

Director of Compliance and Innovation Report

April 15, 2026

Plant Loading, CSO Report, and Director's Notes

Plant Influent Report:

Biochemical Oxygen Demand, 5-Day (Avg. 28456 lbs/day)	45 percent of design
Total Suspended Solids (Avg. 52288 lbs/day)	48 percent of design
Average Daily Flow (42.65 million gallons/day)	104 percent of design
Maximum Daily Flow (86.88 million gallons/day)	70 percent of design

Plant Influent Total Monthly Flow (million gallons) for February	764.63
Estimated Unbilled Total Monthly Flow (million gallons)	119.47
Total Monthly Precipitation (inches)	0.61

Plant Effluent Report:

Parameter	Report Frequency	Permit Limits	Reported Values	Violations
CBOD ₅ , mg/L	Mo./Wk. Avg	20/40	2/3	0
TSS, mg/L	Mo./Wk. Avg	25/45	7/10	0
NH ₃ -N, mg/L	Mo. Avg/Daily Max	1.5/3.0	0.15/0.37	0
DO, mg/L	Mo. Avg/Wk. Avg/Daily Min	6.0/4.5/4.0	8.28/7.74/7.74	0
pH, S.U.	Daily Min/Max	6.0/9.0	7.62/8.01	0
Total Nickel, mg/L	Mo. Avg	0.0381	0.013	0
Cl ₂ 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)	5	34.7	14.66
Lincoln Park (Outfall 004)	4	13.13	18.6
McKinley Avenue (Outfall 007)	5	33.3	17.33
Seventh Ward (Outfall 008)	3	14.2	18.63

Director's Notes:

Compliance Reporting:

In accordance with the requirements of our NPDES permit the SDD has submitted all monthly, quarterly, semi-annual and/or annual reports to the appropriate entities. These include the semi-annual NARP Progress Report, the annual PDOP Progress Report, the semi-annual Feasibility Progress

Report, the monthly CSO reports, monthly DMRs, and the quarterly Sludge DMRs. The NPDES (National Pollutant Discharge Elimination) Permit application was also submitted to the agency on March 26th.

2025 Chemical Bids:

A request for bids for chemicals was posted in the newspaper and the District’s website on February 17, 2026. All bids except one were opened and read on March 31, 2026.

The purchase periods offered on all chemicals (when applicable) was up to a three-year submission again this year, therefore the period included within the bid sheet covers the period May 1, 2026 – April 30, 2029. The choice to accept or deny any extended bid period remains solely with the District. The District is recommending to the Board the acceptance of just the one-year bid submitted this year.

A motion for the acceptance of the following bids will be presented to the Boards during this month’s Board meeting.

A summary of the low bids and the previous year’s accepted bids are as follows:

2026 Tentative Winning Chemical Bids

2026 Tentative Winning Bidder	Chemical	Unit	2020	2021	2022	2023	2024	2025	2026	2027
PVS Technologies	Ferrous Chloride	lbs	\$0.522	\$0.70	\$0.729	\$0.876	\$0.87	\$0.90	\$0.88	\$0.92
Evergreen FS	Gas & Fuel	gal	\$0.154	\$0.157	\$0.159	\$0.214	\$0.224	\$0.234	\$0.245	
PVS Chemical Solutions	Sodium Bisulfite	100 lbs	\$13.00	\$13.50	\$18.00	\$23.90	\$16.94	\$20.24	\$23.24	
Hawkins	Sodium Hypochlorite	gal	\$0.746	\$0.746	\$1.49	\$1.63	\$1.90	\$1.80	\$1.59	
Brandt	28% UAN	ton	\$209.00	\$236.25	\$625.00	\$317.00	\$354.00	\$398.00	\$595.00	
SNF-Polydyne	Polymer Flocculant	lbs.	\$1.14	\$1.30	\$1.35	\$1.40	\$1.36	\$1.40	\$1.44	

Notes:

- 1 Multi-year Price Locked In These bids have been previously accepted for multiple years.
- 2 All bids are tentative until they are approved by the District Board.

