



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

DATE: *May 19, 2025*

SUBJECT: CLEAN WATER ACT INSPECTION REPORT
Suburban Acres Mobile Home Park, Warsaw, Indiana

FROM: Jonathan Moody, Environmental Engineer
WECAB, Multimedia Section

THRU: Brooke Furio, Section Chief
WECAB, Multimedia Section

BASIC INFORMATION

Facility Name: Suburban Acres Mobile Home Park

Facility Type: *Privately owned sewerage treatment system*

NPDES Permit Number: *IN0025208*

Date(s) of Inspection: April 2, 2025

EPA Inspector(s):

1. Jonathan Moody
2. Megan Zale
3. Jennifer Bush

Attendees:

Name	Title	Organization	Email	Phone
Jonathan Moody	Lead Inspector	U.S. EPA	moody.jonathan@epa.gov	440-250-1708
Megan Zale	Inspector	U.S. EPA	zale.megan@epa.gov	440-250-1711
Jennifer Bush	Inspector	U.S. EPA	Bush.jennifer@epa.gov	312-886-0879
Harley Asher	Operator in Charge	Services by Stouder	Livefree.asher@gmail.com	260-388-7770
Ed Nix	Daily Operator	Services by Stouder	-	260-402-3751
Justin Stouder (not present for the field portion)	Former Operator	Services by Stouder	servicesbystouder@live.com	-

Contact Email Address:

infrastructure@rentstackhouse.com

Kellen Buss, kbuss@rentstackhouse.com

Owner Contact	Operator Contact	Physical Facility Address
Kellen Buss 2310 S. Miami Boulevard Suite 238 Durham, NC 27703 kbuss@rentstackhouse.com	Harley Asher 260-388-7770 Livefree.asher@gmail.com	Suburban Acres Mobile Home Park 3699 N 175 E Warsaw, IN 46582

Inspection Type: Compliance Evaluation Inspection without sampling, with field monitoring.

Facility Notification:

- ☐ Unannounced Inspection
☒ Announced Inspection

Arrival Date and Time: 4/2/2025, 8:00 AM

Departure Date and Time: 4/2/2025, 11:30 AM

Closing Conference Phone Call: 4/14/2025 1:00 PM

OPENING CONFERENCE

- ☒ Presented Credentials
- ☒ Stated authority and purpose of inspection
- ☐ Provided Small Business Resource Information Sheet
- ☒ Small Business Resource Information Sheet not provided. Reason: uncertain if the current version of the factsheet complies with recent Executive Orders.
- ☒ Provided CBI notification to facility

The following information was obtained verbally from Harley Asher and Ed Nix unless otherwise noted.

Background:

The Suburban Acres property is a Manufactured Home Community (MHC) operated by Jones Estates, LLC. Per the Indiana Department of Environmental Management (IDEM) Drinking Water Viewer, the property has an estimated population of 190 persons. Since January 2020 the facility has had exceedances for total suspended solids (TSS), total ammonia, E. coli, carbonaceous biological oxygen demand (CBOD), and total chlorine residual. A list of effluent exceedances is included in Appendix D.

Process Description:

The treatment facility is an extended aeration system with a fixed screen, two aeration basins in parallel, a polishing pond and a free chlorine/dechlorination disinfection system. This report does not contain Confidential Business Information (CBI).

Staff Interview(s):

Harley Asher is the certified operator in charge of the facility, while Ed Nix is responsible for maintenance and performs onsite operations and monitoring when Harley is not present.

According to Harley Asher and Ed Nix, daily operations, sampling, and recording are conducted by Ed Nix, who is onsite daily. Ed also collects compliance samples. Harley Asher completes the Discharge Monitoring Reports (DMRs). Harley Asher began as the operator in charge at the site towards the end of 2023. Before Harley Asher, Justin Stouder served as the operator in charge from July or August 2023 until the transition.

Ed Nix said he records the electrical runtime gage for the lift station south of N 175 E, and the total flow volume from the flow meter. The volume recorded by Ed Nix is the daily totalizer volume from the Siemens LUT 430 readout. This value is reset each day.

Justin Stouder, owner of Services by Stouder, was not present for the field portion of the inspection, but did participated in the closing conference phone call and provided additional information about the June through November 2023 period when the DMRs reported no

discharge. He explained that the discharge pump from the polishing pond had been turned off due to the high ammonia levels, and efforts were being made to bring the water into compliance. There was an approximate two-week period during which the effluent pumps were replaced. Justin confirmed that there was no discharge from the effluent pumps during the June through November 2023 time period. This included no discharges in September 2023 despite the reported values on the September 2023 DMR, which Justin Stouder said were a discrepancy.

The EPA asked whether any alternative means of wastewater disposal had been used from June to November 2023, or if there were any overflows from the polishing pond. Justin Stouder stated that no alternative disposal methods were used, and there was no indication of wastewater loss from the polishing pond. He also mentioned that he was unaware of any infiltration or integrity tests performed on the polishing pond.

FACILITY WALK-THROUGH OCCURRED:

Yes

Data Collected and Observations:

There are two lift stations for the sewer collections system. One lift station is located south of N 175 E. A daily log of the electrical runtime gauge is kept at the lift station south of N 175 E. The second is located at the headworks for the sewer treatment plant. A record of the runtime gauge is not kept for the lift station located at the headworks of the sewer treatment plant.

The plant has two aeration basins, east and west. At the time of the inspection the east basin had brown foam on the surface (Photos 5, 25, and 26). The clarifier on the east basin had scum accumulating on the surface (photos 6, 7, and 8).

The west aeration basin clarifier had flocs flowing up toward the surface and over the weir (Photos 10, 11, 13, 14 and videos 12, 15, and 16). The splitter box at the headworks was prioritizing flows to the east aeration basin, and away from the west basin (Photo 40).

