INSPECTION REPORT

Inspection Entry Date/Time	11/08/2022 09:00 AM (ET)	Announced: Yes
Inspection Exit Date/Time	11/08/2022 11:15 AM (ET)	Access: Granted
Weather	Day 1 – Sunny and 45°F	
Media	Water	
Statute(s)/Program(s)	Clean Water Act, National Pollutant Discharge Elimination System (NPDES), Wastewater Treatment Plant (WWTP)	
Type of Inspection	CEI - Compliance Evaluation Inspection	
Confidential Business Information (CBI)	No CBI is included in this report and the facility did not make a CBI claim on any of the information provided.	
Permittee Name	Scioto County Commissioners Minford Area WWTP	
Facility or Site Name	Minford Area WWTP	
Facility/Site Physical Address	East of SR 335, south of County Road 12 and north of the Scioto County Airport	
City, State, Zip Code	Minford, Ohio	
County/Borough/Parish	Scioto County	
Facility GPS Coordinates	38.848828, -82.852041	
Mailing Address (If different)	602 Seventh Street, Room 104 Court House	
City, State, Zip Code	Portsmouth, Ohio 45662	
FRS ID	110045506387	
Permit Number(s) (If Applicable)	OH0140163	
SIC and/or NAICS	4952	

Regulatory Representatives Participating in Inspection:

Title	Name	Organization
Inspector	Danny Nguyen	EPA Region 5

Lead Inspector:

Andi Hodaj	ANDI HODAJ Digitally signed by ANDI HODAJ Date: 2023.01.13 13:28:31 -06'00'		
	EPA Region 5	hodaj.andi@epa.gov	(312) 353-4645

Supervisor Review:

Molly Smith	MOLLY SMITH Digitally signed by MOLLY SMITH Date: 2023.01.17 08:28:38 -06'00'		
	EPA Region 5	Smith.Molly@epa.gov	

SECTION I – INTRODUCTION

Site Entry and Inspection Objectives

EPA Region 5 Lead Inspector, Andi Hodaj, arrived at the Minford Area WWTP (the "Site" or "Facility"), located at Minford, Ohio, at 09:00 AM (ET) on 11/08/2022 for an announced inspection. EPA Region 5 Lead Inspector presented credentials to Jeff Cox and JP Pickelsimer and informed them that this was an EPA Region 5 inspection to determine compliance as authorized by Clean Water Act (CWA) Section 308 and implementing regulations. This report is based on information supplied by Minford Area WWTP representatives, direct observations made by the EPA Region 5 inspectors, records and reports maintained by the permittee and other information including: photographs taken by EPA Region 5 inspectors, physical evidence collected by the EPA Region 5 inspectors, measurements taken by EPA Region 5 inspectors, verbal or written statements made by information supplied by Minford Area WWTP representatives during or subsequent to the on-site inspection, and materials, processes, data, photographs, or documents shown, demonstrated, or submitted to the EPA Region 5 inspectors by Minford Area WWTP representatives during or subsequent to the on-site inspection. In addition, information gathered prior to or subsequent to the inspection from a review of EPA, State, and/or public records may be included in this report.

Attendees

Organization	Attendee Name	Title	Present in Opening Conf.	Present in Closing Conf.
EPA Region 5	Andi Hodaj	Lead Inspector	Yes	Yes
EPA Region 5	Danny Nguyen	Inspector	Yes	Yes
Minford Area WWTP	Jeff Cox	Operator of Record	Yes	Yes
Scioto County	JP Pickelsimer	County Engineer	Yes	Yes

Facility/Site Description

EPA Region 5 lead inspector confirmed the following facility information:

The Facility is publicly owned by Scioto County. It has a design flow of 0.375 million gallons per day (MGD) and serves 964 residents connected to a sanitary-only collection system. No industrial users discharge process waste to the WWTP. The Facility consists of an inflow structure, a spiral screen, an oxidation tank, a splitter box, two clarifiers, a post aeration tank, an ultraviolet (UV) disinfection channel and two aerobic digesters. The Facility discharges into Long Run via outfall 001. The last day of UV disinfection was October 31, 2022. Sludge is hauled to the Wheelersburg WWTP for pressing. The last time sludge was hauled was on October 28, 2022, and the amount was approximately 40,000 gallons. Chain of custody forms and lab reports for samples taken are kept at the Wheelersburg WWTP lab. Long Run is a tributary of Rocky Fork which flows into Scioto River and eventually to Ohio River. Long Run is listed as impaired for the designated uses of Warmwater Habitat and Recreation - Primary Contact, with primary pollutants causing impairment Low Oxygen and Bacteria.

Photo(s)

1. RIMG2870.JPG

Facility/Site Information

Responsible official	Jeff Cox
WWTP Design Capacity & Average Daily Flow	0.375 MGD design flow, 0.135 MGD average flow and 1.4 MGD wet weather flow (peak)
WWTP Approx. # of residents served	964
Contributing (or shared) Jurisdictions	Minford Area, Minford, Ohio
Outfalls: (and do the numbers, locations, and receiving waters match the permit?)	1 outfall and the outfall number, location and receiving water match the permit
Operation schedule (days of operation, # shifts/day, # operators/shift, coverage overnight, weekends & emergencies), and is staffing sufficient for proper operation?	20 hours/week, 1 operator, 5 days/week
Do you use in-house or contract out for laboratory analyses? (including for metals or WET testing?)	Temperature, Dissolved Oxygen (DO), pH, Total Suspended Solids (TSS), Ammonia – Nitrogen, Orthophosphate, Carbonaceous Biochemical Oxygen Demand (CBOD) and Escheria Coli (E.coli) are measured in-house and the rest of the parameters in the permit are analyzed by a contract lab (MASI Environmental Laboratories).
Do you accept waste from septage haulers? If so, what problems have you experienced?	No
Is there currently any portion of the treatment train that is non-operational?	The post aeration tank was not operating at the time. The blowers at the aerobic digesters were turned off.
Are there any plans for renovation or additional equipment to allow for increased wastewater flow?	No

Locations

Location/Area/Sub-area	Description
Aerobic digesters	There are two aerobic digesters at the Facility.
Clarifiers	There are two clarifiers that receive flow from the oxidation tank.
Headworks	The headworks comprise of the influent pipes and pumps, the spiral screen, the autosampler and the trash collector.
Outfall 001	The physical outfall on the south bank of the Long Run and the outfall signage.
Oxidation tank	Two concentric tanks with four aeration rotors.
Post-aeration tank and UV channel	This location includes, the post-aeration tank, UV disinfection channel and control panel, final tank and the effluent autosampler.

SECTION II – OBSERVATIONS

Location: Headworks		
Observation #: AH2-OB-001	**Date:** 11/08/2022	**Weather:** Sunny and 45°F

EPA observed the headworks where there were two influent pipes, a spiral screen and a container where the screened solids are disposed, a refrigerated autosampler and the control panel for the spiral screen. EPA did not observe a thermometer in the autosampler and the autosampler lacked power at the time of the inspection.

Photos

1. RIMG2871.JPG
2. RIMG2872.JPG
3. RIMG2873.JPG
4. RIMG2874.JPG

Location: Oxidation tank		
Observation #: AH2-OB-002	**Date:** 11/08/2022	**Weather:** Sunny and 45°F

EPA observed two influent pipes in the oxidation tank. The oxidation tank comprised of two concentric ellipse-shaped tanks and four oxidation rotors. EPA observed excessive foam of two kinds in the oxidation tank. EPA observed thin, white to grey foam in the inner tank and pumice-like grey foam in the outer tank. According to the operator, sludge from the oxidation tank is sent to the aerobic digesters based on the look of the waste in the oxidation tank. The operator also stated that the oxidation tank receives sludge from the two clarifiers every two hours.