Staff Training Activities:

Keith Richards and Ashley Bailey attended the Illinois Wastewater Professionals (IWPC) conference for Illinois wastewater professionals from March 30 – April 1, 2026, in Peoria. The conference included presentations on case studies, emerging issues of concern, wastewater technologies, and a variety of other topics.

2025 Disinfection Season:

Maintenance of the disinfection equipment has begun in preparation for the disinfection season beginning on May 1, 2026. Chlorine disinfection and de-chlorination will begin according to the requirements of the SDD’s NPDES permit.

Operations, Laboratory, and Pretreatment Activity Reports – March/April 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 the majority of the period, two blowers were sufficient to meet operational needs.
- 5) Disinfection Process-
Disinfection preparation is scheduled to be completed by early April.

Laboratory Activities:

Routine:

A total of 2,019 analyses were performed in the laboratory during the month of March 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 March 2026 for the Illinois Wastewater Surveillance System (IWSS). Levels of COVID, Influenza and RSV were all low in recent samples.
- 2) The SDD laboratory analyzed five stormwater samples during March 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) Jennifer Brand, Tishia Greve, and Keith Richard attended a webinar hosted by SEAL Analytical on March 4, 2026. The topic of the webinar was Advanced Discrete Analyzer Software training. Our discrete analyzer is used for nutrients and anions analysis.
- 4) Keith Richard attended the Illinois Wastewater Professionals Conference (IWPC) on March 30-April 1, 2026, in East Peoria. He organized and served as a judge for the Laboratory Challenge on Tuesday afternoon then served as the moderator for the Laboratory Speaker Session on Wednesday afternoon. During the conference, he was elected the Second Vice-President of IWEA and the Chair of the Central Region for IAWPCO.

Pretreatment Activities:

Pretreatment - General Activities:

- 1) Pretreatment personnel monitored 9 commercial and industrial users (IU) during March 2026. There were 0 industrial site inspections completed.

- 2) There were no industrial discharge permits issued in March 2026. As part of the USEPA AOC, **ADM's** permit limits were recalculated and raised.
- 3) Sampling for **Tillamook** continued in March. This month will be the first month that **Tillamook** has operated with mass-based limits. Consistent with previous months, **Tillamook** had two elevated BOD results and 3 elevated TSS results, though they likely will not result in a violation of their new mass-based limits. Slugs were a larger issue this month for Tillamook, as they had a total of 8.
- 4) The SDD is continuing to work on the AOC issued by the USEPA and agreed upon in January. The month of March saw ADM's recalculated permit limits be approved. The recalculation of these permit limits is complete ahead of the scheduled April 24th deadline.
- 5) As per USEPA requirements, Significant Non-Compliance (SNC) was calculated on April 1st for Q1 of the pretreatment year (Oct.-Dec. 2025 and Jan.-Mar. 2026). There were no users in SNC for Q1.

Pretreatment Ordinance - Verbal Notices:

SDD issued a total of 12 Verbal Notices to **KAG, CNIC, Fuyao, Tillamook** and **Primient** in March 2026:

- **Tillamook (8 Violations):**
 - Slug (8): 3/1, 3/16, 3/18, 3/19, 3/20, 3/24, 3/25, 3/26
- **Primient (1 Violation):**
 - Daily Max. Flow: 3/11
- **KAG**
 - Late Annual Report
- **CN/IC**
 - Late Annual Report
- **Fuyao**
 - Late Annual Report

Pretreatment Ordinance - Warning Notices (WN):

There were no WN's issued during March 2026.

Pretreatment Ordinance - Notices of Violation (NOV):

There were no NOV's issued March 2026.

Pretreatment Ordinance - Executive Orders (EO):

There were no EO's issued during March 2026.

Pretreatment Ordinance - Penalty Assessments:

The following industrial penalties were assessed for March 2026.