The outlets from the aeration basins join upstream of the flow measuring weir shown in photos 17 through 21). At the time of the inspection, the water at the outlet from flow measurement device was discolored and cloudy as shown in Photo 29. The turbidity of the water was approximately 446 NTU. The ultrasonic device, used for flow measurements, was located above a side chamber adjacent to the chamber with the weir. There was floating material in the side chamber (photo 27).

At the time of the inspection, the readout from the flow meter was showing 11.2 gal/min.

Water from the flow measurement device went into a polishing pond. The south end of the polishing pond was filled with a black solid material as shown in Photos 30 and 31. There was

algae near the north end of the pond as shown in Photo 36. An electrical pole and tree stumps were located on the inside of the embankment forming the pond (Photos 36 and 37).

Water from the polishing pond overflows by gravity through a chlorinator using free chlorine tablets. The water continues into a lift station which pumps the final discharge to the receiving stream, Tippecanoe River. A bisulfite based liquid dechlorination chemical is added to the lift station with the final discharge pump. Compliance samples are collected from a yard tap located downstream of the effluent. A record of the electrical runtime gage is not maintained.

Photos and/or Videos: were taken during the inspection.
A log of the photos is included in Appendix B.

Field Measurements: were taken during this inspection.
Field measurements are documented in Appendix C.

RECORDS REVIEW

List of Records Reviewed Onsite:

DSCN2385.JPG – November 2024 Daily Log Sheet
DSCN2386.JPG - Daily total flows March 2025
DSCN2387.JPG – DSCN2393.JPG - November 7, 2024 Through March 31, 2025 log book entries
DSCN2394.JPG – DSCN2401.JPG - August 2023 to January 2024 log book for daily totals
DSCN2402.JPG – Inspection Sign In Sheet
DSCN2403.JPG – Certificate of Calibration for flow meter, June 1, 2023 (2024 certificate kept with readout for the flow meter)
DSCN2404.JPG - DSCN2445.JPG – DMRs, Daily Log Sheets and Lab Reports for June 2023 through November 2023.

A review of the Chain of Custody for the July and August 2024 showed that the facility has begun using ice with samples sent to the contract lab.

Requested documents:

- Copies of Monthly Operating Reports (MORs), lab reports with results and operator notes for the period January 2023 through December 2024.
- Additional measurements, photos or laboratory reports for additional monitoring conducted on the polishing pond during the June to November 2023 period when the facility was not discharging.
- Reports and/or photos of the condition of the pond after the most recent dredging. Date of the most recent dredge of the polishing pond.

Documents Received From Facility:

- Copies of Monthly Operating Reports (MORs), lab reports with results and operator notes for the period January 2023 through December 2024.

In the document "Suburban Acres June 2023.pdf" provided in an email from Harley Asher on April 23, 2025 to Jonathan Moody, there is a printout from the Siemens LUT400 flow monitoring data logger. The Totalizer value (RT or Running Total) for June 1, 2023 is 62,257,800 gallons. In the document "Suburban Acres December 2023 Scan 1.pdf", also provided in an email from Harley Asher on April 23, 2025, there are photos of daily logsheets with the totalizer volume for December 25, 2023 as 65,233,200 gallons. This is a total volume of 2,975,400 gallons (or 9.1 acre-feet) over 206 days, which is approximately 14,400 gallons per day.

The approximate area of the polishing pond is 11,400 sf, which is less than 0.3 acres. See the map included in Appendix A.

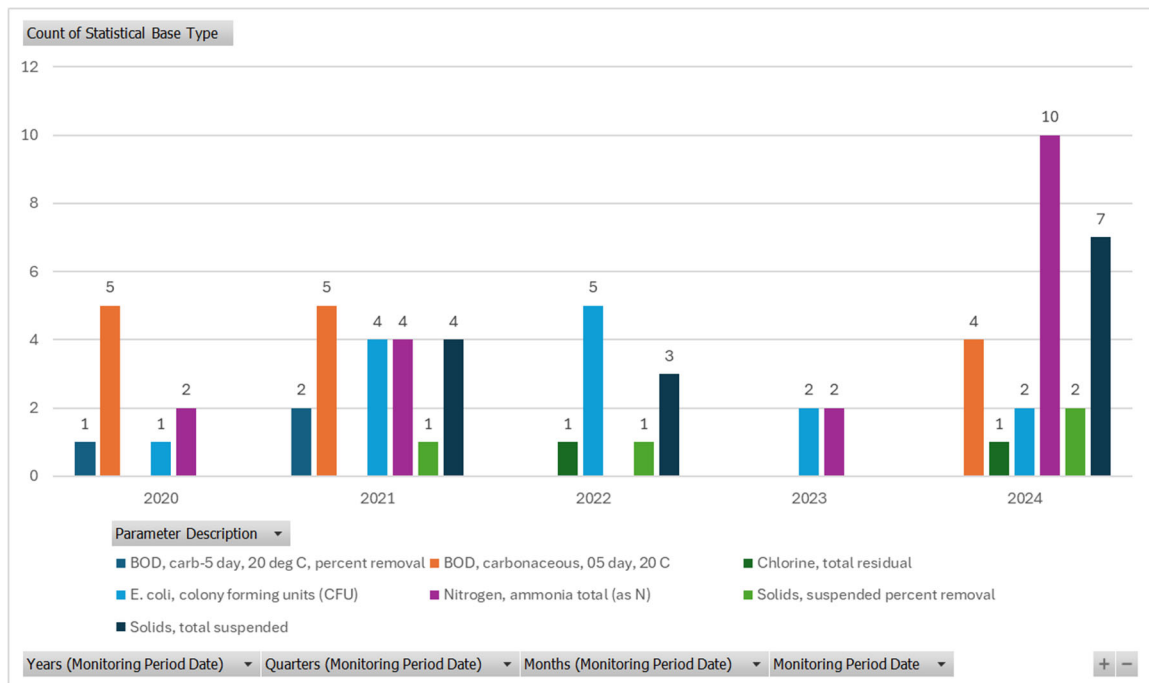
CLOSING CONFERENCE

- ☒ Provided U.S. EPA point of contact to the facility.
- ☒ Explained Inspection Report Process
- ☒ Confirm CBI status at end of closing conference. No CBI claimed.
- ☒ Discussed Preliminary Area(s) of Concern

Areas of Concern:

1. NPDES Permit No. IN0025208 Part I A.1 Table 1 and Table 2: Effluent Limitations

Between January 1, 2020 and March 31, 2025 the facility has had 69 effluent exceedances. A chart of the effluent exceedances is included in Appendix D. The chart below provides a summary of the number and type of exceedances per year.



