ohio EPA, Division of Surface Water representative?

☐ Yes ☒ No If No, contact your Ohio EPA district office

7. Submittals:

This application must include the following unless otherwise directed by Ohio EPA:

☒ Four copies of the detail plans which include site plans, vicinity map, schematic diagrams, plan views, elevation views and cross-sectional views necessary to evaluate the processes.

☒ Two copies of complete technical specifications.

☒ Two copies of the Application including Form A, pertinent B & C form(s), and antidegradation addendum (if applicable)

8. The foregoing data is a true statement of facts pertaining to this proposed industrial direct discharge installation.

Date: 10/3/2013 Signed: Revised By [Signature] Approved as to Manufacturer Specifications [Signature] P.E.

Plans prepared by: Deigan & Associates, LLC with review by Local Ohio P.E.