



Tennessee Department of Environment and Conservation
 Division of Water Resources
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TN Dept. of Env. & Conservation

APR 24 2020

Division of Water Resources

CONTROL AUTHORITY PRETREATMENT SEMI-ANNUAL/ANNUAL REPORT

Control Authority Identification:				
Control Authority Name :	City of Wartburg			
Report Date :	April 20, 2020			
Reporting Period Covered by this report	From	Oct 1, 2019	To	March 31, 2020
Reporting Period Covered by previous report	From	April 1, 2019	To	Sept 30 2019

Name of Wastewater Treatment Plant(s)	NPDES Permit No.
1. Wartburg Wastewater Treatment	TN0028622
2.	
3.	
4.	
5.	

Person to contact concerning this report: Brett Ward	Title or Position: MTAS Consultant		
Mailing Address:	City:	State:	Zip:
Phone number(s): 423-836-3192	Brett.ward@tennessee.edu		
Fax number (optional):	Website (optional):		

Report Certification: (must be signed in accordance with the requirements of Tennessee Rule 1200-4-14-.12(13))	
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manage the system or are directly responsible for gathering the information, the submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. A false statement is subject to the penalties of perjury."	
Name: (print or type) Jonathan Dagley	Mayor
Signature:	Date: 4/22/20

Pretreatment – Narrative Summary

Form 3: Heraeus flow is up because of increased production.

Form 1a

Results of Sampling at Control Authority

Sample Date(s): 3/10/20

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
Parameter	Influent (mg/l)	Protection criteria (mg/l)	Effluent (mg/l)	Pass Through Limit (mg/l)	Removal Rate (%)
Copper (Cu)	0.0392	0.16	0.00326	0.02175	92
Chromium III	0.002	0.25	<0.0005	report	>75
Chromium VI	<0.0005	0.25	<0.005	0.011	
Chromium Total	0.002	0.25	<0.001	0.06	>50
Nickel (Ni)	0.0032	0.13094	0.00104	0.1017	68
Cadmium (Cd)	<0.001	0.00773	<0.001	0.00085	
Lead (Pb)	0.00146	0.09939	<0.001	0.005	>32
Mercury (Hg)	26.7 ng/L	210.0 ng/L	0.55 ng/L	50 ng/L	98
Silver (Ag)	<0.001	0.02894	<0.001	0.00229	
Zinc (Zn)	0.113	0.19	0.0141	0.2	88
Cyanide (Cn)	<0.005	0.01368	<0.005	0.0052	
Phenols, Total	0.084	0.454	<0.04	0.05	>55
Toluene					
Benzene					
1,1,1-trichloroethane					
Ethylbenzene					
Carbon tetrachloride					
Chloroform					
Tetrachloroethylene					
Trichloroethylene					
1,2 trans dichloroethylene					
Methylene chloride					
Naphthalene					
Total phthalates					

Include any parameters sampled in the reporting period including the routine semiannual sampling as well as the effluent sampling specified in Section III of the National Pollution Discharge Elimination System (NPDES) permit, including applicable toxic organics (i.e., toluene, benzene, 1,1,1 – trichloroethane and chloroform).

You must sample for all parameters in your NPDES Permit at the required frequency (See Part 3 of your NPDES permit for required pretreatment monitoring).

Form 1b Biosolids

What does the Control Authority do with the sludge/biosolids? Landfill, Chestnut Ridge

If biosolids are land-applied, please fill out the following Table.

Parameter	Biosolids Concentration (mg/kg)	503 Table 1 limits Ceiling Concentration (mg/kg)	503 Table 3 limits Monthly Ave. (mg/kg)
Arsenic		75	41
Cadmium		85	39
Copper		4300	1500
Lead		840	300
Mercury		57	17
Molybdenum		75	N/A
Nickel		420	420
Selenium		100	100
Zinc		7500	2800

Were there any samples of biosolids that exceeded the ceiling concentrations from 40 CFR Part 503 (Table 1)? N/A

What date(s)?