2. NPDES Permit No. IN0025208 Part II Standard Conditions for NPDES Permits, B. Management Requirements, 1. Facility Operations, Maintenance, and Quality Control

a. In accordance with 327 IAC 5-2-8(9), the permittee shall at all times maintain in good working order and efficient operate all facilities and systems (and related appurtenances, i.e., equipment used for measuring and determining compliance) for collection and treatment that are: (1) installed or used by the permittee; and (2) necessary for achieving compliance with the terms and conditions of the permit.

At the time of the inspection the system had the following conditions:

- The west aeration basin had brown foam on the surface (photos 5, 25 and 26),
- There was scum on the surface of the west aeration basin clarifier (photos 6, 7, and 8)
- The east aeration basin clarifier had flocs moving up toward the surface indicative of high flows or disruptions in the clarifier flow (Photo 14 and videos 15 and 16),
- The flocs in the east aeration basin were visible flowing over effluent weir (photos 10, 11, 14 and video 12),
- Excessive black solids material was present in the southern end of the polishing pond (photos 30 and 31),
- Excessive algae growth was present at the north end of the polishing pond (photo 36),
- An electrical pole and tree stumps were present on the inside edge of the berm surrounding the pond (photos 36 and 37).

3. NPDES Permit No. IN0025208 Part II Standard Conditions for NPDES Permits, B. Management Requirements, 1. Facility Operations, Maintenance, and Quality Control
d. Maintenance of all waste collection, control, treatment, and disposal facilities shall be conducted in a manner that complies with the bypass provisions set forth below.
And
Part II, B. 2. Bypass of Treatment Facilities, Pursuant to 327 IAC 5-2-8(12): a. Terms as defined in 327 IAC 5-2-8(12)(A): (1) "Bypass" means the intentional diversion of a waste stream from any portion of the treatment facility.

The DMRs for June 2023 through December 2023 report no discharge. Justin Stouder confirmed that the flow measurement on the September 2023 DMR was a discrepancy, and that there were no discharges from outfall 001 in September 2023. The flow monitoring device, located on the outlet from the mechanical plant, but upstream of the polishing pond recorded a total volume of 2,975,400 gallons (or 9.1 acre-feet) during the June 1, 2023 through December 25, 2023 period. Justin Stouder confirmed during the closing conference that no water was discharged from Outfall 001, nor were there known transfers or overflows from the polishing pond during this time period.

The approximate area of the polishing pond is 11,400 sf, which is less than 0.3 acres. See the map included in Appendix A. The volume of wastewater generated between June and December 2023 would result more than 20 feet of elevation change in the polishing pond. At the time of the inspection the polishing pond did not have sufficient free board to stored more than 9 acre-feet of wastewater. Since the disinfection system is located directly upstream and inside the effluent pump station, any wastewater leaving the polishing pond through means other than the effluent pump would not have received full treatment.

DIGITAL SIGNATURES

Report Author: Jonathan Moody, PE, Environmental Engineer

Report Author Signature: JONATHAN MOODY Digitally signed by JONATHAN MOODY
Date: 2025.05.19 16:01:01 -04'00'

Section Supervisor: Brooke Furio, Multimedia Section Chief

Section Supervisor Signature: BROOKE FURIO Digitally signed by BROOKE FURIO
Date: 2025.05.19 16:11:12 -04'00'

Facility Name: Suburban Acres Mobile Home Park

Facility Location: 3699 N 175 E, Warsaw, IN 46582

Date of Inspection: April 2, 2025

APPENDICES

- A) Aerial Photo and estimate of the Polishing Pond Surface Area
- B) Digital Image Log
- C) Field Measurement Data
- D) Table of Effluent Exceedances

