

INSPECTION REPORT

Inspection Entry Date/Time	05/22/2024 10:00 AM (CT)	Announced: Yes
Inspection Exit Date/Time	05/23/2024 03:00 PM (CT)	Access: Granted
Weather		
Media	Water	
Statute(s)/Program(s)	Clean Water Act, NPDES, WWTP	
Type of Inspection	Compliance Evaluation Inspection (CEI)	
Permittee Name	City of New Iberia	
Facility or Site Name	Sucrose Drive Treatment Plant	
Facility/Site Physical Address	800 Sucrose Drive	
City, State, Zip Code	New Iberia, LA 70560	
County/Borough/Parish	Iberia Parish	
Facility GPS Coordinates	30.0027, -91.81359	
Mailing Address (If different)	457 E Main St Room 300	
City, State, Zip Code	New Iberia, LA 70560	
FRS ID	110010698183	
Permit Number(s) (If Applicable)	LA0120201	
SIC and/or NAICS	4952	
Regulatory Representatives Participating in Inspection:		
Title	Name	Organization
Inspector	Emily Yurk	EPA REGION 6
LDEQ Inspector	Lauren Wilson	LDEQ
LDEQ Inspector	Grant Lafleur	LDEQ
Lead Inspector:		
Kenneth Aubuchon	KENNETH AUBUCHON	
	EPA REGION 6	Digitally signed by KENNETH AUBUCHON Date: 2024.07.18 13:30:09 -05'00'
	aubuchon.kenneth@epa.gov	(281) 983-2151
Supervisor Review:		
Roberto Bernier	ROBERTO BERNIER	
	EPA REGION 6	Digitally signed by ROBERTO BERNIER Date: 2024.07.18 23:42:50 -05'00'
	bernier.roberto@epa.gov	(214)665-8376

SECTION I – INTRODUCTION

Site Entry and Inspection Objectives

EPA REGION 6 Lead Inspector, Kenneth Aubuchon, arrived at the City of New Iberia Wastewater Treatment Facility (the “Site” or “Facility”), located at 457 E Main St Room 300, New Iberia, LA 70560, at 10:00 AM (CT) on 05/22/2024 for an announced inspection. The EPA region 6 Lead Inspector presented credentials to Brad Cradeur and informed them that this was an EPA lead inspection to determine compliance as authorized by Clean Water Act (CWA) Section 308 and implementing regulations. This report is based on information supplied by representatives of the City of New Iberia, direct observations made by EPA inspectors, records and reports maintained by the permittee, and other information including: photographs taken by EPA inspectors, physical evidence collected by the EPA inspectors, measurements taken by EPA inspectors, verbal or written statements made by information supplied by City of New Iberia representatives during or subsequent to the on-site Inspection, and materials, processes, data, photographs, or documents shown, demonstrated, or submitted to the EPA inspectors by City of New Iberia 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 6	Kenneth Aubuchon	Lead Inspector	Yes	Yes
EPA REGION 6	Emily Yurk	Inspector	Yes	Yes
Iberia Parish	Brad Cradeur	Executive Director	Yes	Yes
City of New Iberia	Craig Girouard	Director	Yes	Yes
LDEQ	Lauren Wilson	LDEQ Inspector	Yes	Yes
LDEQ	Grant Lafleur	LDEQ Inspector	Yes	Yes

Facility/Site Description

EPA REGION 6 lead inspector confirmed the following facility information:

Collection lines discharge to pump stations which discharge to the Treatment Plant. Primary treatment consists of physical screening and a vortex grit removal system. Secondary treatment is by eight Sequencing Batch Reactors (activated sludge) followed by Tertiary treatment in IO sand/gravel/anthracite gravity filters, followed by disinfection using chlorination and dechlorination using SO2. The treated effluent is then aerated to ensure sufficient dissolved oxygen is available and finally gravity discharged as described in item B above. Waste activated sludge is sent to a holding tank and dewatered through the addition of a flocculant and a belt press, then trucked off site for processing into Class B Biosolids.

Facility/Site Information

Location(s)

Location/Area/Sub-area	Description
1. Headworks	The Sucrose Drive Treatment Plant services approximately 23,250 connections from New Iberia Incorporated City Limits and approximately 7,500 connections from portions of Iberia Parish.
2. Treatment System	Secondary treatment is by 8 Sequencing Batch Reactors (activated sludge)
3. Sludge Management	Waste activated sludge is sent to a holding tank and then dewatered with the addition of a flocculant and a belt press, then trucked off site for processing into Class B Biosolids.
4. Discharge	Parshall Flume equipped with ultrasonic meter which continually transmits data to a SCADA recording system.
5. Pretreatment Program	LDEQ is currently the Control authority. Due to categorical dischargers the city and parish are preparing a pretreatment program.
H2eaux Logistics LLC	Located at 1010 Vortex Dr., New Iberia, Iberia Parish the IU is permitted as Categorical IU under regulation: 40 CFR 437-The Centralized Waste Treatment Point Source Category: 40 CFR 437- Subpart D -Multiple Waste-streams, Combined waste receipts from Subparts B and C.