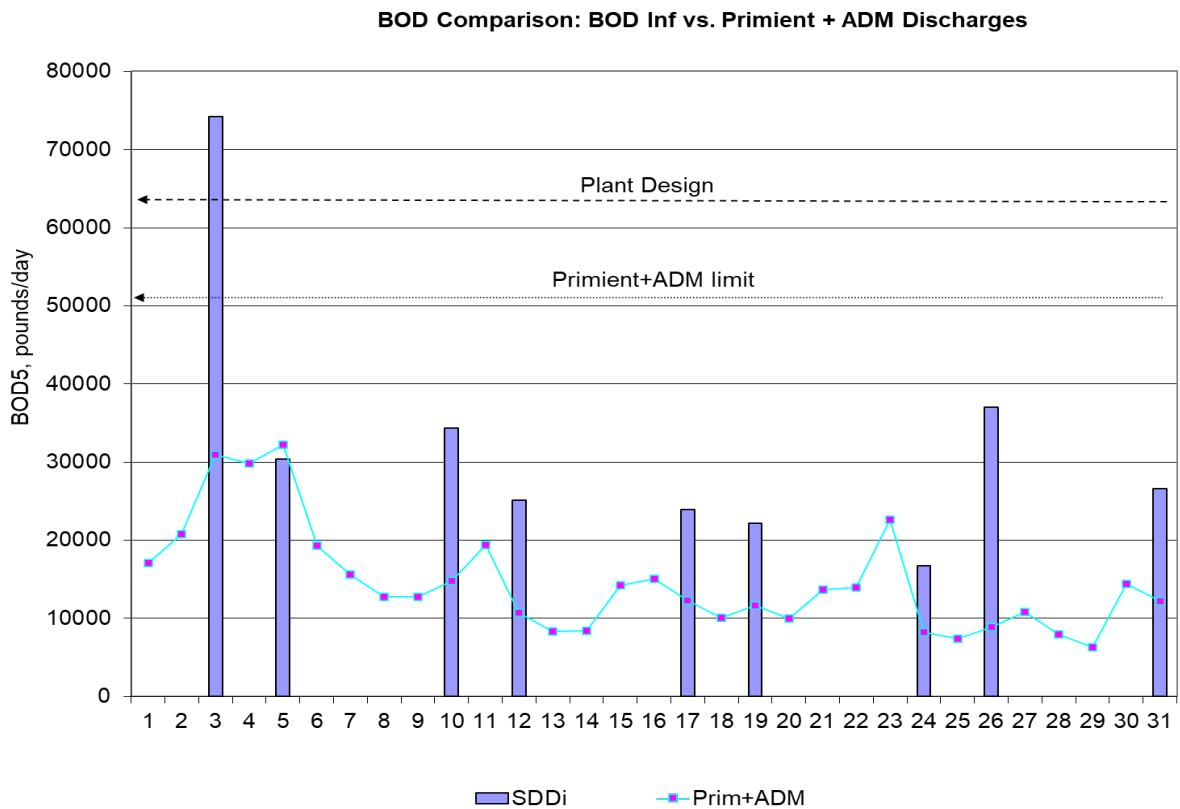
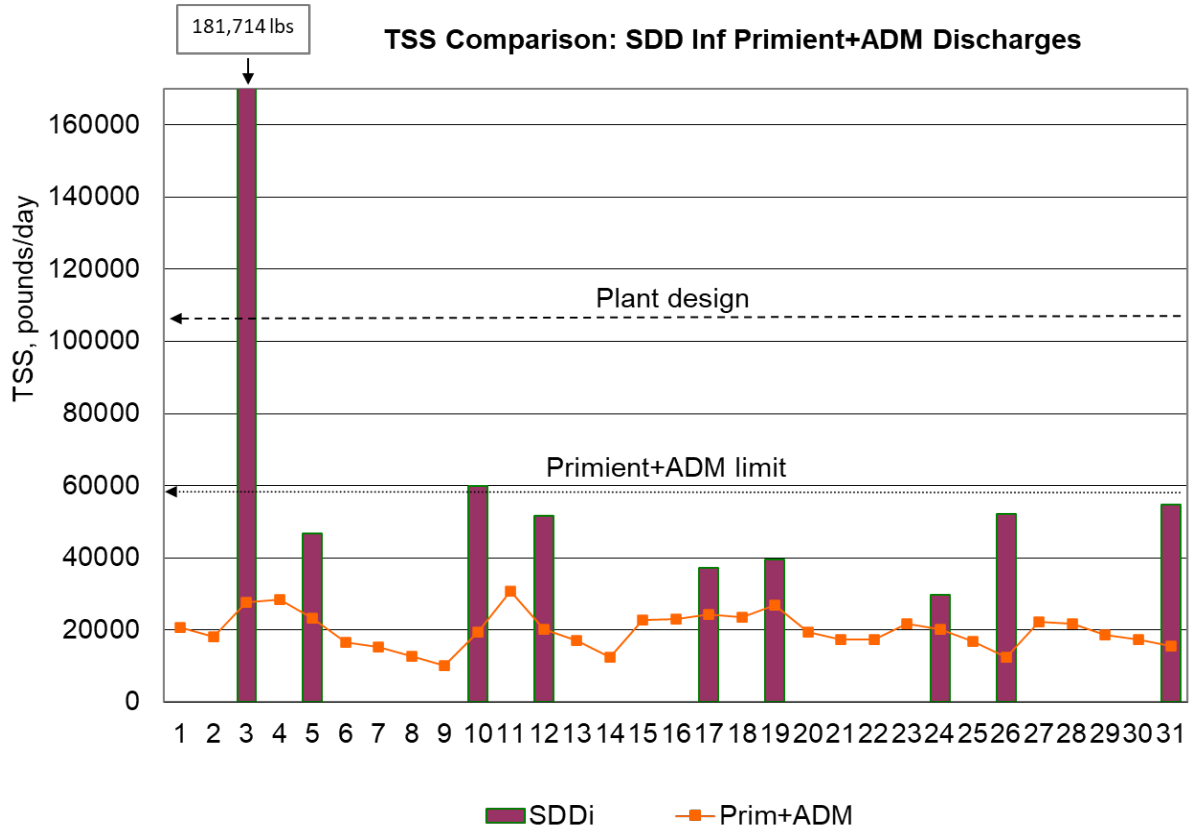
- **Tillamook** - \$57,000
- **Primient** - \$1,000

