



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

DATE: *May 20, 2025*

SUBJECT: CLEAN WATER ACT INSPECTION REPORT
Salamonie Estates Mobile Home Park, 6060 South 800 East, La Fontaine,
Indiana 46940

FROM: Megan Zale, CWA (Clean Water Act) NPDES (National Pollutant Discharge
Elimination System) Inspector
WECAB, Multimedia Section

THRU: Brooke Furio, Section Supervisor
WECAB, Multimedia Section

BASIC INFORMATION

Facility Name: Salamonie Estates Mobile Home Park

Facility Type: Privately owned treatment works at a mobile home park

NPDES Permit Number: IN0039446

Date(s) of Inspection: 4/1/2025

EPA Inspector(s):

1. Megan Zale, Lead Inspector
2. Jonathan Moody, Inspector

Inspection Attendees:

Name	Title	Organization	Email	Phone
Matt Corwin	Operator	Services by Stouder	corwinmatt2@gmail.com	765-499-8426
Jen Bush	Inspector	U.S. EPA	Bush.jennifer@epa.gov	312-886-0879
Porfirio Ascencio	Inspector	Indiana Dept. of Environmental Management	Pascenci@idem.IN.gov	219-216-3235

Owner:

Name	Title	Organization	Email
Kellen Buss	Owner	Jones Estates	kbuss@rentstackhouse.com

Inspection Type: Compliance Evaluation Inspection

Facility Notification:

- ☐ Unannounced Inspection
☒ Announced Inspection

Arrival Date and Time: 4/01/2025 1:00 PM (ET)

Departure Date and Time: 4/01/2025 4:00 PM (ET)

OPENING CONFERENCE

- ☒ Presented Credentials
☒ Stated authority and purpose of inspection

The following information was obtained verbally from Matt Corwin, Operator, unless otherwise noted.

Background:

The wastewater treatment plant is an extended aeration plant at a mobile home park. The design flow is 0.0132 million gallons per day (MGD). The population served is 30, according to the Enforcement and Compliance History Online database. The current operators, Services by Stouder, took over operations in February 2024. The operator stated that the aeration air lines will be replaced in summer 2025. He also stated that the plant is original but was unsure of the age of the plant.

Process Description:

The wastewater treatment process consists of raw sewage entering a lift station and then flowing to a blower house, then to an aeration tank/mixed liquor tank. After that, it enters a clarifier, flows through three polishing tanks in sequence, then 3 post-aeration tanks, a digester (the sludge decant goes into a surge tank), and finally gets treated with tablet chlorination and sulfur dioxide de-chlorination. The previous operator introduced ferric chloride for phosphorus removal in 2021, which is added at the aeration tank.

Staff Interview(s): The Facility was in violation of its permit for nine of the last twelve quarters (see Appendix C). From 2023 through December 2024, it had 24 ammonia nitrogen

exceedances, 9 total suspended solids exceedances and 2 E. coli exceedances (see Appendix C) which the operator stated were mitigated by more proper use of the chlorine. The operator stated that the ammonia nitrogen issue was caused by previous operators frequently wasting sludge, resulting in inadequate ammonia nitrogen removal. Two of the aeration tanks are not in operation because they are not needed, according to the operator. The operator also stated that solids are sent to the digester, approximately once per week. The operator stated that the flow meter, which is a totalizer, was maximized out on its limit for recording total flow volume between 3/24/2025 and 3/30/2025 so it didn't record those days, but has recorded the total flow since its installment, and to figure out the flow for those days, the operator subtracted the total flows between those days and averaged them out.

The operator Matt Corwin stated he does all sampling at the plant. The plant does not have any backup power but is capable of being hooked up to portable generators. The operator stated that the de-chlorination tablet feeder was sloped backwards, and the plant discharge is intermittent, so the water in the tablet feeder will backwash into the second chlorination chamber, and he needs to remediate this to continue to meet E. coli limits.

FACILITY WALK-THROUGH OCCURRED:

Yes

Data Collected and Observations:

EPA Inspectors observed that the operator Matt Corwin takes dissolved oxygen measurements from the flow measurement box (over the final weir) by setting the meter next to the box grate, hanging the meter in the flow measurement box, waiting three to five minutes and then recording the reading. He told EPA that he only takes one measurement for dissolved oxygen.

Upon observance of the clarifier weir, EPA observed that there was a lot of material on the weir which should be cleaned off, and there was material downstream of the weir. (Photo #7 in Appendix B).

Photos and/or Videos: were taken during the inspection. See Appendix B.