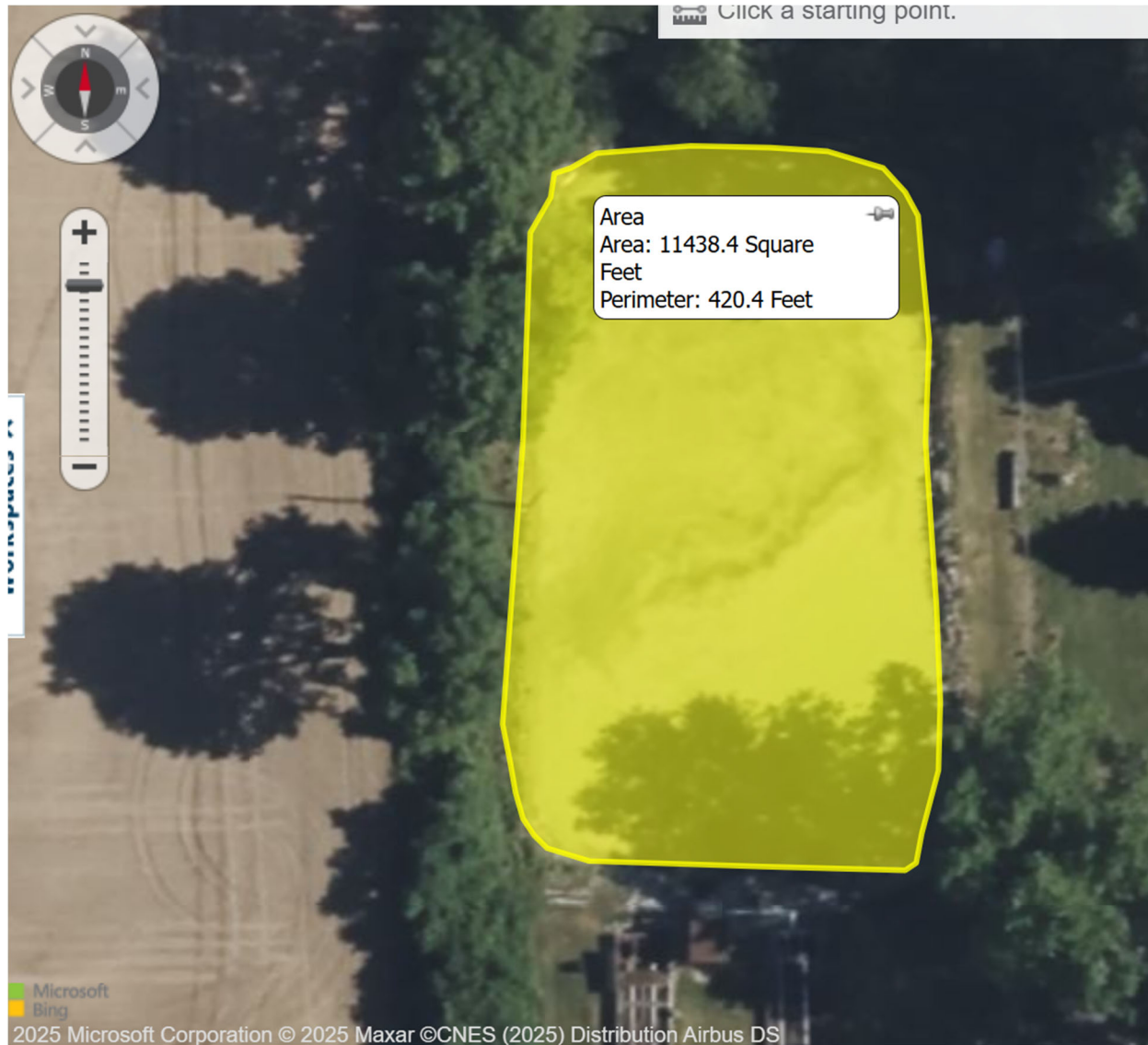
Facility Name: Suburban Acres Mobile Home Park
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APPENDIX A: AERIAL AND ESTIMATE OF POLISHING POND AREA



map: Auto (Oblique) ▾ Dates: All ▾ < image 7 of 45 > 03/30/2023

Facility Name: Suburban Acres Mobile Home Park
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APPENDIX B: DIGITAL IMAGE LOG

Photolog for Suburban Acres Mobie Home Park
Warsaw, Indiana
Camera: Nikon Coolpix W300, S/N: 31034420

Photos DSCN2385.jpg through DSCN2445.JPG are photos of daily records and laboratory reports for the period June 2024 through November 2024



1: DSCN2446.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:07 AM
Camera Direction: South

Description: Control panel for the lift station located south of N 175 E.



2: DSCN2447.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:13 AM
Camera Direction: East

Description: Control station for the lift station at the headworks of the sewage treatment system. The station had an alarm and two pumps which were both set to 'Auto'.



3: DSCN2448.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:15 AM
Camera Direction: Northeast

Description: Bar screen and flow splitter at the sewage treatment system. The screen is manually cleaned and the scrapings from the screen are disposed of in a garbage can.

Facility Name: Suburban Acres Mobile Home Park
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4: DSCN2449.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:17 AM
Camera Direction: North

Description: West aeration basin at the sewage treatment plant.

