# DELEGATED POTW PRETREATMENT ANNUAL REPORT

## Cover Sheet

**Control Authority Name** Batesville WWTP
**Report Date** April 1, 2024
**Period Covered by this Report, from** January 2023 **to** December 2023

| Name of Wastewater Treatment Plant(s) | NPDES Permit No. |
|---|---|
| Batesville WWTP | IN 0039268 |
| | |
| | |

**Person to contact concerning information contained in this report:**

Name Mr. Terry J Nobbe
Title Pretreatment Coordinator
Mailing Address 25019 Underpass Road
Batesville, IN 47006
County Franklin
Telephone No. 812-934-5338
Fax No. 812-934-5346
Email Address (optional): wwtpoper@etczone.com
Website Address (optional):
Name Mayor Mr. Mike Bettice
Mailing Address 132 South Main Street
Batesville, IN 47006

**I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete.**

**Date:** _____ **Signed:** _____

**Print Name** Terry J Nobbe **Title** Pretreatment Coordinator

# PRETREATMENT NARRATIVE SUMMARY

**Overview**

The City of Batesville's is a Delegated Pretreatment Program and our NPDES Permit No. is IN0039268. Please note that the following Significant Industrial User (SIU) permits have been issued by the City of Batesville since the Delegated Pretreatment Program requirements were effective: Batesville Manufacturing, Inc.– Doll Plant (01-11), Hill-Rom Baxter, Inc. – Ritter Plant (03-11), Hill-Rom Baxter, Inc. – Plating Plant (04-11) and Wood-Mizer LLC. (01-15).

**Violation Summary**

June 14, 2023, Batesville Manufacturing, Inc. Doll Plant (Permit No. 01-11) analytical result indicated a Zinc concentration of 1.99 mg/l which was in excess of the 1.66 mg/l daily maximum limitation as identified in Section 50.038-Local limits of Ordinance No. 10-2021 and Industrial Wastewater Pretreatment Permit No. 01-11.

October 4, 2023, Hill-Rom Baxter, Inc. Ritter Plant (Permit No. 03-11) analytical result indicated a Phosphorous concentration of 26.9 mg/l which was in excess of the 25.0 mg/l daily maximum limitation as identified in Section 50.038-Local limits of Ordinance No. 10-2021 and Industrial Wastewater Pretreatment Permit No. 03-11.

All violations were addressed in accordance with the City's Sewer Use Ordinance (10-2021) and Enforcement Response Plan. None of the summarized caused POTW pass-through or interference and all violations were quickly resolved by the respective permittees.

1. Program effectiveness as measured by the impact of the discharges from IUs on the operations/ performance of the POTW;

It is the City's belief that the pretreatment program has been effective in minimizing the impact of the industrial users on the operation and performance of the POTW. No pass through, interference or effluent limitations violations occurred at the POTW that could be traced to an industrial user effluent quality.

2. The adequacy of the local SUO and local limits;

Based on the continued compliance of the POTW in meeting its requirements defined in the NPDES permit and no observations of pass through and/or interference issues, it is the City's belief that the local SUO (10-2021) and discharge limitations are adequate in providing protection to the POTW and the receiving stream.

3. The adequacy of resources, including personnel, training, equipment and laboratory;

The City has the proper resources dedicated to implementation of its pretreatment program. Terry Nobbe has been the Pretreatment Coordinator since 2001 and additional staff is utilized if needed. As necessary, the City utilizes the services of environmental consultants and laboratories to aid in the administration of the Pretreatment Program.

4. The need for program modifications to improve program effectiveness.

The City does not believe that any modifications to its pretreatment program are needed at this time. The program has proven to be both effective and efficient, while protecting the POTW against issues related to pass through and interference.

# FORM NO. 1

# BIOSOLIDS

What does the Control Authority do with the sludge/biosolids? Land Apply per INLA000544.

