

## Director of Compliance and Innovation Report

May 20, 2026

### Plant Loading, CSO Report, and Director's Notes

#### Plant Influent Report:

Biochemical Oxygen Demand, 5-Day (Avg. 19576 lbs/day)	31 percent of design
Total Suspended Solids (Avg. 28711 lbs/day)	26 percent of design
Average Daily Flow (39.12 million gallons/day)	95 percent of design
Maximum Daily Flow (75.09 million gallons/day)	60 percent of design

Plant Influent Total Monthly Flow (million gallons) for March	1322.15
Estimated Unbilled Total Monthly Flow (million gallons)	613.88
Total Monthly Precipitation (inches)	8.79

#### Plant Effluent Report:

Parameter	Report Frequency	Permit Limits	Reported Values	Violations
CBOD <sub>5</sub> , mg/L	Mo./Wk. Avg	20/40	2/2	0
TSS, mg/L	Mo./Wk. Avg	25/45	5/6	0
NH <sub>3</sub> -N, mg/L	Mo. Avg/Daily Max	1.5/3.0	0.13/0.17	0
DO, mg/L	Mo. Avg/Wk. Avg/Daily Min	6.25/5.0	7.62/7.37	0
pH, S.U.	Daily Min/Max	6.0/9.0	7.63/8.31	0
Total Nickel, mg/L	Mo. Avg	0.0381	0.011	0
Cl <sub>2</sub> Residual, mg/L	Daily Max	0.05	NA	0
Fecal Coliform CFU/100mL	Daily Max	400	NA	0

#### CSO Report:

Location	Events	Est. Total Duration of Discharges (hrs.)	Discharge (million gallons)
Oakland Avenue (Outfall 003)	4	30.95	26.72
Lincoln Park (Outfall 004)	3	8.37	12.2
McKinley Avenue (Outfall 007)	4	25.2	10.82
Seventh Ward (Outfall 008)	3	24.4	36.59

#### Director's Notes:

##### **Compliance:**

The District was issued a renewed Land Application of Sewage Sludge Permit by the Agency on April 29, 2026. The previous permit was scheduled to expire on May 31, 2026; accordingly, a renewal application was submitted on February 16, 2026. The newly issued permit includes no significant changes and authorizes continued operations through March 31, 2031.

Austin Gruber successfully completed the electronic submission of the 2025 Pretreatment Annual Report. This marked the first year the report was submitted electronically and required the detailed entry of permit and compliance data for all 28 industrial users. While the initial setup process was time-intensive, maintaining the information within the database is expected to significantly improve efficiency and streamline future annual reporting efforts.

**2026 Disinfection Season:**

On May 1, 2026, chlorine disinfection and dechlorination operations commenced in accordance with the requirements of the SDD’s NPDES permit. Fecal coliform levels and chlorine residuals will be closely monitored to ensure compliance through October 31, 2026.

**New Operator:**

Tate Brandenburg has been selected for the operator position. He is a welcomed addition to the operations team.

**Operations, Laboratory, and Pretreatment Activity Reports – April/May 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) Digester Pumping Alternatives-  
Operations and Maintenance personnel have been evaluating alternative methods for transferring material from Primary Digester #2 to the Secondary Digester due to recurring pump blockages.
- 2) Preventive Maintenance (PM)-  
Operations staff continue to address preventive maintenance tasks as permitted by current time constraints, workload demands, and staffing levels.
- 3) Standard Operating Procedures (SOPs)-  
Efforts to develop and refine SOPs are ongoing, with staff actively engaged in documentation and procedural improvements.
- 4) Blower Usage-  
Blower demand was lower this month. For most of the period, two blowers were sufficient to meet operational needs.
- 5) Disinfection Process-  
Disinfection started May 1.
- 6) New Operator-  
Tate Brandenburg began training May 4.

