

Director of Compliance and Innovation Report

August 16, 2023

Plant Loading, CSO Report, and Director's Notes

Plant Influent Report

Biochemical Oxygen Demand, 5-Day (Avg. 43971 lbs/day)	69 percent of design
Total Suspended Solids (Avg. 79240 lbs/day)	73 percent of design
Average Daily Flow (27.46 million gallons/day)	67 percent of design
Maximum Daily Flow (43.74 million gallons/day)	35 percent of design

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	7/11	0
NH ₃ -N, mg/L	Mo. Avg/Weekly Avg/Daily Max	1.1/2.8/3.0	0.50/0.57/0.58	0
DO, mg/L	Wk. Avg/Daily Min	6.25/5.0	6.60/6.52	0
pH, S.U.	Daily Min/Max	6.0/9.0	7.68/7.96	0
Total Nickel, mg/L	Mo. Avg	0.0381	0.023	0
CL ₂ Residual, mg/L	Daily Max	0.05	<0.011	0
Fecal Coliform CFU/100mL	Daily Max	400	150	0

CSO Report

Location	Events	Est. Total Duration of Discharges (hrs.)	Discharge (million gallons)
Oakland Avenue (Outfall 003)	3	8.73	1.69
Lincoln Park (Outfall 004)	0	0	0
McKinley Avenue (Outfall 007)	1	2.5	1.71
Seventh Ward (Outfall 008)	0	0	0

Director's Notes:

Permit Exceedance:

On August 2, 2023, the District experienced an exceedance of the NPDES Permit limit for fecal coliform of 400 CFU/100 mls with a count of 2,050 CFU/100 mls. Subsequent investigation of the exceedance of such a large colony count led the District to believe there were two situations that occurred due to one event.

At 2pm August 1, 2023, an email was received from ADM stating that they discharged high ammonia the day before (Monday July 31st) and would be discharging even higher that day due to upsets at the West plant. Although they did not exceed their permit level, it was a substantial amount and fluctuation for our system. Nothing had been observed to be out of the ordinary at the time, but as soon as operations was made aware of the event blowers were turned up to react to the prior 48 hours of high ammonia coming in.

The fecal samples had already been collected that Tuesday (August 1st) around 9 am, and how hard the ammonia hit the system already was unknown. Once the count was observed the next day operations knew there was a larger problem for such an exceedance. Also, high nitrite numbers at the effluent were starting to be observed.

There are two main ways that high ammonia loading can interfere with our disinfection process. The first way is ammonia carryover from the nitrification process. Our disinfection process involves dosing chlorine and ammonia to produce monochloramines to disinfect our effluent. Generally little to no ammonia carries over from the nitrification process so we dose the chlorine and ammonia in a ratio of around 5:1 for optimum monochloramine formation. If excess amounts of ammonia carry over from the nitrification process, the ratio of chlorine to ammonia deviates from the optimum 5:1 ratio which can cause decreased monochloramine production. The amount of ammonia dosed into the system must be decreased in this situation to maintain proper disinfection.

The second way that high ammonia loading can interfere with our disinfection process is that high levels of nitrite can create a situation known as "nitrite lock". Nitrites are normally oxidized into nitrates in the aeration tanks, but if the dissolved oxygen demand is not met in the aeration basin Nitrobacter bacteria cannot perform the oxidation process. Nitrobacter bacteria generally reproduce more slowly so this can cause a lag period where the nitrite levels increase allowing nitrites to continue in the system.

Too many nitrites can then cause problems when the nitrites react with free chlorine, such that 1 mg/L of nitrite will consume 5 mg/L of free chlorine, making that chlorine unavailable for conversion into monochloramines. In this situation, poor disinfection will likely occur if the chlorine dosing isn't increased to compensate for the chlorine lost to the reaction with excess nitrite.

One caveat to both of these situations of interference caused by high ammonia loading is that overly increasing the chlorine dosing can actually make the situation worse. When the ratio of chlorine to ammonia exceeds the optimum 5:1 ratio, dichloramines and trichloramines can be formed which can also cause poor disinfection.

ADM should have given proper notice to the District Monday as soon as they knew the West plant was upset and would be interfering with their process. Proper notice would have allowed for process control changes to be made earlier to prepare for the high amount of ammonia coming in rather than having to be reactive.

Sanitary Sewer Overflow Report:

An air release valve vault to/from Wyckles lagoons was reported to have water flowing out of it on August 1, 2023. The East line was returning decant from the lagoons to the plant. Upon the call being received, the pumps were turned off immediately and the transfer was switched to the West force main. It appeared only 50 gallons of decant were released into the surrounding grass and soil, none making its way to the water of the state. The occurrence was reported to the IEPA as a Sanitary Sewer Overflow (SSO) within an hour of the incident.

After clean up, the cause of the overflow was found. It appeared bolts on a flange to an isolation valve next to an air release valve had rusted out allowing the flange to leak.

Staff Training Activities:

Austin Gruber and Ashley Bailey attended the Pretreatment Work Group on July 28, 2023, to share and suggest ideas with fellow pretreatment colleagues on pretreatment programs.

