Director of Compliance and Innovation Report

November 18, 2026

Plant Loading, CSO Report, and Director's Notes

Plant Influent Report:

Biochemical Oxygen Demand, 5-Day (Avg. 22103 lbs/day)	35 percent of design
Total Suspended Solids (Avg. 29477 lbs/day)	27 percent of design
Average Daily Flow (22.46 million gallons/day)	55 percent of design
Maximum Daily Flow (33.83 million gallons/day)	27 percent of design

Plant Influent Total Monthly Flow (million gallons) for September	739.51
Estimated Unbilled Total Monthly Flow (million gallons)	116.67
Total Monthly Precipitation (inches)	2.23

Plant Effluent Report:

Parameter	Report Frequency	Permit Limits	Reported Values	Violations
$CBOD_5$, mg/L	Mo./Wk. Avg	20/40	4/8	0
TSS, mg/L	Mo./Wk. Avg	25/45	5/7	0
NH_3-N, mg/L	Mo. Avg/Daily Max	1.5/3.0	0.32/0.50	0
DO, mg/L	Mo. Avg/Wk. Avg/Daily Min	6.0/4.5/4.0	7.55/7.30/7.25	0
pH, S.U.	Daily Min/Max	6.0/9.0	7.76/8.03	0
Total Nickel, mg/L	Mo. Avg	0.0381	0.015	0
Cl_2 Residual, mg/L	Daily Max	0.05	<0.011	0
Fecal Coliform CFU/100mL	Daily Max	400	11	0

CSO Report:

Location	Events	Est. Total Duration of Discharges (hrs.)	Discharge (million gallons)
Oakland Avenue (Outfall 003)	1	11.9	0.84
Lincoln Park (Outfall 004)	1	0.2	0.1
McKinley Avenue (Outfall 007)	2	3.0	1.48
Seventh Ward (Outfall 008)	1	2.5	4.69

Director's Notes:

Land Application Program:
Metro-Ag completed the land application of the District's biosolids on November 3, 2026. This year's application covered 18 local farm fields, encompassing approximately 1,531 acres, with a total just short of 31 million gallons applied over just more than a month. The operation proceeded very smoothly, with only one day of downtime due to weather.

Chemical Usage During the 2026 Disinfection Season:

Chemicals	INF TOT	EFF TOT	264 TOT	NH3 TOT	CL2 TOT	BIS TOT	AVG	
2025	MGD	MGD	MGD	GPD	GPD	GPD	COST/d	Days/Mo
May	30.56	33.51	35.01	132.55	776.60	330.93	$2,494.00	$77,313.96
June	34.28	37.88	37.90	156.05	1034.44	372.14	$3,082.96	$92,488.87
July	34.37	37.76	36.31	185.66	1230.19	426.61	$3,626.19	$112,411.99
Aug	31.82	34.39	33.07	160.14	1061.47	428.03	$3,280.62	$101,699.26
Sep	24.66	26.46	26.37	133.76	886.32	359.82	$2,745.56	$82,366.65
Oct	22.46	25.54	25.68	118.30	837.00	339.20	$2,565.83	$79,540.74
								$90,970.25 Avg
Avg	29.69	32.59	32.39	147.74	971.01	376.12		$545,821.48 Sum

Disinfection Season:
The 2026 disinfection season concluded on October 31. Throughout the season, the Operations team continued to strengthen its understanding of challenges that can affect the disinfection process, particularly those associated with industrial user impacts. As a result, operators have become increasingly proactive in identifying early indicators of potential influent-related issues that could adversely affect treatment plant operations and disinfection performance. The team once again achieved a reduction in operational costs and chemical usage, marking the second consecutive year of improved cost efficiency.

New Operator and Lead:
Billy Brunk has been selected to fill the Operator position. Billy joins the District with prior wastewater treatment operations experience and holds an IEPA Class 4 Wastewater Operator Certification. Since joining the District, Billy has demonstrated a strong understanding of wastewater treatment operations and has already proven to be a valuable addition to the Operations team. His experience, knowledge, and ability to contribute to daily plant operations are appreciated.

Additionally, Brandi Rosenberger has been offered and has accepted the Lead Operator position. Brandi has consistently demonstrated a high level of knowledge, dependability, and dedication to the District. Through her continued commitment to professional development, she has worked diligently to obtain her IEPA Class I Wastewater Operator Certification. Brandi has repeatedly demonstrated her value to the Operations team through her work ethic, technical knowledge, and willingness to take on additional responsibilities. Her selection for the Lead Operator position is a reflection of her hard work, continued professional growth, and contributions to the District. We look forward to seeing her continued success in this new role.