Photos

1. RIMG2875.JPG
2. RIMG2877.JPG
3. RIMG2876.JPG
4. RIMG2878.JPG
5. RIMG2879.JPG

Location: Clarifiers

Observation #: AH2-OB-003	**Date:** 11/08/2022	**Weather:** Sunny and 45°F

EPA observed a dark grey and light brown water in the clarifiers with some solids floating in them. The operator stated that sludge from the clarifiers is pumped to the oxidation tank every two hours and once per month or, once every two weeks to the aerobic digesters. EPA observed accumulated sludge at the splitter box that splits flow from the oxidation tank to the two clarifiers. The operator stated that he scoops the sludge out manually using a bucket.

Photos

1. RIMG2880.JPG
2. RIMG2881.JPG
3. RIMG2882.JPG
4. RIMG2883.JPG
5. RIMG2885.JPG
6. RIMG2884.JPG

Location: Post-aeration tank and UV channel

Observation #: AH2-OB-004	**Date:** 11/08/2022	**Weather:** Sunny and 45°F

The post aeration tank and the UV disinfection were not operating at the time of the inspection. EPA observed the flowmeter in the final tank and the flowmeter panel with a calibration tag on it. The calibration tag showed the date of last calibration as October 6, 2022. EPA observed the effluent autosampler with a thermometer in it that showed 4°C. EPA observed the water in the final tank and it looked clear. The operator stated that the 24-hour composite sampling is done Tuesday to Wednesday and Thursday to Friday for samples required to be taken twice per week for both influent and effluent.

Photos

1. RIMG2889.JPG
2. RIMG2886.JPG
3. RIMG2888.JPG
4. RIMG2887.JPG

Location: Aerobic digesters

Observation #: AH2-OB-005	**Date:** 11/08/2022	**Weather:** Sunny and 45°F

EPA observed the two aerobic digesters. The aerobic digesters had a layer of green algae covering approximately 80% and 50% of the surface area, respectively. The operator stated that the blowers for the aerobic digesters, normally operate 24 hours a day, 7 days a week. However, the blowers were not operating at the time of the inspection. The operator stated that that was due to decanting going on at that time.

Photos

1. RIMG2890.JPG
2. RIMG2891.JPG
3. RIMG2892.JPG

Location: Outfall 001		
Observation #: AH2-OB-006	**Date:** 11/08/2022	**Weather:** Sunny and 45°F
EPA observed outfall 001 and the outfall signage. The outfall signage was facing Long Run.		
Photos 1. RIMG2893.JPG 2. RIMG2894.JPG		

SECTION III – RECORDS REVIEW

Records may not be in sequential order.

Record: DMR Reports		**AOC:** Yes
Ref #: AH2-RR-003	**Reviewed By:** Andi Hodaj	**Reviewed Date:** 01/03/2023
EPA reviewed self-reported Discharge Monthly Reports for the Minford Area WWTP and found 46 effluent limit exceedances for the period January 2019 to December 2022. The effluent limit violations were for outfall 001 and included the following pollutants: TSS, Ammonia, BOD5 and E.coli. Forty-one out of the 46 of the effluent limit exceedances were for ammonia.		
Record: Other - Operator's logbook		**AOC:** No
Ref #: AH2-RR-002	**Reviewed By:** Andi Hodaj	**Reviewed Date:** 11/08/2022
EPA observed the operator's logbook with recorded staffing hours.		
Record: Personnel Training		**AOC:** No
Ref #: AH2-RR-001	**Reviewed By:** Andi Hodaj	**Reviewed Date:** 11/08/2022
EPA observed the Class II Operator of Record Certificate issued on May 5, 2021, to Jeff Cox.		

SECTION IV – SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

No sampling was conducted.

SECTION V - AREAS OF CONCERN

Areas of Concern may not be in sequential order.

The presentation of areas of concern does not constitute a formal compliance determination or violation.