SECTION II – OBSERVATIONS

Location: 1. Headworks		
Observation #: EY2-OB-001	Date: 05/22/2024	Weather:
At the headworks, the drum screens have been inoperative for an indeterminate amount of time. They have temporarily been replaced by a manually cleaned bar screen, which catches most trash but is not as effective as the drum screens. According to the facility, funding has been secured for new drum screens and bids are currently being reviewed.		
Photo(s) 1. Bar Screen.JPG 2. Drum Screen.JPG		

Location: 2. Treatment System		
Observation #: EY2-OB-002	Date: 06/17/2024	Weather:
The facility's aerator gaskets were noticed leaking air by facility personnel 3 weeks prior to inspection. The gaskets had all been dug up and were in the process of being replaced at the time of inspection.		

Location: 2. Treatment System		
Observation #: EY2-OB-003	Date: 05/22/2024	Weather:
The facility's grit pump had been down for a year, but was repaired the week before our inspection. While the pump was down, the centrifuge was still in operation, so grit was moved and pumped with a vacuum truck once a week.		
Photo(s)		
1. Grit Chamber Control Panel.JPG		

Location: 2. Treatment System		
Observation #: EY2-OB-005	Date: 05/22/2024	Weather:
Six of the eight sequence batch reactors at the facility were in proper working order during inspection. SBR-2 had not been wasted in two weeks due to a non-operational sludge pump. SBR-8 was drained at the time of inspection for air diffuser maintenance.		

Location: 2. Treatment System		
Observation #: EY2-OB-006	Date: 05/22/2024	Weather:
Midge fly larvae, also known as blood worms, were present in small numbers in the SBRs at the time of inspection. Facility personnel noted that the larvae increase in number during the summer.		
Photo(s)		
1. Midge Fly Larvae.JPG		

Location: 2. Treatment System		
Observation #: EY2-OB-007	Date: 05/22/2024	Weather:
The facility has trickling filters as a tertiary treatment system. At the time of inspection, the trickling filters were not being operated. Facility personnel stated that the filters could not be operated until the broken drum screens were repaired because, without the drum screens, there is an increased amount of small pieces of trash in the wastewater that would clog the TFs.		

Location: 4. Discharge		
Observation #: EY2-OB-008	Date: 05/22/2024	Weather:
New Iberia's permit requires flow-weighted composite samples. The composite samples were not being flow weighted properly at the time of inspection. The flow weight was being manually calculated based on the plant's flow from the previous day rather than being synced to real-time flow data.		
Photo(s)		
1. Composite Sample Info.JPG		

Location: 5. Pretreatment Program/H2eaux Logistics LLC		
Observation #: KA1-OB-001	Date: 05/23/2024	Weather:
H2eaux Logistics LLC was inspected as part of the New Iberia inspection due to reported oily-water discharges into the Sucrose Drive Treatment Plant. Due to numerous areas of concern noted at the H2eaux facility and the control authority currently LDEQ, a separate report under a separate cover letter will be prepared and submitted.		

SECTION III – RECORDS REVIEW

Records may not be in sequential order.

Record: Industrial User Permits		AOC: No
Ref #: KA1-RR-003	Reviewed By: Kenneth Aubuchon	Reviewed Date: 05/22/2024
H2eaux Logistics LLC was inspected as part of the New Iberia inspection. Due to numerous areas of concern noted at the H2eaux facility a separate report under a separate cover letter will be prepared and submitted.		
Document(s)		
1. CNI-District Terms Conditions (002).pdf		
Record: Permit Renewal Application		AOC: No
Ref #: KA1-RR-002	Reviewed By: Kenneth Aubuchon	Reviewed Date: 05/22/2024
Record: DMR Reports		AOC: No
Ref #: KA1-RR-001	Reviewed By: Kenneth Aubuchon	Reviewed Date: 05/22/2024
DMR reports were reviewed for the time frame 01/2024 to 04/2024.		

SECTION IV – SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

No sampling was conducted.

SECTION V - AREA OF CONCERN

Area(s) of Concern may not be in sequential order.

The presentation of Area(s) of Concern does not constitute a formal compliance determination or violation.

AOC Reference #: EY2-OB-008	Location: 4. Discharge
Regulation and/or Permit Requirement	
LPDES LA0120201 – Permit Requirements	
Outfall 001 – Treated Sanitary Wastewater - Effluent Limitations and Monitoring Requirements: Such discharges shall be limited and monitored by the permittee as specified: Monitoring Requirements – Sampling Type – 12-hr composite.	
AOC:	
New Iberia’s permit requires 12-hour flow-weighted composite samples. The composite samples were not being flow weighted properly at the time of inspection. The flow weight was being manually calculated based on the plant’s flow from the previous day rather than being synced to real-time flow data.	