Operations, Laboratory, and Pretreatment Activity Reports – October/November 2026

<u>Operations Activities Summary</u>:

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 (Cl_2) demand has remained steady this period.

5) Land Ap
Operations and Maintenance staff operated the Lagoon Crawler approximately 271.4 hours this season and transferred approximately 10 million gallons from the west lagoon. Transferring from the west lagoon will continue as long as weather permits.

Laboratory Activities:

Routine:
A total of 1,797 analyses were performed in the laboratory during the month of October 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 October 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 semi-annual sampling of the groundwater monitoring wells at the South Sludge Lagoons and Wyckles Lagoons was conducted during the first full week of October 2026.
3) Keith Richard provided a facility tour for a Millikin University Biology class on October 7, 2026.
4) Keith Richard and Jeanie Reese attended the quarterly Heart of the Sangamon River Ecosystem Partnership (HOTSREP) meeting on October 8, 2026. The HOTSREP is expected to become an important stakeholder in the District's Integrated Plan. Keith serves as the Chair of the HOTSREP.
5) The District hosted the Central Region Annual Conference for the Illinois Association of Water Pollution Control Operators (IAWPCO) on October 21, 2026. Around forty attendees and seven vendors participated in the conference. Keith Richard and Ashley Bailey organized the conference and Austin Gruber was a speaker at the conference. Keith serves as the Chair of the IAWPCO Central Region.
6) Keith Richard and Austin Gruber attended the Illinois Water Environment Association (IWEA) Pretreatment Workshop at Starved Rock Lodge on October 28, 2026. Austin was a panelist during the workshop.
7) Keith Richard provided a facility tour for an Eisenhower High School Art Class on October 29, 2026.

Pretreatment Activities:

Pretreatment - General Activities:

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

2) There was one industrial discharge permit issued to **ADM** in October 2026.

3) Sampling for **Tillamook** continued in September. **Tillamook** passed all samples and had 0 violations.

4) The SDD is continuing to work on the AOC issued by the USEPA and agreed upon in January. In October, a revised version of the general permit structure that will be used for all industrial user permits was submitted to the agency. Having not received any comments on it, the SDD Board of Trustees passed it and work is continuing on getting all permits updated to fit the new format. Additionally, the SDD submitted a quarterly progress report required by the agency, as well as a summary of enforcement from January to October. Besides the recurring progress reports, all requirements in the AOC have been submitted for agency review.

Pretreatment Ordinance - Verbal Notices:

There were three verbal notices issued to **Primient** during October 2026:

- **Primient** (3 violations)
  - pH less than 6 for more than 45 minutes: 10/26, 10/27 and 10/30

Pretreatment Ordinance - Warning Notices (WN):

There was one Warning Notice issued to **Primient** on October 30th for recurring pH violations from September and October.

Pretreatment Ordinance - Notices of Violation (NOV):

There were no NOV's issued during October 2026.

Pretreatment Ordinance - Executive Orders (EO):

There were no EO's issued during October 2026.

Pretreatment Ordinance - Penalty Assessments:

The following industrial penalties were assessed for October 2026:

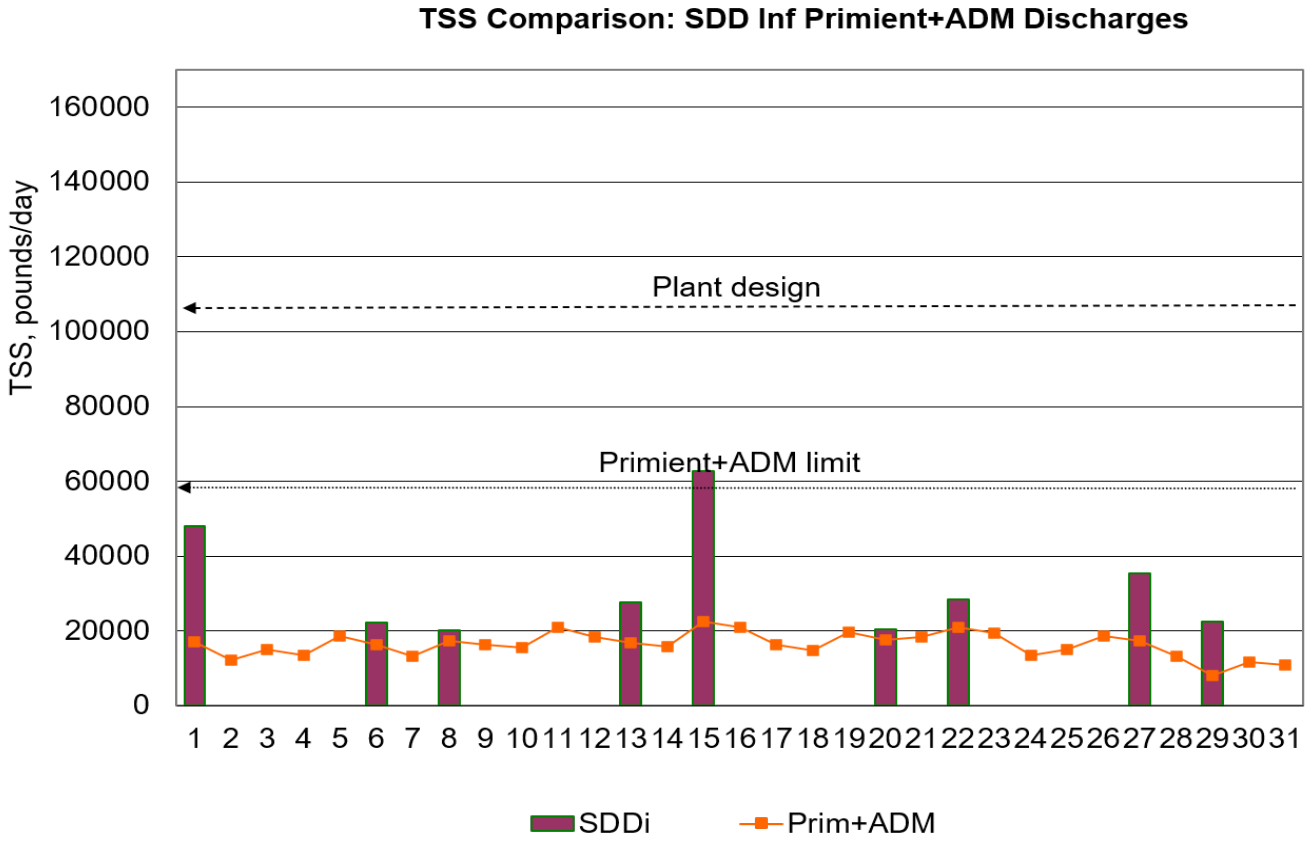
- **Primient** - $3,000

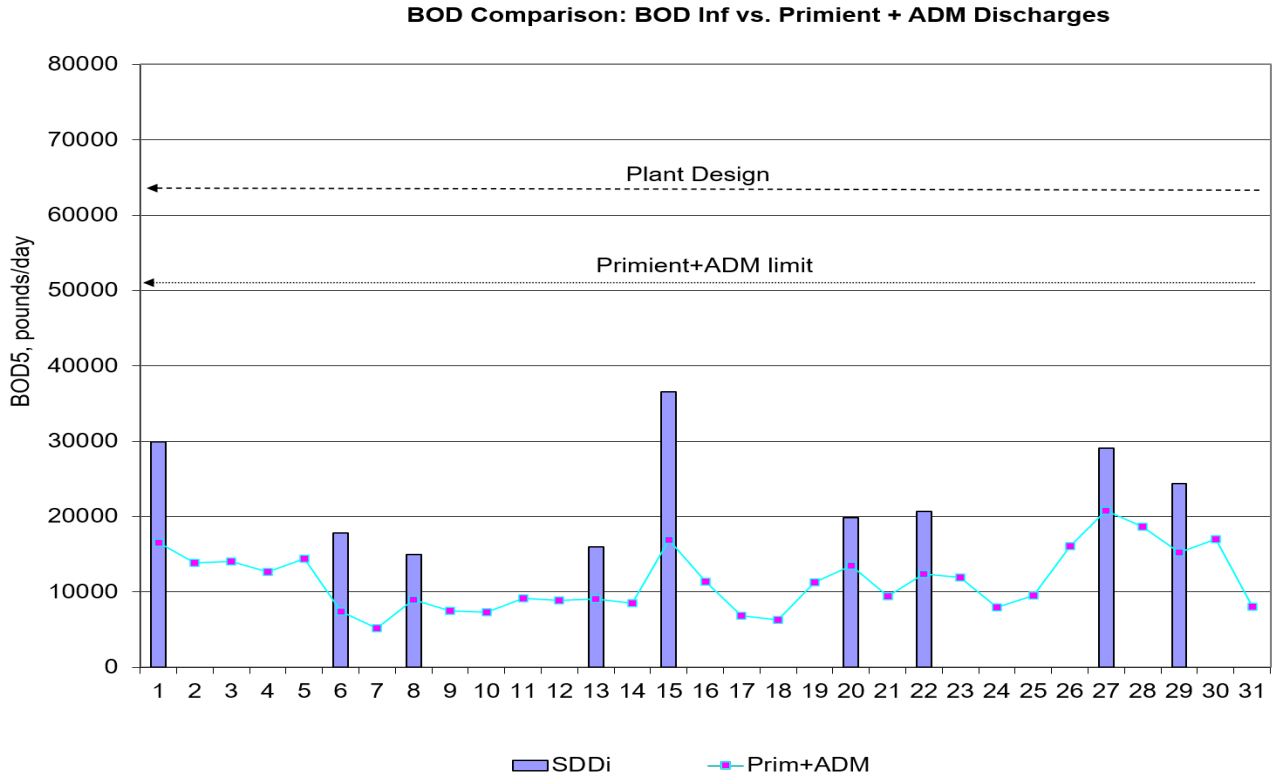
Nutrient Program Report:

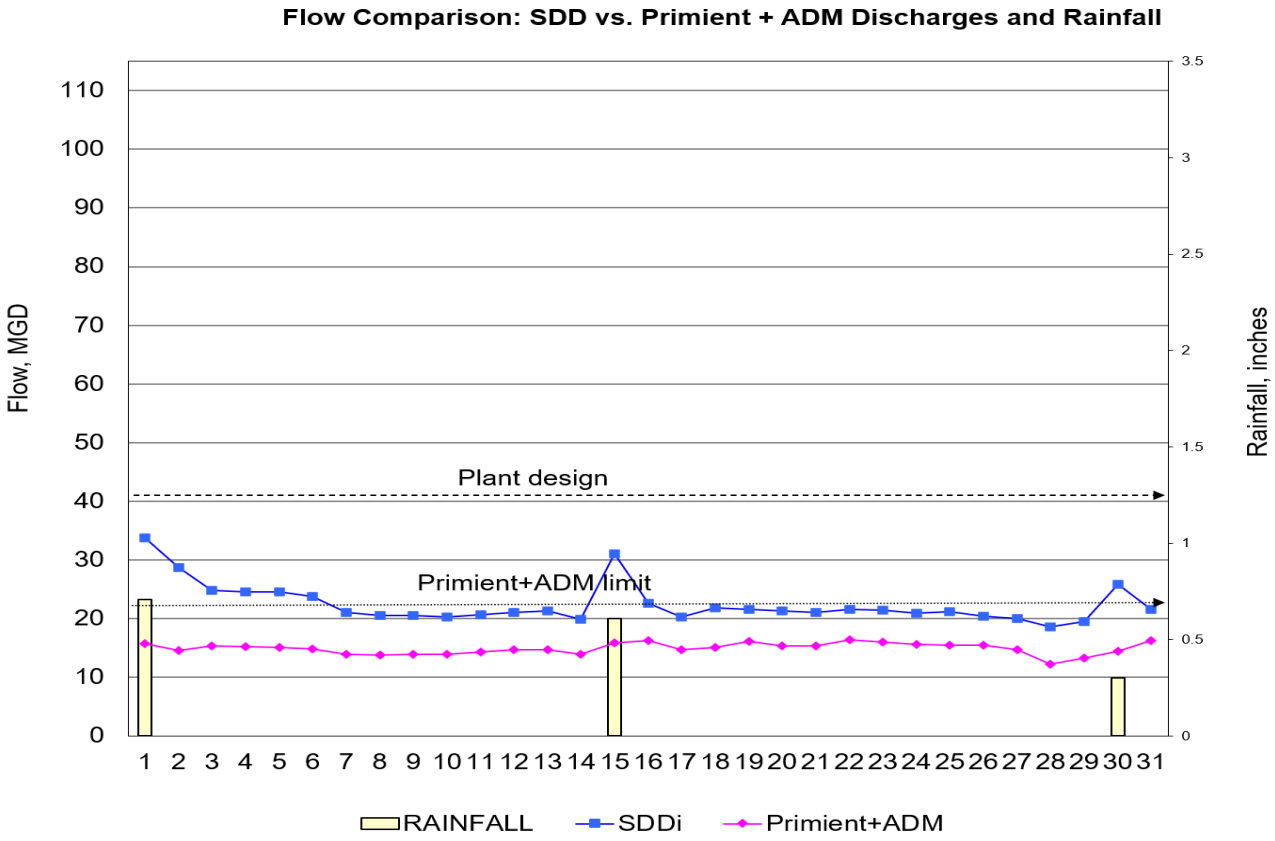
NARP/Integrated Planning:

The District and the City of Decatur continue to work collaboratively on the Regional Integrated Planning (IP) initiative. Efforts remain focused on documenting existing infrastructure challenges, identifying potential improvement projects, and developing a comprehensive stakeholder engagement strategy. Work on finalizing the stakeholder list, shared public engagement plan, and proposed Community Partnership Council continues.