**Laboratory Activities:**

**Routine:**

A total of 1,858 analyses were performed in the laboratory during the month of April 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 April 2026 for the Illinois Wastewater Surveillance System (IWSS). Levels of COVID, Influenza and RSV were all low in recent samples, except for a spike in RSV on April 13.
- 2) Keith Richard and Ashley Bailey attended the quarterly meeting of the Heart of the Sangamon River Ecosystem Partnership in Monticello on April 9, 2026. The partnership is a consortium of local governmental agencies and non-governmental organizations that are working together to ensure the continued well-being of the Upper Sangamon River watershed. Keith serves as the Vice Chair of the organization.
- 3) The quarterly sampling of the groundwater monitoring wells was conducted at the South Sludge Lagoons and Wyckles Lagoons during the second full week of April 2026.
- 4) Keith Richard provided a District tour for a microbiology class from Millikin University on April 22, 2026.
- 5) Jennifer Brand and Tishia Greve attended a webinar hosted by SEAL Analytical on April 23, 2026. The topic of the webinar was the software updates for our discrete analyzer. The discrete analyzer is used for nutrients and anions analysis.
- 6) Keith Richard and Ashley Bailey served as poster judges for the Millikin University "Celebrations of Scholarship and Poster Symposium" on April 24, 2026. The poster symposium was an opportunity for students to present the research projects they had worked on during the academic year.
- 7) The SDD Laboratory was moved from the old Administration Building to the new AWC on April 30, 2026. The move went very smoothly, and all the test methods are working well in the new lab.

**Pretreatment Activities:**

**Pretreatment - General Activities:**

- 1) Pretreatment personnel monitored 7 commercial and industrial users (IU) during April 2026. There were 0 industrial site inspections completed.
- 2) There were no industrial discharge permits issued in April 2026.
- 3) Sampling for **Tillamook** continued in April. Following **Tillamook's** submission of their flow data for March, there were 2 FOG-T mass violations. There was also a pH violation resulting from a high pH. **Tillamook** improved their slug management in April, as there were only 3 slugs. pH continues to be an issue for **Tillamook**, and they are currently working on establishing the correct concentrations for their tank cleaning. They were able to better control slugs from their facility, as there were only 3 for the month of April.
- 4) The SDD is continuing to work on the AOC issued by the USEPA and agreed upon in January. The recalculated limits for ADM were submitted to the agency in April and are assumed to be acceptable as SDD personnel have not heard back from the agency.

5) As per USEPA requirements, Significant Non-Compliance (SNC) was calculated on April 1<sup>st</sup> for Q1 of the pretreatment year (Oct.-Dec. 2025 and Jan.-Mar. 2026). There were no users in Q1 SNC.

**Pretreatment Ordinance - Verbal Notices:**

SDD issued a total of 8 Verbal Notices to **ADM, Tillamook, and Primient** in April 2026:

- **Tillamook (6 Violations):**
  - Slug (3): 4/5, 4/7, 4/13
  - pH (3): 4/7, 4/8, 4/9
- **Primient (1 Violation):**
  - Daily Max. Flow: 4/28
- **ADM**
  - pH: West Plant, 4/27

**Pretreatment Ordinance - Warning Notices (WN):**

There were no WN's issued during April 2026.

**Pretreatment Ordinance - Notices of Violation (NOV):**

There were no NOV's issued April 2026.

**Pretreatment Ordinance - Executive Orders (EO):**

There were no EO's issued during April 2026.

**Pretreatment Ordinance - Penalty Assessments:**

The following industrial penalties were assessed for April 2026.

