

Director of Compliance and Innovation Report

July 22, 2026

Plant Loading, CSO Report, and Director's Notes

Plant Influent Report:

Biochemical Oxygen Demand, 5-Day (Avg. 19194 lbs/day) 30 percent of design
Total Suspended Solids (Avg. 32599 lbs/day) 30 percent of design
Average Daily Flow (36.53 million gallons/day) 89 percent of design
Maximum Daily Flow (85.91 million gallons/day)* 69 percent of design
*Note – The influent flow on 6/17/26 was estimated due to the power outage

Plant Influent Total Monthly Flow (million gallons) for May 947.08
Estimated Unbilled Total Monthly Flow (million gallons) 295.68
Total Monthly Precipitation (inches) 3.00

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	3/7	0
TSS, mg/L	Mo./Wk. Avg	25/45	6/12	0
NH ₃ -N, mg/L	Mo. Avg/Wk. Avg/Daily Max	1.1/2.8/3.0	0.51/1.24/2.14	0
DO, mg/L	Wk. Avg/Daily Min	6.25/5.0	6.57/5.05	0
pH, S.U.	Daily Min/Max	6.0/9.0	7.44/7.96	0
Total Nickel, mg/L	Mo. Avg	0.0381	0.012	0
Cl ₂ Residual, mg/L	Daily Max	0.05	<0.011	0
Fecal Coliform CFU/100mL	Daily Max	400	64	0

CSO Report:

Location	Events	Est. Total Duration of Discharges (hrs.)	Discharge (million gallons)
Oakland Avenue (Outfall 003)	5	24.95	8.67
Lincoln Park (Outfall 004)	4	20.5	31.1
McKinley Avenue (Outfall 007)	5	26.5	16.63
Seventh Ward (Outfall 008)	1	3.2	3.69

Director's Notes:

Updated Efficiency Graphs:

Recent trend analyses indicated a decline in biochemical oxygen demand (BOD) loading to the treatment plant while simultaneously showing an increase in the energy required for treatment. In response to these observations, the District conducted a more detailed evaluation of historical operational data and developed an enhanced performance table to improve data visualization.

The updated graphs provide a clearer representation of monthly BOD loading, including the relative contributions from industrial users and domestic wastewater sources. In addition, the graphs compare BOD loading with influent flow and facility energy consumption (kWh), allowing staff to more effectively evaluate treatment efficiency, identify operational trends, and recognize changes in plant performance over time. This enhanced analysis will help the District better understand the relationship between wastewater characteristics, hydraulic loading, and energy usage, ultimately supporting process optimization and more efficient plant operations.

Severe Storm Causing Power Outage:

On June 17th, the facility experienced an approximately 16-hour power outage due to severe storms. Backup generators at the main plant and effluent pump station functioned as designed; however, influent flows exceeded the plant's pumping capacity, causing flooding in the final clarifiers and the return activated sludge (RAS) pump station.

To prevent any unauthorized discharges to receiving streams, all stormwater pump stations were secured and remained offline throughout the event. Despite the outage, the facility maintained continuous disinfection operations.

The IEPA was made aware of the plant operations and continually notified along the way. An inspector from the Agency was on site June 18th to put eyes on the condition of the plant.

The successful response and recovery were made possible through the outstanding efforts of the I&C, Maintenance, and Operations teams. Their professionalism, coordination, and commitment enabled the facility to safely restore normal operations as quickly as possible.

IEPA Inspection:

The Illinois Environmental Protection Agency (IEPA) conducted its scheduled compliance inspection of the District on June 23rd. During the inspection, Agency personnel performed a comprehensive review of operational records, discussed compliance documentation with District staff, observed the treatment plant's final effluent, and inspected all the Combined Sewer Overflow (CSO) facilities throughout the collection system.

Overall, the inspection was successful, and Agency staff expressed appreciation for the District's efforts in responding to the significant storm event that occurred on June 17. They were pleased to observe that treatment operations had been largely restored to normal conditions and recognized the progress made toward full operational recovery following the severe weather event.

Operations, Laboratory, and Pretreatment Activity Reports – June/July 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.

4) Disinfection Process-

Chlorine (Cl₂) demand has remained steady this period.

5) Power Outage

I would like to extend my sincere appreciation to the Instrumentation & Controls (I&C) team, Maintenance staff, and Operations personnel for their dedication and teamwork in responding to this emergency and restoring the facility to normal operations as quickly and safely as possible.