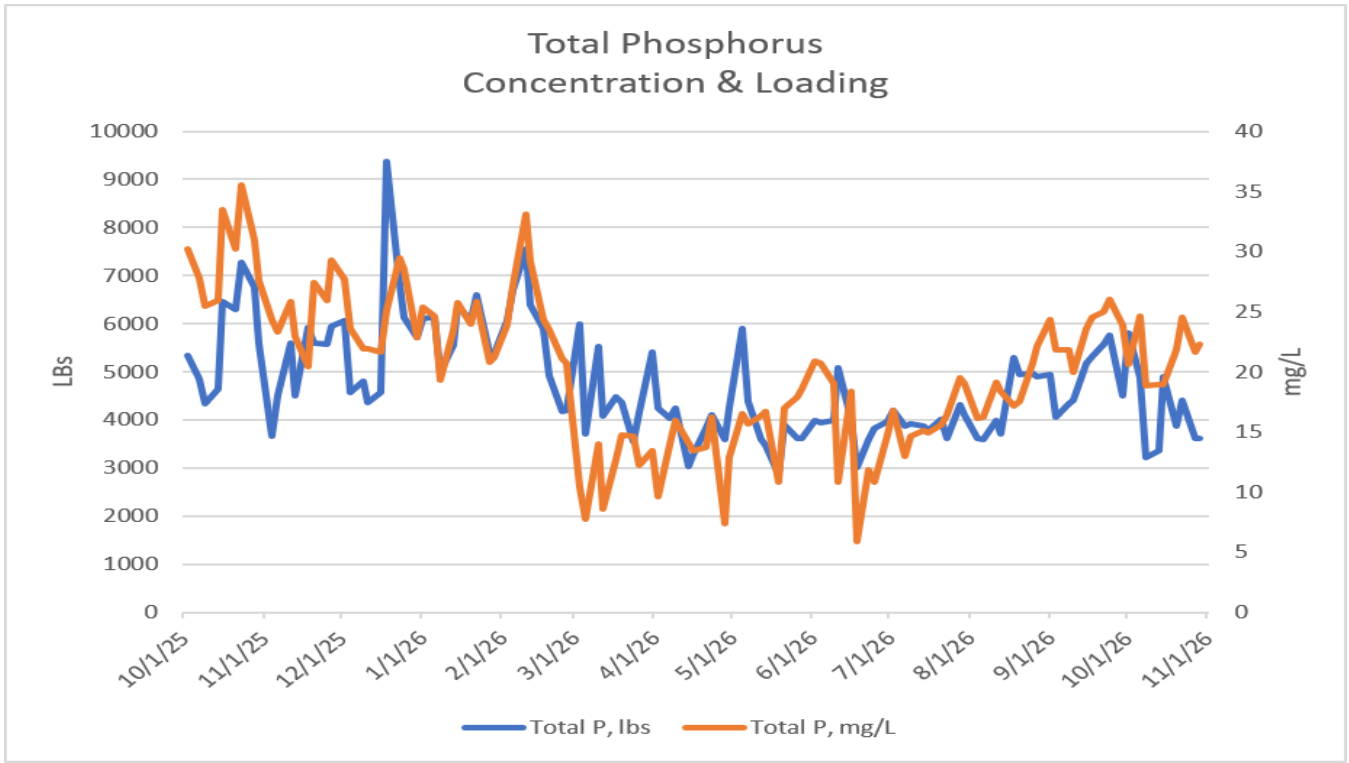
Plant Operating Graphs:



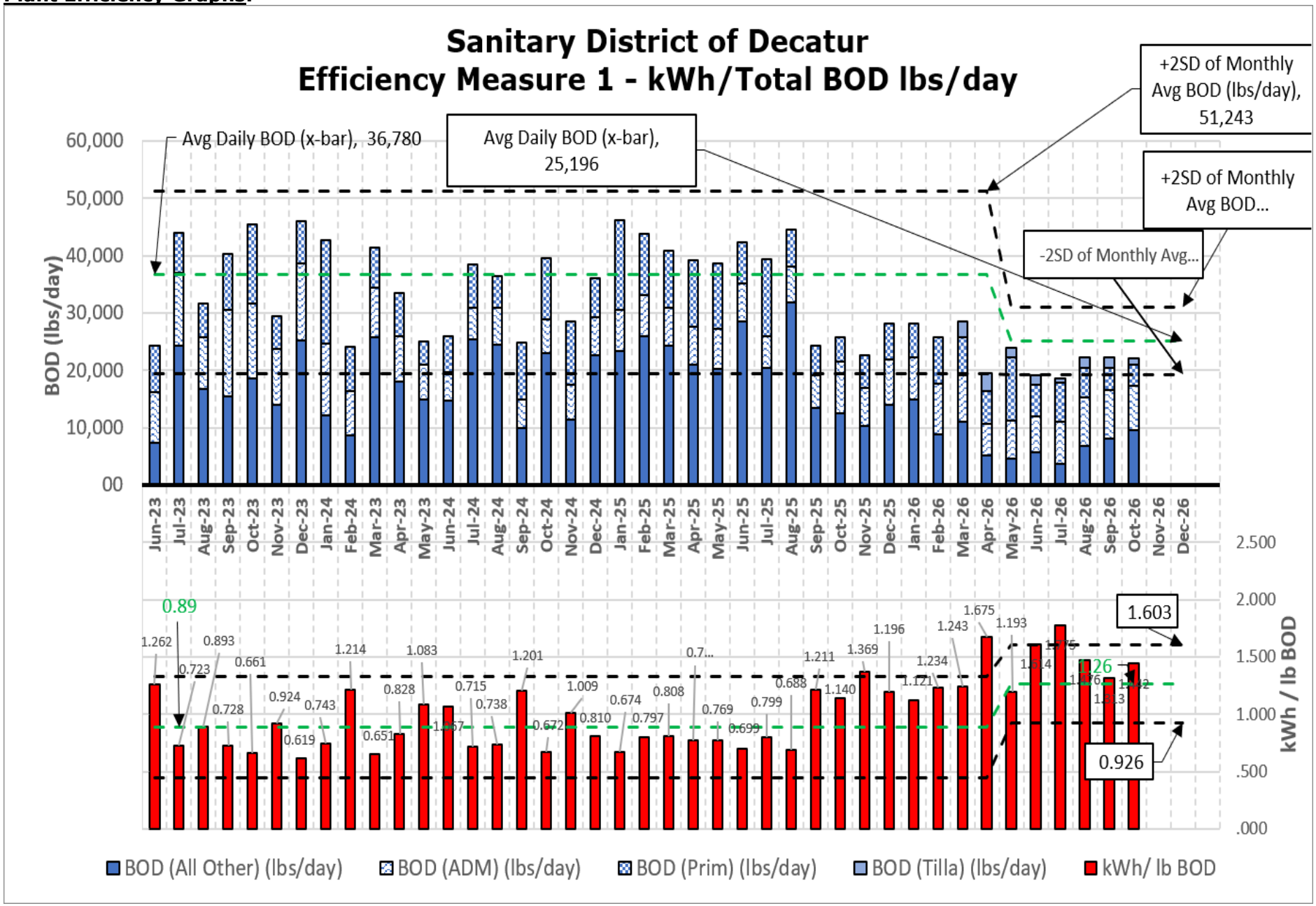