AOC Reference #: AH2-OB-001	**Location: Headworks**
Regulation and/or Permit Requirement	
Regulation: 40 CFR Part 136 Table II: Required Containers, Preservation Techniques, and Holding Times, footnote 18: “Aqueous samples must be preserved at ≤6 °C.”; and NPDES Permit Part I, B. - Influent Monitoring Requirements, state that the influent wastewater shall be sampled twice per week by a 24-hour composite sampling.	

AOC:

EPA did not observe a thermometer in the autosampler and the autosampler lacked power at the time of the inspection.

AOC Reference #: AH2-OB-002	Location: Oxidation tank

Regulation and/or Permit Requirement

NPDES Permit OH0140163 Parts II.E states, "The permittee shall maintain in good working order and operate as efficiently as possible the "treatment works" and "sewerage system" as defined in ORC 6111.01 to achieve compliance with the terms and conditions of this permit and to prevent discharges to the waters of the state, surface of the ground, basements, homes, buildings, etc." Part III.3 also states "All wastewater treatment works shall be operated in a manner consistent with the following:
A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit…"

AOC:

EPA observed two kinds of excessive foam in the oxidation tank. EPA observed thin, white to grey foam in the inner tank and pumice-like grey foam in the outer tank. Photos RIMG2876.JPG, RIMG2877.JPG, RIMG2878.JPG and RIMG2879.JPG.

AOC Reference #: AH2-OB-003	Location: Clarifiers

Regulation and/or Permit Requirement

NPDES Permit OH0140163 Parts II.E states, "The permittee shall maintain in good working order and operate as efficiently as possible the "treatment works" and "sewerage system" as defined in ORC 6111.01 to achieve compliance with the terms and conditions of this permit and to prevent discharges to the waters of the state, surface of the ground, basements, homes, buildings, etc." Part III.3 also states "All wastewater treatment works shall be operated in a manner consistent with the following:
A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit…"

AOC:

EPA observed a dark grey and light brown water in the clarifiers with some solids floating in them

AOC Reference #: AH2-OB-004	Location: Post-aeration tank and UV channel

Regulation and/or Permit Requirement

NPDES Permit OH0140163 Parts II.E states, “The permittee shall maintain in good working order and operate as efficiently as possible the "treatment works" and "sewerage system" as defined in ORC 6111.01 to achieve compliance with the terms and conditions of this permit and to prevent discharges to the waters of the state, surface of the ground, basements, homes, buildings, etc.” Part III.3 also states “All wastewater treatment works shall be operated in a manner consistent with the following:
A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit…”

AOC:

The post aeration tank was not operating at the time of the inspection.

AOC Reference #: AH2-OB-005	**Location: Aerobic digesters**

Regulation and/or Permit Requirement

NPDES Permit OH0140163 Parts II.E states, “The permittee shall maintain in good working order and operate as efficiently as possible the "treatment works" and "sewerage system" as defined in ORC 6111.01 to achieve compliance with the terms and conditions of this permit and to prevent discharges to the waters of the state, surface of the ground, basements, homes, buildings, etc.” Part III.3 also states “All wastewater treatment works shall be operated in a manner consistent with the following:
A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit…”

AOC:

The aerobic digesters had a layer of green algae covering approximately 80% and 50% of the surface area, respectively. The operator stated that the blowers for the aerobic digesters, normally operate twenty-four hours, seven days a week. However, the blowers were not operating at the time of the inspection. The operator stated that that was due to decanting going on at that time.

Additional Notes:

AOC Reference #: AH2-RR-003	**Records Review: DMR Reports**

Regulation and/or Permit Requirement

NPDES Permit OH0140163 Part IA identifies the permit limitations and monitoring requirements for Outfall 001.

