

Director of Compliance and Innovation Report

October 21, 2026

Plant Loading, CSO Report, and Director's Notes

Plant Influent Report:

Biochemical Oxygen Demand, 5-Day (Avg. 22203 lbs/day)	35 percent of design
Total Suspended Solids (Avg. 35360 lbs/day)	33 percent of design
Average Daily Flow (24.65 million gallons/day)	60 percent of design
Maximum Daily Flow (33.60 million gallons/day)	27 percent of design

Plant Influent Total Monthly Flow (million gallons) for August	986.29
Estimated Unbilled Total Monthly Flow (million gallons)	302.89
Total Monthly Precipitation (inches)	3.89

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	3/3	0
TSS, mg/L	Mo./Wk. Avg	25/45	6/8	0
NH ₃ -N, mg/L	Mo. Avg/Daily Max	1.5/3.0	0.33/0.46	0
DO, mg/L	Mo. Avg/Wk. Avg/Daily Min	6.0/4.5/4.0	7.47/7.12/7.07	0
pH, S.U.	Daily Min/Max	6.0/9.0	7.74/8.29	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	68	0

CSO Report:

Location	Events	Est. Total Duration of Discharges (hrs.)	Discharge (million gallons)
Oakland Avenue (Outfall 003)	2	7.04	1.59
Lincoln Park (Outfall 004)	1	6.6	0.5
McKinley Avenue (Outfall 007)	2	4.4	1.84
Seventh Ward (Outfall 008)	2	2.1	1.34

Director's Notes:

Disinfection Season:

Although the disinfection season is coming to an end for the 2026 season, the District 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 picked up land application activities last week. District staff continue to actively mix sludge within the Wyckles Storage Lagoons and transfer sludge from the west lagoon to the east lagoon to keep pace with Metro-Ag with an adequate supply of mixed sludge.

Compliance Reporting:

In accordance with the requirements of our NPDES permit, the District submitted all required semi-annual and annual reports to the appropriate regulatory agencies. These submittals included the annual Nutrient Assessment Reduction Plan (NARP) Progress Report, the semi-annual Phosphorus Feasibility Progress Report, and the annual Stormwater Pollution Prevention Plan (SWPPP) Inspection Report.

Additionally, the District submitted comments to the U.S. Environmental Protection Agency (USEPA) regarding its *Draft Guidance for Reducing Risk from Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonic Acid (PFOS) in Biosolids and Request for Feedback*. The District's comments were submitted through the USEPA's designated public comment portal on October 2, 2026.

Operations, Laboratory, and Pretreatment Activity Reports – September/October 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 demands were high again this month due to high nitrite numbers. 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 1,771 analyses were performed in the laboratory during the month of September 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 September 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 two stormwater samples during September 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 three facility tours during the month of September 2026 as part of our public outreach initiative.
- 4) Land application of sludge started on September 8, 2026 and the SDD laboratory analyzed a sample of the sludge for each day of application.
- 5) Keith Richard attended the IWEA Executive Board and Committee Chair Meeting at the Joliet Eastside Wastewater Treatment Plant on September 18, 2026. The group meets quarterly to discuss current and upcoming activities of the IWEA and its committees. Keith continues to serve as the Second Vice President of IWEA.

Pretreatment Activities:

Pretreatment - General Activities:

- 1) Pretreatment personnel monitored 7 commercial and industrial users (IU) during September 2026. There were 0 industrial site inspections completed.
- 2) There were no industrial discharge permits issued in September 2026.
- 3) Sampling for **Tillamook** continued in September. **Tillamook** failed on 3 out of the 4 samples run. Due to repeated FOG violations, Tillamook was in SNC for the 3rd quarter.
- 4) The SDD is continuing to work on the AOC issued by the USEPA and agreed upon in January. In September, a general permit structure that will be used for all industrial user permits was submitted to the agency. The day of the board meeting, the agency issued additional comments on the permits, which led to them being removed from the consent agenda to be altered. The revised general permit has been submitted to the agency for review.

