

Director of Compliance and Innovation Report

September 23, 2026

Plant Loading, CSO Report, and Director's Notes

Plant Influent Report:

Biochemical Oxygen Demand, 5-Day (Avg. 22292 lbs/day)	35 percent of design
Total Suspended Solids (Avg. 41399 lbs/day)	38 percent of design
Average Daily Flow (31.82 million gallons/day)	78 percent of design
Maximum Daily Flow (58.71 million gallons/day)	47 percent of design

Plant Influent Total Monthly Flow (million gallons) for July	1065.15
Estimated Unbilled Total Monthly Flow (million gallons)	346.76
Total Monthly Precipitation (inches)	4.92

Plant Effluent Report:

<u>Parameter</u>	<u>Report Frequency</u>	<u>Permit Limits</u>	<u>Reported Values</u>	<u>Violations</u>
CBOD ₅ , mg/L	Mo./Wk. Avg	20/40	2/2	0
TSS, mg/L	Mo./Wk. Avg	25/45	5/6	0
NH ₃ -N, mg/L	Mo. Avg/Wk. Avg/Daily Max	1.1/2.8/3.0	0.30/0.35/0.37	0
DO, mg/L	Mo. Avg/Wk. Avg/Daily Min	6.0/4.5/4.0	7.37/7.16/7.11	0
pH, S.U.	Daily Min/Max	6.0/9.0	7.76/8.44	0
Total Nickel, mg/L	Mo. Avg	0.0381	0.014	0
Cl ₂ Residual, mg/L	Daily Max	0.05	<0.011	0
Fecal Coliform CFU/100mL	Daily Max	400	105	0

CSO Report:

Location	Events	Est. Total Duration of Discharges (hrs.)	Discharge (million gallons)
Oakland Avenue (Outfall 003)	2	18.96	6.03
Lincoln Park (Outfall 004)	2	21.91	5.1
McKinley Avenue (Outfall 007)	2	14.3	10.76
Seventh Ward (Outfall 008)	3	11.7	26.04

Director's Notes:

Disinfection Season:

District operators continue to maintain close oversight of the disinfection and dechlorination processes. Operators remain focused on monitoring system performance, adjusting chemical feed rates as needed, and routinely evaluating chlorine residuals and effluent quality to ensure effective disinfection is maintained.

Land Application Program:

Metro-Ag began land application activities on September 8 and is applying approximately 1 million gallons per day. District staff continue to actively mix sludge within the Wyckles Storage Lagoons to prepare material for ongoing land application. Once additional water has been removed from the west lagoon, staff will begin transferring sludge from the west lagoon to the east lagoon to maintain an adequate supply of mixed sludge and keep pace with Metro-Ag.

Due to a combination of mechanical issues and unfavorable weather conditions, the process has experienced a slower-than-anticipated start, with operations periodically delayed or temporarily halted.

Operations, Laboratory, and Pretreatment Activity Reports – August/September 2026**Operations Activities Summary:**

Routine operational activities were carried out in accordance with established procedures and in response to plant conditions. These activities encompassed equipment operation, monitoring and adjustment, process control testing, recordkeeping, and interdepartmental coordination to ensure optimal plant performance.

1) Preventive Maintenance (PM)-

Operations staff continue to address preventive maintenance tasks as permitted by current time constraints, workload demands, and staffing levels.

2) Standard Operating Procedures (SOPs)-

Efforts to develop and refine SOPs are ongoing, with staff actively engaged in documentation and procedural improvements.

3) Blower Usage-

Blower demand was higher this month. For most of the period, three blowers were sufficient to meet operational needs. Efforts to optimize air demand are ongoing.

4) Disinfection Process-

Chlorine (Cl₂) demand has remained steady this period.

Laboratory Activities:**Routine:**

A total of 2,041 analyses were performed in the laboratory during the month of August 2026.

Monitoring of treatment plant, industrial users, and receiving stream samples for compliance purposes and process monitoring continued. Laboratory personnel continued to perform additional background nutrient monitoring to help fully characterize the nutrient loading on the plant.

Non-Routine:

- 1) The SDD laboratory continued to send samples of raw influent weekly throughout August 2026 for the Illinois Wastewater Surveillance System (IWSS). Levels of COVID, Influenza and RSV were all low or not detected in recent samples.
- 2) The SDD laboratory analyzed eighteen stormwater samples during August 2026 for the Lake Decatur Watershed monitoring study. The SDD is providing in-kind laboratory analysis of samples collected at the study's monitoring sites after significant storm events.
- 3) Keith Richard provided two facility tours during the month of August 2026 as part of our public outreach initiative.

- 4) The quarterly NPDES sampling of the influent, effluent, and sludge to Wyckles was conducted during the second week of August 2026.
- 5) Keith Richard attended the virtual quarterly meeting of the IWEA Laboratory Committee on August 27, 2026. Keith continues to serve as the Vice Chair of the committee.