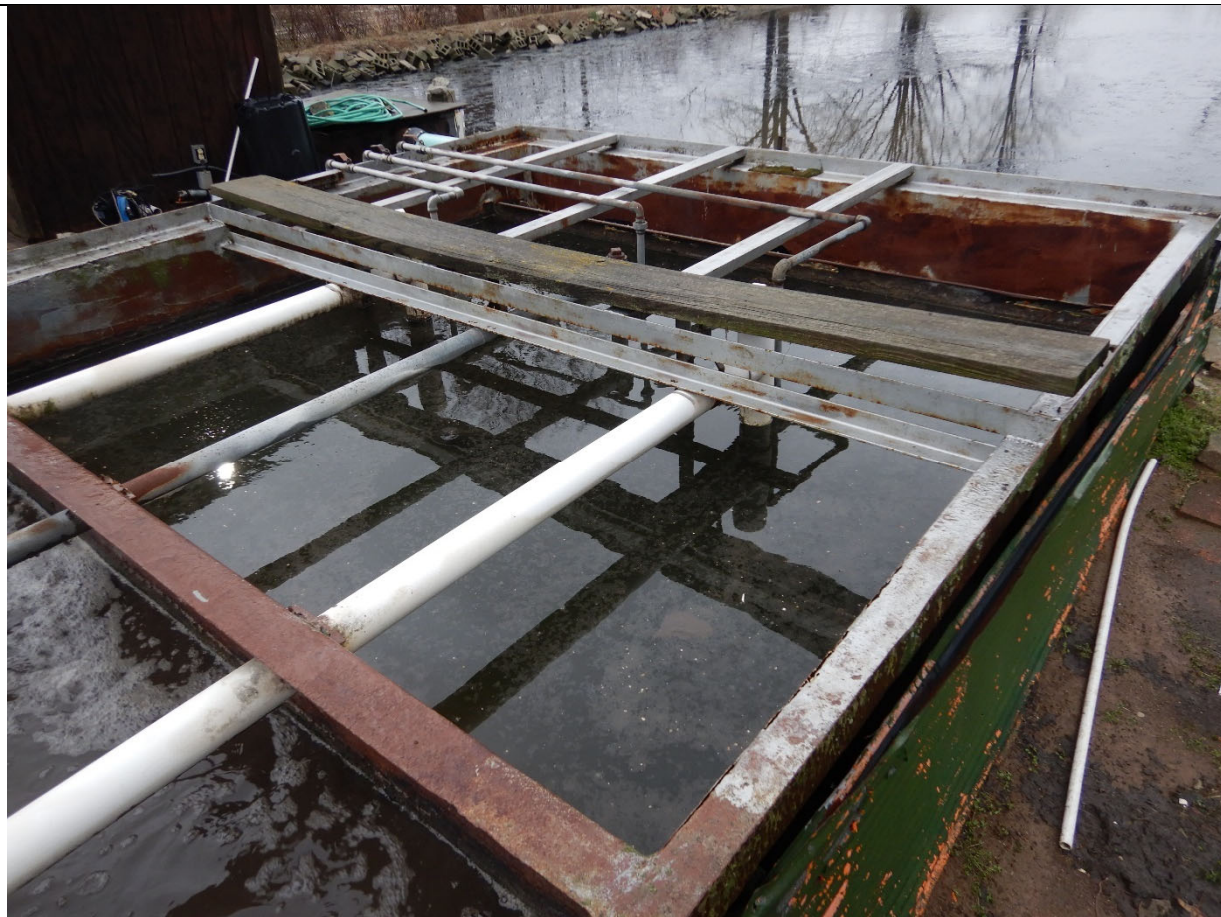


5: DSCN2450.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:17 AM
Camera Direction: North

Description: East aeration basin at the sewage treatment plant. Brown foam was on the surface of the aeration basin.

Facility Name: Suburban Acres Mobile Home Park
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Date of Inspection: April 2, 2025



6: DSCN2451.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:18 AM

Camera Direction: Northwest

Description: The east aeration basin, at the time of the inspection there was solid material floating on the surface of the clarifier.

Facility Name: Suburban Acres Mobile Home Park
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7: DSCN2452.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:18 AM

Camera Direction: Down

Description: The east aeration basin, at the time of the inspection there was solid material, scum, floating on the surface of the clarifier.

Facility Name: Suburban Acres Mobile Home Park
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Date of Inspection: April 2, 2025



8: DSCN2453.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:18 AM

Camera Direction: Down

Description: The east aeration basin, at the time of the inspection there was solid material floating on the surface of the clarifier.



9: DSCN2454.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:19 AM

Camera Direction: West

Description: At the west aeration basin looking at the west clarifier.

Facility Name: Suburban Acres Mobile Home Park
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10: DSCN2455.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:19 AM

Camera Direction: Down

Description: At the west clarifier, at the time of the inspection, flocs were visible near the surface, and were observed flowing over the weir and out the clarifier. The circle shows a location where the flocs were visible flowing over the weir.

Facility Name: Suburban Acres Mobile Home Park
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11: DSCN2456.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:19 AM

Camera Direction: Down

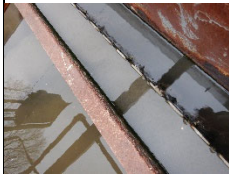
Description: At the west clarifier, at the time of the inspection, flocs were visible near the surface, and were observed flowing over the weir and out the clarifier. The circle shows a location where the flocs were visible flowing over the weir.



12: DSCN2457.MP4

Facility Name: Suburban Acres Mobile Home Park
Facility Location: 3699 N 175 E, Warsaw, IN 46582
Date of Inspection: April 2, 2025

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:22 AM
Camera Direction: Down
Description: 11 second video of the flocs passing over the weir.



13: DSCN2458.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:20 AM
Camera Direction: Down

Description: At the west clarifier, at the time of the inspection, flocs were visible near the surface and were observed flowing over the weir and out the clarifier. The circle shows a location where the flocs were visible flowing over the weir.

Facility Name: Suburban Acres Mobile Home Park
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Date of Inspection: April 2, 2025



14: DSCN2459.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:21 AM

Camera Direction: Down, South

Description: At the west clarifier, flocs were observed rising and swirling near the surface.



Facility Name: Suburban Acres Mobile Home Park
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15: DSCN2460.MP4

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:21 AM

Camera Direction: Down

Description: 9 second video of the west clarifier showing the flocs rising and swirling near the surface.



16: DSCN2461.MP4

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:24 AM

Camera Direction:

Description: 20 second video of the west clarifier showing the flocs rising and swirling near the surface.

Facility Name: Suburban Acres Mobile Home Park
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17: DSCN2462.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:24 AM
Camera Direction: Down

Description: At the flow measurement device, a v-notch weir, there was a transducer mounted in a concrete block.



18: DSCN2463.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:24 AM
Camera Direction: Down

Description: At the flow measurement device, a v-notch weir, there was a transducer mounted in a concrete block.



19: DSCN2464.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:25 AM
Camera Direction: Down

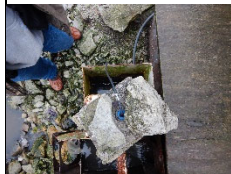
Description: At the flow measurement device, a v-notch weir, there was a transducer mounted in a concrete block.



20: DSCN2465.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:25 AM
Camera Direction: Down

Description: At the flow measurement device, during the inspection, the operator relocated the device from a side chamber to directly over the weir and then back to the side chamber. The operator said there were holes under the water line between the side chamber and the chamber with the weir.



21: DSCN2466.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:25 AM
Camera Direction: Down

Description: At the flow measurement device, during the inspection, the operator relocated the device from a side chamber to directly over the weir and then back to the side chamber. The operator said there were holes under the water line between the side chamber and the chamber with the weir.