Pretreatment Ordinance - Verbal Notices:

There were nine verbal notices issued to **Tillamook**, **Fuyao**, **ADM**, and **Primient** during September 2026:

- **Tillamook** (4 Violation)
 - FOG-T Daily Maximum: 8/11
 - Slug:
- **ADM** (1 Violation)
 - pH Less than 6 for more than 45 minutes: 9/12
- **Primient** (2 violations)
 - pH less than 6 for more than 45 minutes: 9/27 and 9/30
- **Fuyao** (2 violations)
 - TSS Daily Maximum: 9/15 and 9/16

Pretreatment Ordinance - Warning Notices (WN):

There were no WN's issued during September 2026.

Pretreatment Ordinance - Notices of Violation (NOV):

There were no NOV's issued during September 2026.

Pretreatment Ordinance - Executive Orders (EO):

There were no EO's issued during September 2026.

Pretreatment Ordinance - Penalty Assessments:

The following industrial penalties were assessed for September 2026:

- **Tillamook** - \$4,000
- **ADM** - \$1,000
- **Primient** - \$2,000

Nutrient Program Report:**NARP/Integrated Planning:**

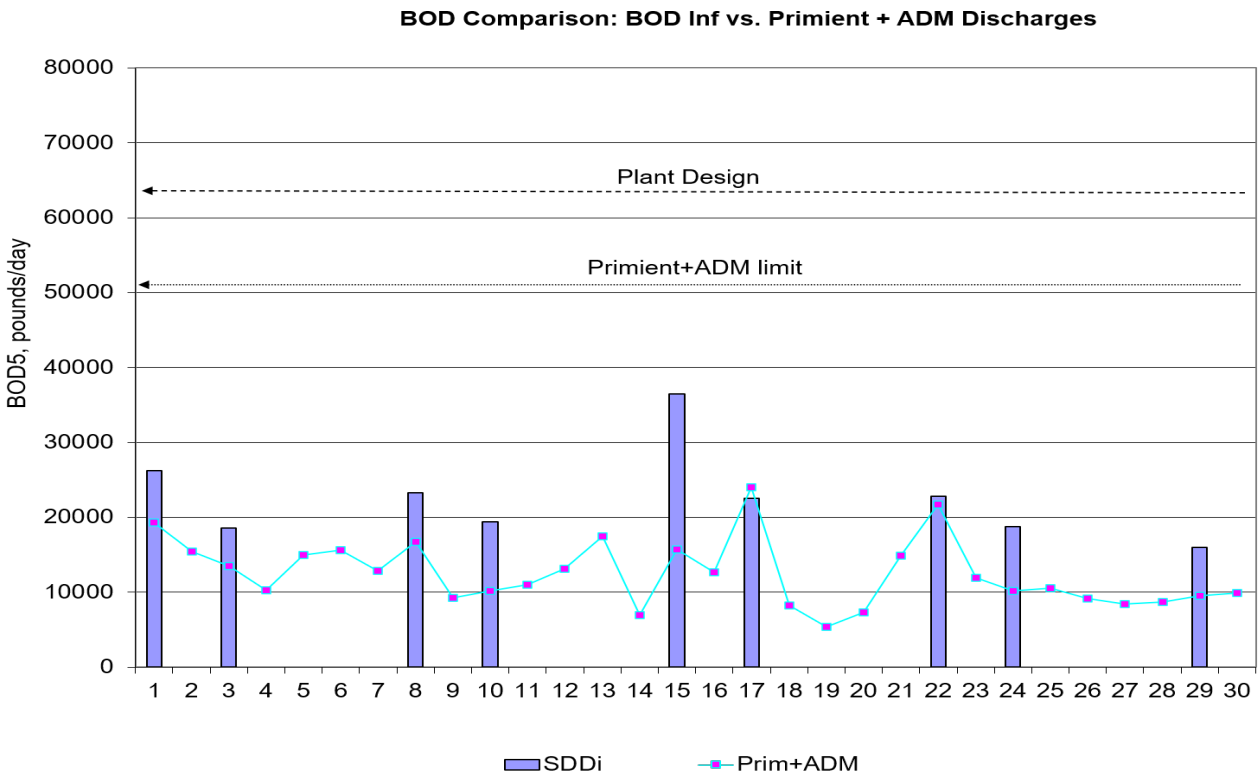
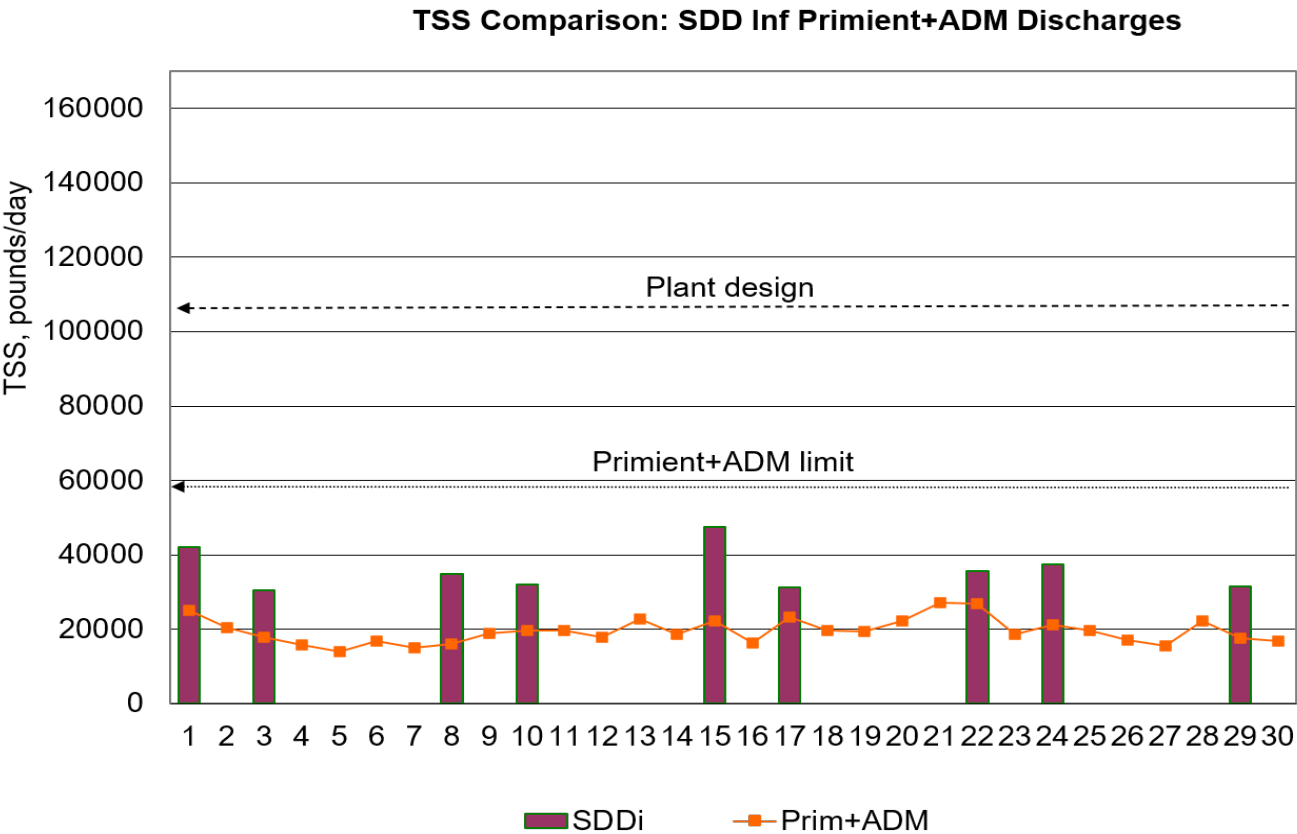
The District and the City of Decatur continue to advance the Regional Integrated Planning (IP) action items, which include documenting existing wastewater, water supply, and stormwater infrastructure challenges; identifying potential projects to address these challenges; and implementing a comprehensive stakeholder engagement process.

SDD and the City are working collaboratively to finalize a stakeholder list encompassing corporate, environmental, governmental, and community representatives. A comprehensive public engagement plan, incorporating a jointly developed and mutually agreed-upon shared brand, is anticipated to be finalized by the end of this month.