- **Tillamook** - \$14,000
- **Primient** - \$1,000
- **ADM** - \$1,000

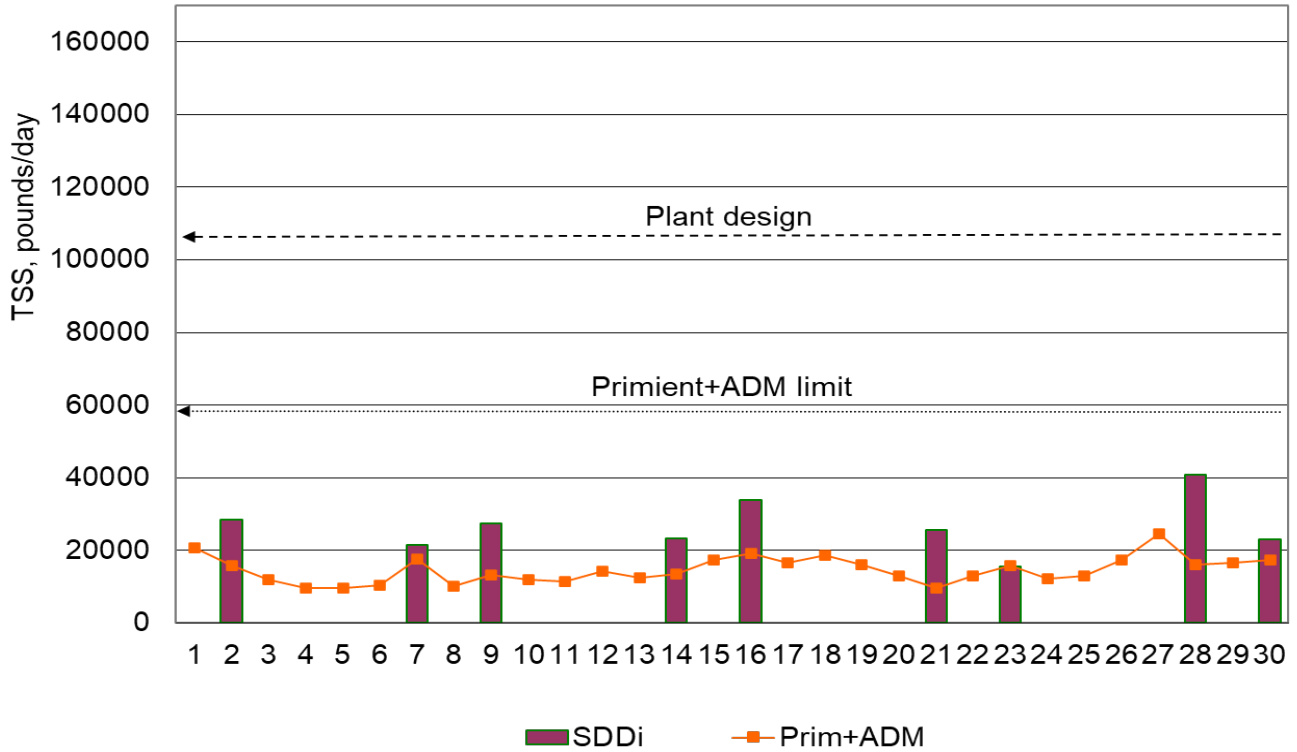
**Nutrient Program Report:**

**NARP/Integrated Planning:**

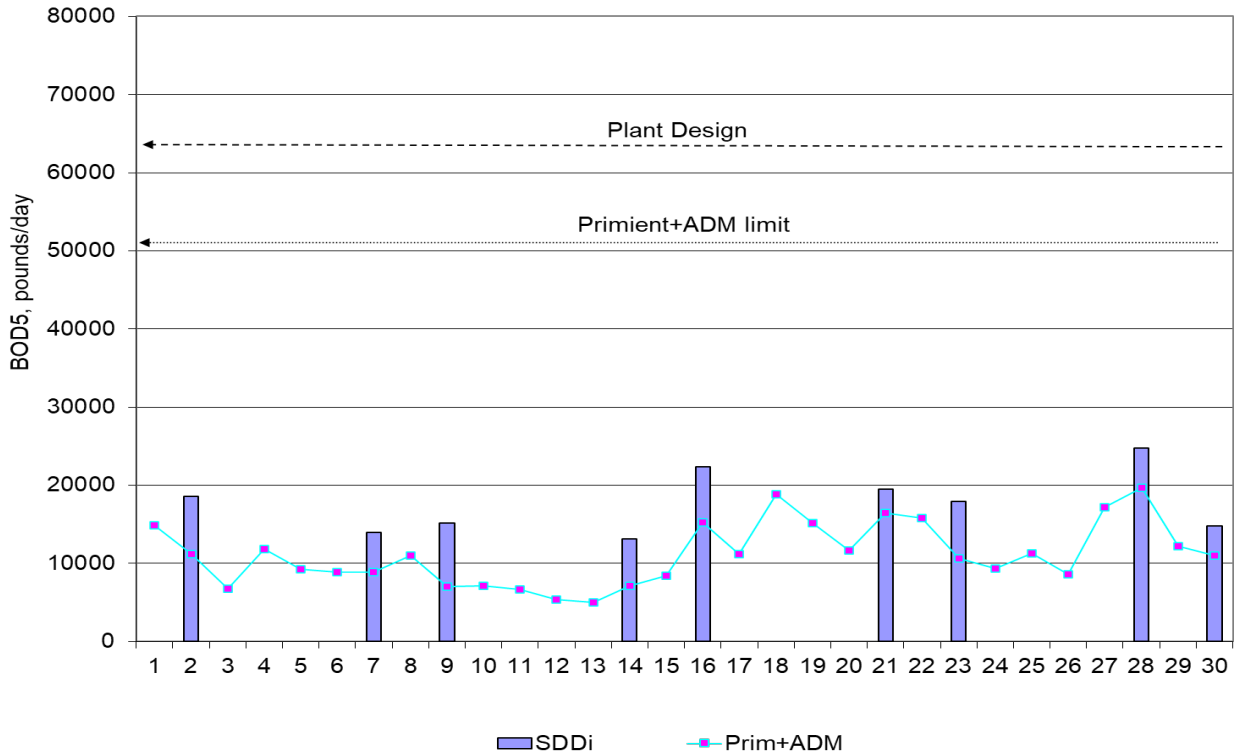
A copy of the MOU was distributed to stakeholders for review by their respective legal counsel, and we are waiting to hear back from all parties. In coordination with Geosyntec, the District has also begun to develop the scope of work and outline the next steps for the group's consideration.

