

Permit No. CA020
Issuance Date: March 5, 2021
Effective Date: April 1, 2021
Expiration Date: March 31, 2026

INDUSTRIAL WASTEWATER PRETREATMENT PROGRAM
AUTHORIZATION TO DISCHARGE UNDER THE
CITY OF YOUNGSTOWN POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act (33 USC 1251 et seq) (Ohio Revised Code Chapter 6111), the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR 403), and the Industrial Pretreatment Regulations for Existing and New Sources of Pollution for the City of Youngstown Sewer District (Chapter 932, Codified Ordinances of Youngstown, Ohio/Ordinance No. 85-517, as amended).

Environmental Specialists, Inc.

1101 Andrews Avenue

Youngstown, Ohio 44505

is authorized to discharge wastewater to the Youngstown Waste Water Treatment Plant sewer system in accordance with the conditions specified in Parts I, II, III, IV, and V of this permit.

This permit is conditioned upon payment of applicable fees as required by the City of Youngstown, Industrial Pretreatment Program Regulations.

PART I. PROCEDURES FOR ANALYSES AND SAMPLING

A. ANALYSES

1). All required samples are to be collected and analyzed in accordance with Ohio EPA/US EPA approved methods (OAC 3745-3-06(H)(4)) and (40 CFR 136) using an auto-sampler to collect composite samples.

2). Composite samples, with permission from the Control Authority, may be comprised of a minimum of four (4) composited grab samples taken over a period of twenty four (24) hours when industrial discharge is occurring at normal to maximum levels (40 CFR 403.12(b)(5)(iii)). Samples may be collected over a period of less than twenty-four (24) hours if production schedules dictate it.

3). Batch discharges shall be sampled by collecting a minimum of four (4) composited grab samples while the batch is being discharged.

PART II. SAMPLING SCHEDULES

A. PERMITTEE SAMPLING

Permittee will be required to self-monitor as required in section 932.18 of the INDUSTRIAL PRETREATMENT REGULATIONS. Self-monitoring sampling shall take place in the months of June and December, as specified by the Deputy Director of Public Works in accordance with 40 CFR 403.12(e). In addition, the Permittee shall self-monitor in accordance with the monitoring frequency specified in Parts IV A and B of this Permit. All self-monitoring results shall be forwarded to the Pretreatment Office no later than ten (10) days after the end of the month in which the monitoring is to be performed.

All wastewater samples must be representative of the industrial users discharge.

If self-monitoring performed by the Permittee indicates a violation, the Permittee shall notify the Industrial Pretreatment Coordinator within 24 hours of becoming aware of the violation. The Permittee shall also repeat the sampling and analysis and submit the results of the repeat analysis to the City of Youngstown's Industrial Pretreatment Office, within thirty (30) days of submittal of the original results.

B. CONTROL AUTHORITY SAMPLING

In addition, the Permittee will permit the City of Youngstown (City) to sample the process discharge in accordance with the SECTION 932.21 of the INDUSTRIAL PRETREATMENT REGULATIONS, 40 CFR 403.8(f)(2)(v), and in accordance with the monitoring frequency specified in Parts IV A and B of this Permit. The Control Authority shall also repeat the sampling and analysis in case of violation within thirty (30) days of the end of the month in which the violation occurred.

C. SPLITTING SAMPLES

The Permittee shall be permitted to split samples collected by the City for analyses at a laboratory of their choosing. The City reserves the right to split samples collected by the Permittee.

PART II. SAMPLING SCHEDULES (cont.)

D. CONTROL AUTHORITY SAMPLING FEES

Each time a process discharge is sampled by the Control Authority, the Permittee will have two expenses. The first fee is for sampling. The second fee is for analysis.

The Permittee will be billed after each sampling run in accordance with section 932.11 of the INDUSTRIAL PRETREATMENT REGULATIONS.

PART III. SPECIFIC PERMIT CONDITIONS

A. SUBCATEGORY DETERMINATION

1. **Environmental Specialists** has declared itself to be in CFR 437 Subpart B - Oils Treatment and Recovery. The acceptance by **Environmental Specialists** of any waste not on the list of acceptable wastes for the Oils Subcategory, as defined on page 81287 of the December 22, 2000 Federal Register, shall void this Permit in accordance with Section 932.26 of the INDUSTRIAL PRETREATMENT REGULATIONS.