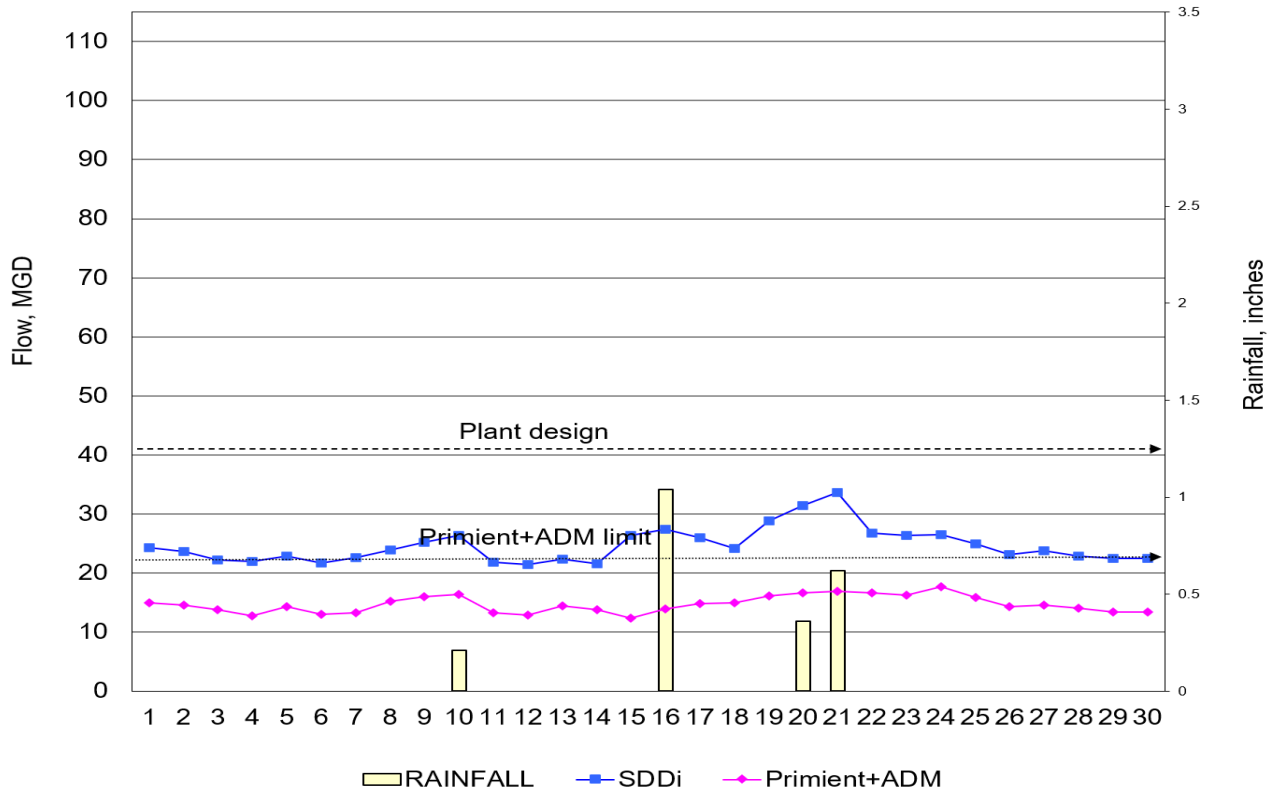
Additionally, we are working with the City to develop a Community Partnership Council to provide a forum for public input, concerns, and feedback throughout the planning process. The council will be modeled after the Metropolitan Water Reclamation District of Greater Chicago's Community Partnership Council.

Stakeholder engagement will be a critical component of the IP process, as the U.S. Environmental Protection Agency (EPA) will evaluate the planning effort to ensure that all relevant stakeholders have been identified and provided opportunities to participate.