**Plant Operating Graphs:**

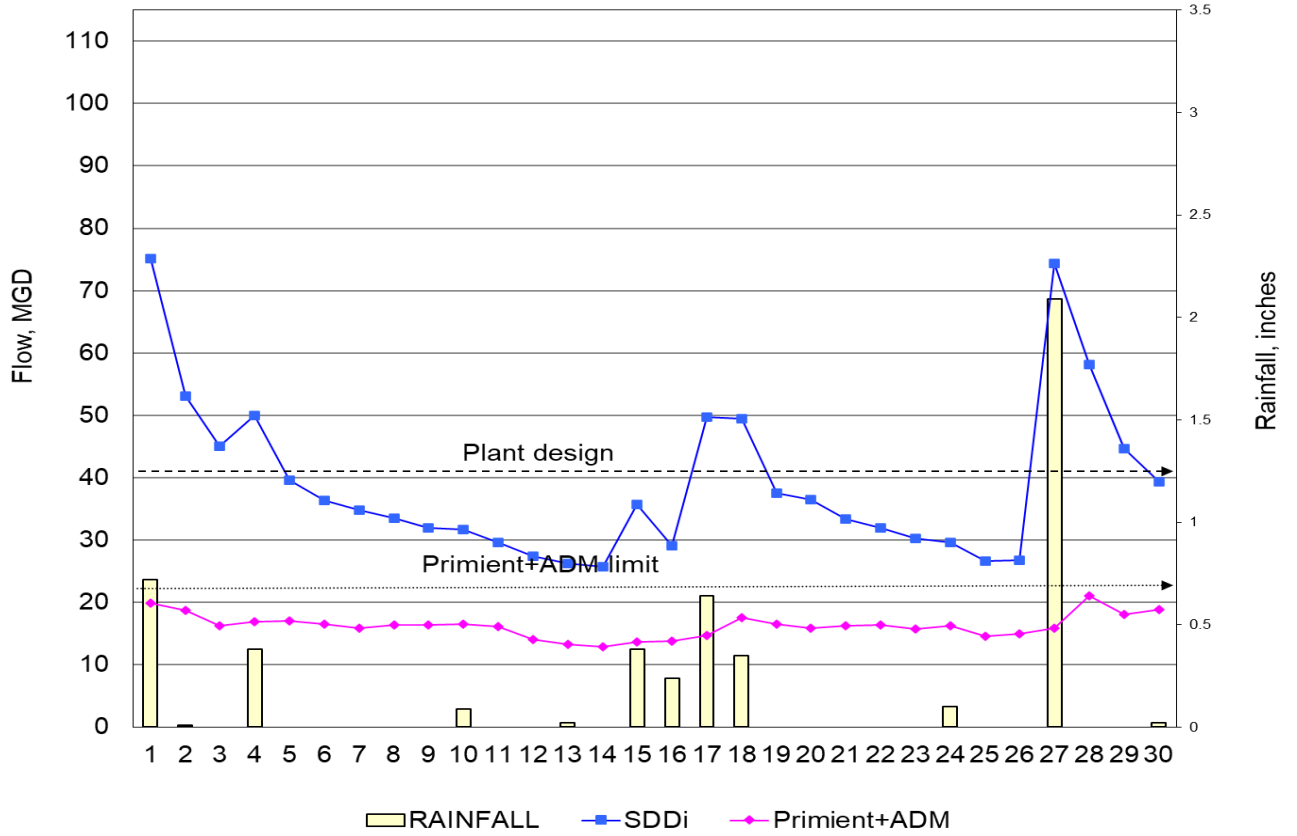
**TSS Comparison: SDD Inf Primient+ADM Discharges**