Field Measurements: were not taken during this inspection.

RECORDS REVIEW

List of Records Reviewed:

1. 6 months of flow data (October 2024 through March 2025)
2. 2 months of mixed liquor tank data for dissolved oxygen and settled sludge volume measurements (February 2025 and March 2025)
3. 2 months of chain of custody forms for samples (February 2025 and March 2025)

4. 2 months of laboratory analytics data (February 2025 and March 2025)
5. 10 months of Facility logbook records (July 2024 to April 2025)

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. The operator stated that the flow meter, which is a totalizer, was maximized out on its limit for recording total flow volume between 3/24/2025 and 3/30/2025 so it didn't record those days but has recorded the total flow since its installment (see photo #2 in Appendix B).

NPDES Permit No. IN0039446 requires a flow measurement frequency of five times weekly.

Additionally, 327 IAC 5-2-13 Sec. 13. (a) states: To assure compliance with permit terms and conditions, all permittees shall monitor, as required in the permit, the following: (2) The volume of wastewater flow at monitoring points specified in the permit, including the final effluent flow from each point source.

2. The operator told EPA during the inspection walk-through that he only takes one measurement for dissolved oxygen.

NPDES Permit No. IN0039446, Part I A states: The daily minimum concentration of dissolved oxygen in the effluent shall be reported as the arithmetic mean determined by summation of the two (2) daily grab sample results divided by the number of daily grab samples. These samples are to be collected over equal time intervals.

3. The operator stated that the de-chlorination tablet feeder was sloped backwards, and the plant discharge is intermittent, so the water in the tablet feeder will backwash into the second chlorination chamber, and he needs to remediate this to meet E. coli limits.

NPDES Permit No. IN0039446 Part II B. 1. states "In accordance with 327 IAC 5-2-8(9), the permittee shall at all times maintain in good working order and efficiently operate all facilities and systems (and related appurtenances, i.e., equipment used for measuring and determining compliance) for collection and treatment..."

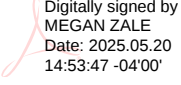
Appendices and Attachments

- A. Aerial Image

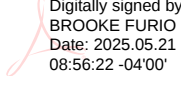
- B. Digital Image Log
- C. Table of Effluent Exceedances

DIGITAL SIGNATURES

Megan Zale, Environmental Scientist

Report Author Signature: **MEGAN ZALE**  Digitally signed by
MEGAN ZALE
Date: 2025.05.20
14:53:47 -04'00'

Brooke Furio, Multimedia Section Supervisor

Section Supervisor Signature: **BROOKE FURIO**  Digitally signed by
BROOKE FURIO
Date: 2025.05.21
08:56:22 -04'00'

Facility Name: Salamonie Estates Mobile Home Park
Facility Location: 6060 South 800 East, La Fontaine, Indiana 46940
Date of Inspection: April 1, 2025

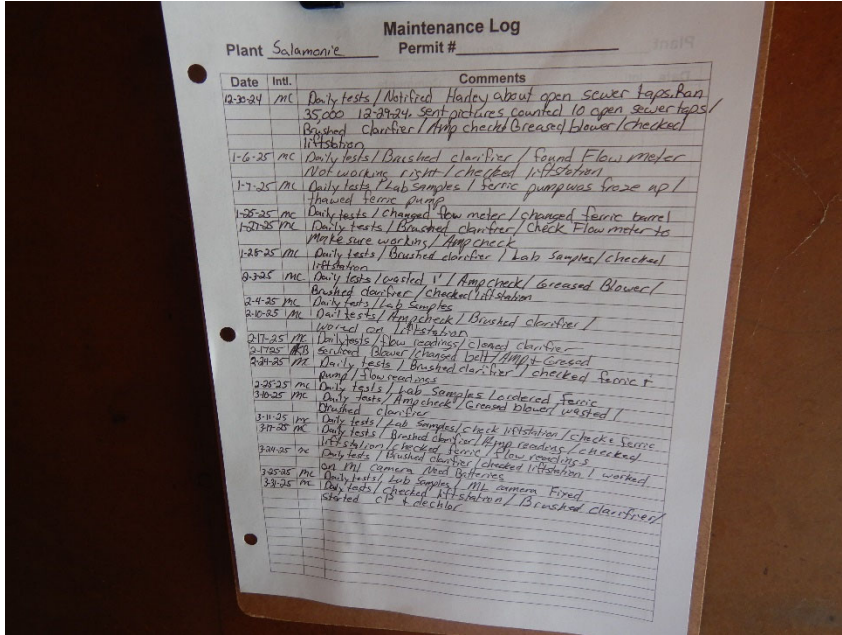
APPENDIX A: AERIAL PHOTO



Facility Name: Salamonie Estates Mobile Home Park
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APPENDIX B: DIGITAL IMAGE LOG