AOC:

EPA reviewed self-reported Discharge Monthly Reports for the Minford Area WWTP and found 46 effluent limit exceedances for the period January 2019 - December 2022. The effluent limit violations were for outfall 001 and included the following pollutants: TSS, Ammonia, BOD5 and E.coli. Fourty-one out of the 46 of the effluent limit exceedances were for ammonia

SECTION VI – CLOSING CONFERENCE AND FOLLOW UP

Closing Conference

The EPA Region 5 Lead Inspector held a closing conference with Facility personnel at 10:35 AM (ET) on 11/08/2022 for the inspection. During the closing conference, EPA Region 5 Lead Inspector discussed the observations and Areas of Concern identified during the inspection. Observations and Areas of Concern have not yet been evaluated for a formal compliance determination.

During the closing conference, EPA discussed the following observations with the facility representatives:

- The influent autosampler was not operational and there was no thermometer inside;
- The oxidation tank had a lot of foam and scum floating in it;
- Water in the clarifier was of a dark grey color and there were solids floating in it;
- The spiral screen at the headworks could use some cleaning and maintenance; and
- Post-aeration tank was not in operation.

EPA requested to review the following records:

- SSO Annual Report for year 2021;
- Chain of Custody forms and lab reports for the last three months (this should include lab reports from both your the Wheelersburg WWTP lab and Masi);
- Sludge hauling records (sludge invoices) for the last 3 years; and
- Last 3 months of DMR data.

Facility representatives stated that these records are not kept on site but rather at the Wheelersburg WWTP's lab.

Follow Up

The following items were requested by the inspector at the time of the inspection.

Location:	Area:	Sub-area:
AH2-CC-NT		

EPA requested to review the following records:

- SSO Annual Report for year 2021;
- Chain of Custody forms and lab reports for the last three months (this should include lab reports from both your the Wheelersburg WWTP lab and Masi);
- Sludge hauling records (sludge invoices) for the last 3 years; and
- Last 3 months of DMR data.

Facility representatives stated that these records are not kept on site but rather at the Wheelersburg WWTP's lab.

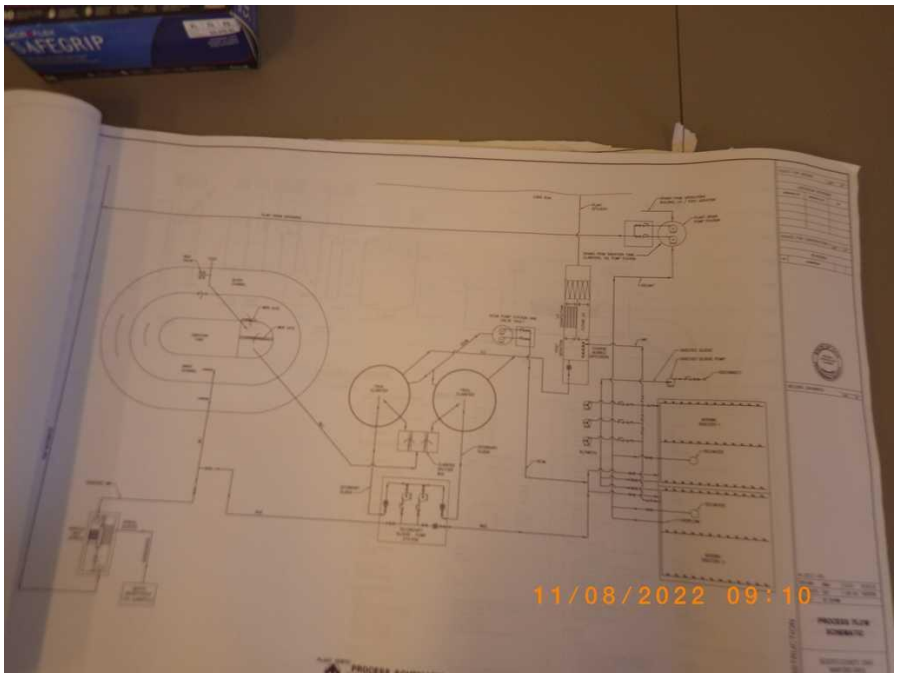
Communication Log

EPA Region 5 received documents via several emails from Mr. Ryan Smith on 12/09/2022.

