

La Crosse WWTP Operations Update 2026

Mississippi River up stream of the La Crosse Regional WWTP



Presented by Jared Greeno Date 07/13/2026



Agenda

1. Structure/Organization

* Who works at the WWTP

2. Compliance

- Sampling, testing, results
- Required DNR Biosolids PFAS Sampling

3. Maintenance

- Co-Gen
- Pumps and more pumps.

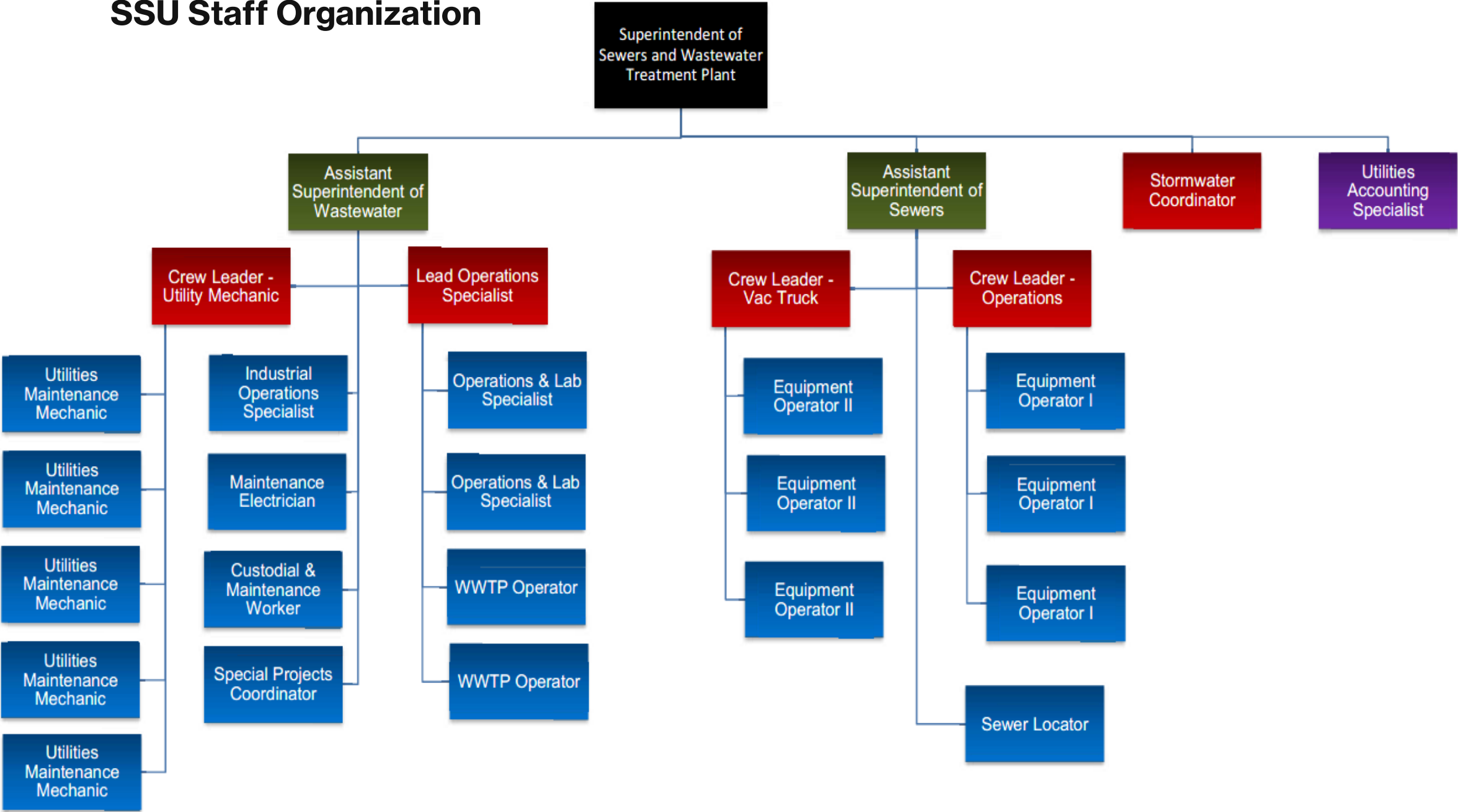
4. Collection System Maintenance

- Sanitary and Storm collection system cleaning
- Catch basin cleaning
- New methods of construction Mr. Manhole (Core and Pour)
- Catch basin replacements and adjustments.