**Salamonie Country Estates
EPA Inspection 4/1/2025
All photos taken by Megan Zale, Clean Water Act Inspector, U.S. EPA
Camera: Nikon Coolpix**



1: DSCN0760

Description: Facility maintenance log

Location: Inside the shed adjacent to wastewater treatment plant

Camera Direction: n/a

Date/Time: 4/1/2025 13:47

Facility Name: Salamonie Estates Mobile Home Park
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Date of Inspection: April 1, 2025

Plant: Salamonie Date: March, 2025

Int.	Totalizer	GPD	Time In	Time Out	Man Hrs.	Remarks
1	4013032	.009599				
2	4035558	.017836				found some stale water in tank
3	4041780	.010322	12:15	12:15	1.0	
4	4048599	.006768	12:45	12:45	1.0	
5	4061791	.013180				
6	4073383	.013685				
7	4084870	.010257				
8	4093305	.009335				
9	4102348	.008894				
10	4108161	.005812	10:00	11:00	1.0	
11	4114388	.006227	10:30	11:30	1.0	
12	4121902	.007514				
13	4127596	.005694				
14	4133176	.004580				
15	4141504	.012513				
16	4148557	.037467				
17	4150785	.022538	10:00	11:00	1.0	
18	4161829	.009135	10:30	11:30	1.0	
19	4163178	.011943				
20	4163870	.015277				
21	4167625	.010757				
22	4168015	.008387				
23	4170934	.009909				
24			9:30	10:30	1.0	
25			10:45	11:45	1.0	
26						
27						
28						
29						
30						
31	4321433		7:45	10:45	1.0	