SECTION VII – LIST OF APPENDICES

1. Photo Log
2. List of Effluent Limit Exceedances

APPENDIX 1: PHOTO LOG



Process flow diagram	RIMG2870.JPG	
11/08/2022 09:10 AM	Photographer: Andi Hodaj	
Office at the Minford Area WWTP	No CBI	No PII
Process Flow Diagram		

Control panel	RIMG2890.JPG	
11/08/2022 10:10 AM	Photographer: Andi Hodaj	
Aerobic digesters	No CBI	No PII
Control panel for one of the blowers at the aerobic digesters. Camera looking east.		

North digester	RIMG2891.JPG	
11/08/2022 10:17 AM	Photographer: Andi Hodaj	
Aerobic digesters	No CBI	No PII
North aerobic digester has its surface covered in green algae. Camera looking north.		

South digester	RIMG2892.JPG	
11/08/2022 10:17 AM	Photographer: Andi Hodaj	
Aerobic digesters	No CBI	No PII
The south aerobic digester has approximately 50% of its surface area covered in green algae. Camera looking south.		

Clarifier Overview	RIMG2880.JPG	
11/08/2022 09:47 AM	Photographer: Andi Hodaj	
Clarifiers	No CBI	No PII
Overview of clarifier from the ground leve. Camera looking northeast.		

West Clarifier	RIMG2881.JPG	
11/08/2022 09:55 AM	Photographer: Andi Hodaj	
Clarifiers	No CBI	No PII
Grey water in the west clarifier. Camera looking west.		

East Clarifier	RIMG2882.JPG	
11/08/2022 09:55 AM	Photographer: Andi Hodaj	
Clarifiers	No CBI	No PII
Grey water and solids floating in the east clarifier. Camera looking northeast.		

East Clarifier	RIMG2883.JPG	
11/08/2022 09:57 AM	Photographer: Andi Hodaj	
Clarifiers	No CBI	No PII
Grey water and solids floating in the east clarifier. Camera looking south.		

Final Tank and Aerobic Digesters	RIMG2885.JPG	
11/08/2022 10:00 AM	Photographer: Andi Hodaj	
Clarifiers	No CBI	No PII
View of the final tank, post aeration tank, UV channel and the aerobic digesters from the top of the clarifiers. Camera looking east.		

Splitter box	RIMG2884.JPG	
11/08/2022 09:59 AM	Photographer: Andi Hodaj	
Clarifiers	No CBI	No PII
Scum accumulated in the splitter box. Camera facing east.		

Spiral Screen	RIMG2871.JPG	
11/08/2022 09:32 AM	Photographer: Andi Hodaj	
Headworks	No CBI	No PII
Spiral screen at Headworks. Camera looking north.		

Headworks Overview	RIMG2872.JPG	
11/08/2022 09:36 AM	Photographer: Andi Hodaj	
Headworks	No CBI	No PII
General overview of Headworks with autosampler, spiral screen and the spiral screen control panel. Camera facing east.		

Spiral Screen Control Panel	RIMG2873.JPG	
11/08/2022 09:37 AM	Photographer: Andi Hodaj	
Headworks	No CBI	No PII
Control panel for the spiral screen. Camera facing east.		

Headworks Overview	RIMG2874.JPG	
11/08/2022 09:39 AM	Photographer: Andi Hodaj	
Headworks	No CBI	No PII
Overview of Headworks from ground level. Camera looking west.		

Outfall Signage	RIMG2893.JPG	
11/08/2022 10:43 AM	Photographer: Andi Hodaj	
Outfall 001	No CBI	No PII
Outfall 001 signage facing Long Run. Camera looking southwest.		

Outfall 001	RIMG2894.JPG	
11/08/2022 10:44 AM	Photographer: Andi Hodaj	
Outfall 001	No CBI	No PII
Outfall 001 discharging into Long Run. Camera looking southwest.		