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

| Pollutant | Biosolids Concentration (mg/kg) | 503 Table 1 limits Ceiling Concentration (mg/kg) | 503 Table 3 limits Monthly Ave. (mg/kg) |
|---|---|---|---|
| **Arsenic** | 5.61 | **75** | **41** |
| **Cadmium** | 0.645 | **85** | **39** |
| **Copper** | 789 | **4300** | **1500** |
| **Lead** | <5.26 | **840** | **300** |
| **Mercury** | <1.05 | **57** | **17** |
| **Molybdenum** | 10 | **75** | **N/A** |
| **Nickel** | 26.3 | **420** | **420** |
| **Selenium** | 2.97 | **100** | **100** |
| **Zinc** | 1053 | **7500** | **2800** |

*Biosolids were sampled on March 14, 2023 and analyzed on March 17 and March 22, 2023.

Were there any samples of biosolids that exceeded the ceiling concentrations from 40 CFR Part 503 (Table 1)? No

What date(s)? _____

# FORM NO. 2

## REPORT OF UPSETS, BIOSOLIDS VIOLATIONS, AND NPDES PERMIT EFFLUENT LIMIT VIOLATIONS

| Type of Incident | Date | * Explanation of Incidents | * Corrective Action Taken |
|---|---|---|---|

There are no upsets, biosolids violations, or NPDES permit effluent limitation violations to report.

* 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 POTW has to identify or correct the problem. If there is not enough room on this form, include the information in the Narrative Summary.

# FORM NO. 3

## REPORT OF TENTATIVELY IDENTIFIED COMPOUNDS (TIC)

In an effort to identify harmful, potentially dangerous, or otherwise disruptive compounds entering the treatment works, the Town annually runs SOC, VOC, and TTO samples on its influent and effluent as required by the NPDES Permit. If the City were to have a violation on its effluent then the incoming waste could help determine whether any of these compounds may have originated from an Industrial User.

The results from these scans show all priority pollutants under the detection limit for the WWTP. The scan also includes a list of tentatively identified compounds which are entering the POTW. The following compounds were found to be present at concentrations above the Quantitation Limit:

| TIC Name | Influent (ug/ml) | Effluent (ug/ml) | Sludge (ug/ml) |
|---|---|---|---|
| n-Hexadecanoic acid | 1,376.7 | 6.9 ug/ml | 2,431.77 ug/ml |
| Dodecanoic acid | 124 | Below detect | Below detect |
| Tetradecanoic acid | 250.7 | Below detect | Below detect |
| 5-Octadecene, (E)- | 132.8 | Below detect | Below detect |
| Octadecanoic acid | 1836.3 ug/ml | Below detect | Below detect |
| Linoelaidic acid | 151.1 ug/ml | Below detect | Below detect |
| Epicholestanol | 261.6 ug/ml | Below detect | Below detect |
| Cholesterol | 272.6 ug/ml | Below detect | Below detect |
| ß-Sitosterol | 298.1 ug/ml | Below detect | Below detect |
| Unknown | 221.9 ug/ml | N/A | N/A |
| Tridecane | Below detect | Below detect | 132 ug/ml |
| Hexathiane | Below detect | Below detect | 159.06 ug/ml |
| Heptadecanol | Below detect | Below detect | 828.96 ug/ml |
| Squalene | Below detect | Below detect | 132 ug/ml |
| Stigmastanol | Below detect | Below detect | 115.5 ug/ml |
| Unknown | N/A | N/A | 191.4 ug/ml |
| Unknown | N/A | N/A | 119.46 ug/ml |
| Unknown | N/A | N/A | 141.9 ug/ml |
| Unknown | N/A | N/A | 168.3 ug/ml |

The acids above can be traced to palm oils, vegetable fats, soaps or animal fats. Possible point sources for these compounds are lubricants or soaps used in processing. Such lubricants may be traced to their discharge. 5-Octadecene (E)- is used in analytical studies on the volatile components of Disporum cantoniese radix and rhizomes from different producing areas. Cholesterol, ß-sitosterol, and epicholestanol are both found in the gut of animals and birds and are essential structural components of cell membranes. Tridecane is a component of various fuels and solvents, and is used

* 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 POTW has to identify or correct the problem. If there is not enough room on this form, include the information in the Narrative Summary.

as a distillation chaser for research laboratories. Heptadecanol is a long-chain fatty alcohol and a volatile oil component. Squalene is an organic compound and is an important ingredient in vaccine adjuvants and as a biochemical precursor to both steroids and hopanoids. Stigmastanol is a product of the reduction of ß-sitosterol. The sources for these compounds may be by-products related to chemical manufacturing.