2. In the event that **Environmental Specialists** would like to change their subcategory declaration, they must follow all guidelines set forth in CFR 437 Subparts A, B, C, or D.

3. In the event that **Environmental Specialists** elects to change their subcategory declaration, they shall not accept any waste from a new subcategory until the proper treatment system for the new subcategory is installed. The selection of the treatment system must adhere to the guidelines published in the December 22, 2000 Federal Register.

B. INITIAL COMPLIANCE REPORT

1. Within ninety (90) days following commencement of the introduction of industrial wastewater into the District facilities by a new Permittee, or of the introduction of a new industrial wastewater stream by a current Permittee, the Permittee shall submit to the District a report indicating the nature and concentration of all prohibited or regulated substances contained in its discharge, and the average daily flow in gallons.

2. The report shall state whether the applicable pretreatment standards or requirements are being met on a consistent basis, and if not, what additional changes the Permittee must make to its processes or pretreatment to bring the Permittee into compliance with the applicable standards or requirements.

PART III. SPECIFIC PERMIT CONDITIONS (continued)

C. RESTRICTING FLOW

1. **Environmental Specialists** shall not discharge any industrial wastewater flows during periods of meteorological conditions (e.g., moderate and heavy rain events, snow melt) that create overland flow against the street curbing. **Environmental Specialists** shall not resume discharge until thirty(30) minutes following the end of any meteorological conditions that created the overland flow against the street curbing.

2. **Environmental Specialists** shall keep a written precipitation log that contains daily precipitation totals and all meteorological conditions that may result in their withholding of any industrial wastewater flows as specified in Part III(B)(1) above. This written log shall be made readily available to the City upon request, and shall contain, at a minimum, the following information for each day of operation:

- the date.
- precipitation totals for that date in inches (if any).
- the type of precipitation (i.e. rain or snow).
- a description of the meteorological conditions for that date, i.e. clear,

- rain (light, moderate, or heavy, thunderstorms), snow (light, moderate, heavy), melting snow.
- if conditions dictate the withholding of Environmental Specialists' process discharge, the time of day the discharge was halted, and the time of day discharging resumed.

3. **Environmental Specialists** shall submit copies of the precipitation logs as part of their semi-annual self-monitoring report. The June self-monitoring report shall include the logs from January thru June, the December self-monitoring report shall include the logs from July thru December.

D. MONITORING FREQUENCY/COST OF PERMIT

1. Monitoring frequency shall be as specified by the City of Youngstown's Industrial Pretreatment Regulations, or as specified by the Deputy Director of Public Works in accordance with said regulations.

2. In accordance with Section 932.11 of the INDUSTRIAL PRETREATMENT REGULATIONS, any upward change to the parameter (average daily flow threshold) used to determine the monitoring frequency and cost of this Permit, will cause the Permittee to be charged the difference in price between the existing Permit and the next higher level Permit. The monitoring frequency shall be adjusted accordingly.

3. **Environmental Specialists'** PTI states that the Permit applies to a wastewater disposal system designed to serve an average hydraulic flows of no more than 50-100 gallons/minute and 60,000-90,000 gallons/day without prior approval of, and first informing the OHEPA and Control Authority whether or not the applicable pretreatment standards or requirements will still be met on a consistent basis, and if not, what additional changes the Permittee must make to its processes or pretreatment to bring the Permittee into compliance with the applicable standards or requirements.

IV. FINAL DISCHARGE LIMITATIONS

A. LOCAL DISCHARGE LIMITATIONS - SITE 001

Beginning on the effective date of this Permit, the Permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. The following limitations and monitoring is required.

PARAMETER	MAX DAILY (mg/l)	MONTHLY AVERAGE (mg/l)	MONITORING FREQUENCY	SAMPLE TYPE

FLOW	90,000 GPD	N/A	12 PER YEAR	ACTUAL
pH	5.0 - 12.0 S.U.	N/A	12 PER YEAR	GRAB
TEMPERATURE	40 Celsius	N/A	12 PER YEAR	GRAB
CBOD*	210 - 3500	N/A	12 PER YEAR	COMPOSITE
SUSPENDED SOLIDS*	240 - 1244	N/A	12 PER YEAR	COMPOSITE
OIL & GREASE*	50 - 147	N/A	12 PER YEAR	GRAB
PHENOLS	160.00	N/A	12 PER YEAR	COMPOSITED GRAB
NITROGEN, AMMONIA	54.0000	N/A	12 PER YEAR	COMPOSITE
CADMIUM	0.5638	N/A	12 PER YEAR	COMPOSITE
CHROMIUM, TOTAL	4.7626+	N/A+	12 PER YEAR	COMPOSITE
COPPER	1.0051+	N/A+	12 PER YEAR	COMPOSITE
LEAD	0.6046+	N/A+	12 PER YEAR	COMPOSITE
NICKEL	3.8680	N/A	12 PER YEAR	COMPOSITE
ZINC	2.6883+	N/A+	12 PER YEAR	COMPOSITE