Form 2

Report of Upsets, Protection Criteria Violations, Biosolids Violations and Pass-Through Limit Violations

Type of Incident	Date	Explanation of Incidents	Corrective Action Taken
N/A			

* Give a detailed explanation of the causes of the incident and the corrective action taken to date. The corrective action should also include any plans the Control Authority has to identify or correct the problem. If there is not enough room on this form, include the information in the Narrative Summary.

Form 3
Industrial User Summary

Industrial User Name and Mailing Address	Contact (indicate Mr./Ms.) Phone #/Fax# and email address (optional)	Type of Industry **	Actual Flow (GPD)
Heraeus Precious Metals 1975 Knoxville Highway, Wartburg, TN 37887	Jimmy Taylor, 423-346-1053	421.266 precious metals recovery, air scrubber	2465 gpd

****If a Significant Industrial User (SIU) is Categorical, list the applicable category (i.e., metal finisher, electroplater, leather tanner, etc.). Non-categorical SIUs should be listed as SN (Significant Non-Categorical), with a description of the process (i.e., SN-landfill or SN-hospital). All Non-significant Categorical Industrial Users (NSCIU) should be listed on the form and identified as an NSCIU. Information on NSCIUs is required on Form 3, but not required on any other form in this report. Industries that are not significant and not categorical are not required to be listed in this report. However, if you wish to list them on this form, please identify them as "Other."**

Form 4				
Industrial User Monitoring Report				
Column 1	Column 2	Column 3	Column 4	Column 5
Industrial User Name and Mailing Address	Control Authority Inspection Date(s)	Control Authority Sampling Frequency	Control Authority Sampling Date(s)	SIU Self-Monitoring Dates(s)
Heraeus	3-5-20	1/6 mo	3-10-20	Monthly

Form 5a Industrial User Compliance Report

Semi-annual reporters only must complete this form
(For semi-annual reporting period April 1, _____ – September 30, _____)

Column 1	Column 2		Column 3		Column 4		Column 5		Column 6	
	January – March		April – June		July – September		January – June		April – September	
Industrial User	Parameters Violated (conc/limit)	Total Number of Samples	Parameters Total Violated (conc/limit)	Total Number of Samples	Parameters Total Violated (conc/limit)	Total Number of Samples	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)

Use one line for each parameter for each SIU with violations, showing whether a Technical Review Criteria (TRC) or Chronic Violation resulted: Yes for violations resulting in TRC or Chronic – both are Significant Non-Compliance (SNC) or No for violations not resulting in TRC/Chronic Violations. Please note that monthly average and daily maximum for a specific parameter are considered to be separate limitations. Therefore, SNC would be calculated separately for each limitation. "Conc" stands for concentration.

Form 5b Industrial User Compliance Report

Semi-annual reporters only must complete this form
(For semi-annual reporting period October 1, 2019– March 31, 2020)

Column 1	Column 2		Column 3		Column 4		Column 5		Column 6	
	July – September		October – December		Jan – March		July – December		October – March	
Industrial User	Parameters Violated (conc/limit)	Total Number of Samples	Parameters Violated (conc/limit)	Total Number of Samples	Parameters Violated (conc/limit)	Total Number of Samples	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)
N/A										

Use one line for each parameter for each SIU with violations, showing whether a Technical Review Criteria (TRC) or Chronic Violation resulted: Yes for violations resulting in TRC or Chronic – both are Significant Non-Compliance (SNC) or No for violations not resulting in TRC/Chronic Violations. Please note that monthly average and daily maximum for a specific parameter are considered to be separate limitations. Therefore, SNC would be calculated separately for each limitation. "Conc" stands for concentration.