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22: DSCN2467.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:26 AM
Camera Direction: Inside

Description: Readout on the flow measurement device, at the time of the photo, the device was showing 11.2 gal/min, 3.6 in head and a daily totalizer flow of 75.



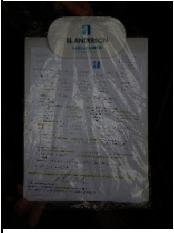
23: DSCN2468.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:27 AM
Camera Direction: Inside

Description: Readout on the flow measurement device, this was the totalizer screen. At the time of the photo, the device showed:

Flow: 78.499695 / 3.764883
Avg: 12.542150
DT: 18060.2
RT: 7.24237e+07
Temp: 13.200408 / -0.213137

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24: DSCN2469.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:28 AM

Camera Direction: Down

Description: Annual calibration report for the flow measurement device. Date of the calibration was May 16, 2024.



25: DSCN2470.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:36 AM

Camera Direction: Down

Description: Brown foam at the east aeration basin, this was also the location of MP03.

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26: DSCN2471.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:38 AM
Camera Direction: South
Description: East aeration basin, foam on the surface near the north end.

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27: DSCN2472.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:42 AM

Camera Direction: Down

Description: At the flow measurement device, looking inside the side chamber where the transducer is located. There was a piece of floating debris in the chamber that may interfere with the depth measurement.



28: DSCN2473.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:42 AM

Camera Direction: Down

Description: Location of MP05 at the flow measurement device, immediately upstream of the pond.

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29: DSCN2474.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:42 AM

Camera Direction: Down

Description: Treated wastewater from the weir. The water was discolored. This was the location of MP05, the turbidity at this location was 446 NTU.

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30: DSCN2475.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:43 AM

Camera Direction: Northwest

Description: Polishing pond at the location where the treated wastewater from treatment plant. There was an excessive quantity of solid black material accumulated at this side of the pond.



31: DSCN2476.JPG

Location: Suburban Acres MHP

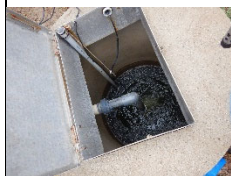
Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:43 AM

Camera Direction:

Description: Polishing pond at the location where the treated wastewater from treatment plant. There was an excessive quantity of solid black material accumulated at this side of the pond.

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32: DSCN2477.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:44 AM
Camera Direction: Down, South

Description: At the final effluent pumps to the discharge, at the location where dechlorination chemical is added, and the pump to the final outlet at the receiving stream.



33: DSCN2478.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:48 AM
Camera Direction: Down, South

Description: At the final effluent pumps to the discharge, at the location where dechlorination chemical is added, and the pump to the final outlet at the receiving stream.



34: DSCN2479.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:48 AM
Camera Direction: East

Description: Sample tap with green handle is the location of the final compliance monitoring sample.



35: DSCN2480.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:48 AM
Camera Direction: Down

Description: Location of chlorine dosing.

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36: DSCN2481.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:50 AM

Camera Direction: East

Description: North end of the polishing pond. There were stumps remaining from trees on the interior side of the berm, and algae at this location.

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37: DSCN2482.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:52 AM

Camera Direction: North

Description: Along the west side of the polishing pond. There was an electrical pole on the interior side of the berm.

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38: DSCN2483.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:53 AM
Camera Direction: West
Description: Piping for the aeration near the headworks for the wastewater treatment plant.



39: DSCN2484.JPG

Location: Suburban Acres MHP
Photographer: Jonathan Moody
Date/Time: 4/2/2025 10:54 AM
Camera Direction: East
Description: Digester and the upstream end of the east aeration tank.

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40: DSCN2485.JPG

Location: Suburban Acres MHP

Photographer: Jonathan Moody

Date/Time: 4/2/2025 10:59 AM

Camera Direction: Down

Description: Splitter box at the headworks of the plant at the location immediately downstream from the screen. At the time of the inspection, the divider was prioritizing flow to the east aeration tank.

Facility Name: Suburban Acres Mobile Home Park
Facility Location: 3699 N 175 E, Warsaw, IN 46582
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APPENDIX C: FIELD MEASUREMENT DATA

Dates and times used in this appendix are in the timezone local to the inspection site.

Jonathan Moody conducted field monitoring using an In-Situ AquaTROLL 600 (AT600) S/N 1079129. The AT600 was equipped with a temperature/conductivity sensor, pH/ORP sensor, Rugged Dissolved Oxygen (RDO) sensor and a turbidity sensor. Table 1 summarizes the methods used by the AT600 sensors.

Table 2 below shows the summary of the monitoring. The AT600 was calibrated on March 27, 2025 at 2:00 PM using a 3-point pH calibration with pH 4, 7, and 10 buffers, and an ORP/conductivity calibration with a 230mV/8,000 uS/cm QuickCal solution. This calibration was performed in the Westlake, Ohio office. The RDO sensor was calibrated using the 100% saturation method on April 2, 2025. The RDO sensor calibration was performed on-site just before starting the field monitoring. The turbidity and temperature sensors both have a factory calibration. Calibration information is documented in the field notebook for this compliance inspection and in the Calibration Report generated by the VuSitu App and appended to the end of this appendix.

A sensor verification was conducted on the pH sensor on April 3, 2025 at 11:30 AM. The summary of the verifications are included in Tables 3 and 4. The pH sensor drift was within 0.1 pH SU. Table 4 summarizes the sensor verification results.

