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NPDES Pretreatment Program Report

version 1.8

(Submission #: HPN-8F3C-SWH9V, version 2)

Details

Submitted 10/20/2022 (0 days ago) by Ray Freeman

Submission ID HPN-8F3C-SWH9V

WWTP Name Wartburg STP

FileNet ID 25eaefbe-f676-4aff-8355-9e627b07d7e8

Status Complete

Form Input

Control Authority Information

Permit Number

TN0028622

Reporting Period Start Date

4/1/2022

Reporting Period End Date

9/30/2022

Wastewater Treatment Plant Name

Wartburg STP

Wastewater Treatment Plant Location

3035 Morgan County Highway

Wartburg, TN 37887

Permittee Name (Legal Name)

City of Wartburg

Does this Program have any Significant Industrial Users?

Yes

Contact Information

Person to Contact Concerning this Report

Prefix

Mr.

First Name Last Name

Ray Freeman

Title

Pretreatment Coordinator

Company Name

Plateau Utility District

Phone Type Number Extension

Business 423-223-3991

Email

rfreeman@plateauutility.com

Address

P.O. Box 386

Wartburg, TN 37887

Contact Affiliation Type

PT Coordinator

Pretreatment Narrative Summary

Pretreatment Narrative Summary

NONE PROVIDED

Comment

More than one set of effluent samples: Cu and Cn are sampled monthly as per NPDES. The max and average numbers listed are accurate results.

Results of Sampling at Control Authority POTW (1 of 1)

NPDES ID: TN0028622

Reporting period start date

04/01/2022

Reporting period end date

09/30/2022

NPDES ID

TN0028622

Was POTW sampling performed during this reporting period?

Yes

Most recent sampling date during the reporting period

8/4/2022

Report the influent concentrations of each parameter sampled. All sample results should be reported only for sampling conducted in the reporting period.

If a particular pollutant is analyzed more frequently than is required, the permittee shall report the maximum value during the reporting period and maximum monthly average value in this table, as required in the NPDES permit. If the parameter was only sampled once during the reporting period, please use that value for the maximum value and the maximum monthly average.

If no influent sampling was conducted during the reporting period, leave the following table blank and proceed to the effluent sampling results table.

Results of Influent Sampling at Control Authority POTW

Parameter	BDL	Influent ↕ Max value (mg/l)	BDL	Influent ↕ Max Monthly Average (mg/l)	Protection criteria (mg/l)	PC Exceedance
Copper (Cu)	NONE PROVIDED	.0244	NONE PROVIDED	.0244	0.16	No
Chromium III	<	.000150	<	.000150	NONE PROVIDED	Yes
Chromium VI	<	.000150	<	.000150	NONE PROVIDED	Yes
Chromium Total	<	.00560	<	.00560	0.25	No
Nickel (Ni)	NONE PROVIDED	.00314	NONE PROVIDED	.00314	0.13094	No
Cadmium (Cd)	<	.000160	<	.000160	0.00773	No
Lead (Pb)	<	.000513	<	.000513	.09939	No
Mercury (Hg)	NONE PROVIDED	.000016	NONE PROVIDED	.000016	.00021	No
Silver (Ag)	NONE PROVIDED	.000181	NONE PROVIDED	.000181	.02894	No
Zinc (Zn)	NONE PROVIDED	.0602	NONE PROVIDED	.0602	.19	No
Cyanide (Cn)	<	.00180	<	.00180	0.01368	No
Phenols, Total	NONE PROVIDED	.0986	NONE PROVIDED	.0986	0.454	No
Toluene	NONE PROVIDED	.000600	NONE PROVIDED	.000600	0.375	No
Benzene	<	.0000941	<	.000941	.01875	No
1,1,1-trichloroethane	<	.000149	<	.000149	0.25	No
Ethylbenzene	<	0.000137	<	0.000137	.04	No
Carbon tetrachloride	<	0.000128	<	0.000128	0.14	No
Chloroform	NONE PROVIDED	0.0139	NONE PROVIDED	0.0139	0.223	No
Tetrachloroethylene	<	0.000300	<	0.000300	0.138	No
Trichloroethylene	<	0.000190	<	0.000190	0.1	No
1,2 trans dichloroethylene	<	0.000149	<	0.000149	0.0075	No
Methylene chloride	<	0.000965	<	0.000965	0.09615	No
Naphthalene	<	0.00100	<	0.00100	0.0125	No
Total phthalates	<	0.01596	<	0.01596	0.0169	No

CORRECTION REQUEST (APPROVED)

Influent lead max monthly average shows measured amount

I suspect this should be BDL, <. Please confirm or correct
 Created on 10/13/2022 2:43 PM by **Gordon Holcomb**

1 COMMENT

Ray Freeman (rfreeman@plateauutility.com) (10/20/2022 7:24 AM)

Yes. Lead is < BDL of .000513

 You are about to report a Protection Criteria Exceedance.

NOTE (CREATED)

Cr III and Cr VI are Report Only

No actual Protection Criteria Exceedance as influent Cr III and Cr VI are Report Only
Created on 10/14/2022 7:40 AM by **Gordon Holcomb**

Report the effluent concentrations of each parameter sampled. All sample results should be reported only for sampling conducted in the reporting period.