Unknown compounds detected with the tentatively identified compounds were not identified with the reports. The majority of the compounds detected in the influent sampling were not detected in effluent sampling.

* 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 POTW has to identify or correct the problem. If there is not enough room on this form, include the information in the Narrative Summary.

# FORM NO. 4

## INDUSTRIAL USER UPDATE

| INDUSTRIAL USER NAME | CONTACT PHONE MAILING ADDRESS | **TYPE OF INDUSTRY | ACTUAL FLOW (GPD) |
|---|---|---|---|
| Batesville Manufacturing Inc.<br>Doll Plant | Mr. Dustin Pflum 812-934-8297<br>1000 East Pearl Street<br>Batesville, IN 47006 | 40 CFR 433-15: Existing Source Metal Finisher &<br>40 CFR 464.45: Metal Molding & Casting Point Source Category – Zinc Die Casting | 30,000 to 35,000 |
| Batesville Manufacturing Inc.<br>Hageman Plant | Mr. Dustin Pflum 812-934-8297<br>1000 East Pearl Street<br>Batesville, IN 47006 | 40 CFR 433-15 Existing Source Metal Finisher | 1000 and hauled to Doll Plant |
| Hill-Rom Inc.<br>Ritter Plant | Mr. Mark Atkinson 812-212-3781<br>1125 East Pearl Street<br>Batesville, IN 47006 | 40 CFR 433-15 Existing Source Metal Finisher | 35,000 to 40,000 |
| Hill-Rom Inc.<br>Plating Plant | Mr. Mark Atkinson 812-212-3781<br>1125 West Pearl Street<br>Batesville, IN 47006 | 40 CFR 433-15 Existing Source Metal Finisher | 15,000 to 25,000 |
| Ricca Chemical Co. | Mrs. Beverly Torres 812-932-1160<br>1490 Lammers Pike<br>Batesville, IN 47006 | Chemical Manufacturing | Sanitary only |
| Batesville Tool & Die | Mr. Urban Brackman 812-934-5616<br>177 Six Pine Ranch Road<br>Batesville, IN 47006 | Metal Stamping | Sanitary only |
| El-Tek of Indiana | Mr. Richard Feagins 812-933-0263<br>1863 Lammers Pike<br>Batesville, IN 47006 | Metal Cleaning | Sanitary only |
| Wood-Mizer LLC. | Mr. Rob Edwards 812-933-1415<br>27 Enterprise Drive<br>Batesville, IN 47006 | 40 CFR 433-15 Existing Source Metal Finisher | 2400 |
| | | | |

**If an IU is Categorical (CIU), list the applicable category (i.e., metal finisher, electroplater, leather tanner, etc. or 40 CFR 433.17, etc.). Non-categorical SIUs should be listed as "SIU", with a description of the process (i.e., SIU-landfill or SIU-hospital). 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."

**Please attach a copy of the completed industrial user survey form for each of the IUs listed above (the industrial user survey is due every other year, or bi-annually per Part III of your NPDES permit). See Attachment A for a blank copy of the industrial user survey.**

