

Region 6 Compliance Assurance and Enforcement Division
INSPECTION REPORT

Inspection Date(s):	04/10/2024		
Media:	Water		
Regulatory Program(s)	Clean Water Act		
Company Name:	City of Kenner		
Facility Name:	City of Kenner		
Facility Physical Location:	1 West 30 th Street		
(city, state, zip code)	Kenner, LA 70065		
Mailing address:	1610 Rev. Richard Wilson Dr.		
(city, state, zip code)	Kenner, LA 70062		
County/Parish:	Jefferson Parish		
Facility Contact:	Joanne Massony	Wastewater Director	
	504-468-7292		
FRS Number:			
Identification/Permit Number:	LA0066800		
Media Number:	AI#19066		
NAICS:	221320		
SIC:	4952		
Personnel participating in inspection:			
Michael Williams	EPA/ 6EN-WMH	Inspector	281-983-2150
Darryl Carter	City of Kenner	Operation Manager	504-462-0463
EPA Lead Inspector Signature/Date	 Digitally signed by Williams, Mike Date: 2024.06.11 12:58:12 -05'00'		
	Michael D. Williams		Date
Supervisor Signature/Date	ROBERTO BERNIER Digitally signed by ROBERTO BERNIER Date: 2024.06.11 12:02:19 -05'00'		
	Roberto Bernier		Date

Section I - Introduction

PURPOSE OF THE INSPECTION

EPA Region 6 inspector, Michael Williams, arrived at the City of Kenner WWTP at 10:30 am on April 10, 2024, for an unannounced NPDES wastewater treatment plant inspection. During the opening conference, I met with Darryl Carter, Operation Manager. Mr. Carter was informed that this was an EPA lead compliance evaluation inspection to determine compliance with the facility's National Pollutant Discharge Elimination System (NPDES) permit and the Clean Water Act. The scope of the inspection was with permit LA0066800 and facility operations and maintenance under the Clean Water Act. The inspection was conducted under the authority of the NPDES permit program, in accordance with the Federal CWA.

The information presented in this report is based on the materials and information supplied by The City of Kenner representatives, observations made during the inspection and records, or reports maintained by the permittee.

FACILITY DESCRIPTION

The History

The city has a single treatment facility, a 15.2 MGD activated sludge treatment plant. This facility includes the original North Plant, a 5.25 MGD activated sludge plant opened in 1985, and the South Plant, a 3.3 MGD activated sludge plant opened in 1996. The North Plant was expanded by 5 MGD between 2004 and 2006 with the addition of two aeration basins and two clarifiers.

Following the Consolidated Compliance Order (WE-CN-09-0174) issued on August 26, 2009, by the Louisiana Department of Environmental Quality (LDEQ), the City of Kenner undertook numerous upgrades to its collection system and expanded the plant's capacity from 13.55 MGD to 15.2 MGD, a project completed in 2017.

Historically, the plant experienced frequent tank overflows during high flow conditions, exacerbated by capacity increases at several city lift stations. A full hydraulic and treatment capacity evaluation revealed that while there was adequate treatment process capacity, hydraulic capacity was insufficient for projected flows.

In 2016, the Effluent Pump Station was upgraded, replacing six 150 HP vertical turbine solids handling pumps with 300 HP pumps. In 2017, the North Plant's capacity was further expanded by 1.65 MGD with the addition of new headworks, a new aeration effluent splitter cleanout box, two new clarifiers, and associated piping. This expansion increased the plant's peak hydraulic capacity to 62 MGD.

The Process

Influent flow enters the plant from seven separate force mains into the headworks. After screening and grit removal, the flow is divided between the North and South Plants. The North Plant comprises three mechanical bar screens, one manual bar screen, two grit chambers, six aeration basins with fine bubble diffused air, eight final clarifiers, and four aerobic digesters.

The South Plant includes two combination aeration basin-clarifier tanks and utilizes the North Plant's digesters. Both trains treated effluent flows into a single effluent pump station, which pumps all of Kenner's treated effluent into the Mississippi River.

Disinfection occurs at the effluent pump station through the injection of 12.5% sodium hypochlorite.

Effluent Handling

Post-disinfection, the plant's effluent is discharged to the City's effluent pump station, which pumps it to the Mississippi River at River Sub Segment 070301 via a 48-inch force main. The effluent pump station is located on the plant site.

Sludge Disposal

Sludge from the North and South Plants' clarifiers is pumped into the North Plant's four digesters. This sludge is then treated with polymer and dewatered by two belt filter presses. The dewatered sludge is hauled to the River Birch Landfill for disposal by a contracted hauler.

Section II- Observations

This inspection revealed the following observations:

The City of Kenner has not exceeded any permit limits within the last twenty-four months. However, the city has experienced issues with its contract laboratory, PACE Analytical, which failed to analyze the required parameters and respond in a timely manner as stipulated by the permittee. On March 3, 2024, the city switched to a new contract laboratory, EASI Lab, for the analysis of their conventional parameters.