Pretreatment Activities:

Pretreatment - General Activities:

- 1) Pretreatment personnel monitored 9 commercial and industrial users (IU) during August 2026. There were 0 industrial site inspections completed.
- 2) There were no industrial discharge permit issued in August 2026.
- 3) Sampling for **Tillamook** continued in August. **Tillamook** failed on one of the 3 samples run, with one sample still yet to be run.
- 4) The SDD is continuing to work on the AOC issued by the USEPA and agreed upon in January. In August, work began on a general permit template that addresses all concerns raised by the USEPA regarding IU permits.

Pretreatment Ordinance - Verbal Notices:

There was one verbal notice issued to Tillamook during August 2026:

- **Tillamook** (1 Violation)
 - FOG-T: 8/11

Pretreatment Ordinance - Warning Notices (WN):

There were no WN's issued during August 2026.

Pretreatment Ordinance - Notices of Violation (NOV):

There were no NOV's issued August 2026.

Pretreatment Ordinance - Executive Orders (EO):

There were no EO's issued during August 2026.

Pretreatment Ordinance - Penalty Assessments:

The following industrial penalties were assessed for August 2026:

- **Tillamook** - \$1,000

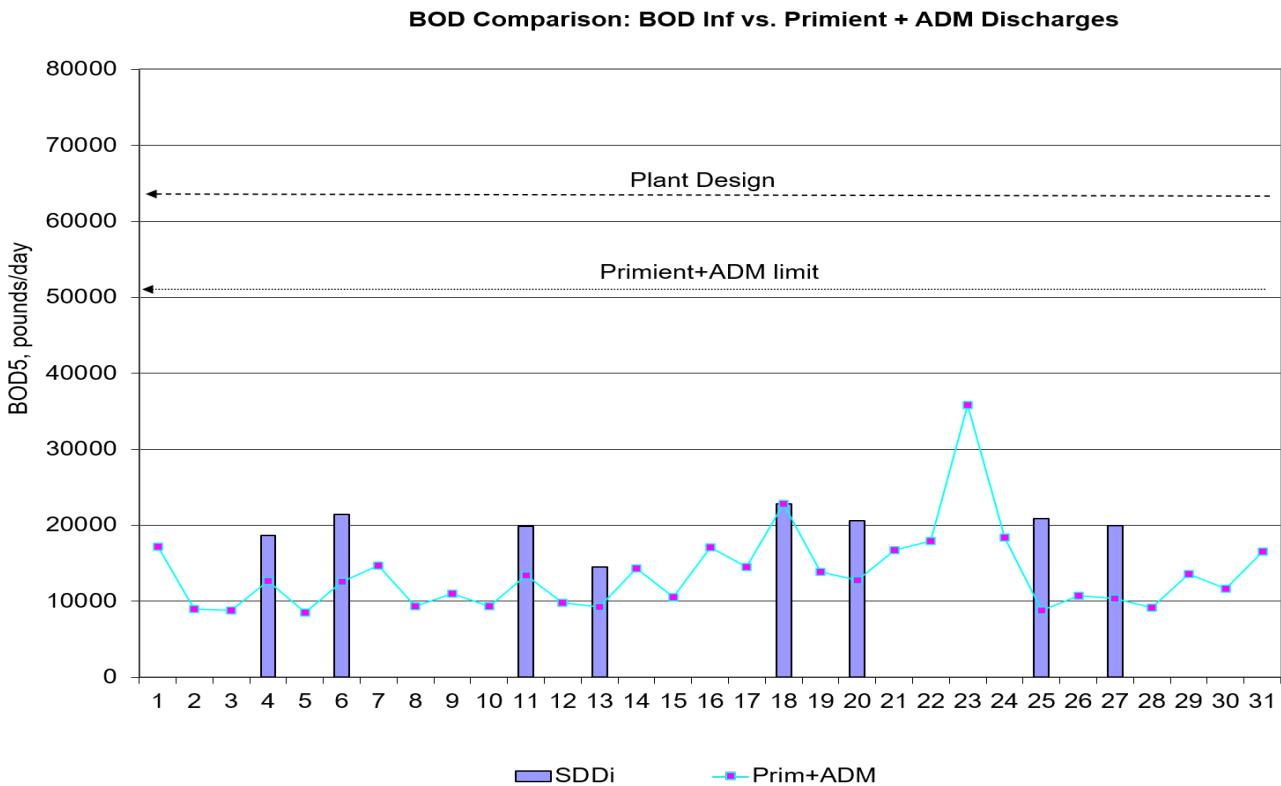
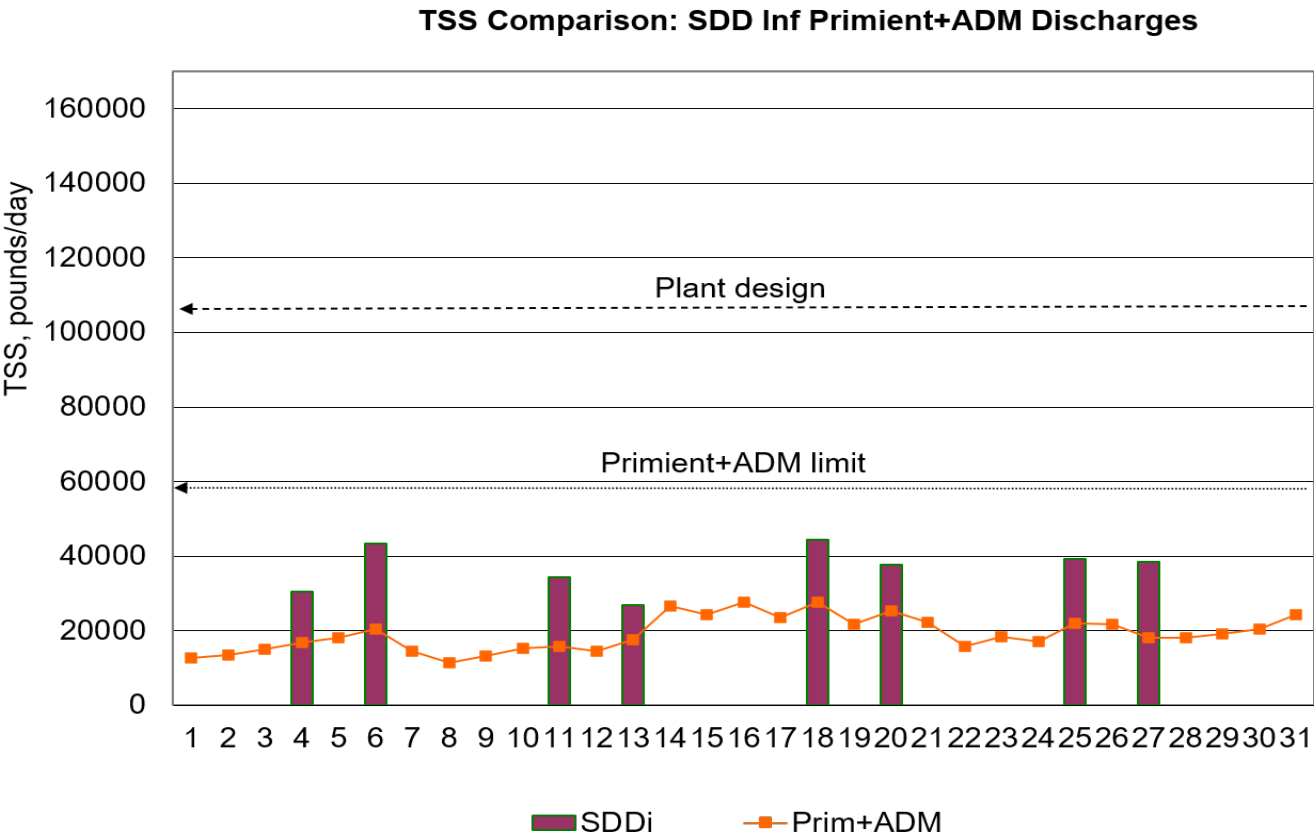
Nutrient Program Report:

NARP/Integrated Planning:

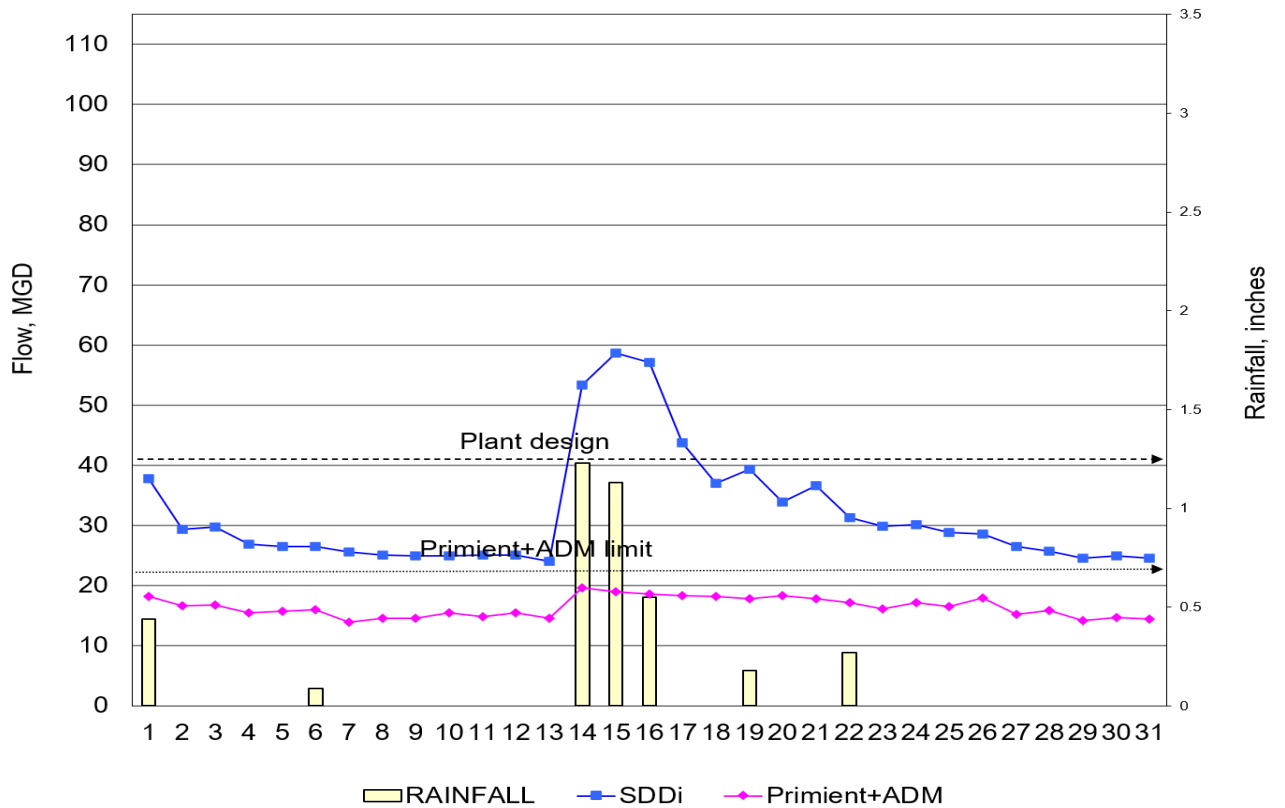
On September 8, 2026, representatives from the Sanitary District of Decatur and the City of Decatur participated in a Regional Integrated Planning (IP) meeting. With facilitation and technical assistance provided by Adrienne Nemura of Geosyntec, the group reviewed the current workplan, discussed stakeholder partnerships and coordination, and continued planning efforts to support the development of a successful Regional IP.