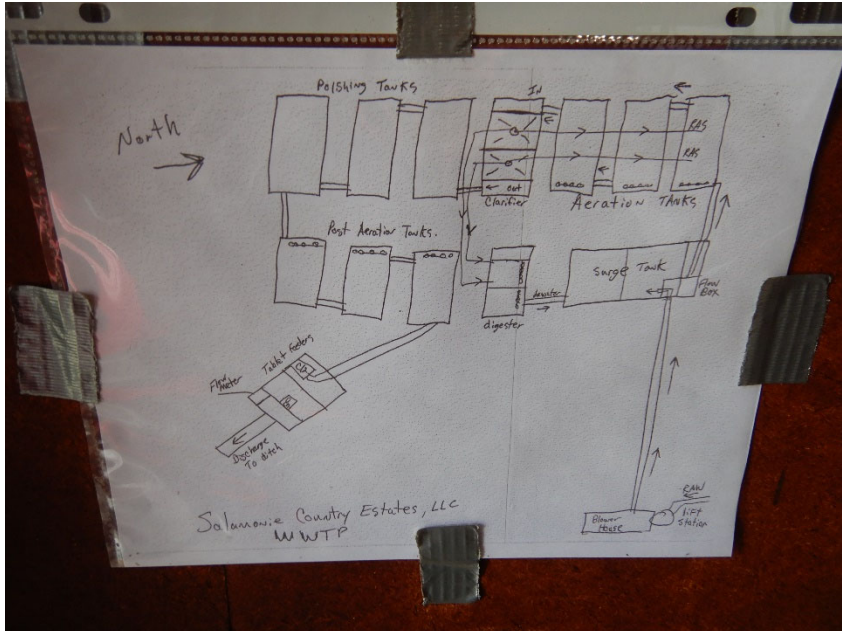
2: DSCN0761

Description: Flow meter log for March 2025

Location: Inside the shed adjacent to wastewater treatment plant

Camera Direction: n/a

Date/Time: 4/1/2025 13:50



3: DSCN0762

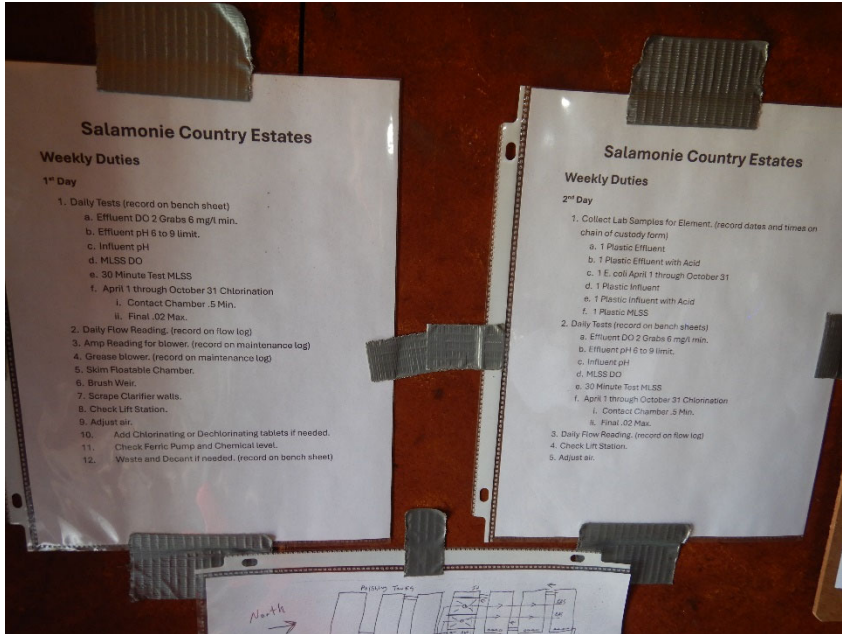
Description: Plant flow schematic

Location: Inside the shed adjacent to wastewater treatment plant

Camera Direction: n/a

Date/Time: 4/1/2025 13:51

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4: DSCN0763

Description: Operator duties

Location: Inside shed adjacent to the wastewater treatment plant

Camera Direction: n/a

Date/Time: 4/1/2025 13:51



5: DSCN0764

Description: Chlorine contact tank and de-chlorination tank

Location: Southeast end of wastewater treatment plant

Camera Direction: down

Date/Time: 4/1/2025 14:32

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6: DSCN0765
Description: Sludge holding tank/digester
Location: Wastewater treatment plant
Camera Direction: down
Date/Time: 4/1/2025 14:37



7: DSCN0766
Description: Clarifier weir
Location: Wastewater treatment plant
Camera Direction: down
Date/Time: 4/1/2025 14:44

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APPENDIX C: TABLE OF EFFLUENT EXCEEDANCES

(TAKEN FROM ENFORCEMENT AND COMPLIANCE HISTORY ONLINE)

FOR THE PERIOD 01/01/2020 TO 03/31/2025

Monitoring Period Date	Outfall	Parameter Description	DMR Value	Limit Value	Units	% Exceedance
1/31/2020	001-A	Solids, suspended percent removal	78.2	85	%	45
2/29/2020	001-A	BOD, carb-5 day, 20 deg C, percent removal	79	85	%	40
2/29/2020	001-A	Solids, suspended percent removal	81	85	%	27
3/31/2020	001-A	BOD, carb-5 day, 20 deg C, percent removal	79.4	85	%	37
3/31/2020	001-A	Solids, suspended percent removal	1.2	85	%	575
4/30/2020	001-A	Solids, total suspended	1.37789	0.908	kg/d	52
4/30/2020	001-A	Solids, total suspended	37.5	18	mg/L	108
10/31/2021	001-A	Solids, total suspended	1.11003	0.908	kg/d	22
5/31/2022	001-A	Solids, total suspended	1.57538	0.5902	kg/d	167
5/31/2022	001-A	Solids, total suspended	7.4683	0.908	kg/d	723
5/31/2022	001-A	Solids, total suspended	23	18	mg/L	28

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5/31/2022	001-A	Solids, total suspended	15.2	12	mg/L	27
5/31/2022	001-A	Nitrogen, ammonia total (as N)	0.120764	0.0454	kg/d	166
5/31/2022	001-A	Nitrogen, ammonia total (as N)	0.59474	0.0908	kg/d	555
5/31/2022	001-A	E. coli, colony forming units (CFU)	921	235	CFU/100mL	292
5/31/2022	001-A	BOD, carbonaceous, 05-day, 20 C	0.7264	0.4994	kg/d	45
5/31/2022	001-A	BOD, carbonaceous, 05-day, 20 C	3.48672	0.7718	kg/d	352
8/31/2022	001-A	Oxygen, dissolved (DO)	4.45	6	mg/L	26
8/31/2022	001-A	Solids, total suspended	20	18	mg/L	11
8/31/2022	001-A	Phosphorus, total (as P)	1.42	1	mg/L	42
9/30/2022	001-A	Oxygen, dissolved (DO)	3.81	6	mg/L	37
9/30/2022	001-A	Phosphorus, total (as P)	1.4	1	mg/L	40
10/31/2022	001-A	Oxygen, dissolved (DO)	4.05	6	mg/L	33
10/31/2022	001-A	Phosphorus, total (as P)	1.17	1	mg/L	17
11/30/2022	001-A	Phosphorus, total (as P)	1.14	1	mg/L	14