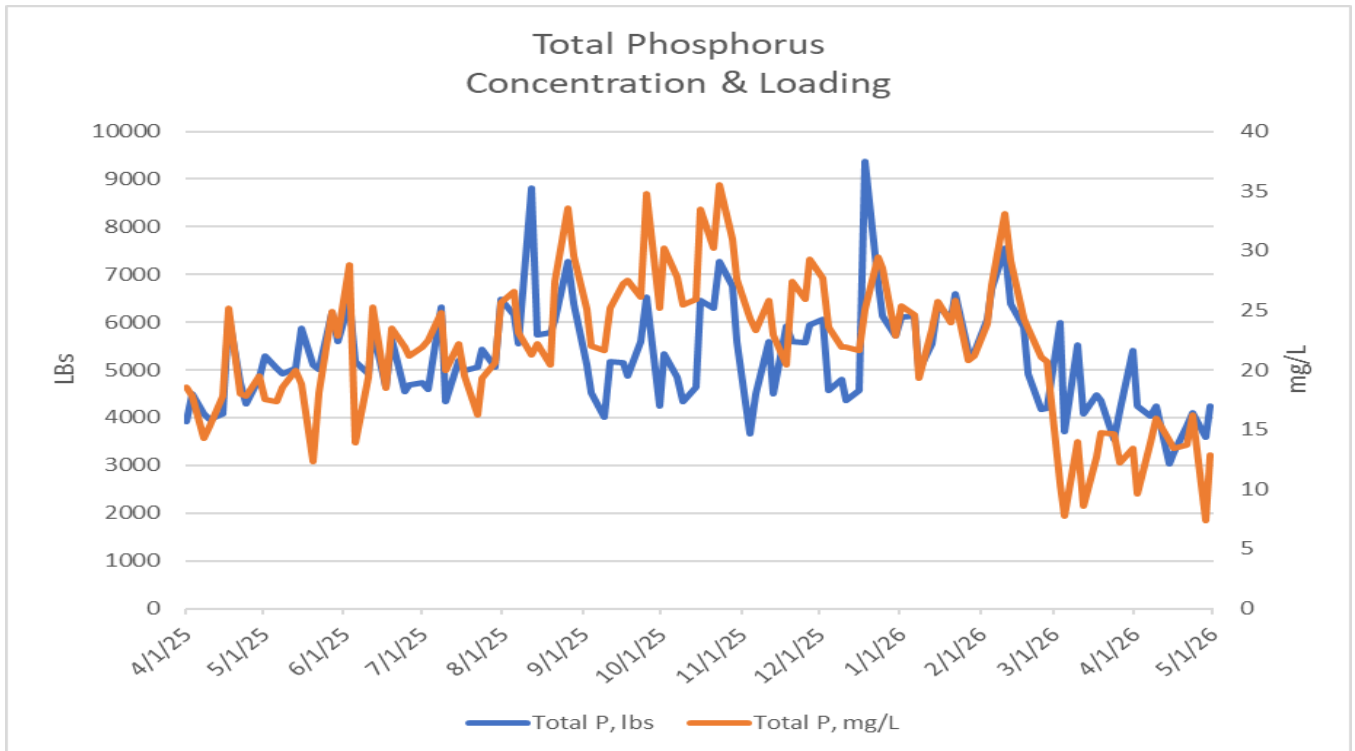
**BOD Comparison: BOD Inf vs. Primient + ADM Discharges**