Laboratory Activities:

Routine:

A total of 2,031 analyses were performed in the laboratory during the month of June 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 June 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 ICP-OES metals analysis instrument was moved from the old lab to the new lab on June 9, 2026. The lab is now fully moved into the new lab space.
- 3) The SDD laboratory analyzed thirty-three stormwater samples during June 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.
- 4) Keith Richard attended the IWEA Executive Board and Committee Chair Meeting at the Joliet Eastside Wastewater Treatment Plant on June 26, 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 8 commercial and industrial users (IU) during June 2026. There were 15 industrial site inspections completed.
- 2) There were no industrial discharge permit issued in June 2026.
- 3) Sampling for **Tillamook** continued in June. **Tillamook** continues to show improvement in controlling their BOD and TSS, as well as their FOG and Slugs. For the first time since July of 2025, there were no sampling violations. There were two slugs observed.
- 4) The SDD is continuing to work on the AOC issued by the USEPA and agreed upon in January. In June, Ordinance 26-04 was approved to modify the SDD's Enforcement Procedures. The modified

ERP was submitted to the EPA and there has been no comment from the agency since the submission.

- 5) The SDD conducted a Significant Non-Compliance (SNC) calculation at the end of June, and **Stripmasters** has been identified to be in SNC due to repeated BOD violations over the last 6 months. They were informed of this on the inspection on June 30th. Further BOD testing will be occurring in July to see if the issue has been corrected.

Pretreatment Ordinance - Verbal Notices:

SDD issued a total of 9 Verbal Notices to **Stripmasters**, **Tillamook**, and **Primient** in June 2026:

- **Tillamook (2 Violations):**
 - Slug (2) : 6/10 and 6/24
 - pH (2): 5/6, 5/7
- **Primient (5 Violations):**
 - Flow (4): 6/9, 6/10, 6/11, and 6/17
 - TSS Daily Max: 6/11
- **Stripmasters (2 Violations)**
 - BOD Daily Max (2): 6/22 and 6/23

Pretreatment Ordinance - Warning Notices (WN):

There were no WN's issued during June 2026.

Pretreatment Ordinance - Notices of Violation (NOV):

There were no NOV's issued June 2026.

Pretreatment Ordinance - Executive Orders (EO):

There were no EO's issued during June 2026.

Pretreatment Ordinance - Penalty Assessments:

The following industrial penalties were assessed for June 2026.

- **Tillamook** - \$6,000
- **Primient** - \$5,000

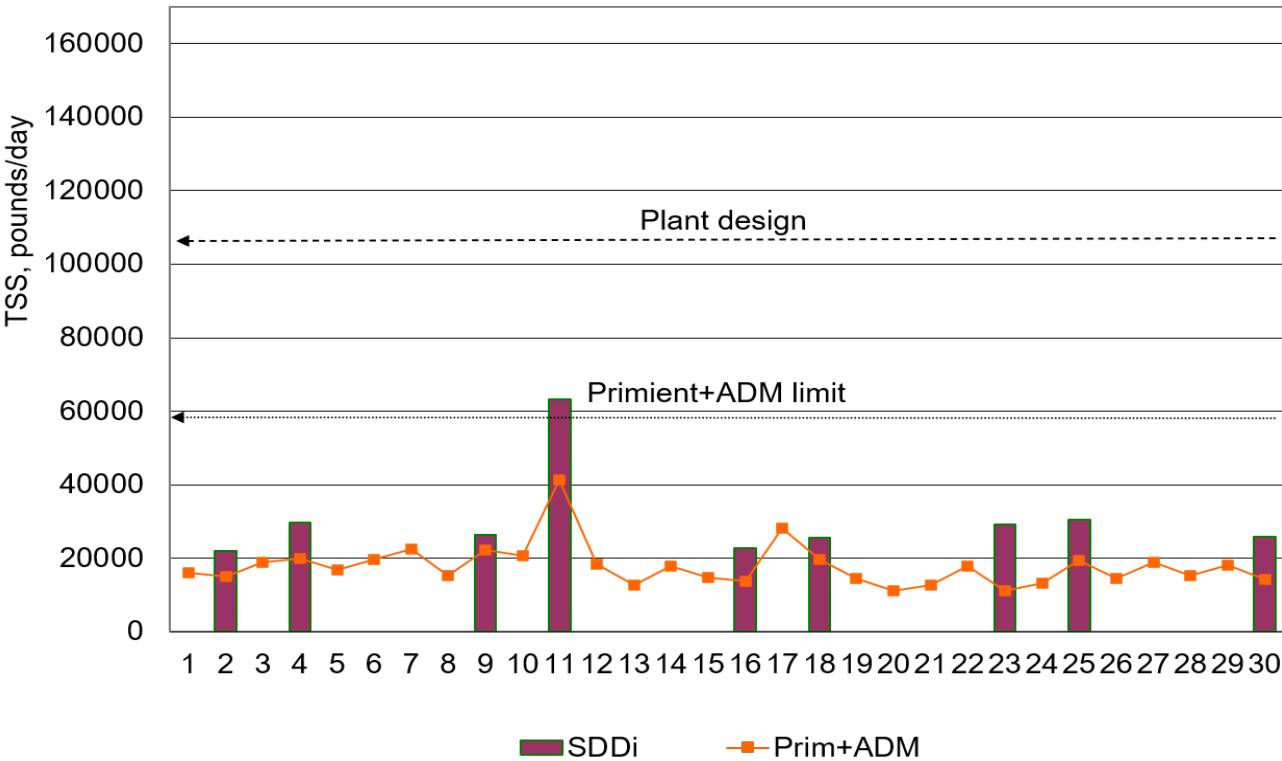
Nutrient Program Report:

NARP/Integrated Planning:

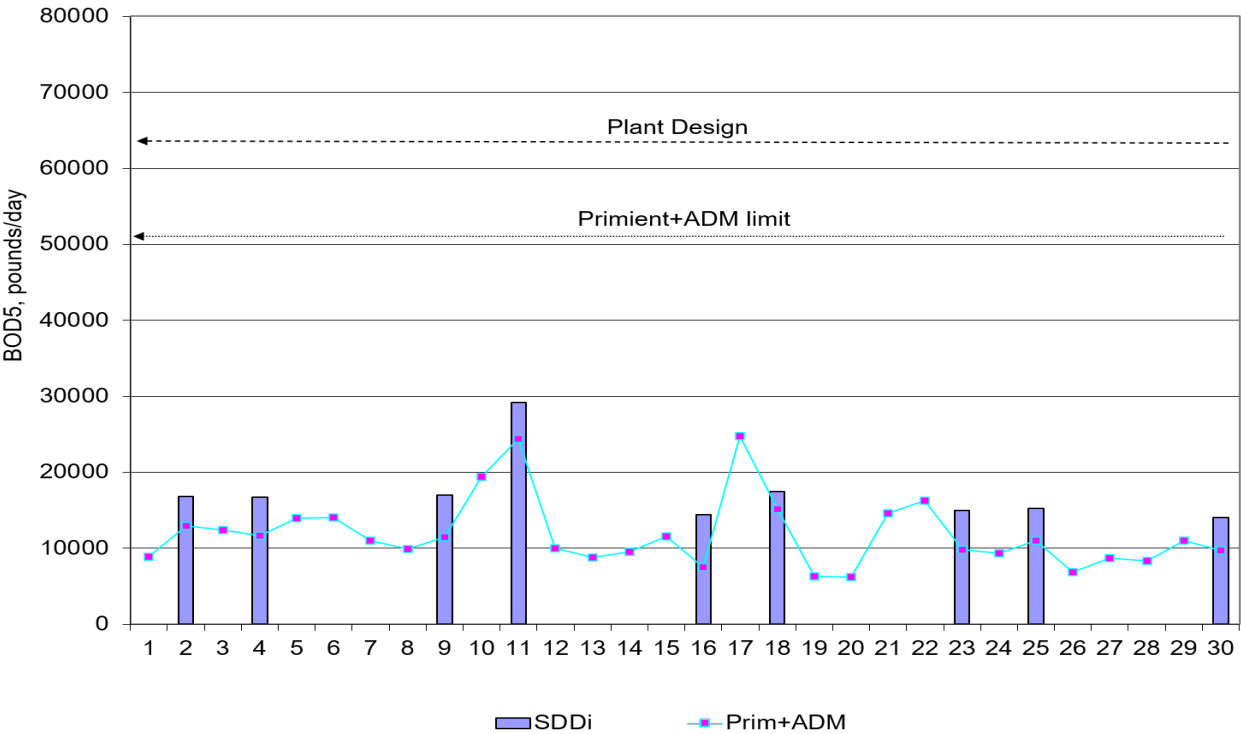
The Decatur City Council has formally approved and executed the MOU for the Integrated Plan. A meeting has been scheduled with representatives from the City and the District to review and discuss the proposed scope of work, which was developed with technical support and assistance from Geosyntec. The purpose of the meeting is to evaluate the proposed approach, ensure alignment on project objectives, and identify any necessary refinements prior to moving forward with implementation.