SILVER	0.1184	N/A	12 PER YEAR	COMPOSITE
MERCURY	0.0243	0.0005	12 PER YEAR	COMPOSITE
CYANIDE, TOTAL	0.1486	N/A	12 PER YEAR	COMPOSITED GRAB

+ CATEGORICAL LIMIT MAY APPLY IF MORE STRINGENT, PART IV B.

* SURCHARGEABLE ABOVE LOWER LIMIT, SURCHARGEABLE AND VIOLATION ABOVE UPPER LIMIT.

SURCHARGES ARE AS FOLLOWS:	CBOD: \$0.090/LB
	TSS: \$0.132/LB
	O&G: \$0.270/LB

SAMPLING LOCATION: SITE 001 - SAMPLING SUMP OUTSIDE OF MAINTENANCE SHOP.

TIME PROPORTIONAL SAMPLING IS USED AT THIS SAMPLING SITE.

MONITORING FREQUENCY IS A COMBINATION OF CITY AND SELF-MONITORING.

CITY SAMPLING - 10 PER YEAR (MONTHS TO BE SELECTED BY CITY)

PERMITTEE SELF-MONITORING - 2 PER YEAR (MONTHS CITY DOES NOT SAMPLE)

PART IV. FINAL DISCHARGE LIMITATIONS (continued)

B. CATEGORICAL REGULATED PROCESS - SITE 001

In accordance with 40 CFR Part 437.26 (Pretreatment Standards for New Sources) the following limitations and monitoring is required.

PARAMETER	MAX DAILY (mg/l)	MAX AVG. MONTHLY (mg/l)	MONITORING FREQUENCY	SAMPLE TYPE
*****	*****	*****	*****	*****
CHROMIUM, TOTAL	0.7460+	0.3230++	12 PER YEAR	COMPOSITE
COBALT	56.4000	18.8000	12 PER YEAR	COMPOSITE
COPPER	0.5000+	0.2420++	12 PER YEAR	COMPOSITE
LEAD	0.3500+	0.1600++	12 PER YEAR	COMPOSITE
TIN	0.3350	0.1650	12 PER YEAR	COMPOSITE
ZINC	8.2600+	4.5000++	12 PER YEAR	COMPOSITE
BIS-2-ETHYLHEXYL- PHTHALATE	0.2150	0.1010	12 PER YEAR	COMPOSITE
CARBAZOLE	0.5980	0.2760	12 PER YEAR	COMPOSITE
N-DECANE	0.9480	0.4370	12 PER YEAR	COMPOSITE
FLUORANTHENE	0.0537	0.0268	12 PER YEAR	COMPOSITE
N-OCTADECANE	0.5890	0.3020	12 PER YEAR	COMPOSITE

+ LOCAL LIMIT MAY APPLY IF MORE STRINGENT, PART IV A.

++ MONTHLY AVERAGE CANNOT EXCEED CITY'S DAILY MAXIMUM LIMIT, PART IV A.

SAMPLING LOCATION: SITE 001 - SAMPLING SUMP OUTSIDE OF MAINTENANCE SHOP.

TIME PROPORTIONAL SAMPLING IS USED AT THIS SAMPLING SITE.

MONITORING FREQUENCY IS A COMBINATION OF CITY AND SELF-MONITORING.

CITY SAMPLING - 10 PER YEAR (MONTHS TO BE SELECTED BY CITY)
PERMITTEE SELF-MONITORING - 2 PER YEAR (MONTHS CITY DOES NOT SAMPLE)

PART IV. FINAL DISCHARGE LIMITATIONS (continued)

C. GENERAL REPORTING PROCEDURES

1. Results must be reported in the units which appear on the permit for each parameter.

2. June and December Self-Monitoring reports must be received by the City of Youngstown's Industrial Pretreatment Office no later than ten (10) days after the end of the month in which the monitoring is to be performed. If the Permittee wishes or is required to self-monitor the remaining months, results must be received no later than ten (10) days after the end of the month in which the monitoring was performed.