Nutrient Program Report:

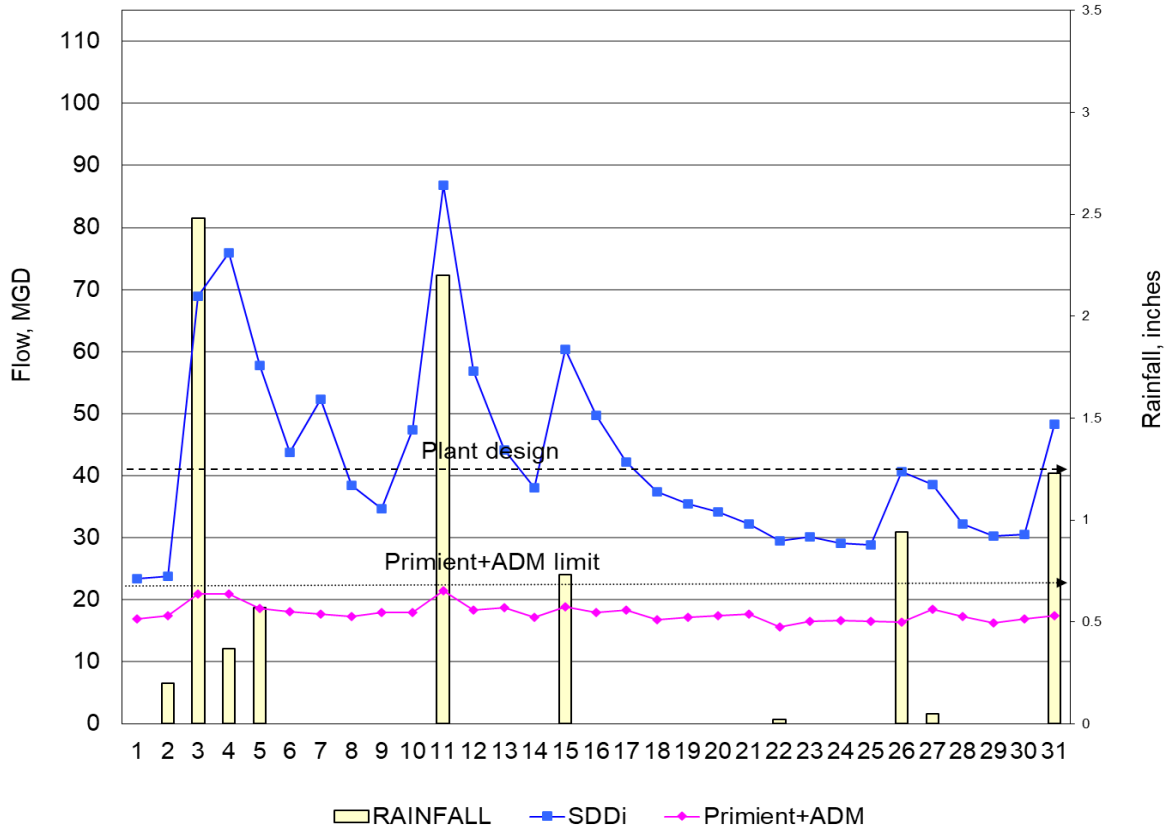
NARP/Integrated Planning:

District staff has received the revised draft of the Memorandum of Understanding (MOU) from the City. A copy of the MOU will be distributed to stakeholders for review by their respective legal counsel. In coordination with Geosyntec, the District is also beginning to develop a proposed scope of work and outline the next steps for the group's consideration.

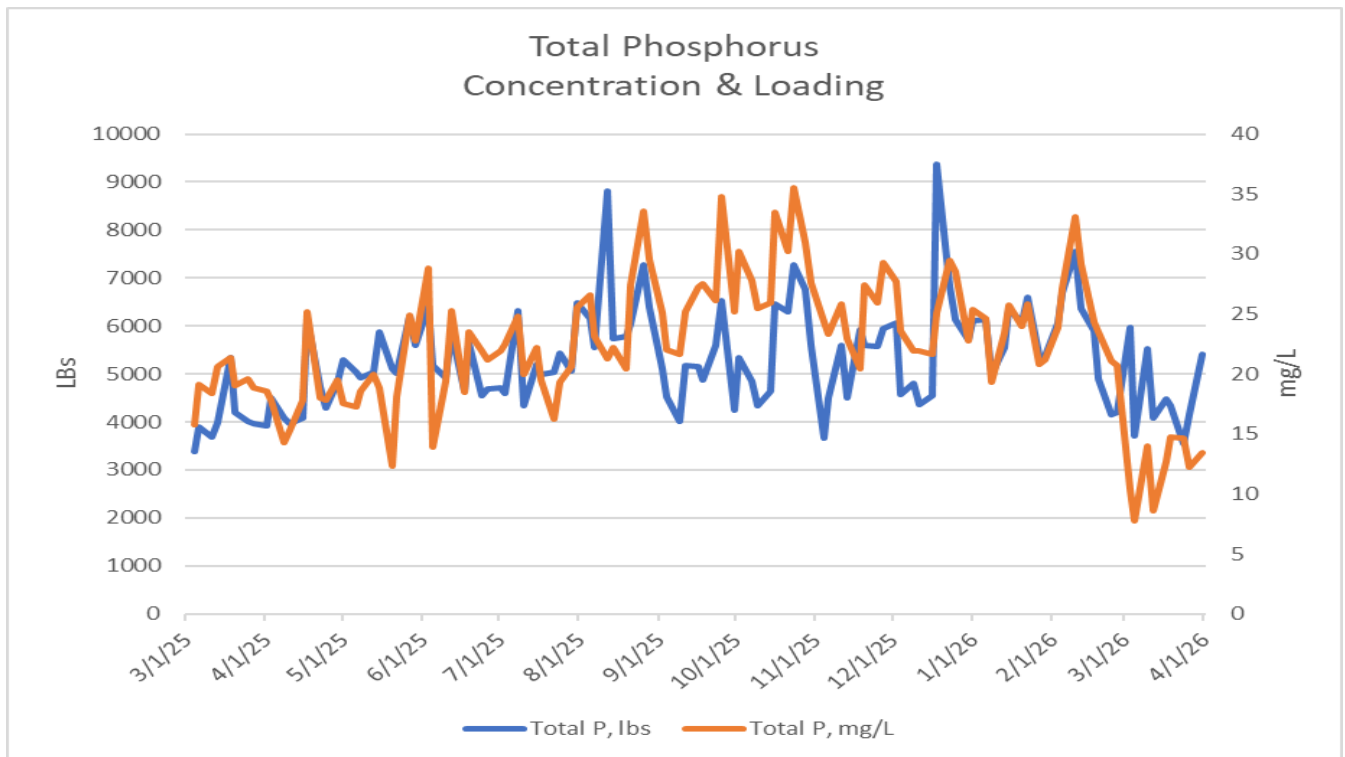
Plant Operating Graphs:



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

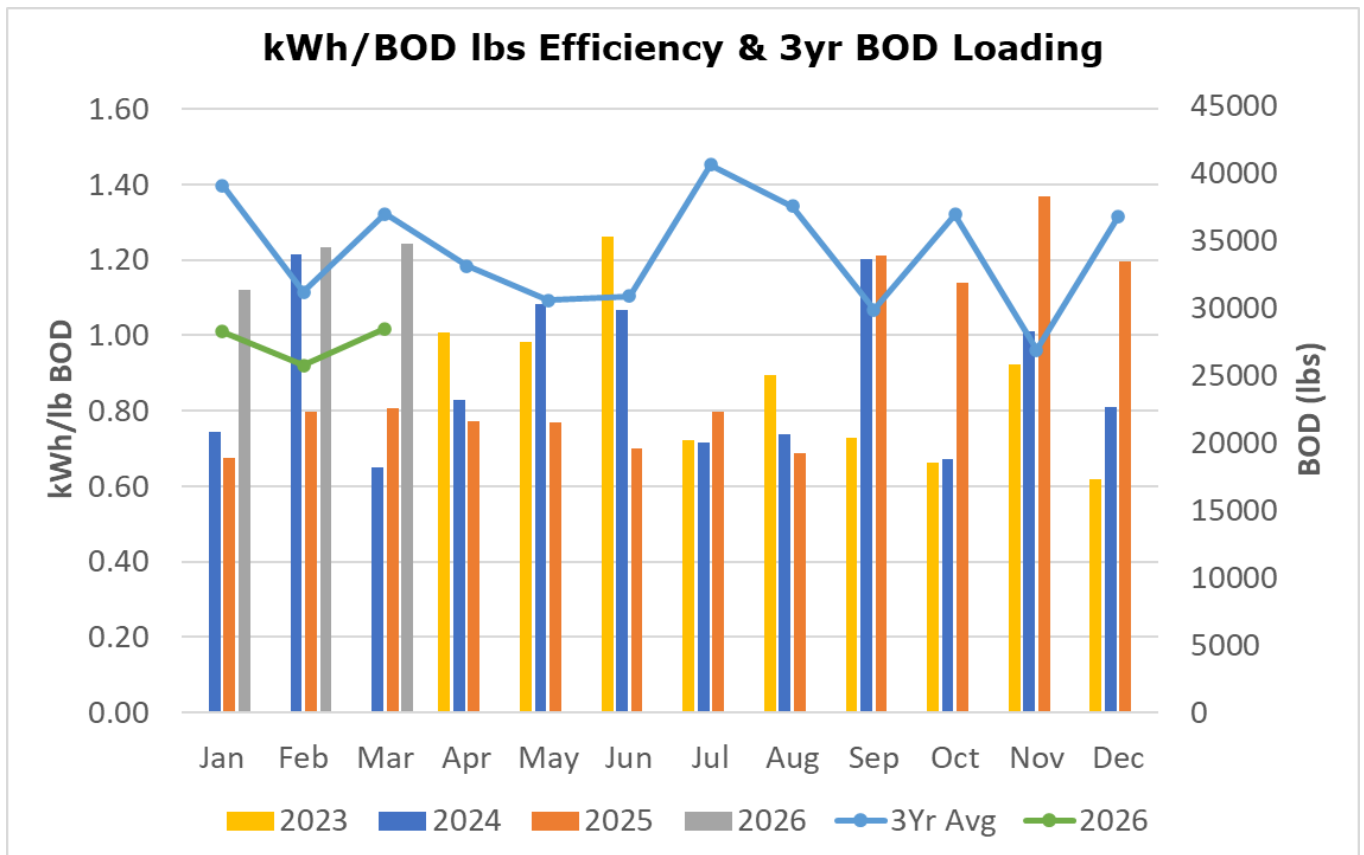
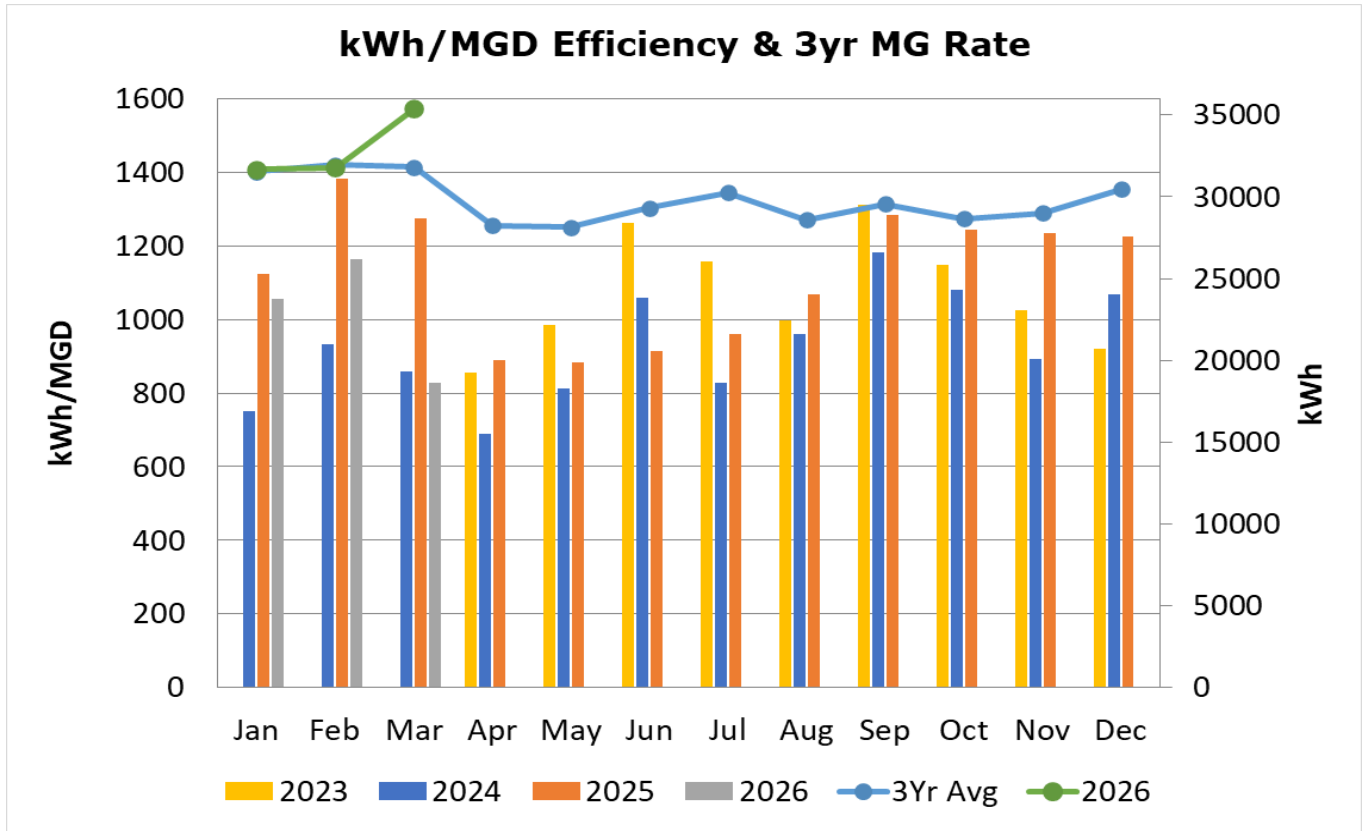