Plant Operating Graphs:

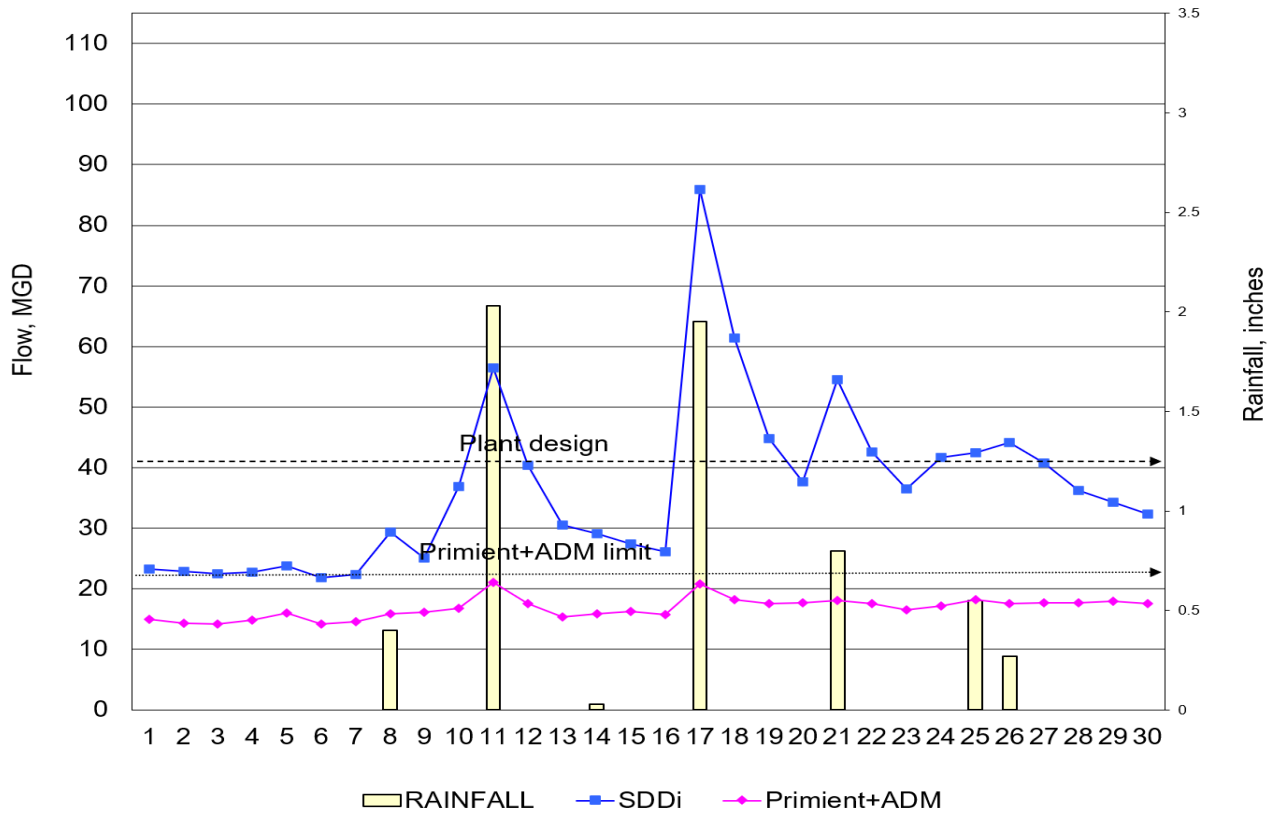
TSS Comparison: SDD Inf Primient+ADM Discharges