5. GIS measure downs (GIS updates)

6. WWTP Upgrade Commemorative Plaque

SSU Staff Organization



Influent sampling for BOD, to re-rate the influent BOD limit



Effluent disc filters, meeting low level Phosphorus Removal Limit of 0.10mg/L.



Effluent Phosphorus data meeting 0.10 mg/L limit.

June 2026 Effluent P Data

Location	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
Variable	CBOD	TSS	Total P	NH3	pH	Temp	E Coli
6/1/2026	4.14	4.81	.02		7.09	20.40	20.30
6/2/2026		3.71	.08	1.55	7.28	21.00	178.50
6/3/2026	4.56	3.64	.06		7.27	21.00	.00
6/4/2026	4.36	3.50	.06		7.30	21.50	90.80
6/5/2026	3.31	8.13	.07		7.36	21.40	14.60
6/6/2026	2.75	4.86	.11		7.42	21.60	
6/7/2026	2.01	4.57	.01		7.35	21.80	
6/8/2026	2.01	4.00	.06		7.27	21.50	
6/9/2026	2.01	4.50	.01		7.34	21.40	190.00
6/10/2026	2.27	4.75	.05	0.50	7.41	22.40	52.80
6/11/2026	4.47	5.06	.06		7.44	21.60	23.80
6/12/2026	2.27	4.25	.03		7.47	21.60	
6/13/2026		2.75	.01		7.42	230.00	
6/14/2026	2.01	2.50	-.02		7.46	21.40	
6/15/2026		3.50	-.01		7.25	21.40	
6/16/2026		3.95	.03		7.29	21.00	172.30
6/17/2026	2.01	4.25	.03		7.41	21.10	250.00
6/18/2026	2.01	5.68	.08	0.47	7.40	21.30	36.40
6/19/2026	2.01	4.69	.04		7.38	21.50	65.00
6/20/2026		2.25	.10		7.42	21.80	
6/21/2026	2.01	2.96	.06	0.22	7.36	22.40	
6/22/2026		3.50	.05		7.29	21.30	
6/23/2026		6.75	.09		7.33	21.70	
6/24/2026	2.25	4.75	.05		7.56	21.90	146.70
6/25/2026		4.50	.07		7.41	21.80	
6/26/2026	2.01	4.00	.05		7.39	22.40	2.00
6/27/2026		5.75	.10		7.40	22.90	
6/28/2026	2.01	5.48	.05		7.25	23.90	
6/29/2026		5.57	.05	0.87	7.25	23.40	9.70
6/30/2026		7.50	.10		7.40	23.90	
			.05				

Effluent P Average

WPDES Permit Notice of Biosolids PFAS Monitoring 2nd Half 2026

WPDES Permit No. WI-0012345-01-0



WPDES PERMIT

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

GENERAL PERMIT TO DISCHARGE UNDER THE WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of Chapter 283, Wisconsin Statutes, any facility engaged
in