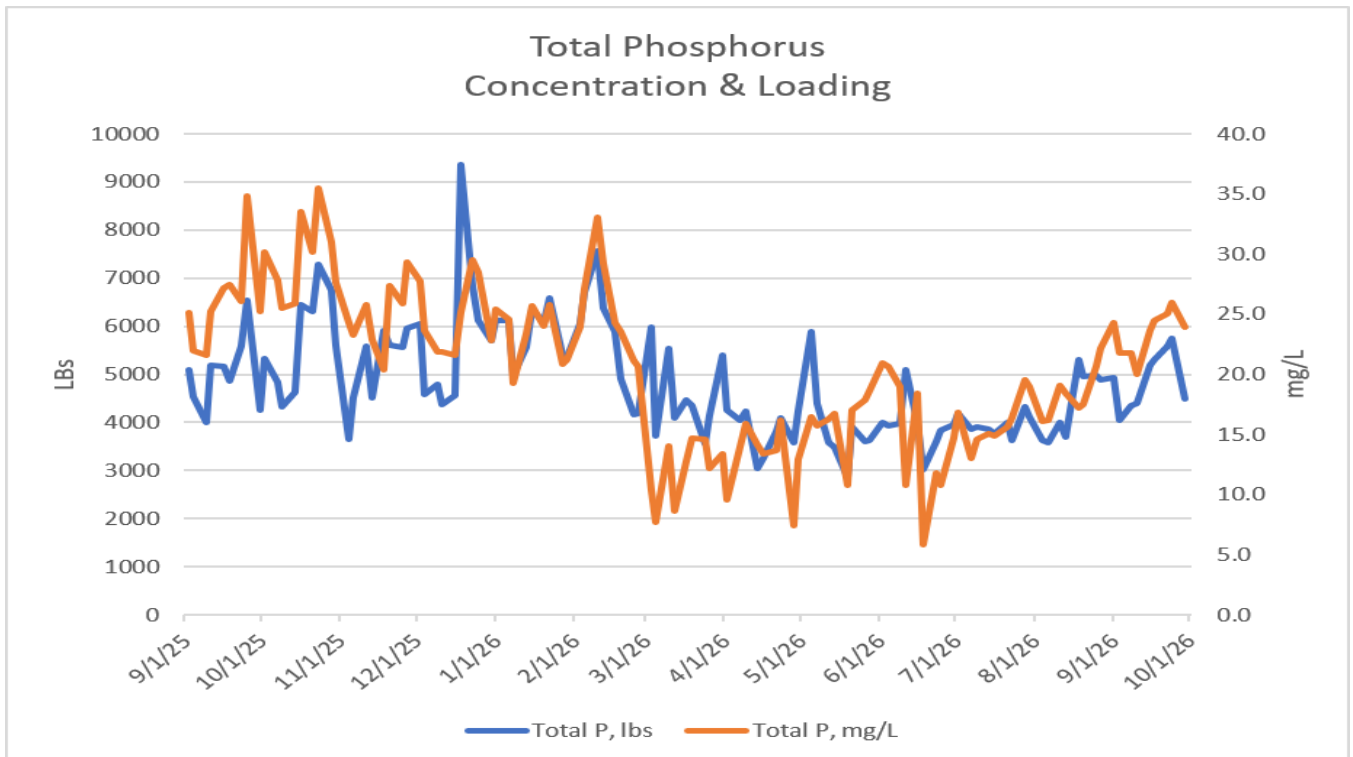
Plant Operating Graphs:



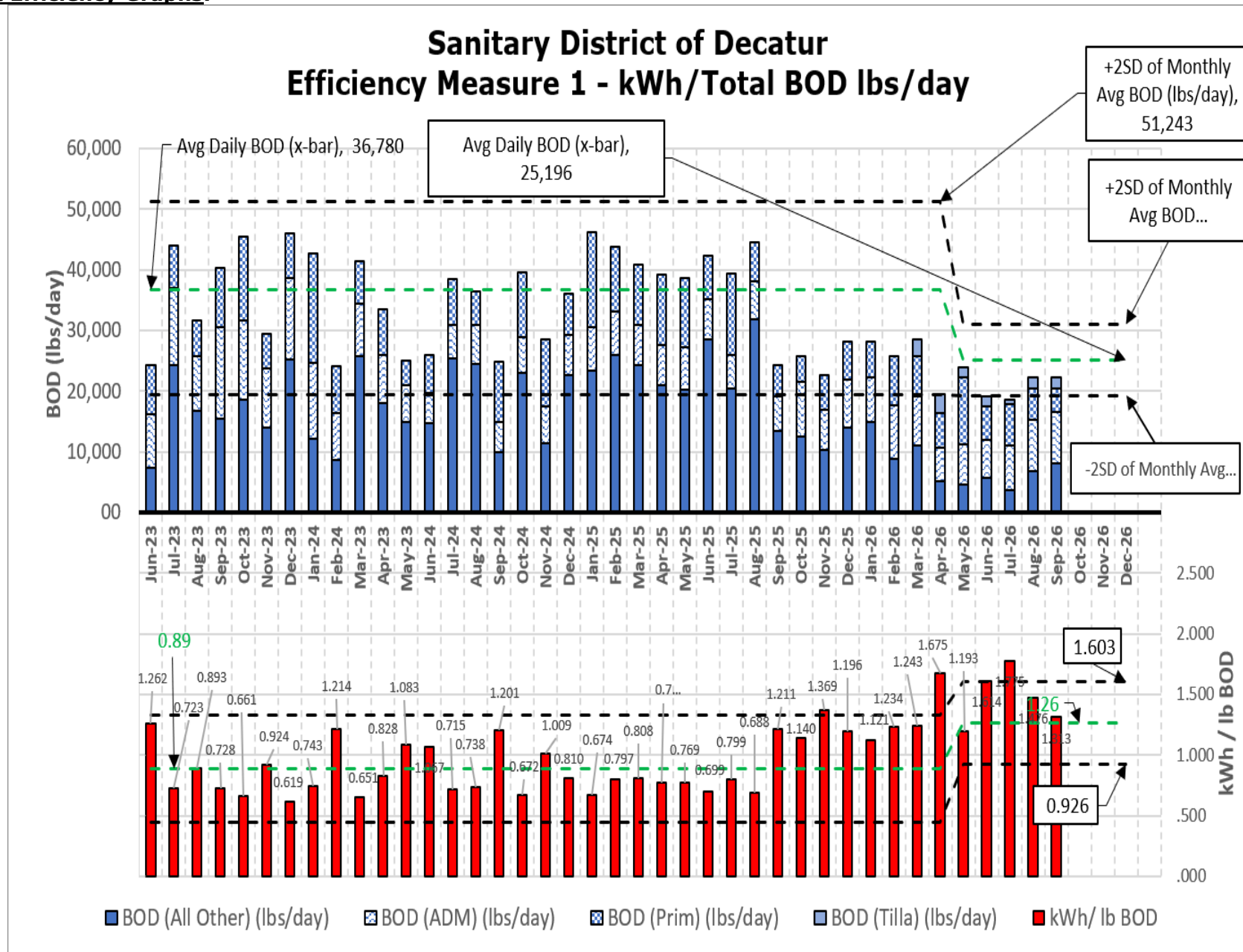
Flow Comparison: SDD vs. Primient + ADM Discharges and Rainfall