3. The Permittee shall notify The City of Youngstown's Industrial Pretreatment Coordinator within two (2) business days after the Permittee has a reasonable basis to know that the production level will significantly change within the next calendar month.

4. The Permittee shall promptly notify the Industrial Pretreatment Coordinator in advance of any substantial change in volume or character of pollutants being introduced into The City of Youngstown's sewer system.

5. The Permittee shall immediately notify the Pretreatment Coordinator, or his representative, of any changes that occur at their facility affecting the potential for a "slugload" or accidental discharge.

6. The Permittee shall immediately notify the Industrial Pretreatment Coordinator, or his representative, upon the occurrence of a "slugload" or accidental discharge, including pretreatment system upsets, with a written notification to follow within five (5) working days.

7. The Permittee shall make available any records of any analyses done to its process wastewater discharge in addition to that required.

8. The Permittee is bound to keep records in accordance with section 932.37 of the INDUSTRIAL PRETREATMENT REGULATIONS, 40 CFR 403.12 (o), and OAC 3745-3-06 (G).

PART V. OTHER PERMIT CONDITIONS

A. This permit may be modified, revoked and reissued, or terminated if there is a material or significant change in any of the values used in establishing monitoring frequency or other calculations.

B. In the absence of specific wastewater discharge permit limitations, no Permittee shall discharge any pollutant not found, or in a concentration greater than that found, in residential background wastewater.

C. By accepting this permit, the Permittee agrees to comply with the laws, regulations, statutes and ordinances specified on Page 1 of this permit.

D. All floor drains, manholes, settling pits, and other objects which are part of the process water discharge system must be cleaned as needed or at a
PART V. OTHER PERMIT CONDITIONS (continued)

minimum of semi-annually. Wastewater monitoring and flow measurement facilities shall be properly operated, kept clean, and maintained in good working order at all times. **The failure of an industrial user to keep its monitoring facility clean and in good working order shall not be grounds for the industrial user to claim that sample results are unrepresentative of its discharge.** The City acknowledges its responsibility to keep its sampling equipment clean.

PART V. OTHER PERMIT CONDITIONS (continued)

E. This Permittee is bound by the non-transferability clause in accordance with section 932.13(d) of the INDUSTRIAL PRETREATMENT REGULATIONS. This Permit is valid only for the site(s) listed under Parts IV A and/or B of this Permit.

F. The City of Youngstown has the right of entry to any premises discharging water to the POTW in accordance with section 932.21 of the INDUSTRIAL PRETREATMENT REGULATIONS.

G. If necessary, penalties and fines may be levied for violations in accordance with sections 932.34, 932.35, 932.36, and 932.99 of the INDUSTRIAL PRETREATMENT REGULATIONS.

H. All reports are to be signed by an corporate official in accordance with sections 932.20 and 932.02(3) of the INDUSTRIAL PRETREATMENT REGULATIONS and 40 CFR 403.12 (1).

I. The City of Youngstown has the right to independently verify the total toxic organic analyses and certifications submitted by the Permittee.

J. The City of Youngstown shall evaluate the Permittee for the need of a slug control plan at least once during the effective period of this Permit.

K. The Permittee shall not discharge any pollutant which can cause a pass through or interference of the POTW in accordance with section 932.03 of the INDUSTRIAL PRETREATMENT REGULATIONS and 40 CFR 403.5 (a) (1).

L. The Permittee must immediately notify the Industrial Pretreatment Coordinator or his representative of any discharge to the POTW which if otherwise disposed of would be a hazardous waste under 40 CFR 261 in accordance with 40 CFR 403.12 (p) (1).

M. For the purposes of flow measurement and surcharging ESI shall have installed a working flow meter on its process discharge line. Discharge flow meters must be calibrated on a regular basis.

N. Permits will be renewed by the City of Youngstown's Industrial Pretreatment Office no sooner than ninety (90) days prior to the expiration

of the current permit, provided that the Permittee is in compliance with all Industrial Pretreatment Regulations.

O. The Original Permit fee was \$5,200.00.

REISSUED BY *Philip N. Warren* DATE March 5, 2021

Philip N. Warren
Pretreatment Coordinator

c: File