SECTION VI – CLOSING CONFERENCE AND FOLLOW UP

Closing Conference

The EPA REGION 6 Lead Inspector held a closing conference with Facility personnel at 03:00 PM (CT) on 05/23/2024 for the inspection. During the closing conference, EPA REGION 6 Lead Inspector discussed the observations and Area(s) of Concern identified during the inspection. Observations and Area(s) of Concern have not yet been evaluated for a formal compliance determination.

Follow Up

No follow up was required after exiting the facility on 05/23/2024.

Communication Log

No additional information received by EPA REGION 6 after exiting the Facility on 05/23/2024.

SECTION VII – LIST OF APPENDICES

- 1. Photo Log
- 2. Document Log

APPENDIX 1: PHOTO LOG



Drum Screen			Drum Screen.JPG
05/22/2024 01:55 PM	No CBI	No PII	Photographer: Emily Yurk
1. Headworks			
Photograph of one of the facility's drum screens, which were not in working order at the time of inspection.			



Bar Screen			Bar Screen.JPG
05/22/2024 01:55 PM	No CBI	No PII	Photographer: Emily Yurk
1. Headworks			
Photograph of the manually cleaned bar screen that is a temporary replacement for the drum screens that were not operational at the time of inspection.			



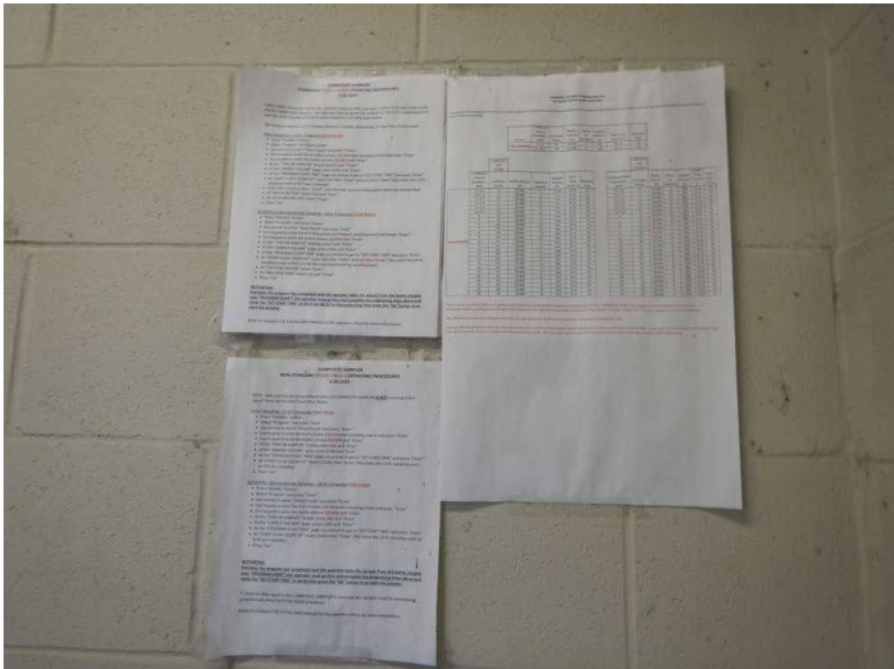
Grit Pump Control Panel			Grit Chamber Control Panel.JPG
05/22/2024 01:55 PM	No CBI	No PII	Photographer: Emily Yurk
2. Treatment System			
Photograph of the control panel which operates the facility's recently repaired grit pump.			



Midge Fly Larvae			Midge Fly Larvae.JPG
05/22/2024 02:30 PM	No CBI	No PII	Photographer: Emily Yurk
2. Treatment System			
Photograph of midge fly larvae, also known as blood worms, attached to a rope in one of the facility's sequence batch reactors.			



Outfall			Outfall.JPG
05/22/2024 02:57 PM	No CBI	No PII	Photographer: Emily Yurk
[Location/Area]			
Photograph of the facility's outfall through which all treated wastewater is discharged.			



Composite Sample Info			Composite Sample Info.JPG
05/22/2024 03:06 PM	No CBI	No PII	Photographer: Emily Yurk
4. Discharge			
Photograph of the methods by which the volume is calculated for flow-weighted composite samples collected from the facility's discharge.			

APPENDIX 2: DOCUMENT LOG

Document Type	Document Name	Contains CBI	Contains PII	Uploaded By	Date Received
Industrial User Permits	CNI-District Terms Conditions (002).pdf	No	No	Kenneth Aubuchon	07/11/2024