BOD Comparison: BOD Inf vs. Primient + ADM Discharges

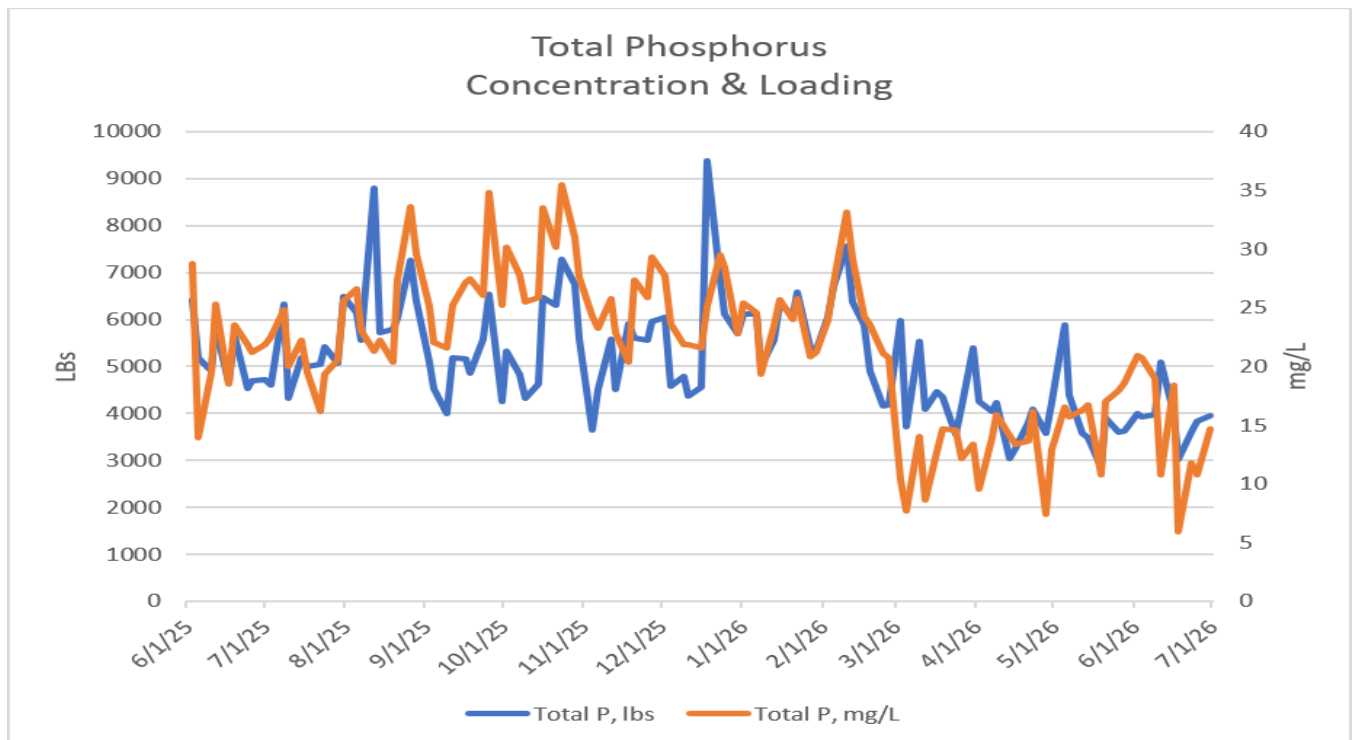


Flow Comparison: SDD vs. Primient + ADM Discharges and Rainfall



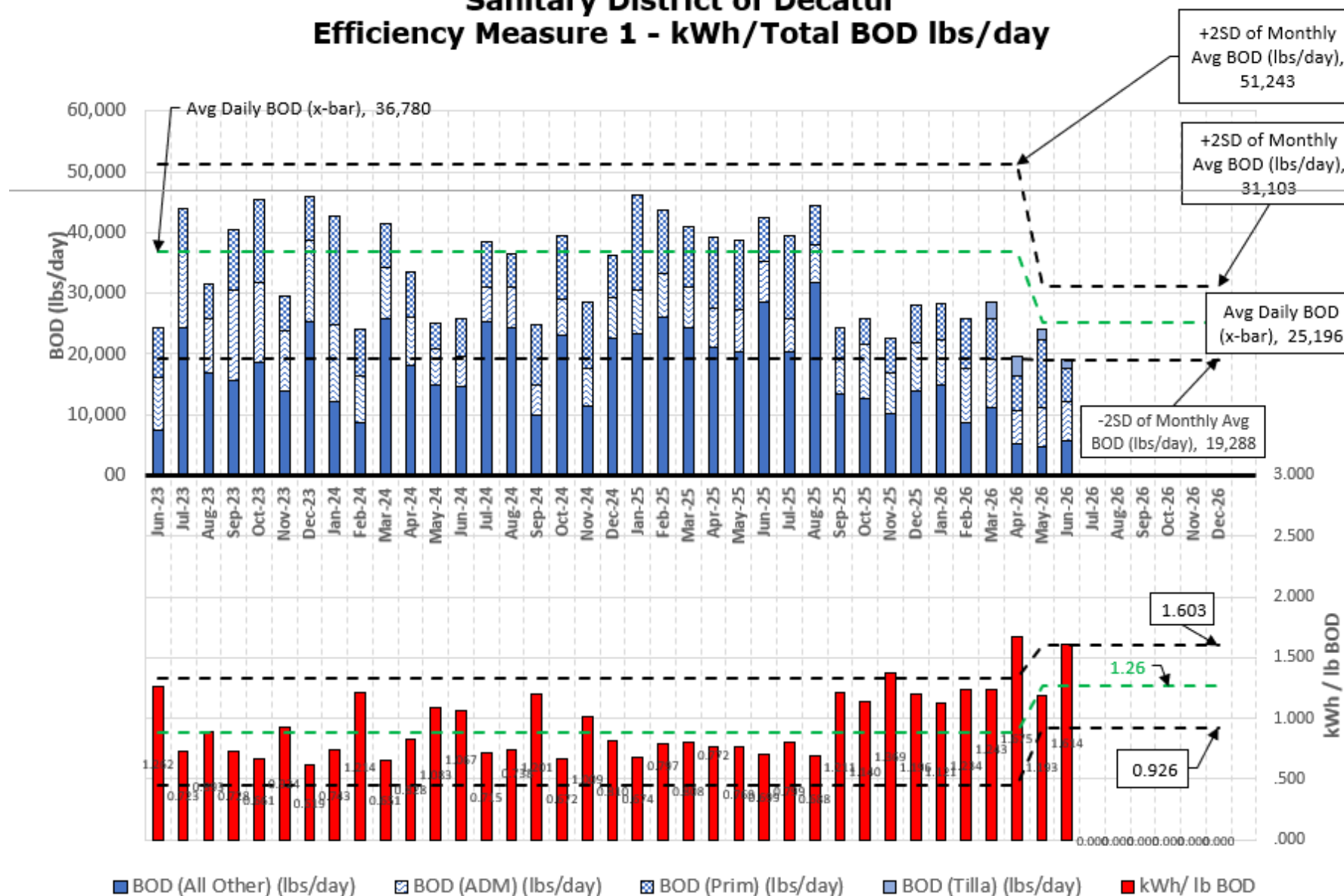
Note – The influent flow on 6/17/26 was estimated due to the power outage