As part of the meeting, both the City and the Sanitary District presented their respective "project bucket" lists, identifying projects for consideration and potential inclusion in the Regional IP. These projects will be evaluated as the planning process progresses to identify opportunities for coordination, shared benefits, and alignment with regional priorities. The next Regional IP meeting is scheduled for mid-March.

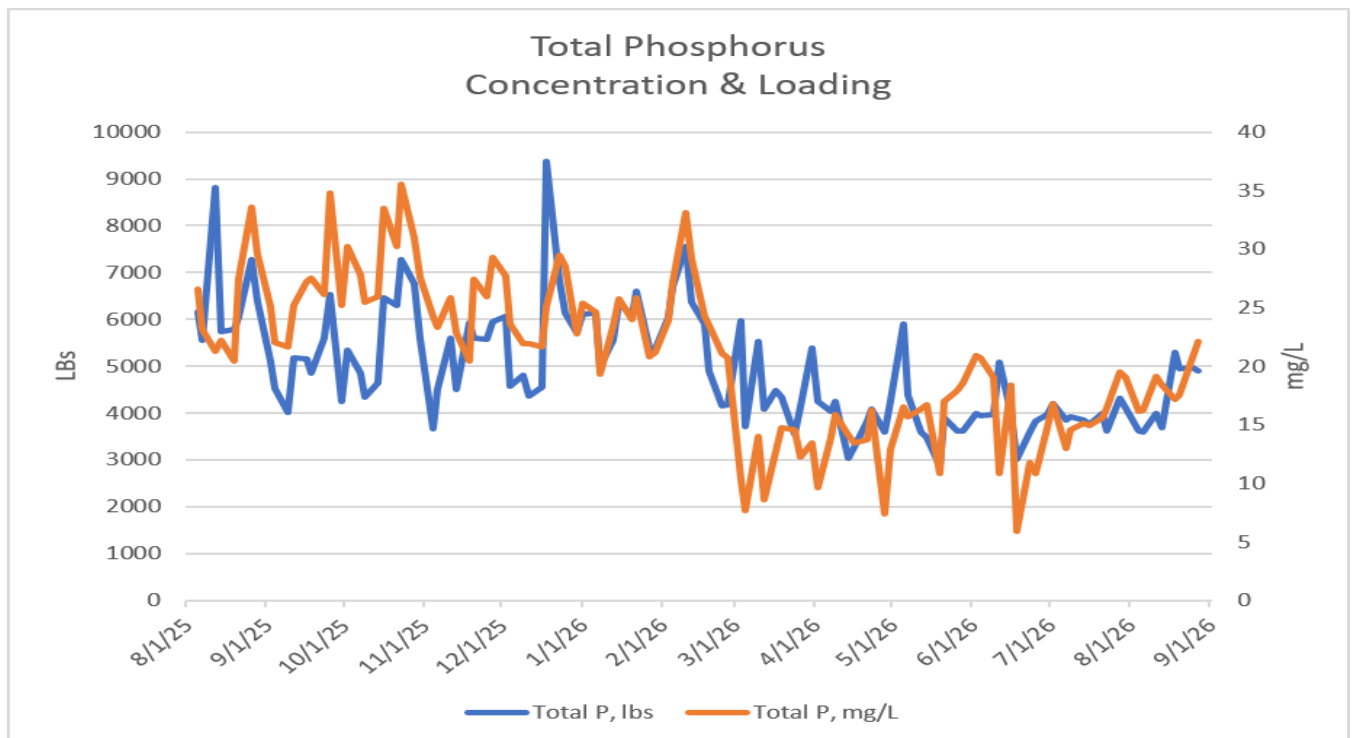
Plant Operating Graphs:



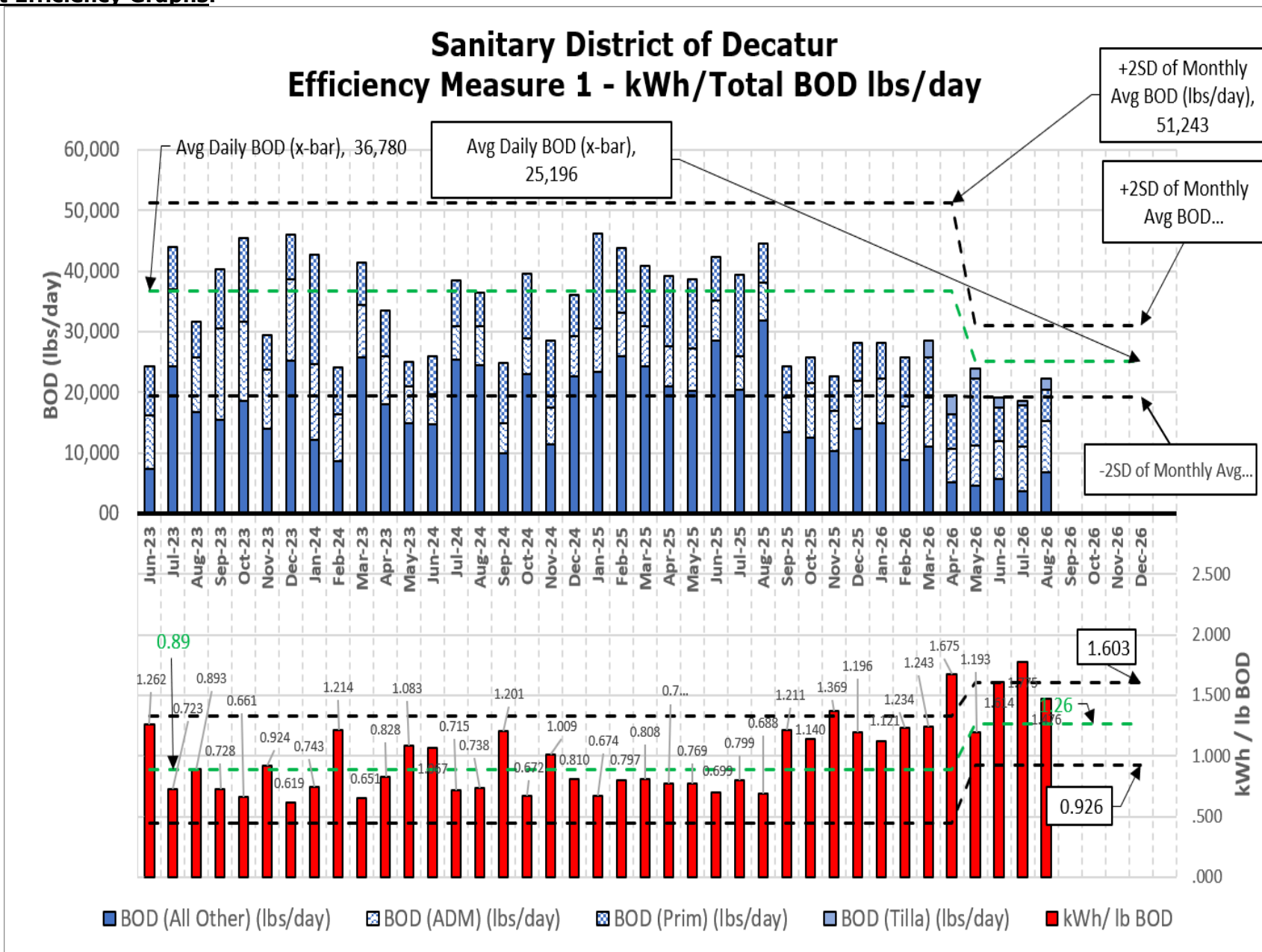
Flow Comparison: SDD vs. Primient + ADM Discharges and Rainfall