Section III- Areas of Concerns

This inspection revealed the following areas of concerns:

- No major deficiencies were noted during the inspection.

Section IV – LIST OF APPENDICES

- Appendix A – Photos

Appendix 1

Photograph Log



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Photograph Log

Photo No. 1

Location: City of Kenner		
City: Kenner	County/Parish: Jefferson Parish	State: LA



Bar Screen



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: City of Kenner		
City: Kenner	County/Parish: Jefferson Parish	State: LA



Aeration Basin



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: City of Kenner		
City: Kenner	County/Parish: Jefferson Parish	State: LA



Aeration Basion



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: City of Kenner		
City: Kenner	County/Parish: Jefferson Parish	State: LA



Clarifier



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: City of Kenner		
City: Kenner	County/Parish: Jefferson Parish	State: LA



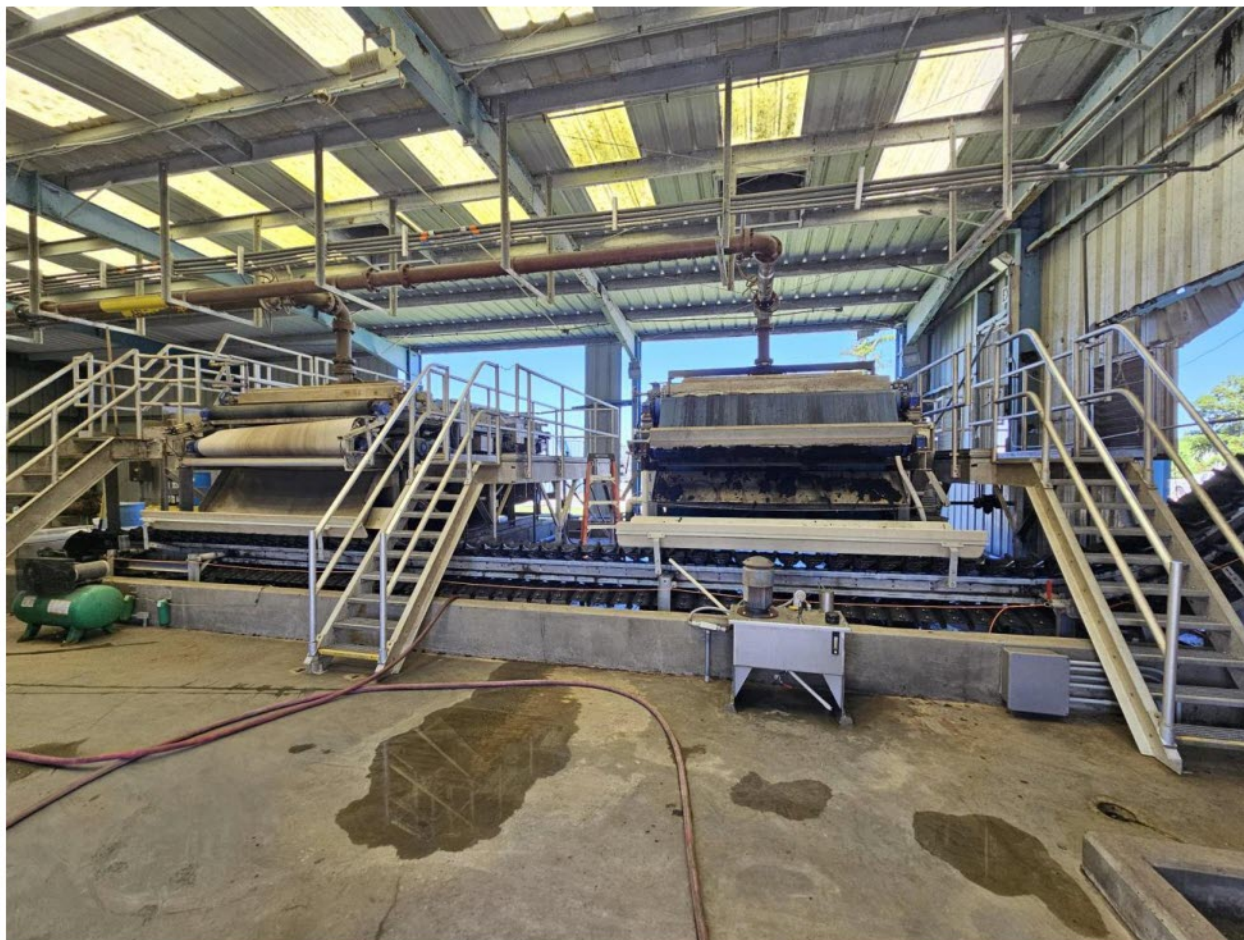
Clarifer



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Photograph Log

Photo No. 6

Location: City of Kenner		
City: Kenner	County/Parish: Jefferson Parish	State: LA



Belt presses