PFAS MONITORING FOR SEWAGE SLUDGE (BIOSOLIDS) GENERATORS

- 1. Permit Coverage Effective July 1, 2026.** Coverage under this general permit continues until the generator's individual permit is re-issued to include PFAS monitoring and limitations for all discharge Outfalls. Note: Sewage sludge discharges include but are not limited to: land application on department approved fields, transfer to other WPDES permitted locations (other wastewater treatment facilities, regional biosolids receiving centers, and contract haulers), disposal at incinerators, disposal at landfills, and out-of-state transfer or disposal.
- 2. PFAS Sampling.** PFAS monitoring requirements are outlined in Sections 3, 4, 5, and 6 of this WPDES general permit. Please refer to the applicable sections to determine your 2026, 2027, and subsequent year(s) monitoring requirements.
- 3. 2026 PFAS Laboratory Reports.** The 2026 PFAS sewage sludge laboratory reports shall be provided via email within 14 days of receipt to DNRWYPFASsludgeMonitoring@Wisconsin.gov and the assigned department compliance regulator for your individual WPDES permit.
- 4. 2027 and Subsequent Years' PFAS Laboratory Reports.** The permit requires all 2027 and subsequent years' monitoring data to be submitted and certified electronically on the Characteristic Report (Form 3400-49). The electronic Characteristic Report Form 3400-49 is available through the Switchboard (<https://dnr.wisconsin.gov/topic/Switchboard/>) for your individual WPDES permit.

Biosolids PFAS + PFOS Monitoring Requirement Frequency. Effective July 1st, 2026

4.1.2 Monitoring Requirements

The generator shall comply with the following monitoring requirements.

Parameter	Units	Sample Frequency	Sample Type	Notes
Solids, Total	Percent	Annual	Composite	
PFOA + PFOS	µg /kg	Annual	Calculated	Report the sum of PFOA and PFOS. Results greater than 20 µg/kg. See Section 4.4
PFAS Dry Wt.	µg/kg	Annual	Composite	See Section 7.1 for Perfluoroalkyl and Polyfluoroalkyl substances.

Generating Electricity 4 Months Continuously While Balancing HSW (High Strength Waste) For Optimal Biogas Production.



Storm pump PM work performed at Rose Storm Lift Station located (2104 Rose St.):

Prevent/Reduce Street Flooding.



Mechanics continued P.M. on Upgraded WWTP Equipment. Training New Staff.



Sanitary & Storm Sewer Cleaning.



**Storm catch basin cleaning. Storm Utility maintains 6,000 catch basins,
Our Target: Clean 1,000 Catch Basins per Year.**



Preparing For Manhole Casting Replacement and Adjustment.



New methods for construction, Core and Pour/Mr. Manhole.

* Setting Manholes to Elevation after Asphalt Goes Down on Street Rehabs.



INFASTRUCTURE REPLACEMENT:

**Removal of OLD Catch Basin Structure in
Preparation for New Catch Basin Installation**

(Sewer Construction Crew)