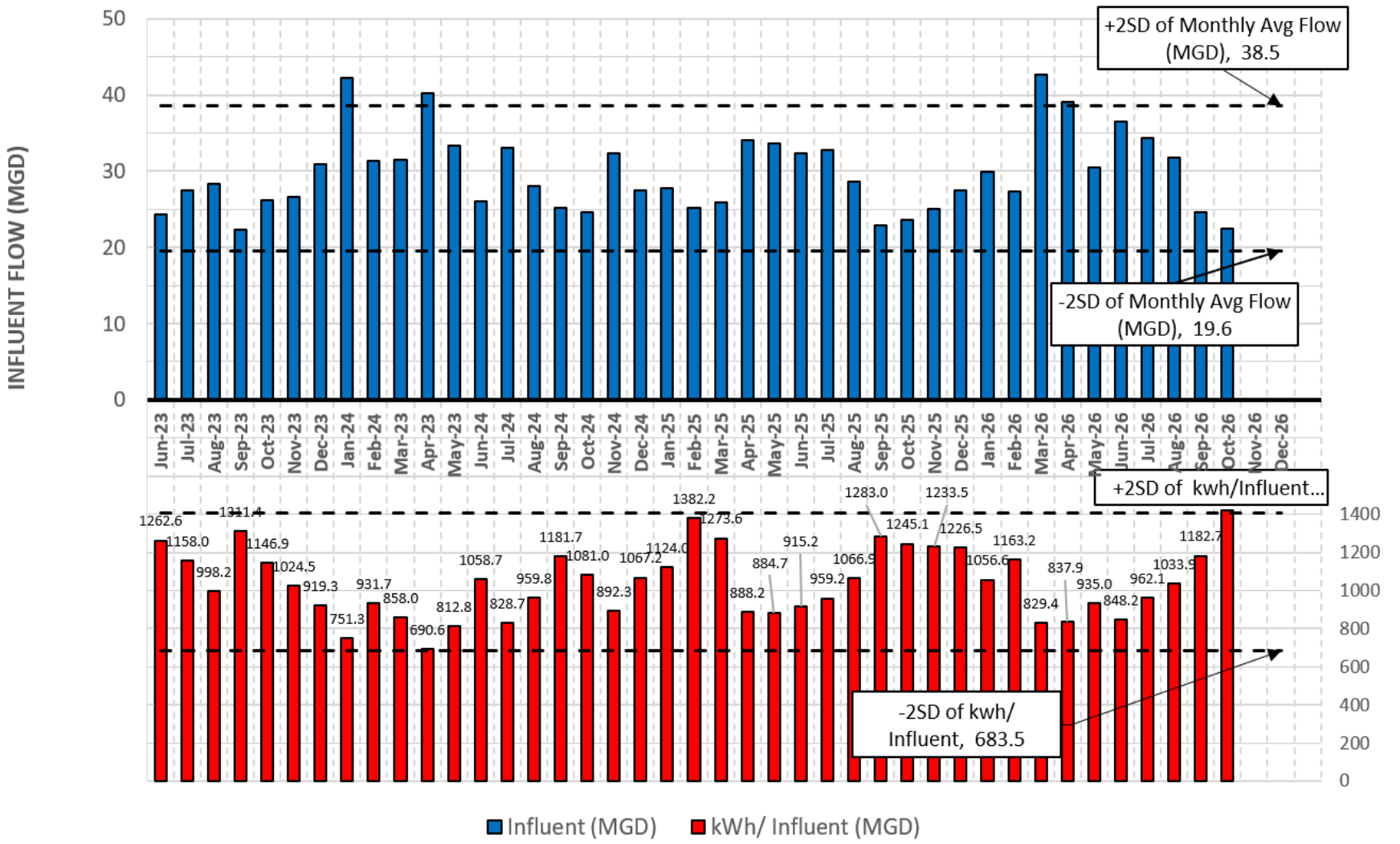
Phosphorus Tracking Graph:

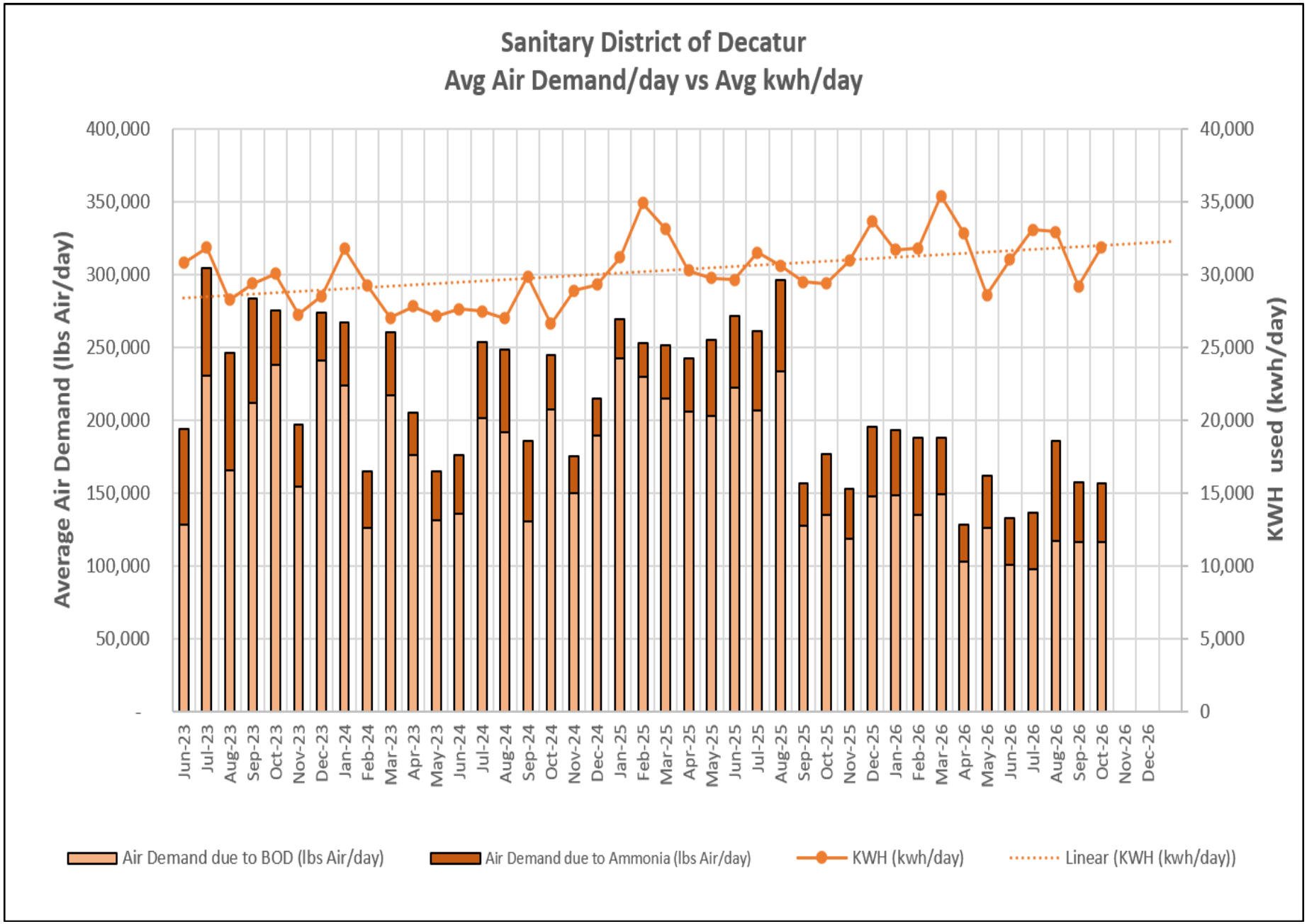


Plant Efficiency Graphs:



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




Sanitary District of Decatur
Avg Air Demand/day vs Avg kwh/day
Average Air Demand (lbs Air/day)
KWH used (kwh/day)
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Jun-23
Jul-23
Aug-23
Sep-23
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Jun-26
Jul-26
Aug-26
Sep-26
Oct-26
Nov-26
Dec-26
Air Demand due to BOD (lbs Air/day)
Air Demand due to Ammonia (lbs Air/day)
KWH (kwh/day)
Linear (KWH (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 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	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	**11/4/26**	
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	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

Black & Veatch
12400 Olive Blvd, Suite 507, Creve Coeur, MO 63141 USA
P +1 913-458-8707 E ArcherT@BV.com

November 11, 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 (October 3, 2026 through November 6, 2026)

Dear Mr. Miller:

This letter summarizes the work associated to the SDD Nutrient Program Management project for services from October 3, 2026 through November 6, 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 design clarifications from the bidding process.
    - Coordinated with the SDD's Construction Manager related to the upcoming construction project.
    - Coordinated with the SDD's funding consultant related to the upcoming construction project.
    - Assisted the SDD with a pre-bid meeting on October 14 for the Nutrient Reduction Improvements project that is currently bidding. Prepared a draft meeting summary for this.
    - Developed a draft of Addendum No. 2 for the project.
    - Initiated development of the pre-procurement packages for the large equipment on the Nutrient Reduction Improvements project.

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

November 11, 2026

During the period of October 3, 2026 through November 6, 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), specifically to address questions from bidders. Black & Veatch assisted the SDD with a pre-bid meeting on October 14 for the Nutrient Reduction Improvements project and prepared a draft meeting summary from this meeting. Additionally a draft of Addendum No. 2 was developed. Black & Veatch continued to coordinate with the SDD's Construction Manager and project funding consultant, as necessary. Black & Veatch also coordinated with the SDD regarding development of pre-procurement package for the large equipment on the Nutrient Reduction Improvements project.

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 October 3, 2026 through November 6, 2026

Subject	Date	Agenda Items
Nutrient Program Management Bi-weekly Meetings	Meetings held on 10/7/26, 10/22/26, and 11/4/26	*Objective*: Provide Status Update on Program Tasks • Detailed Design • Watershed Services • PowerBI
Nutrient Reduction Improvements – Pre-Bid Meeting	10/14/26	*Provide overview of the project and allow interested bidders to walk the project site.*
Construction Manager Coordination	10/15/26 and 10/28/26	*General coordination between SDD, Construction Manager (TYLin), and Program Manager (Black & Veatch)*