Oxidation Tank Overview	RIMG2875.JPG	
11/08/2022 09:40 AM	Photographer: Andi Hodaj	
Oxidation tank	No CBI	No PII
Overview of oxidation tank from ground level. Camera looking north.		

Oxidation Tank influent pipes	RIMG2877.JPG	
11/08/2022 09:43 AM	Photographer: Andi Hodaj	
Oxidation tank	No CBI	No PII
Two influent pipes into the oxidation tank. Camera looking south.		

Scum in Oxidation Tank	RIMG2876.JPG	
11/08/2022 09:44 AM	Photographer: Andi Hodaj	
Oxidation tank	No CBI	No PII
Foam floating int he oxidation tank. Camera looking east.		

Replaced Rotor	RIMG2878.JPG	
11/08/2022 09:46 AM	Photographer: Danny Nguyen	
Oxidation tank	No CBI	No PII
Recently replaced rotor in oxidation tank. Camera looking south.		

Oxidation Tank Overview	RIMG2879.JPG	
11/08/2022 09:47 AM	Photographer: Andi Hodaj	
Oxidation tank	No CBI	No PII
Foam floating in the oxidation tank. Camera looking east.		

Autosampler	RIMG2889.JPG	
11/08/2022 10:07 AM	Photographer: Andi Hodaj	
Post-aeration tank and UV channel	No CBI	No PII
Effluent autosampler. Camera looking east.		

Flow Meter datalogger	RIMG2886.JPG	
11/08/2022 10:07 AM	Photographer: Andi Hodaj	
Post-aeration tank and UV channel	No CBI	No PII
Flow meter datalogger and the calibration tag on it. Camera looking east.		

Post Aeration and UV	RIMG2888.JPG	
11/08/2022 10:10 AM	Photographer: Andi Hodaj	
Post-aeration tank and UV channel	No CBI	No PII
Overview of post aeration, UV disinfection and final tank. Camera looking north.		

Flow sensor	RIMG2887.JPG	
11/08/2022 10:09 AM	Photographer: Andi Hodaj	
Post-aeration tank and UV channel	No CBI	No PII
Flow meter sensor in the final tank.		

APPENDIX 2: List of Effluent Limit Exceedances

Effluent Limit Exceedances Report

OH0140163: MINFORD AREA WWTP, MINFORD, OH 45653

Monitoring Period Date Range: 01/01/2019 to 12/31/2022

Exceedance Details

Monitoring Period Date	Outfall	Parameter Description	Limit Type	DMR Value	DMR Value Unit	Limit Value	Limit Value Unit	% Exceedance
5/31/2019	1	Nitrogen, ammonia total (as N)	MO AVG	2.6	kg/d	1.4	kg/d	86
5/31/2019	1	Nitrogen, ammonia total (as N)	WKLY MAX	5.5	mg/L	1.5	mg/L	267
5/31/2019	1	Nitrogen, ammonia total (as N)	WKLY MAX	4	kg/d	2.1	kg/d	90
5/31/2019	1	Nitrogen, ammonia total (as N)	MO AVG	3.9	mg/L	1	mg/L	290
5/31/2019	1	E. coli, MTEC-MF	WK GEOM N	387	MPN/100mL	362	MPN/100mL	7
6/30/2019	1	Nitrogen, ammonia total (as N)	WKLY MAX	1.8	mg/L	1.5	mg/L	20
6/30/2019	1	Nitrogen, ammonia total (as N)	WKLY MAX	3.5	kg/d	2.1	kg/d	67
5/31/2020	1	Nitrogen, ammonia total (as N)	WKLY MAX	3	kg/d	2.1	kg/d	43
5/31/2020	1	Nitrogen, ammonia total (as N)	WKLY MAX	3.4	mg/L	1.5	mg/L	127
5/31/2020	1	Nitrogen, ammonia total (as N)	MO AVG	1.1	mg/L	1	mg/L	10
10/31/2020	1	Nitrogen, ammonia total (as N)	WKLY MAX	4.7	kg/d	2.1	kg/d	124
10/31/2020	1	Nitrogen, ammonia total (as N)	MO AVG	3.5	kg/d	1.4	kg/d	150
10/31/2020	1	Nitrogen, ammonia total (as N)	WKLY MAX	3.9	mg/L	1.5	mg/L	160