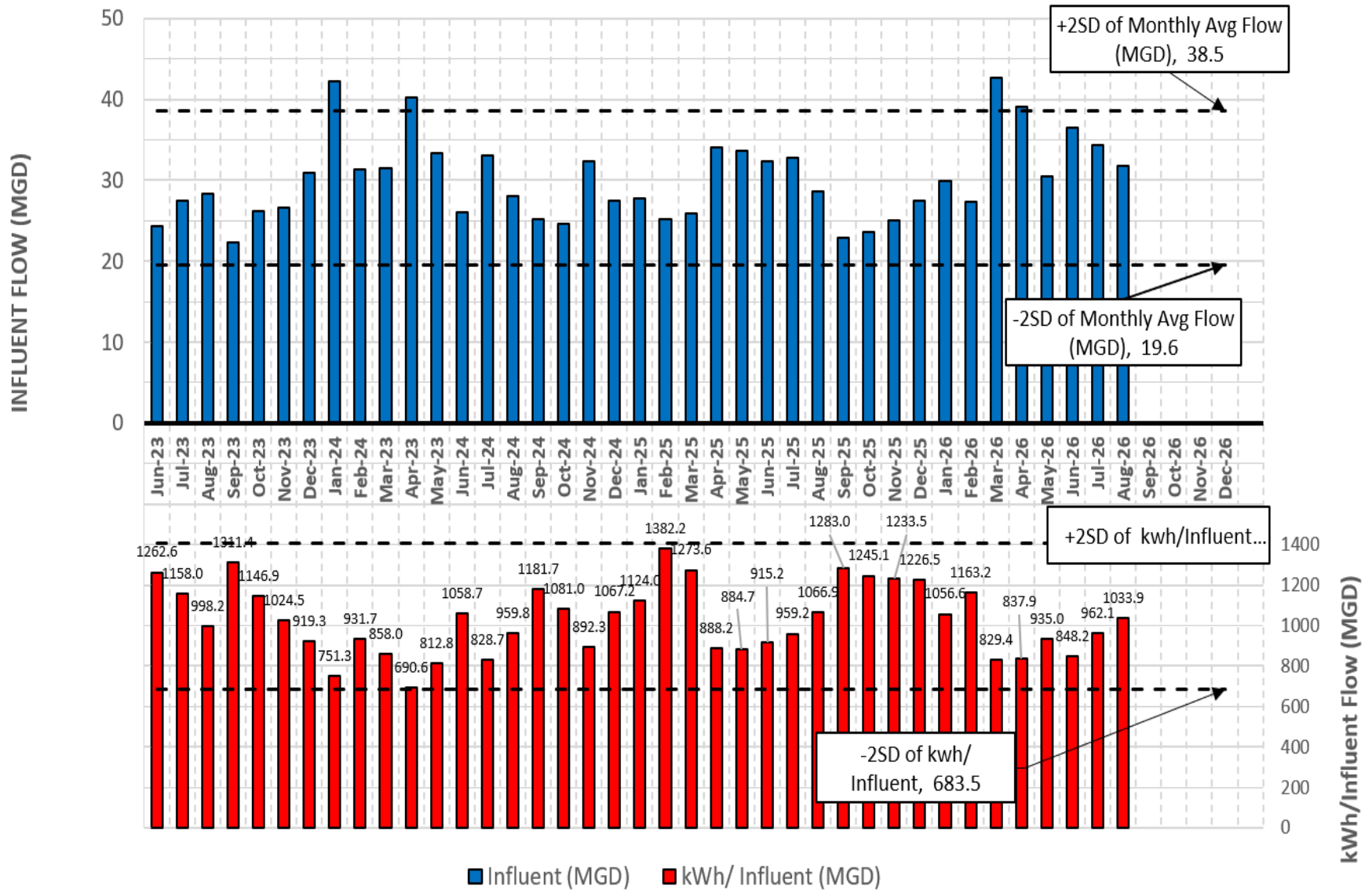
Phosphorus Tracking Graph:



Plant Efficiency Graphs:

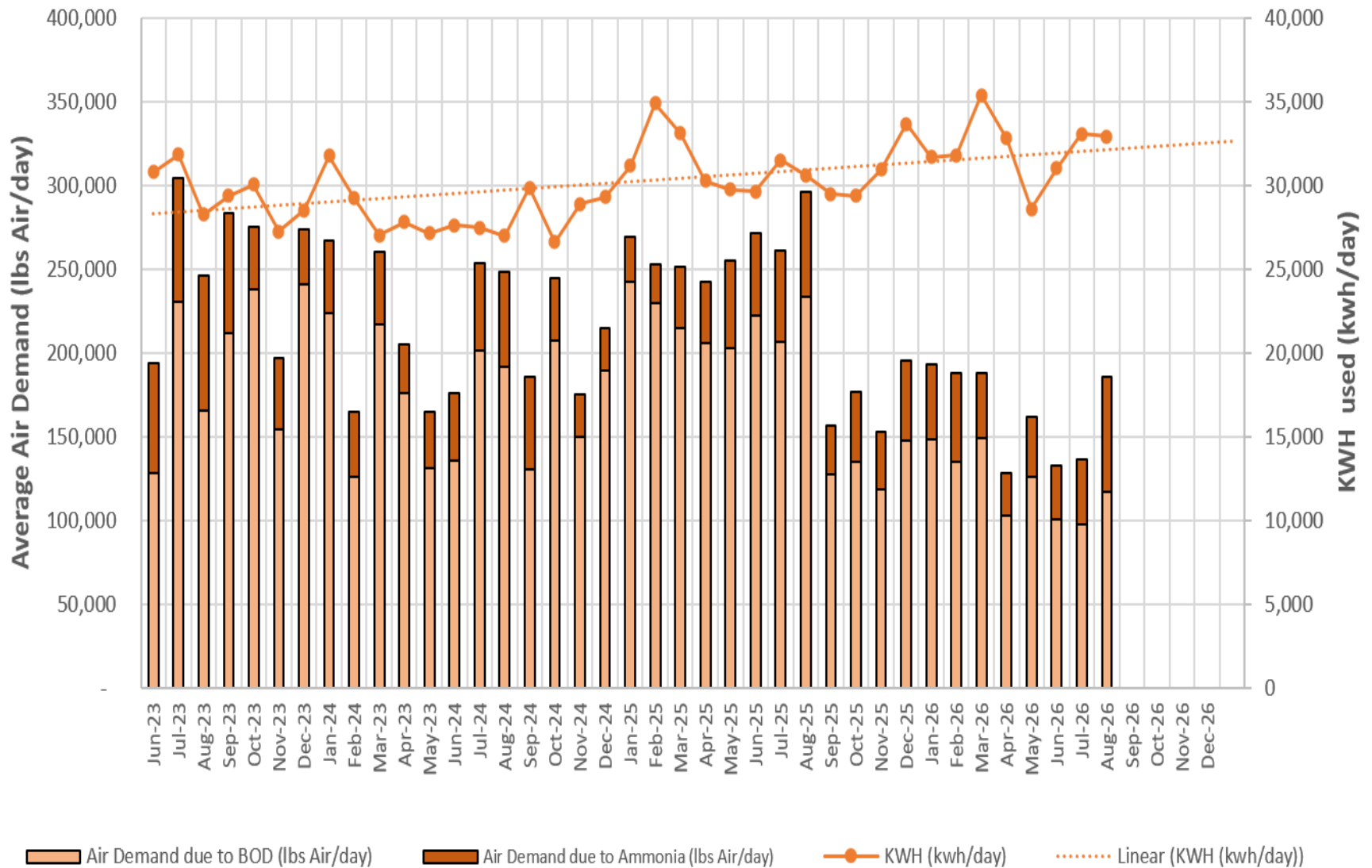


Sanitary District of Decatur Efficiency Measure 2 - kWh/Influent Flow



Sanitary District of Decatur

Avg Air Demand/day vs Avg kwh/day



Permit Effective Date	10/1/21	HIGH IMPORTANCE	Updated 9/17/26					
Approximate Expiration Date (Month)	9/30/26	Renewal app 4/3/26	Submitted 3/26/2026					
Permit Requirement	Reccurence Cycle	Repeats?	Period Covered	Permit Location	Deadline Date(s)	# Months to Comply	Date Reported	Completed
DMR Submissions	25th day / month	Yes - monthly	Previous Month	SC 6	Monthly 25th	0	9/9/26	
Fecal Coliform Testing Submission	25th day / month	Yes - monthly *	May - Oct	SC10	Monthly 25th	0	9/9/26	
Quarterly SWPPP Plant Inspection	Quarterly	Yes	Year begins each Oct	NA	3/31, 6/30, 9/30, 12/31		8/13/26	
Annual SWPPP Report	Yearly	Yes	Previous 12 months	SC19, K	9/30/Each Yr	2		
Pretreatment Annual Report	Annual	Yes	Previous Year	SC 11, B, 1, a-e	4/28/Each Yr	3	4/27/26	
Pretreatment Qrtly - DMR Tests	Annual	Yes	Calendar Year	SC 11, C, 1	1/25/Each Yr	25 days	1/9/26	
Qrtly Sludge Disposal DMR Report	Quarterly	Yes	Calendar Year	2021-SC-66254	1/25, 4/25, 7/25, 10/25	0	7/7/26	
110 Priority Pollutants Tests	Yearly	Yes	Previous Year	SC 11, C, 2, a-c	4/28/Each Yr		4/27/26	
Annual Fiscal Report	Yearly, email	Yes	Budget Year	SC 13	1/31/Each Yr	1		
Discharge 002 Reporting	Special, DMR	As required	When Discharging	SC 15, All	Special	Special		
Semi-Annual Sludge Report 1st	Semi-Annual	Yes	Jan - Jun each Yr	SC 16	7/31/Each Yr	1	7/1/26	
Semi-Annual Sludge Report 2nd	Semi-Annual	Yes	Jul - Dec each Yr	SC16	1/31/Each Yr	1		
CSO Monthly Discharge Reports	Monthly, email	Yes	Previous Month	SC17, A, 1	Monthly 25th	0	9/4/26	
CSO PPP Public Meeting	Annual	Yes	NA	SC17, C, 1	4/1 yrly	12	3/18/26	
CSO PPP Revision & Report	As needed	Yes	NA	SC17, C, 1	1 mon. from revision	1		
CSO O&M Public Meeting	Annual	Yes	NA	SC17, E, 1, h	4/1 yrly	12	3/18/26	
CSO O&M Revision & Report	As needed	Yes	NA	SC17, E, 1, h	1 mon. from revision	1		
Sewer Use Ordinance Revision & Report	As needed	Yes	NA	SC17, F, 2	1 mon. from revision	1		
CSO Long-term Control Plan (LTCP)	9mos post-notification	No	NA	SC17, G, 1, b	NA	9		
CSO LTCP Report	12mos post-notification	No	NA		NA			
NARP Progress Report	Semi-Annual	YES	Every 6 months	SC 24	3/31 & 9/30 yrly	Fixed	3/27/26	
Update CMOM	NA	As needed	NA	SC18	As needed			
SWPPP Required Review/Update	As needed	Yes	NA	SC19, B	As needed	1	5/28/26	
PDOP Annual Progress Report	Annual	Yes	Calendar Year	SC21	3/31 yrly	12	3/27/26	
Feasibility Study Reports	Semi-Annual	Yes	March & September	SC20	3/31 & 9/30 yrly	Fixed	3/27/26	
Total P 1.0 mg/L MoAvg Compliance	Final	No	96mos post eff date	SC23, F	9/30/29	Fixed		
Total P 1.0 mg/L Progress Report	Annual	Yes	Previous Year	SC23, A	12/31 yrly	0		
Plant BNR Design Completed & Report	Final	No	60mos post eff date	SC23, D	9/30/26	Fixed		
Complete Construction & Report	Final	No	90mos post eff date	SC23, E	3/31/29	Fixed		
Total P 0.5 mg/L RGM Compliance	Final	No	NA	SC22, B,1-5	12/31/35	Fixed		
Land Application Permit	5 years	No	4/29/26-3/31/31		1/31/31	Fixed		
Biosolids 503 Annual Report	Annual	Yes	Previous Year	40 CFR Part 503/SC16	2/19 yrly	12	1/21/26	
Tier II Report	Annual	Yes	Previous Year		3/1 yrly	12	1/30/26	
Nonhazardous Special Waste Annual Report	Annual	Yes	Previous Year	Title 35 Ill. 809.501	2/1 yrly	12	1/8/26	