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12/31/2022	001-A	Phosphorus, total (as P)	1.025	1	mg/L	3
4/30/2023	001-A	E. coli, colony forming units (CFU)	1410	235	CFU/100mL	500
5/31/2023	001-A	Solids, total suspended	1.00334	0.908	kg/d	11
6/30/2023	001-A	Oxygen, dissolved (DO)	4.99	6	mg/L	17
7/31/2023	001-A	Nitrogen, ammonia total (as N)	2.7	1.1	mg/L	145
7/31/2023	001-A	Nitrogen, ammonia total (as N)	6.01	1.6	mg/L	276
8/31/2023	001-A	Oxygen, dissolved (DO)	4.8	6	mg/L	20
8/31/2023	001-A	pH	9.1	9	SU	
8/31/2023	001-A	Solids, total suspended	20	18	mg/L	11
8/31/2023	001-A	Nitrogen, ammonia total (as N)	4.2	1.1	mg/L	282
8/31/2023	001-A	Nitrogen, ammonia total (as N)	0.072186	0.0454	kg/d	59
8/31/2023	001-A	Nitrogen, ammonia total (as N)	0.318254	0.0908	kg/d	251
8/31/2023	001-A	Nitrogen, ammonia total (as N)	12	1.6	mg/L	650
9/30/2023	001-A	Oxygen, dissolved (DO)	3.75	6	mg/L	38

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9/30/2023	001-A	Nitrogen, ammonia total (as N)	2.1	1.6	mg/L	31
10/31/2023	001-A	Nitrogen, ammonia total (as N)	1.65	1.6	mg/L	3
11/30/2023	001-A	Nitrogen, ammonia total (as N)	6.96	1.6	mg/L	335
11/30/2023	001-A	Nitrogen, ammonia total (as N)	3.2	1.1	mg/L	191
12/31/2023	001-A	Nitrogen, ammonia total (as N)	9.76	2.4	mg/L	307
12/31/2023	001-A	Nitrogen, ammonia total (as N)	6.5	1.6	mg/L	306
1/31/2024	001-A	Nitrogen, ammonia total (as N)	9.02	2.4	mg/L	276
1/31/2024	001-A	Nitrogen, ammonia total (as N)	6.65	1.6	mg/L	316
1/31/2024	001-A	Phosphorus, total (as P)	1.98	1	mg/L	98
2/29/2024	001-A	Solids, total suspended	79	18	mg/L	339
2/29/2024	001-A	Solids, total suspended	26.2	12	mg/L	118
2/29/2024	001-A	Nitrogen, ammonia total (as N)	5.7	1.6	mg/L	256
2/29/2024	001-A	Nitrogen, ammonia total (as N)	10.5	2.4	mg/L	338
2/29/2024	001-A	Nitrogen, ammonia total (as N)	0.19522	0.1362	kg/d	43

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3/31/2024	001-A	Nitrogen, ammonia total (as N)	0.180692	0.0908	kg/d	99
3/31/2024	001-A	Nitrogen, ammonia total (as N)	3.41	1.6	mg/L	113
3/31/2024	001-A	Nitrogen, ammonia total (as N)	0.45854	0.1362	kg/d	237
3/31/2024	001-A	Nitrogen, ammonia total (as N)	8.07	2.4	mg/L	236
4/30/2024	001-A	Solids, total suspended	24	18	mg/L	33
4/30/2024	001-A	Solids, total suspended	0.78996	0.5902	kg/d	34
4/30/2024	001-A	Solids, total suspended	1.816	0.908	kg/d	100
4/30/2024	001-A	Nitrogen, ammonia total (as N)	0.213834	0.1362	kg/d	57
4/30/2024	001-A	E. coli, colony forming units (CFU)	63200	235	CFU/100mL	26794
5/31/2024	001-A	Solids, total suspended	14.25	12	mg/L	19
6/30/2024	001-A	Nitrogen, ammonia total (as N)	5.4	1.6	mg/L	238
6/30/2024	001-A	Nitrogen, ammonia total (as N)	2.4	1.1	mg/L	118
11/30/2024	001-A	BOD, carbonaceous, 05-day, 20 C	21	15	mg/L	40
12/31/2024	001-A	Solids, total suspended	1.39832	0.908	kg/d	54