Phosphorus Tracking Graph:

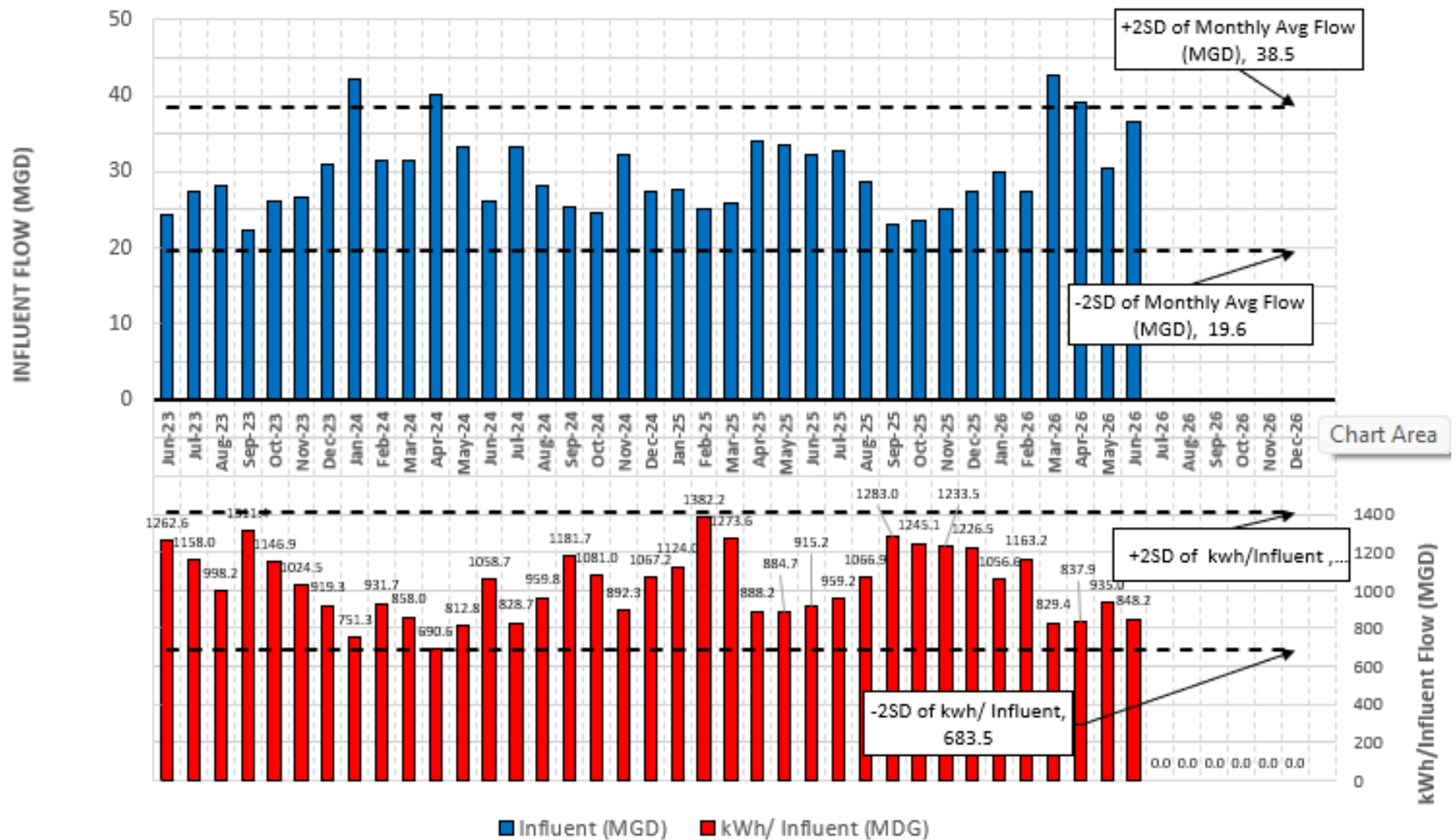


Plant Efficiency Graphs:

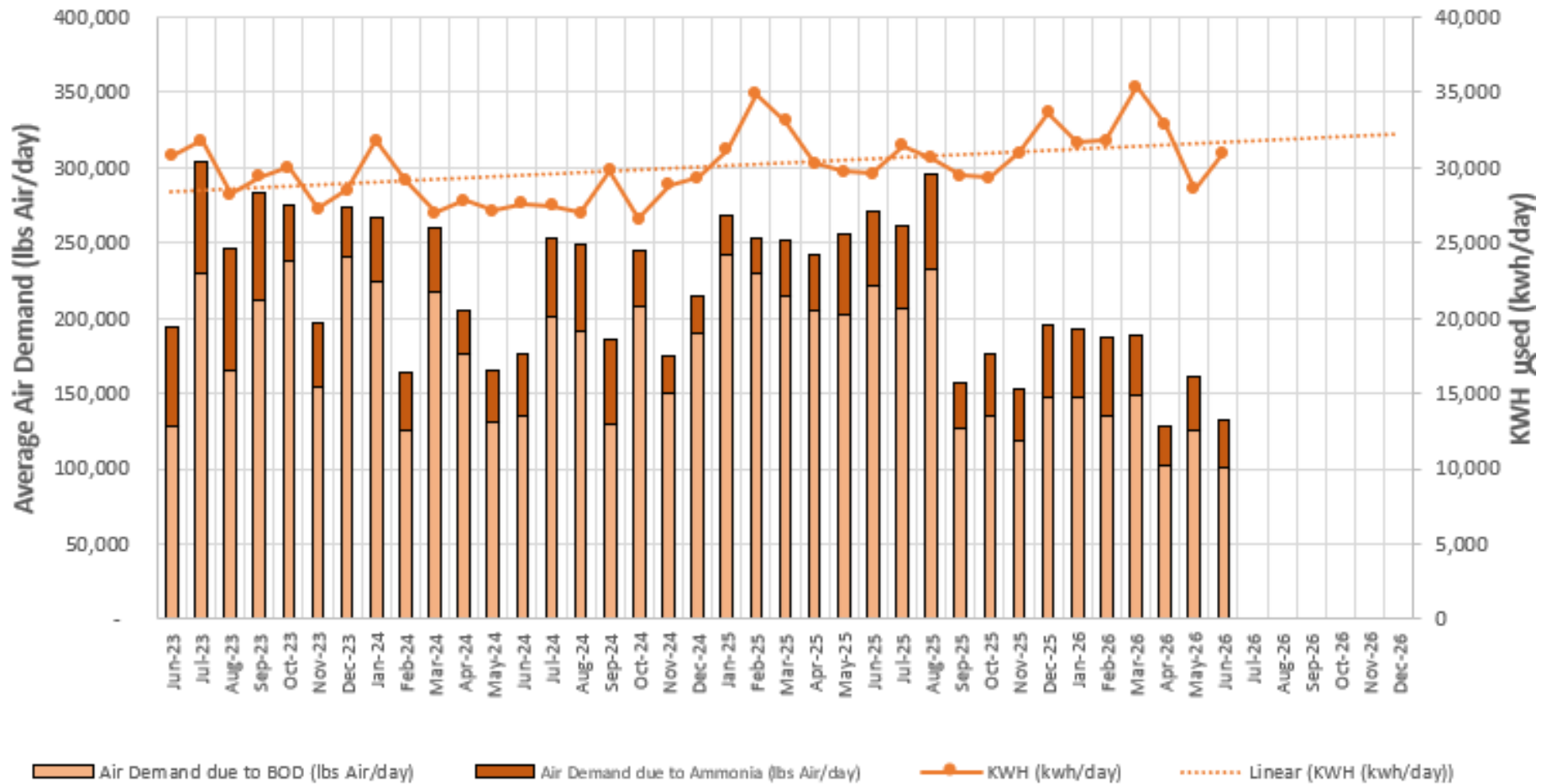
Sanitary District of Decatur Efficiency Measure 1 - kWh/Total BOD lbs/day