If a particular pollutant is analyzed more frequently than is required, the permittee shall report the maximum value during the reporting period and maximum monthly average values in this table, as required in the NPDES permit. If the parameter was only sampled once during the reporting period, please use that value for the maximum value and the maximum monthly average.

If no effluent sampling was conducted during the reporting period, leave the following table blank and proceed to the next section.

Results of Effluent Sampling at Control Authority POTW

Parameter	BDL	Effluent  Max value (mg/l)	BDL	Effluent  Max Monthly Average (mg/l)	Pass Through Limit (mg/l)	PTL Exceedance
Copper (Cu)	NONE PROVIDED	0.00245	NONE PROVIDED	.002027	0.03127	No
Chromium III	<	0.000150	<	0.000150	NONE PROVIDED	Yes
Chromium VI	<	0.000150	<	0.000150	0.011	No
Chromium Total	<	0.00560	<	0.00560	0.06	No
Nickel (Ni)	NONE PROVIDED	0.000996	NONE PROVIDED	0.000996	0.14786	No
Cadmium (Cd)	<	0.000160	<	0.000160	0.00323	No
Lead (Pb)	<	0.000513	<	0.000513	0.01734	No
Mercury (Hg)	NONE PROVIDED	0.00000269	NONE PROVIDED	0.00000269	0.00005	No
Silver (Ag)	<	0.000144	<	0.000144	0.00446	No
Zinc (Zn)	NONE PROVIDED	0.0142	NONE PROVIDED	0.0142	0.200	No
Cyanide (Cn)	<	0.00404	NONE PROVIDED	0.002465	0.00520	No
Phenols, Total	<	0.00830	<	0.00830	0.050	No
Toluene	<	0.000278	<	0.000278	0.0150	No
Benzene	<	0.0000941	<	0.0000941	0.0030	No
1,1,1-trichloroethane	<	0.000149	<	0.000149	0.010	No
Ethylbenzene	<	0.000137	<	0.000137	0.004	No
Carbon tetrachloride	<	0.000128	<	0.000128	0.015	No
Chloroform	NONE PROVIDED	0.0129	NONE PROVIDED	0.0129	0.085	No
Tetrachloroethylene	<	0.00300	<	0.00300	0.025	No
Trichloroethylene	<	0.000190	<	0.000190	.01	No
1,2 trans dichloroethylene	<	0.000149	<	0.000149	0.0015	No
Methylene chloride	<	0.000430	<	0.000430	0.05	No
Naphthalene	<	0.00100	<	0.00100	0.001	No
Total phthalates	NONE PROVIDED	0.000895	NONE PROVIDED	0.000895	0.0645	No

CORRECTION REQUEST (APPROVED)

More than one set of effluent tests?

Some of the reported max effluent values differ from the max monthly average values (Cu, CN), suggesting that more than one set of tests was conducted. In addition, the CN max monthly average value is greater than the maximum value, which would be unusual. Please confirm and/or correct

Created on 10/14/2022 7:47 AM by **Gordon Holcomb**

1 COMMENT

Ray Freeman (rfreeman@plateauutility.com) (10/20/2022 7:26 AM)

Yes. There are 6 samples tested for Cu and CN only as per our NPDES permit. The max and average values listed are correct.

⚠ You are about to report a Pass Through Limit Exceedance.

NOTE (CREATED)

Cr III is Report Only

No actual Pass Through Limit Exceedance as effluent Cr III is Report Only

Created on 10/14/2022 7:41 AM by **Gordon Holcomb**

Biosolids

What does the Control Authority do with biosolids?

Land Application

Were biosolids/sludge sampled during the reporting period?

No

Upsets and Exceedances

During the reporting period, were there any upsets, protection criteria exceedances, biosolids violations, or pass through limit exceedances?

No

Industrial User Information (1 of 1)

Heraeus Precious Metals

Industrial User Site Name

Heraeus Precious Metals

Update Industrial User Site Name if the above name is not accurate

NONE PROVIDED

Industrial User Formal Name

Heraeus Precious Metals North America LLC.

Industrial User Site Address

1975 Knoxville Hwy

Wartburg, TN 37887

Industrial User Type of Ownership

Corporation

Industrial User Contact

Prefix

NONE PROVIDED

First Name

Andrew

Last Name

Morgan

Title

Production Planning & Scheduling/ Lean Manager

Phone Type

Business

Number

423-346-1065

Extension

Email

andrew.morgan@Heraeus.com

Industrial User Contact Affiliation Type

Facility Contact

Receiving WWTP NPDES Permit Number

TN0028622

Primary NAICS Code

Alloying purchased nonferrous metals (except aluminum, copper) - 331492

Secondary NAICS Code

NONE PROVIDED

Industrial User Type

CIU (categorical industrial user)

Industrial User Description (Examples: automotive parts, landfill leachate, commercial laundry)

Nonferrous Metals Manufacturing

Applicable category

PART 421 - Nonferrous metals manufacturing point source category

Is the industrial user subject to local limits?