Form 5c Industrial User Compliance Report

Annual reporters only must complete this form
(For semi-annual reporting period January 1, _____ – December 31, _____)

Column 1	Column 2		Column 3		Column 4		Column 5		Column 6	
	October – December		January – March		April – June		July – September		October – December	
Industrial User	Parameters Violated (conc/limit)	Total Number of Samples	Parameters Total Violated (conc/limit)	Total Number of Samples	Parameters Total Violated (conc/limit)	Total Number of Samples	Parameters Total Violated (conc/limit)	Total Number of Samples	Parameters Total Violated (conc/limit)	Total Number of Samples

Use one line for each parameter for each SIU with violations, showing whether a Technical Review Criteria (TRC) or Chronic Violation resulted: Yes for violations resulting in TRC or Chronic – both are Significant Non-Compliance (SNC) or No for violations not resulting in TRC/Chronic Violations. Please note that monthly average and daily maximum for a specific parameter are considered to be separate limitations. Therefore, SNC would be calculated separately for each limitation. "Conc" stands for concentration.

Form 5d Industrial User Compliance Report

Annual reporters only must complete this form
(For semi-annual reporting period January 1, _____ – December 31, _____)

Column 1	Column 2		Column 3		Column 4		Column 5	
	October – March		January – June		April – September		July – December	
Industrial User	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)	Chronic Viol. (Yes or No)	TRC Viol. (Yes or No)

Use one line for each parameter for each SIU with violations, showing whether a Technical Review Criteria (TRC) or Chronic Violation resulted: Yes for violations resulting in TRC or Chronic – both are Significant Non-Compliance (SNC) or No for violations not resulting in TRC/Chronic Violations. Please note that monthly average and daily maximum for a specific parameter are considered to be separate limitations. Therefore, SNC would be calculated separately for each limitation. "Conc" stands for concentration.

Form 6
Enforcement and Compliance

Industrial User	Verbal Warnings (1) (Enter Number)	Notice of Violation (Enter Number)	Compliance Schedule Conformity (2)	Administrative Orders (Enter Number)	Number of Violations Resolved
N/A					

1 Verbal warnings include phone calls and site visit discussions.

- 2 Use the following code:**
 - In compliance with schedule = Yes
 - Out of compliance with schedule = No
 - Facility not on a schedule = NA

Note: Describe compliance schedule in a footnote or in the Narrative Summary, giving the date issued, the violation and due dates for major milestones.

Form 7 Pretreatment Performance Summary

I. General Information

Control Authority Name: **Error! Reference source not found.**

Address:

City:

Contact Person: **Error! Reference source not found.**

Contact Phone Number: **Error! Reference source not found.**

Reporting Period: **Error! Reference source not found.** to **Error! Reference source not found.**

NPDES Number: **Error! Reference source not found.**

Number of Categorical SIUs:

Number of Non-Categorical SIUs:

Total Number of SIUs:

1

0

1

II. Significant Industrial Compliance

SIUs

Categorical

Non- Categorical

1) No. of SIUs in Significant Non-compliance (SNC)

0

0

2) Reasons for Significant Non-compliance (SNC)

a) In SNC for Violations of pretreatment standards

b) In SNC for Reporting Violations

c) In SNC for Compliance Schedule Violations

d) In SNC for Other (explain in Narrative Summary)

III. Monitoring

SIUs

Categorical

Non- Categorical

1) Facilities Monitored by CA (samples analyzed for all SIU permit parameters):

a) No. of SIUs Sampled by the Control Authority (CA)

1

0

b) No. of SIUs Inspected by the CA

1

0

2) Total Monitoring Events:

a) No. of Samples by the CA

1

0

b) No. of Inspections by the CA

1

0

3) How many SIUs do not have a current control mechanism (permit)

0

0

IV. Enforcement

SIUs

Categorical

Non- Categorical

1) SIUs Subject to Any Enforcement Actions (include verbal warnings

0

0

2) SIUs Listed in the Newspaper for SNC in this period

3) Notices of Violations Issued *

4) Administrative Orders Issued *

5) No. of SIUs on Compliance Schedules (anytime in period)

6) Suits Filed:

a) Civil Suits *

b) Criminal Suits *

7) Other Actions Taken (sewer bans, etc. but not verbals) *

8) Penalties Collected: (not surcharges)

a) No. of SIUs from whom penalties were collected

0

0

b) Total Dollars (\$) collected in the period	0	0
* Enter the number of ACTIONS, not the number of SIUs		