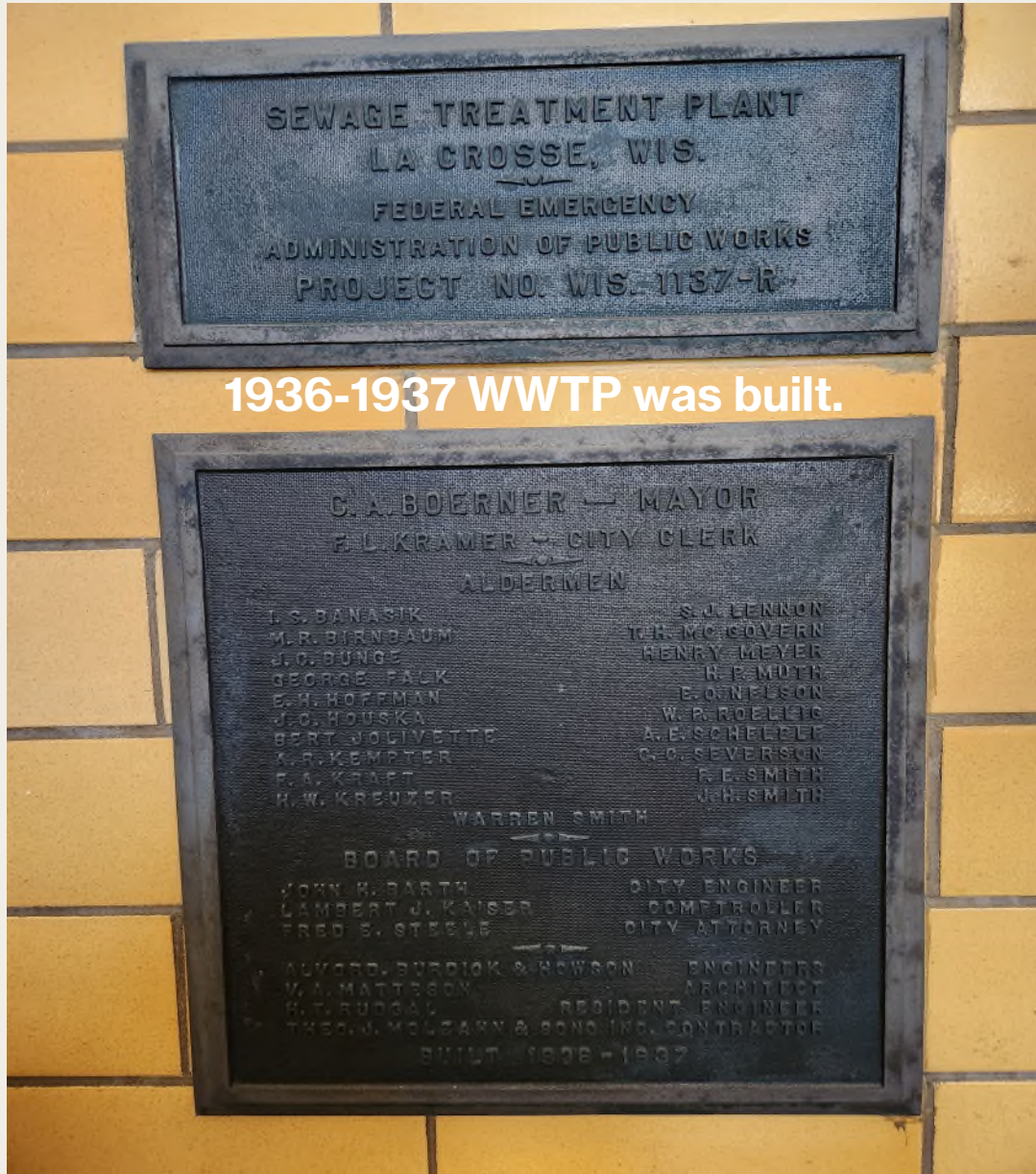
GIS Measure Downs, Depth of Sanitary and Storm (Updating GIS).



Performed 3,510 Diggers Hotline Locates to Date 2026, Locating Storm and Sanitary Utilities.



Commemorative Plaques Celebrating Project Milestones at the WWTP



1970 WWTP: Upgrade Secondary Treatment/Added Aeration.



2021-2025 WWTP Upgrade Plaque, marking a big milestone for the regional WWTP.



Conclusion, “What is it you say you DO here!” (Office Space Quote 1999)

- Treat 10MGD of Sewage.
- Serve 85,000 people.
- Regulate 12 Large Industrial Dischargers.
- Report to DNR 16 times/year, 12 DMR, 1 CMAR, 1 Air Permit Report, 2 Pretreatment Reports, and update the CMOM annually.
- Maintain a Certified Lab.
- Maintain compliance of discharge at the WWTP, and Collection system.
- Maintain 27 Sanitary Lift Stations, and 7 Storm Lift Stations.
- Maintain a recently upgraded WWTP, to include power generation, heat recovery, low level Phosphorus. compliance, enhanced anerobic digesters, HSW receiving area, and heat drying biosolids for reuse.
- Maintain 205 miles of Sanitary Sewer pipes, 4,000 Sanitary Manholes, 140 Miles of Stormwater pipes, 6,000 Stormwater catch basins, and 3,700 Stormwater manholes.
- MS4 Annual Stormwater Report.
- Account Specialist processes about 4,000 invoices/year, and 26 payroll reports submitted from about 30 timecards.
- Promote team building within our organization.
- We take pride in what we do at the La Crosse Regional WWTP, to protect the environment, promote public health.

Mississippi River down stream of the La Crosse WWTP discharge pipe, 10MGD.



Q & A