""- scheduled but have not complete as of yet



September 8, 2026

Sanitary District of Decatur (SDD)
501 Dipper Lane
Decatur, IL 62522

Nutrient Program Manager
BV Project No. 411502

Attention: Don Miller, P.E., Director of Engineering

Subject: SDD Nutrient Program Management
Progress Update (August 8, 2026 through September 4, 2026)

Dear Mr. Miller:

This letter summarizes the work associated to the SDD Nutrient Program Management project for services from August 8, 2026 through September 4, 2026.

1. Program Management, Administration, and Coordination
 - Conducted bi-weekly program conference calls to update progress and discuss key issues.
 - Provided monthly project updates.
 - Provided ongoing management of the project including program management, preparation/monitoring of the program schedule and budget as well as program administrative duties.
2. PowerBI
 - Managed access to PowerBI and design consultants.
3. Detailed Design
 - Conducted coordination calls with design consultants on detailed design requirements and BIM/drafting requirements.
 - Continued coordination with the SDD to support the industrial pretreatment program updates.
 - Continued to coordinate with the SDD regarding concerns of potential changes to the WRRF influent loading characteristics and assisted with evaluating possible causes. Submitted to the SDD for review a draft memorandum which summarized the findings, analysis, and next steps.
 - Reviewed the 100% design drawings and specifications from the design consultants, provided review comments to the design consultants and then compiled the final "Issued for Bid" documents to be used for the project advertisement. These documents were submitted to the SDD August 26, 2026.
 - Submitted the IEPA Construction Permit for the Nutrient Improvements project on August 28, 2026.
 - Finalized a draft of the 90% opinion of probable construction costs.
 - Initiated drafts of the semi-annual reports required by the Illinois NPDES permit.

Please feel free to contact me with any questions, comments or if you need additional information.

Sincerely,

Todd Archer, P.E.
Engineering Manager, Black & Veatch

Sanitary District of Decatur
Nutrient Program Management Report

September 8, 2026

During the period of August 8, 2026 through September 4, 2026, District personnel attended meetings with members of the Black & Veatch team to affect progress in nutrient reduction planning and activities.

Black & Veatch coordinated with the SDD and the design consultants regarding their respective design package(s). Work consisted of coordination calls to discuss the design packages as shown in the following table, as well as bi-weekly coordination calls to review and discuss BIM/drafting and specification coordination. Black & Veatch reviewed the 100% design documents, drawings and specifications, for all six Design Packages and provided comments to the design consultants to incorporate for the “Issued for Bid” deliverable. The “Issued for Bid” documents were submitted to the SDD on August 26, 2026 and the IEPA construction permit was submitted to IEPA on August 28, 2026. Black & Veatch continued to coordinate with the SDD regarding concerns of potential changes to the WRRF influent loading characteristics and submitted a draft memorandum to summarize this work.

The following is a list of meetings conducted. The information provided covers the subject, date, and agenda items of each meeting. Additional information related to any of these meetings or specific agenda items can be supplied to the Board upon request including meeting minutes and documentation used during the meeting as it is all being stored as part of the permanent record.

Nutrient Reduction Program Meetings conducted from August 8, 2026 through September 4, 2026

<u>Subject</u>	<u>Date</u>	<u>Agenda Items</u>
Nutrient Program Management Bi-weekly Meetings	Meetings held on 8/12/26 and 8/26/26	<i>Objective:</i> Provide Status Update on Program Tasks • Detailed Design • Watershed Services • PowerBI
Detailed Design, Donohue, Meeting	Meetings held on 8/12/26, and 8/19/26	<i>Objective:</i> Status Update and Discuss Detailed Design • Discuss 100% Detailed Design Items • Review Schedule
Detailed Design, Clark Dietz, Meeting	No scheduled meetings held during this period.	Coordination was through email and calls.
Detailed Design, CMT, Meeting	No scheduled meetings held during this period.	Coordination was through email and calls.