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

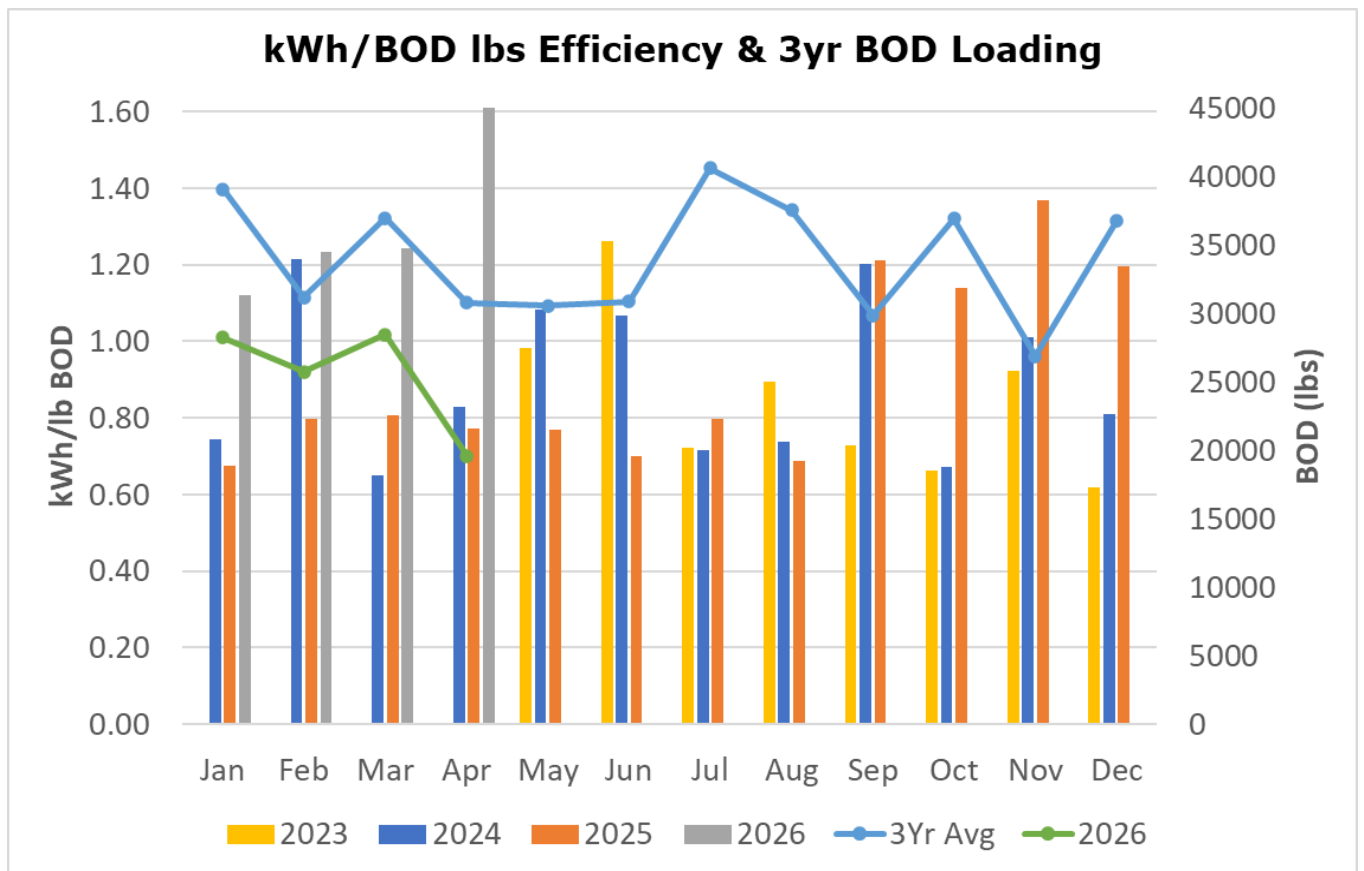
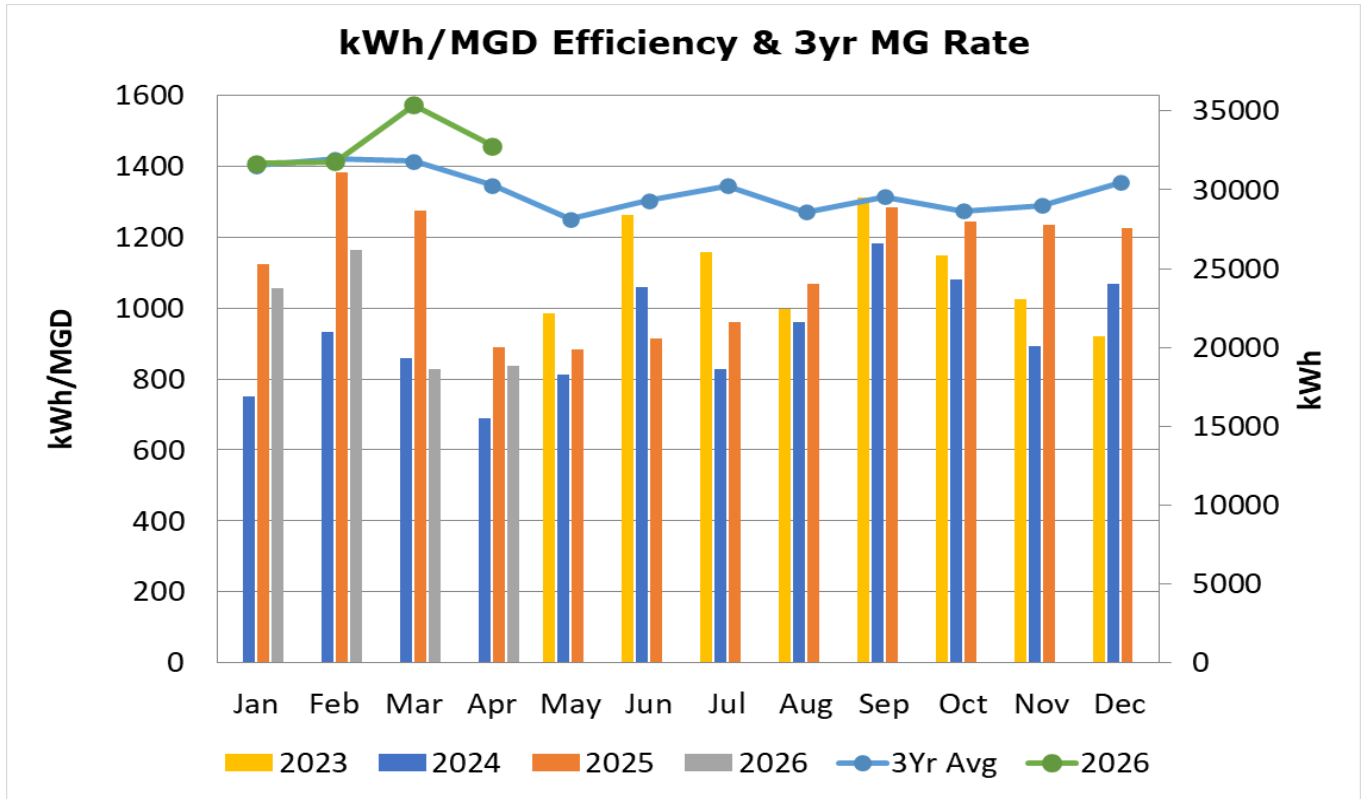