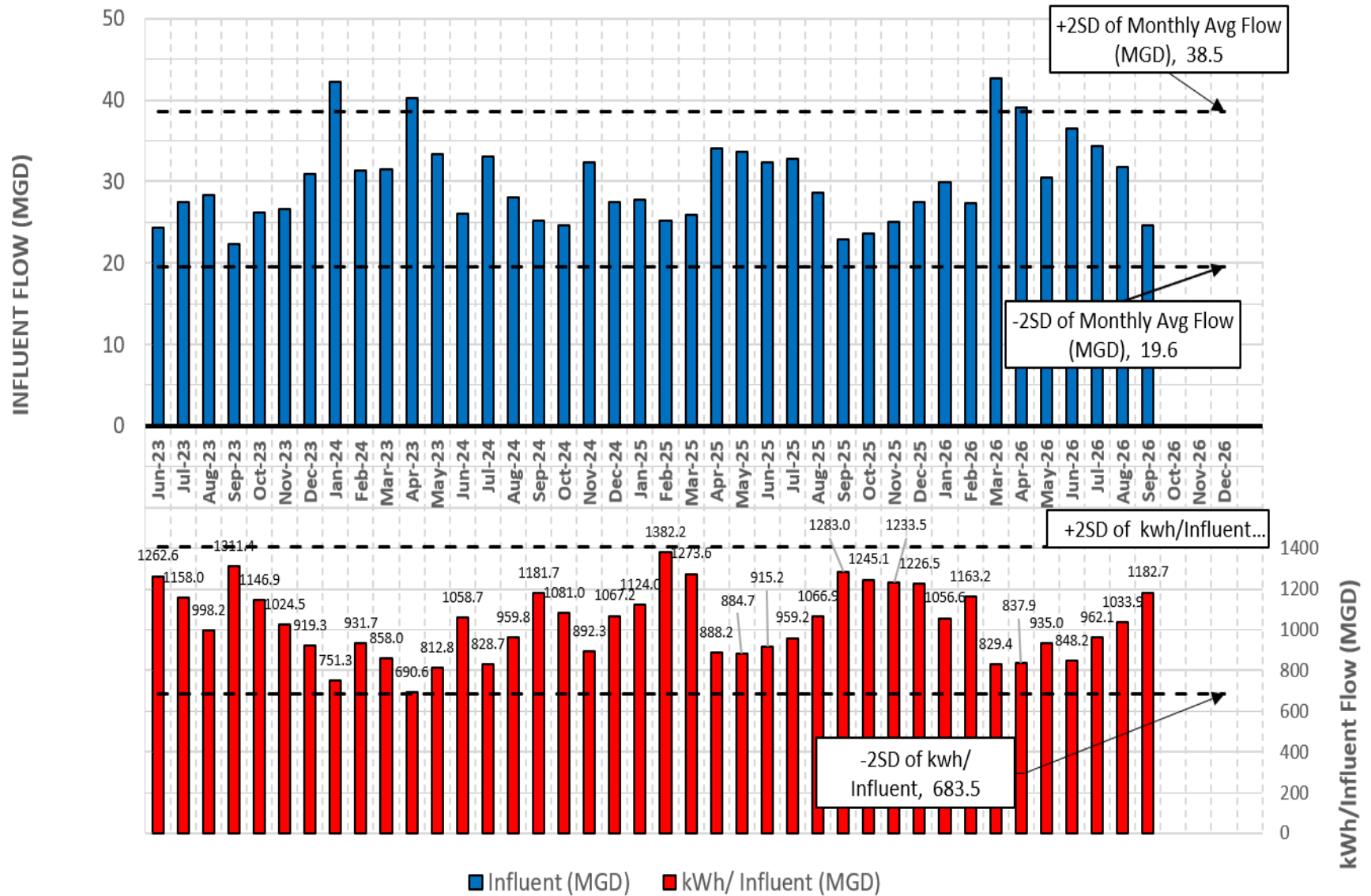
Phosphorus Tracking Graph:



Plant Efficiency Graphs:

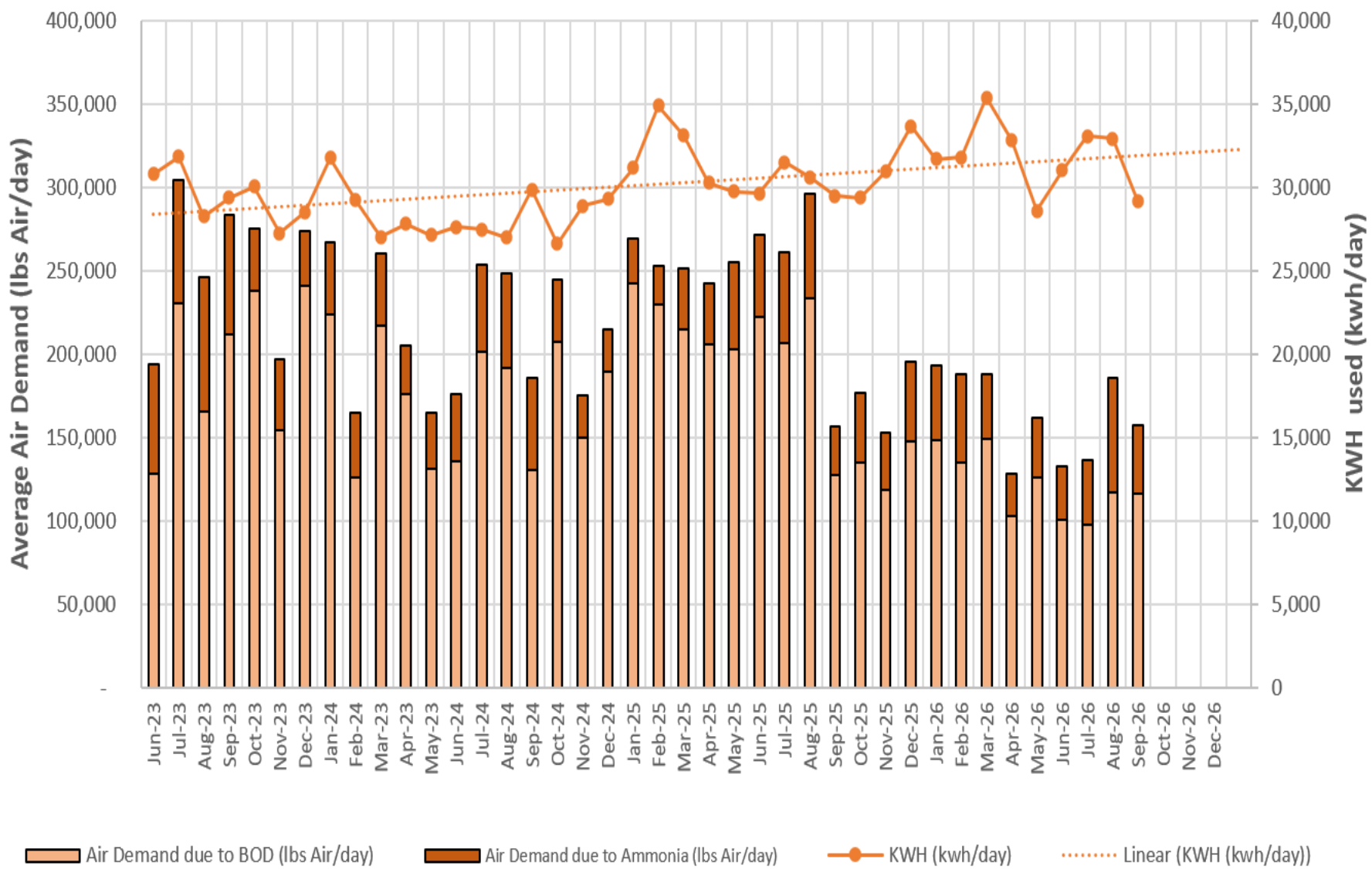


Sanitary District of Decatur Efficiency Measure 2 - kWh/Influent Flow



Sanitary District of Decatur

Avg Air Demand/day vs Avg kwh/day



Permit Effective Date	10/1/21	HIGH IMPORTANCE	Updated 10/16/26					
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	10/16/26	
Fecal Coliform Testing Submission	25th day / month	Yes - monthly *	May - Oct	SC10	Monthly 25th	0	10/16/26	
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	9/22/26	
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	10/15/26	
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	10/7/26	
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	9/18/26	
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	9/18/26	
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	9/18/26	
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



October 15, 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 (September 5, 2026 through October 2, 2026)

Dear Mr. Miller:

This letter summarizes the work associated to the SDD Nutrient Program Management project for services from September 5, 2026 through October 2, 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
 - Coordinated with design consultants on detailed design requirements and BIM/drafting requirements as necessary.
 - Continued coordination with the SDD to support the industrial pretreatment program updates.
 - Submitted to the SDD a final memorandum regarding potential changes to the WRRF influent loading characteristics which summarized the findings, analysis, and next steps.
 - Assisted the SDD to advertise the Nutrient Reduction Improvements project for bidding.
 - Developed a draft and final version of Addendum No. 1 for the project.
 - Submitted the semi-annual reports to the SDD which are required by the Illinois NPDES permit. The SDD submitted the reports to the Illinois EPA.

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

October 15, 2026

During the period of September 5, 2026 through October 2, 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 calls to discuss the design packages. Black & Veatch assisted the SDD with advertising the Nutrient Reduction Improvements project. Additionally a draft and final version of Addendum No. 1 was developed and issued to plan holders. Black & Veatch continued to coordinate with the SDD regarding concerns of potential changes to the WRRF influent loading characteristics and submitted a final memorandum to summarize this work. Black & Veatch also submitted the required semi-annual reports required by the NPDES permit.

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 September 5, 2026 through October 2, 2026

<u>Subject</u>	<u>Date</u>	<u>Agenda Items</u>
Nutrient Program Management Bi-weekly Meetings	Meetings held on 9/9/26 and 9/24/26	<i>Objective:</i> Provide Status Update on Program Tasks • Detailed Design • Watershed Services • PowerBI