Phosphorus Tracking Graph:



Plant Efficiency Graphs:

March 2026



Permit Effective Date
Approximate Expiration Date (Month)

10/1/21
9/30/26

HIGH IMPORTANCE
New app 4/3/26

3/26/2026

Updated 4/7/26

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	3/6/26	
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		2/16/26	
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		
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			
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		
CSO Monthly Discharge Reports	Monthly, email	Yes	Previous Month	SC17, A, 1	Monthly 25th	0	4/6/26	
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	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	
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		
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

April 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 (March 7, 2026 through April 3, 2026)

Dear Mr. Miller:

This letter summarizes the work associated to the SDD Nutrient Program Management project for services from March 7, 2026 through April 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.
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 Industrial meeting with ADM to discuss changes to the WRRF and industrial pretreatment limit, i.e. "local limit". Evaluated impacts to WRRF with updated discharge data from ADM.
 - Completed review of the 60% design documents for Design Package 5.
 - Continue to develop the 60% opinion of probable construction costs based on additional design inputs to the 60% design documents.
 - Drafted a drawing with updated WRRF hydraulic profile.
 - Incorporated edits to the draft of the front-end bidding documents (Division 0) the Division 1 specification sections.
 - Attended pre-proposal meeting for the Request for Qualifications and scope of services for Construction Management services.

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

April 8, 2026

During the period of March 7, 2026 through April 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 completed review of the 60% design submittal for Design Package 5 and reviewed the Package 5 submittal with that design consultant. Black & Veatch also supported efforts for an industrial pretreatment update, continued work on the 60% OPCC, revised the draft front-end documents, and attended the pre-proposal meeting for the Construction Manager Request for Qualifications and scope of services.

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 March 7, 2026 through April 3, 2026

Subject	Date	Agenda Items
Nutrient Program Management Bi-weekly Meetings	Meeting held on 3/11/26 and 3/25/26	<i>Objective:</i> Provide Status Update on Program Tasks <ul style="list-style-type: none"> • Detailed Design • Watershed Services • PowerBI
Detailed Design, Donohue, Meeting	Meeting held on 3/11/26 and 3/25/26	<i>Objective:</i> Status Update and Discuss Detailed Design <ul style="list-style-type: none"> • Discuss 90% Detailed Design Items • Review Schedule
Detailed Design, Clark Dietz, Meeting	Meetings held on 3/19/26 and 4/2/26	<i>Objective:</i> Status Update and Discuss Detailed Design <ul style="list-style-type: none"> • Discuss 90% Detailed Design Items • Review Schedule
Detailed Design, CMT, Meeting	Meeting held on 3/10/26	<i>Objective:</i> Status Update and Discuss Detailed Design <ul style="list-style-type: none"> • 60% Detailed Design Review Meeting • Review Schedule
Industrial Pretreatment Program	Meetings held on 3/10/26	<i>Objective:</i> Discuss updates from ADM on projected flows and loads.

Sanitary District of Decatur
Watershed Management Report

April 8, 2026

During the period of March 7, 2026 through April 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 communicated 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 March 7, 2026 through April 3, 2026

<u>Subject</u>	<u>Date</u>	<u>Agenda Items</u>
Watershed Services Bi-weekly Discussions	Meeting held on 3/18/26	<i>Objective:</i> Geosyntec discussed Integrated Planning.