Yes

Is the industrial user subject to local limits that are more stringent than categorical limits?

No

Industrial user permit coverage status

Active

Industrial user permit effective date

05/01/2022

Industrial user permit expiration date

04/30/2026

Does the Industrial User track the maximum monthly average process flow rate, average total flow rate, or both?

Average process flow rate

Maximum monthly average process flow rate (GPD)

1,048

Did the industrial user notify the Control Authority of a substantial change in discharge?

No

Date of last industrial user inspection by Control Authority during the reporting period

8/3/2022

Number of inspections at this IU (Industrial User) during the reporting period

1

Number of required sampling events by the Control Authority

1

Number of completed sampling events by Control Authority

1

Number of required industrial user self-monitoring sampling events

6

CORRECTION REQUEST (APPROVED)

Does the CA sample for the Industry?

Please confirm (or not) that the CA samples for the industry.

Created on 10/14/2022 7:51 AM by **Gordon Holcomb**

1 COMMENT

Ray Freeman (rfreeman@plateauutility.com) (10/20/2022 7:32 AM)

I collect composite and grab samples once per reporting period. Heraeus collects monthly samples as per there permit.

Number of completed industrial user self-monitoring sampling events

6

Enforcement Actions Taken Against IU (if any)

Enforcement action taken	Number of occurrences
--------------------------	-----------------------

Cash civil penalty assessed (format ex. \$100.00)

NONE PROVIDED

Cash civil penalty collected (format ex. \$100.00)

NONE PROVIDED

Did the industrial user cause or contribute to pass-through, interference, violation of NPDES permit limits, or any other problems associated with POTW discharge?

No

Did the industrial user cause or contribute to interference with the use or disposal of biosolids or sewage sludge or a violation of NPDES permit requirements or EPA's regulations at 40 CFR 503 or any other problems associated with the receiving POTW's sludge/biosolids?

No

Was the industrial user in significant noncompliance (SNC) during the reporting period?

No

Is the industrial user currently subject to an enforceable compliance schedule?

No

Was the industrial user published in the newspaper for SNC during the reporting period?

No

Local Limits

Were new local limits adopted during the reporting period?

No

Was a technical evaluation of the need to revise local limits completed during the reporting period?

No

SNC Calculations

Right click and select open link in new window to download.

[SNC Form A for April 1](#)  [September 30 reporting period \(for semi-annual reporters only\)](#)

Right click and select open link in new window to download.

[SNC Form B for October 1](#)  [March 31 reporting period \(for semi-annual reporters only\)](#)

Right click and select open link in new window to download.

[SNC Form C/D for January 1](#)  [December 31 reporting period \(for annual reporters only\)](#)

SNC calculation

NONE PROVIDED

Comment

NONE PROVIDED

Internal Data

Label	Value
Permit Number	TN0028622
Site ID	5253
Document Type	Report
Form Name	Pretreatment Annual Report
Form Number	CN-1382
Permit Type	Individual
RDA Number	2367
Class ID	Pretreat AR

Status History

	User	Processing Status
10/20/2022 7:13:13 AM	Ray Freeman	Draft
10/20/2022 7:40:23 AM	Ray Freeman	Signing
10/20/2022 7:40:24 AM	Ray Freeman	Submitting
10/20/2022 7:40:46 AM	Ray Freeman	Submitted
10/20/2022 7:40:58 AM	Ray Freeman	In Review
10/20/2022 9:22:17 AM	Gordon Holcomb	Complete

Audit

Event	Event Description	Event By	Event Date
Submission Locked	Submission Locked	Gordon Holcomb	10/13/2022 2:42 PM
Submission Unlocked	Submission Unlocked	Gordon Holcomb	10/14/2022 7:52 AM
Submission Locked	Submission Locked	Gordon Holcomb	10/20/2022 8:13 AM
Submission Unlocked	Submission Unlocked	Gordon Holcomb	10/20/2022 8:15 AM

Processing Steps

Step Name	Assigned To/Completed By	Date Completed
Form Submitted	Ray Freeman	10/20/2022 7:40:46 AM
Assign NCO Technical Reviewer	Adam Bonomo	10/12/2022 2:09:55 PM

Step Name	Assigned To/Completed By	Date Completed
Assign EFO Technical Reviewer	Adam Bonomo	10/13/2022 12:34:45 PM
NCO Technical Review	Gordon Holcomb	10/20/2022 9:21:58 AM
EFO Technical Review	Adam Bonomo	10/13/2022 12:35:37 PM
Submission Deemed Complete	Gordon Holcomb	10/20/2022 9:21:58 AM

Revisions

Revision	Revision Date	Revision By
Revision 1	10/7/2022 10:30 AM	Ray Freeman
Revision 2	10/20/2022 7:13 AM	Ray Freeman

Agreements and Signature(s)

SUBMISSION AGREEMENTS

- I am the owner of the account used to perform the electronic submission and signature.
- I have the authority to submit the data on behalf of the facility I am representing.
- I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

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.

Signed Ray Freeman on 10/20/2022 at 7:40 AM
By