Facility Name: Suburban Acres Mobile Home Park
Facility Location: 3699 N 175 E, Warsaw, IN 46582
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Table 1 – AT600 Sensors and Methods			
Parameter	Sensor	Units	Method
pH	pH/ORP	SU	SM 4500-H+/EPA 150.2
ORP	pH/ORP	mV	SM 2580
Specific Conductance	Conductivity/ Temperature	uS/cm	SM 2510/EPA 120.1 +/- 1,400 mV
Temperature	Conductivity/ Temperature	Celsius	EPA 170.1
Dissolved Oxygen	RDO	mg/L	EPA-approved In-Situ Methods: 1002-8-2009, 1003-8-2009, 1004-8-2009 Compliant with ASTM D888-18 Method C and ISO 17289 methods
Turbidity	Turbidity	NTU-eq	ISO 7027

Facility Name: Suburban Acres Mobile Home Park
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Table 2 – Monitoring Summary						
Date/Time	Ref. #	Location	Sp. Cond (ug/cm)	pH (SU)	DO (mg/l)	Turbidity (NTU)
4/2/2025 10:34	MP-001	<i>At the upstream end of the west aeration tank</i>	1991.5	7.74	5.98	489.0
4/2/2025 10:36	MP-002	<i>At the downstream end of the west aeration tank</i>	1901.1	7.71	6.44	623.2
4/2/2025 10:38	MP-003	<i>At the upstream end of the east aeration tank</i>	1715.6	7.47	5.12	1115.2
4/2/2025 10:40	MP-004	<i>At the downstream end of the east aeration tank</i>	1810.2	7.45	5.19	928.7
4/2/2025 10:42	MP-005	<i>At the flow measurement device, upstream of the polishing pond. Photo 29.</i>	1967.5	7.60	4.16	445.6
4/2/2025 10:47	MP-006	<i>At the final effluent pump. Photo 33.</i>	1877.8	7.44	9.09	84.8

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Table 3: Duplicate Check			
Date/Time	Ref. #	DO Sat.	DO (mg/L)
4/3/2025 11:30	N/A	101.92 %	9.02
4/3/2025 11:12	N/A	100.00	8.85
Difference			0.17

Table 4: pH Sensor Verification Check				
Date/Time	Post-Inspection pH	Verification Buffer	Pre-Inspection pH ¹	Difference ²
4/3/2024 11:30	4.08	pH 4.00 buffer verification check	4.00	0.08
	7.09	pH 7.00 buffer verification check	7.02	0.07
	10.08	pH 10.00 buffer verification check	10.05	0.03

1. Pre-inspection pH is the post calibration pH from the pre-inspection calibration report.
2. Difference between pre-inspection and post-inspection values

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APPENDIX D: TABLE OF EFFLUENT EXCEEDANCES

Monitoring Period Date Range: 01/01/2020 to 03/31/2025

Obtained from ECHO on March 6, 2025

IN0025208: SUBURBAN ACRES MOBILE HOME PARK, WARSAW, IN 46582

Facility Name: Suburban Acres Mobile Home Park

Facility Location: 3699 N 175 E, Warsaw, IN 46582

Date of Inspection: April 2, 2025

Monitoring Period Date	Outfall	Parameter Description	Statistical Base Type	DMR Value	DMR Value Unit	Limit Value	% Exceedance	Days with Exceedances
4/30/2020	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	66	mg/L	40	65	7
6/30/2020	001-A	E. coli, colony forming units (CFU)	DAILY MX	291	CFU/100mL	235	24	1
6/30/2020	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	10.30126	kg/d	5.7658	79	
6/30/2020	001-A	BOD, carbonaceous, 05 day, 20 C	MO AVG	67.5	mg/L	25	170	30
6/30/2020	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	144	mg/L	40	260	
6/30/2020	001-A	BOD, carbonaceous, 05 day, 20 C	MO AVG	4.24036	kg/d	3.5866	18	
6/30/2020	001-A	BOD, carb-5 day, 20 deg C, percent removal	MO AV MN	77.6	%	85	49	30
7/31/2020	001-A	Nitrogen, ammonia total (as N)	MX WK AV	18.2	mg/L	18	1	
7/31/2020	001-A	Nitrogen, ammonia total (as N)	MO AVG	12.7	mg/L	12	6	31
5/31/2021	001-A	Solids, total suspended	MX WK AV	66	mg/L	45	47	7
5/31/2021	001-A	Nitrogen, ammonia total (as N)	MO AVG	14	mg/L	12	17	31
5/31/2021	001-A	Nitrogen, ammonia total (as N)	MX WK AV	36	mg/L	18	100	
5/31/2021	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	11.804	kg/d	5.7658	105	
5/31/2021	001-A	BOD, carbonaceous, 05 day, 20 C	MO AVG	54	mg/L	25	116	31
5/31/2021	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	190	mg/L	40	375	
5/31/2021	001-A	BOD, carb-5 day, 20 deg C, percent removal	MO AV MN	81.2	%	85	25	31

Facility Name: Suburban Acres Mobile Home Park

Facility Location: 3699 N 175 E, Warsaw, IN 46582

Date of Inspection: April 2, 2025

Monitoring Period Date	Outfall	Parameter Description	Statistical Base Type	DMR Value	DMR Value Unit	Limit Value	% Exceedance	Days with Exceedances
6/30/2021	001-A	Solids, total suspended	MX WK AV	202	mg/L	45	349	
6/30/2021	001-A	Solids, total suspended	MO AVG	58	mg/L	30	93	30
6/30/2021	001-A	Nitrogen, ammonia total (as N)	MO AVG	24.7	mg/L	12	106	30
6/30/2021	001-A	Nitrogen, ammonia total (as N)	MX WK AV	34.6	mg/L	18	92	
6/30/2021	001-A	BOD, carbonaceous, 05 day, 20 C	MO AVG	55.75	mg/L	25	123	30
6/30/2021	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	208	mg/L	40	420	
6/30/2021	001-A	BOD, carb-5 day, 20 deg C, percent removal	MO AV MN	82.8	%	85	15	30
6/30/2021	001-A	Solids, suspended percent removal	MO AV MN	73.8	%	85	75	30
7/31/2021	001-A	Solids, total suspended	MX WK AV	48	mg/L	45	7	7
7/31/2021	001-A	E. coli, colony forming units (CFU)	DAILY MX	345	CFU/100mL	235	47	1
9/30/2021	001-A	E. coli, colony forming units (CFU)	MO GEO	178	CFU/100mL	125	42	30
9/30/2021	001-A	E. coli, colony forming units (CFU)	DAILY MX	1550	CFU/100mL	235	560	
10/31/2021	001-A	E. coli, colony forming units (CFU)	DAILY MX	1990	CFU/100mL	235	747	1
4/30/2022	001-A	E. coli, colony forming units (CFU)	DAILY MX	1050	CFU/100mL	235	347	1
6/30/2022	001-A	Chlorine, total residual	DAILY MX	0.22	mg/L	0.06	267	1
6/30/2022	001-A	E. coli, colony forming units (CFU)	DAILY MX	649	CFU/100mL	235	176	1
7/31/2022	001-A	Solids, total suspended	MO AVG	31.5	mg/L	30	5	31