# FORM NO. 5

## INDUSTRIAL USER MONITORING REPORT

**The following list is to be completed for those IUs that are permitted by IDEM. Include additional pages if necessary.

| Column No. 1 | Column No. 2 | Column No. 3 | Column No. 4 | Column No. 5 | Column No. 6 |
|---|---|---|---|---|---|
| **Industrial User** | **POTW Inspection Date(s)** | **Description of Violations Found During Inspection (This info may also be included in the Narrative Summary.)** | **POTW Sampling Frequency** | **POTW Sampling Date(s)** | **CIU/SIU Self-Monitoring Date(s)** |
| Batesville Manufacturing Inc. Doll Plant | 12-6-23 | None Found | Quarterly | March 15th, 16th, 17th<br>June 13th, 14th, 15th<br>September 12th, 13th, 14th<br>December 5th, 6th, 7th | January 24th, February 15th, March 17th<br>April 27th, May 24th, June 15th, July 20th<br>August 23rd, September 13th, October 19th<br>November 28th, December 6th |
| Batesville Manufacturing Inc.Hageman | | | No discharge | No discharge<br>Hauled to Doll Plant<br>Weekly for treatment | Sampled with Doll Plant |
| Hill-Rom Inc. Ritter Plant | 11-15-23 | None Found | Quarterly | March 14th, 15th, 16th<br>June 13th, 14th, 15th<br>September 12th, 13th, 14th<br>December 5th, 6th, 7th | Used Batesville WWTP Quarterly results for their June and December sampling per their permit. |
| Hill-Rom Inc. Plating Plant | 11-15-23 | None Found | Quarterly | March 14th, 15th, 16th<br>June 13th, 14th, 15th<br>September 12th, 13th, 14th<br>December 5th, 6th, 7th | January 4th, 10th, 18th, 24th, 31st<br>February 7th,14th, 21st, 28th<br>March 9th, 15th, 21st, 28th<br>April 4th, 11th, 18th, 25th<br>May 2nd, 9th, 16th, 23rd, 30th<br>June 6th, 13th, 20th, 27th<br>July 12th, 18th, 25th<br>August 1st, 8th, 15th, 22nd, 29th<br>September 7th, 12th, 21st, 27th<br>October 3rd, 10th, 18th, 24th, 31st<br>November 8th, 14th, 21st, 28th<br>December 5th, 12th, 19th |
| Woodmizer LLC. | 11-7-23 | None Found | Quarterly | March 14th, 15th, 16th<br>June 13th, 14th, 15th<br>September 12th, 13th, 14th<br>December 5th, 6th, 7th | January 10th February 7th, April 11th<br>May 16th, July 12th, August 8th,<br>October 16th, November 7th<br>Used analytical results from Batesville WWTP Quarterly sampling for March, June, Sept., Dec., per permit No. (01-15) |

# Form No. 6a

## INDUSTRIAL USER COMPLIANCE REPORT

(For the annual reporting period January 1, 2023 - December 31, 2023)

| Column No. 1 | Column No. 2 Jan – March | | Column No.3 April – June | | Column No. 4 July – Sept | | Column No. 5 Oct – Dec | |
|---|---|---|---|---|---|---|---|---|
| **Industrial User** | **Parameters Violated (conc/limit)** | **Total Measurements** | **Parameters Violated (conc/limit)** | **Total Measurements** | **Parameters Violated (conc/limit)** | **Total Measurements** | **Parameters Violated (conc/limit)** | **Total Measurements** |
| **Batesville Manufacturing, Inc. Doll Plant (01-11)** | | | Zinc (Reported) = 1.99 mg/l<br>Daily Max. = 1.66 mg/l | | | | | |
| **Hill-Rom, Inc. (Baxter) Ritter Plant (03-11)** | | | | | | | Phosphorous (Reported) = 26.9 mg/l<br>Daily Max.= 25.0 mg/l | |
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**List only CIUs/SIUs who had a violation. Use one line for each parameter violated. Record Chronic or TRC violation on Form 5b. Provide a copy of the analytical results that indicate a violation of an applicable IWP or the SUO.**

Monthly average and daily maximum for a specific parameter are considered to be two separate parameters.

# Form No. 6b

## SNC - INDUSTRIAL USER COMPLIANCE REPORT

(For the annual reporting period January 1, 2023 - December 31, 2023)

| Column No. 1 | Column No. 2 Oct – Mar | | Column No. 3 Jan – June | | Column No. 4 April – Sept | | Column No. 5 July – Dec | |
|---|---|---|---|---|---|---|---|---|
| Industrial User | Chronic Viol. (0 or 1) | TRC Viol. (0 or 1) | Chronic Viol. (0 or 1) | TRC Viol. (0 or 1) | Chronic Viol. (0 or 1) | TRC Viol. (0 or 1) | Chronic Viol. (0 or 1) | TRC Viol. (0 or 1) |
| None to report | | | | | | | | |
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Use one line for each parameter for each SIU with violations, showing whether a TRC or Chronic Violation resulted: 1 for violations resulting in TRC or Chronic (both are SNC), or 0 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 parameters.