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	Updated7/16/26					
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	7/10/26	
Fecal Coliform Testing Submission	25th day / month	Yes - monthly *	May - Oct	SC10	Monthly 25th	0	-	
Quarterly SWPPP Plant Inspection	Quarterly	Yes	Year begins each Oct	NA	3/31, 6/30, 9/30, 12/31		5/1/26	
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	7/9/26	
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



July 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 (June 6, 2026 through July 3, 2026)

Dear Mr. Miller:

This letter summarizes the work associated to the SDD Nutrient Program Management project for services from June 6, 2026 through July 3, 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. Watershed Support Services
 - Conducted a bi-weekly progress update meeting.
 - Continued discussions with the SDD and Geosyntec regarding an amendment to continue Integrated Planning efforts, it was decided by SDD that Geosyntec would contract directly with SDD.
4. Detailed Design
 - Conducted bi-weekly calls with design consultants on detailed design requirements and BIM/drafting requirements.
 - Continued coordination with the SDD to support the industrial pretreatment program updates.
 - Coordinated with the SDD regarding concerns of potential changes to the WRRF influent loading characteristics and assisted with evaluating possible causes.
 - Submitted a draft of the front-end bid documents.
 - Continued coordination with design consultants towards a consolidated project manual, i.e. technical specifications.
 - Continued review of 90% design documents for Design Package 1, 2, 5 and 6. Started review of 95% design documents for Design Packages 3 and 4.

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

July 15, 2026

During the period of June 6, 2026 through July 3, 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 bi-weekly 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 requirements. Black & Veatch continued review of 90% design documents, drawings and specifications, for Design Package 1, 2, 5 and 6, and started review of 95% design documents for Design Packages 3 and 4. Black & Veatch also coordinated with the SDD regarding concerns of potential changes to the WRRF influent loading characteristics and assisted with evaluating possible causes.

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 June 6, 2026 through July 3, 2026

<u>Subject</u>	<u>Date</u>	<u>Agenda Items</u>
Nutrient Program Management Bi-weekly Meetings	Meetings held on 6/17/26 and 7/1/26	<i>Objective:</i> Provide Status Update on Program Tasks • Detailed Design • Watershed Services • PowerBI
Detailed Design, Donohue, Meeting	Meetings held on 6/17/26, 6/24/26, and 7/1/26	<i>Objective:</i> Status Update and Discuss Detailed Design • Discuss 90% Detailed Design Items • Review Schedule
Detailed Design, Clark Dietz, Meeting	Meetings held on 6/11/26 and 6/25/26	<i>Objective:</i> Status Update and Discuss Detailed Design • Discuss 95% Detailed Design Items • Review Schedule
Detailed Design, CMT, Meeting	No Meetings held during this period	<i>Objective:</i> Status Update and Discuss Detailed Design • Discuss 90% Detailed Design Items • Review Schedule

Sanitary District of Decatur
Watershed Management Report

July 15, 2026

During the period of June 6, 2026 through July 3, 2026, District personnel attended meetings with members of the Black & Veatch and Geosyntec team to coordinate and discuss elements essential to meet the Nutrient Assessment Reduction Plan (NARP) requirements as listed in the NPDES permit.

This month's Integrated Planning activities included reviewing the planned activities and focusing on the SDD's required input to the Integrated Plan. The SDD continued to communicate with the City of Decatur regarding management changes within the City and the City's continued involvement in the Integrated Plan, specifically the Memorandum of Understanding (MOU) between the SDD and the City. At the request of SDD, Black & Veatch and Geosyntec also discussed a contract amendment to provide services for continuation of the Integrated Planning work. It was decided that this contract will be directly between the SDD and Geosyntec.

The following is a list of the meeting(s) conducted. The information provided covers the subject, date, and agenda items of each meeting. Black & Veatch provided a written summary. Additional information related to any of these 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.

Watershed Management Meetings Conducted from June 6, 2026 through July 3, 2026

<u>Subject</u>	<u>Date</u>	<u>Agenda Items</u>
Watershed Services Bi-weekly Discussions	Meeting held on 6/10/26 and 6/24/26	<i>Objective:</i> Geosyntec discussed Integrated Planning.