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Monitoring Period Date	Outfall	Parameter Description	Statistical Base Type	DMR Value	DMR Value Unit	Limit Value	% Exceedance	Days with Exceedances
7/31/2022	001-A	Solids, total suspended	MX WK AV	90	mg/L	45	100	
7/31/2022	001-A	E. coli, colony forming units (CFU)	DAILY MX	770	CFU/100mL	235	228	1
7/31/2022	001-A	Solids, suspended percent removal	MO AV MN	81.9	%	85	21	31
9/30/2022	001-A	E. coli, colony forming units (CFU)	DAILY MX	2420	CFU/100mL	235	930	1
10/31/2022	001-A	Solids, total suspended	MX WK AV	54	mg/L	45	20	7
10/31/2022	001-A	E. coli, colony forming units (CFU)	DAILY MX	687	CFU/100mL	235	192	1
4/30/2023	001-A	E. coli, colony forming units (CFU)	DAILY MX	2420	CFU/100mL	235	930	1
5/31/2023	001-A	E. coli, colony forming units (CFU)	DAILY MX	2420	CFU/100mL	235	930	1
12/31/2023	001-A	Nitrogen, ammonia total (as N)	MO AVG	24.9	mg/L	12	108	31
12/31/2023	001-A	Nitrogen, ammonia total (as N)	MX WK AV	25.7	mg/L	18	43	
1/31/2024	001-A	Nitrogen, ammonia total (as N)	MO AVG	16.9	mg/L	12	41	31
1/31/2024	001-A	Nitrogen, ammonia total (as N)	MX WK AV	28.5	mg/L	18	58	
4/30/2024	001-A	Solids, total suspended	MX WK AV	130	mg/L	45	189	
4/30/2024	001-A	Solids, total suspended	MO AVG	50	mg/L	30	67	30
4/30/2024	001-A	Chlorine, total residual	DAILY MX	0.15	mg/L	0.06	150	1
4/30/2024	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	87	mg/L	40	118	7
4/30/2024	001-A	Solids, suspended percent removal	MO AV MN	79.7	%	85	35	30

Facility Name: Suburban Acres Mobile Home Park

Facility Location: 3699 N 175 E, Warsaw, IN 46582

Date of Inspection: April 2, 2025

Monitoring Period Date	Outfall	Parameter Description	Statistical Base Type	DMR Value	DMR Value Unit	Limit Value	% Exceedance	Days with Exceedances
5/31/2024	001-A	Solids, total suspended	MO AVG	41.6	mg/L	30	39	31
5/31/2024	001-A	Solids, total suspended	MX WK AV	73	mg/L	45	62	
5/31/2024	001-A	Nitrogen, ammonia total (as N)	MX WK AV	19.6	mg/L	18	9	7
5/31/2024	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	91	mg/L	40	128	
5/31/2024	001-A	BOD, carbonaceous, 05 day, 20 C	MO AVG	28.8	mg/L	25	15	31
6/30/2024	001-A	Nitrogen, ammonia total (as N)	MX WK AV	22.8	mg/L	18	27	7
7/31/2024	001-A	Nitrogen, ammonia total (as N)	MO AVG	37.75	mg/L	12	215	31
7/31/2024	001-A	Nitrogen, ammonia total (as N)	MX WK AV	41.8	mg/L	18	132	
7/31/2024	001-A	E. coli, colony forming units (CFU)	DAILY MX	1550	CFU/100mL	235	560	1
8/31/2024	001-A	Nitrogen, ammonia total (as N)	MO AVG	29.68	mg/L	12	147	31
8/31/2024	001-A	Nitrogen, ammonia total (as N)	MX WK AV	44.6	mg/L	18	148	
8/31/2024	001-A	E. coli, colony forming units (CFU)	DAILY MX	1050	CFU/100mL	235	347	1
8/31/2024	001-A	BOD, carbonaceous, 05 day, 20 C	MX WK AV	43	mg/L	40	8	7
9/30/2024	001-A	Nitrogen, ammonia total (as N)	MX WK AV	19	mg/L	18	6	7
10/31/2024	001-A	Nitrogen, ammonia total (as N)	MX WK AV	23.8	mg/L	18	32	7
12/31/2024	001-A	Solids, total suspended	MO AVG	56	mg/L	30	87	31
12/31/2024	001-A	Solids, total suspended	MX WK AV	14.3918	kg/d	6.4922	122	

Facility Name: Suburban Acres Mobile Home Park

Facility Location: 3699 N 175 E, Warsaw, IN 46582

Date of Inspection: April 2, 2025

Monitoring Period Date	Outfall	Parameter Description	Statistical Base Type	DMR Value	DMR Value Unit	Limit Value	% Exceedance	Days with Exceedances
12/31/2024	001-A	Solids, total suspended	MX WK AV	190	mg/L	45	322	
12/31/2024	001-A	Solids, suspended percent removal	MO AV MN	64.2	%	85	139	31