**Phosphorus Tracking Graph:**



**Plant Efficiency Graphs:**

April 2026



Permit Effective Date  
Approximate Expiration Date (Month)

10/1/21  
9/30/26

**HIGH IMPORTANCE**  
Renewal app 4/3/26

Submitted 3/26/2026

Updated 5/13/26

Permit Requirement	Reccurrence Cycle	Repeats?	Period Covered	Permit Location	Deadline Date(s)	# Months to Comply	Date Reported	Completed
<b>DMR Submissions</b>	25th day / month	Yes - monthly	Previous Month	SC 6	<b>Monthly 25th</b>	0	<b>5/11/26</b>	
Fecal Coliform Testing Submission	25th day / month	Yes - monthly *	May - Oct	SC10	<b>Monthly 25th</b>	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	4/8/26	
110 Priority Polutants 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		
Semi-Annual Sludge Report 2nd	Semi-Annual	Yes	Jul - Dec each Yr	SC16	1/31/Each Yr	1		
<b>CSO Monthly Discharge Reports</b>	Monthly, email	Yes	Previous Month	SC17, A, 1	<b>Monthly 25th</b>	0	<b>4/6/26</b>	
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			
<b>NARP Progress Report</b>	<b>Semi-Annual</b>	<b>YES</b>	<b>Every 6 months</b>	<b>SC 24</b>	<b>3/31 &amp; 9/30 yrly</b>	<b>Fixed</b>	<b>3/27/26</b>	
Update CMOM	NA	As needed	NA	SC18	As needed			
SWPPP Required Review/Update	As needed	Yes	NA	SC19, B	As needed	1	9/11/25	
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	
<b>Total P 1.0 mg/L MoAvg Compliance</b>	<b>Final</b>	<b>No</b>	<b>96mos post eff date</b>	<b>SC23, F</b>	<b>9/30/29</b>	<b>Fixed</b>		
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