10/31/2020	1	Nitrogen, ammonia total (as N)	MO AVG	3	mg/L	1	mg/L	200
3/31/2021	1	Nitrogen, ammonia total (as N)	MO AVG	9.6	kg/d	4.3	kg/d	123
3/31/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	17	kg/d	6.4	kg/d	166
3/31/2021	1	BOD, carbonaceous, 05 day, 20 C	WKLY MAX	29	kg/d	21.3	kg/d	36
5/31/2021	1	Nitrogen, ammonia total (as N)	MO AVG	3.1	kg/d	1.4	kg/d	121
5/31/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	8.4	kg/d	2.1	kg/d	300
5/31/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	10	mg/L	1.5	mg/L	567
5/31/2021	1	Nitrogen, ammonia total (as N)	MO AVG	3.8	mg/L	1	mg/L	280
7/31/2021	1	Nitrogen, ammonia total (as N)	MO AVG	2.1	mg/L	1	mg/L	110
7/31/2021	1	Nitrogen, ammonia total (as N)	MO AVG	5.7	kg/d	1.4	kg/d	307
7/31/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	16	kg/d	2.1	kg/d	662
7/31/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	3.5	mg/L	1.5	mg/L	133
8/31/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	3.4	kg/d	2.1	kg/d	62
9/30/2021	1	Nitrogen, ammonia total (as N)	MO AVG	1.8	mg/L	1	mg/L	80
9/30/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	3.7	mg/L	1.5	mg/L	147
9/30/2021	1	Nitrogen, ammonia total (as N)	MO AVG	2.7	kg/d	1.4	kg/d	93

9/30/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	4.7	kg/d	2.1	kg/d	124
11/30/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	7.5	kg/d	6.4	kg/d	17
11/30/2021	1	Nitrogen, ammonia total (as N)	WKLY MAX	4.8	mg/L	4.5	mg/L	7
1/31/2022	1	Solids, total suspended	WKLY MAX	32	kg/d	25.6	kg/d	25
1/31/2022	1	Nitrogen, ammonia total (as N)	WKLY MAX	9	kg/d	6.4	kg/d	41
1/31/2022	1	BOD, carbonaceous, 05 day, 20 C	WKLY MAX	37	kg/d	21.3	kg/d	74
1/31/2022	1	BOD, carbonaceous, 05 day, 20 C	MO AVG	20	kg/d	14.2	kg/d	41
4/30/2022	1	Nitrogen, ammonia total (as N)	WKLY MAX	6.1	mg/L	4.5	mg/L	36
4/30/2022	1	Nitrogen, ammonia total (as N)	MO AVG	3.1	mg/L	3	mg/L	3
5/31/2022	1	Nitrogen, ammonia total (as N)	WKLY MAX	2.5	mg/L	1.5	mg/L	67
5/31/2022	1	Nitrogen, ammonia total (as N)	MO AVG	1.5	mg/L	1	mg/L	50
6/30/2022	1	Nitrogen, ammonia total (as N)	WKLY MAX	3.6	mg/L	1.5	mg/L	140
6/30/2022	1	Nitrogen, ammonia total (as N)	MO AVG	2.3	mg/L	1	mg/L	130
6/30/2022	1	Nitrogen, ammonia total (as N)	WKLY MAX	2.7	kg/d	2.1	kg/d	29
6/30/2022	1	Nitrogen, ammonia total (as N)	MO AVG	1.8	kg/d	1.4	kg/d	29
7/31/2022	1	Nitrogen, ammonia total (as N)	WKLY MAX	1.9	mg/L	1.5	mg/L	27

7/31/2022	1	Nitrogen, ammonia total (as N)	MO AVG	1.2	mg/L	1	mg/L	20