# FORM NO. 7

## ENFORCEMENT AND COMPLIANCE

| Industrial User | Verbal Warnings (1) (enter number) | Notices of Violation (enter number) | Compliance Schedule Conformity (2) | Administrative Orders (enter number) | Number of Violations Resolved |
|---|---|---|---|---|---|
| Batesville Manufacturing Inc. Doll Plant (01-11) | 1 | NOV Attached Verbal Response | NA | 0 | 1 |
| Hill-Rom Inc. (Baxter) Ritter Plant (03-11) | 1 | NOV and Response Attached | NA | 0 | 1 |
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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 NO. 8
# PRETREATMENT PERFORMANCE SUMMARY

## I. GENERAL INFORMATION

| | |
|---|---|
| Control Authority Name | Batesville POTW |
| Address | 25019 Underpass Road |
| City | Batesville, IN 47006 |
| Contact Person | Terry Nobbe |
| Contact Telephone No. | 812-934-5338 |
| NPDES Nos. | IN0039268 |
| Reporting Period | January 2023- December 2023 |
| No. of Categorical SIUs | 4 |
| No. of Non-Categorical SIUs | 0 |
| Total No. of SIUs | 4 |

| II. SIGNIFICANT INDUSTRIAL USER COMPLIANCE | SIUs: Categorical | SIUs: Non-Categorical |
|---|---|---|
| 1) No. of SIUs in Significant Non-compliance (SNC) | 0 | |
| 2) Reasons for Significant Non-compliance (SNC) | | |
| a) In SNC for Effluent Discharge Violations | N/A | |
| b) In SNC for Reporting Violations | N/A | |
| c) In SNC for Compliance Schedule | N/A | |
| d) In SNC for Other (explain in Narrative Summary) | N/A | |

## III. MONITORING

| | | |
|---|---|---|
| 1) Facilities Monitored by CA (samples analyzed for all SIU permit parameters): | | |
| a) No. of SIUs Sampled by the Control Authority (CA) | 4 | |
| b) No. of SIUs Inspected by the CA | 4 | |
| 2) Total Monitoring Events: | | |
| a) No. of Samples by the CA | 48 | |
| b) No. of Inspections by the CA | 4 | |

## IV. ENFORCEMENT

| | | |
|---|---|---|
| 1) SIUs Subject to Any Enforcement Actions ** | 0 | |
| 2) SIUs Listed in the Newspaper for SNC in this period | 0 | |
| 3) Notices of Violations Issued * | 2 | |
| 4) Administrative Orders Issued * | 0 | |
| 5) No. of SIUs on Compliance Schedules (anytime in period) | 0 | |
| 6) Suits Filed: | | |
| a) Civil Suits * | 0 | |
| b) Criminal Suits * | 0 | |
| 7) Other Actions Taken (sewer bans, etc. but not verbals) * | 0 | |
| 8) Penalties Collected: | | |
| a) No. of SIUs from whom penalties were collected | 0 | |
| b) Total Dollars ($) collected in the period | 0 | |

* Enter the number of ACTIONS, not the number of SIUs.
** Include Verbal Warnings.

ATTACHMENT A
INDUSTRIAL USER SURVEY

Industry Name:

Address:

Industry Representative/Title:

Phone #:

Product Manufactured:

Raw Materials:

Chemicals Used in Process:

Description & Identification of Wastewater Generating Processes (Use Back if Necessary):

Process Flows:

Wastestream #1_____gpd #2_____ gpd #3_____gpd

Total Process Flow_____ gpd # of Outfalls_____

Wastewater Pretreatment Description:

Batch or Continuous Discharge:_____