May 14, 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 (April 4, 2026 through May 8, 2026)

Dear Mr. Miller:

This letter summarizes the work associated to the SDD Nutrient Program Management project for services from April 4, 2026 through May 8, 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.
  - Initiated discussions with the SDD and Geosyntec regarding an amendment to continue Integrated Planning efforts.
4. Detailed Design
  - Conducted bi-weekly calls with design consultants on detailed design requirements and BIM/drafting requirements.
  - Continued coordination with the SDD regarding an industrial pretreatment program update. Held an additional meeting with ADM to discuss impacts to the WRRF and the industrial pretreatment limit, i.e. "local limit". Evaluated impacts to the WRRF and provided SDD considerations for the industrial pretreatment daily maximum limit.
  - Continued coordination with design consultants towards a consolidated project manual, i.e. technical specifications.
  - Coordinated key aspects of the project specifications with the SDD and design consultants, specifically items related to sequencing and constraints.
  - Finalized the 60% opinion of probable construction costs.
  - Revised the drawing with updated WRRF hydraulic profile.

- Initiated reviews of proposals in response to the SDD Request for Qualifications for Construction Management services.
- Started to develop a preliminary construction schedule to assess equipment lead-times and construction duration.
- Started reviews of 90% 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**

May 14, 2026

During the period of April 4, 2026 through May 8, 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 started review of the 90% design submittal for Design Packages 3 and 4 and attended a meeting with the SDD and design consultant to review the submittal. Black & Veatch also continued to support efforts for an industrial pretreatment update, completed work on the 60% OPCC, coordinated a single project manual for the six design packages, and started to assist reviewing proposals responding to the Construction Manager Request for Qualifications.

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 April 4, 2026 through May 8, 2026**

<b>Subject</b>	<b>Date</b>	<b>Agenda Items</b>
Nutrient Program Management Bi-weekly Meetings	Meeting held on 4/8/26, 4/22/26 and 5/6/26	<i>Objective:</i> Provide Status Update on Program Tasks <ul style="list-style-type: none"> <li>• Detailed Design</li> <li>• Watershed Services</li> <li>• PowerBI</li> </ul>
Detailed Design, Donohue, Meeting	Meeting held on 4/8/26, 4/22/26 and 5/6/26	<i>Objective:</i> Status Update and Discuss Detailed Design <ul style="list-style-type: none"> <li>• Discuss 90% Detailed Design Items</li> <li>• Review Schedule</li> </ul>
Detailed Design, Clark Dietz, Meeting	Meetings held on 4/14/26 and 4/27/26	<i>Objective:</i> Status Update and Discuss Detailed Design <ul style="list-style-type: none"> <li>• Discuss 90% Detailed Design Items</li> <li>• Review Schedule</li> </ul>
Detailed Design, CMT, Meeting	Meeting held on 4/21/26 and 5/5/26	<i>Objective:</i> Status Update and Discuss Detailed Design <ul style="list-style-type: none"> <li>• 60% Detailed Design Review Meeting</li> <li>• Review Schedule</li> </ul>
Industrial Pretreatment Program	Meetings held on 4/9/26 and 4/30/26	<i>Objective:</i> Discuss updates from ADM on projected flows and loads.

**Sanitary District of Decatur**  
**Watershed Management Report**

May 14, 2026

During the period of April 4, 2026 through May 8, 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 and specifically the Memorandum of Understanding (MOU) between the SDD and the City.

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 April 4, 2026 through May 8, 2026**

<b><u>Subject</u></b>	<b><u>Date</u></b>	<b><u>Agenda Items</u></b>
Watershed Services Bi-weekly Discussions	Meeting held on 4/29/26	<i>Objective:</i> Geosyntec discussed Integrated Planning.