The District hosted the Central Illinois Professional Wastewater Operators (CIPWO) summer meeting on July 26, 2023. Tim Gordon, Ashley Bailey, Brent Deardorff, Austin Gruber, Chuck Roberts and Joseph Lundin attended the meeting. The meeting included presentations from two speakers on the topics over lift station communication programs and new innovative pump technology.

Operations, Laboratory, and Pretreatment Activity Reports – July/August 2023

Operations Activities:

Normal operational activities were conducted as prescribed by standard procedures or in response to conditions within the plant. These include operating, monitoring, and adjusting facility equipment, performing process control testing, records keeping, and coordination with the other departments to realize optimal performance of the Plant.

- 1) Digester #2- Operators have removed all the sludge that they can. Maintenance will finish pumping sludge but have experienced high methane levels in the attic space creating a safety concern.
- 2) Digester #3- Working with maintenance and INC to get the digester back online. Plan on refilling the digester with sludge the week of the 14th.
- 3) Disinfection has been touch and go due to the high levels of ammonia coming into the plant. Operators are adjusting the chemicals as needed to keep the usage down, but get the appropriate disinfection needed.
- 4) Operations staff continue to actively address PMs as time, workload, and staff levels allow.
- 5) Blower usage has still been increased due to low flows and higher concentrations of Ammonia and Nitrates. We continue to make adjustments to find something that helps lower usage.
- 6) Tim Gordon and Ashley Bailey participated in giving the Macon County Conservation District summer camp a plant tour of the outside operations and lab on July 27, 2023.
- 7) SDD hosted the summer CIPWO meeting and participated in giving the group a plant tour of the outside operations on July 26, 2023.

Laboratory Activities:

Routine:

A total of 2,058 analyses were performed in the laboratory during the month of July 2023.

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 twice a week throughout the month of July 2023 for the "COVID-19 in Wastewater" study funded by the Illinois Department of Public Health. A Zoom call was held on July 7, 2023, with the study participants and the researchers to discuss the results of the study thus far.
- 2) The quarterly sampling of the groundwater monitoring wells was conducted at the South Sludge Lagoons and Wyckles Lagoons during the second week of July 2023.
- 3) Keith Richard and Ashley Bailey attended the quarterly meeting of the Heart of the Sangamon River Ecosystem Partnership in Decatur on July 13, 2023. 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.
- 4) Matthew Patricio assisted with a plant tour for a group of kids from a Macon County Conservation District summer camp on July 27, 2023. The kids visited the SDD laboratory during part of the tour.
- 5) The SDD laboratory analyzed twenty-two stormwater samples during July 2023 for the Lake Decatur Watershed monitoring study. The study is part of the City of Decatur's "Lake Decatur RCPP Water Quality Initiative" project funded by the USDA Natural Resources Conservation Service's Regional Conservation Partnership Program (RCPP). The SDD is providing in-kind laboratory analysis of samples collected at the study's three monitoring sites after significant storm events.
- 6) The SDD laboratory/pretreatment collected and analyzed samples on July 24, 2023, for the ongoing nutrient study for Black and Veatch.

Pretreatment Activities:

Pretreatment - General Activities:

- 1) Pretreatment personnel monitored twelve commercial and industrial users (IU) during July 2023. No industry site inspections took place during July.
- 2) Bimonthly sampling for the Nutrient Study is ongoing. SDD personnel are utilizing our portable samplers to collect the extra samples from **Primient** and **ADM**.
- 3) **Industrial & Custom Powder Coating (ICPC)** permit number 325 was renewed at the July Board Meeting.
- 4) **Gulliford's Septic Service** was granted a renewed waste hauler permit in July.
- 5) Executive Order 22-002 concerning ADM's repeated discharge of FOG to the Lake Shore Pump Station was lifted in June following satisfactory completion of corrective actions according to the compliance schedule set forth in the Executive Order. A follow-up inspection at the West Plant was completed on July 31st by District personnel, and the work that has been completed and is continuing was deemed satisfactory.

Pretreatment Ordinance - Verbal Notices:

The SDD issued a total of 4 Verbal Notices to **Primient**, **ADM**, and **Stripmasters** in July 2023:

1. **Stripmasters** received a verbal notice and were Significantly Non-Compliant for failing to complete the 1st half of self-monitoring required by their permit.
2. **Primient** was issued two verbal notices, one with a \$1,000 fine due to discharging 25,199 pounds of Zinc on July 3rd. **Primient** was asked to submit a 5-day response letter detailing

their corrective actions to prevent future TSS and Zinc excursions, and that letter was not received within the 5-day deadline. The second verbal notice was subsequently issued for a late response.

3. **ADM** received a verbal notice with a \$1,000 fine due to discharging 42,731 pounds of BOD on July 18th.

Pretreatment Ordinance - Warning Notices (WN):

No Warning Notices were issued during July 2023

Pretreatment Ordinance - Notices of Violation (NOV):

No Notices of Violation were issued during July 2023.

Pretreatment Ordinance - Executive Orders:

No Executive Orders were issued during July 2023

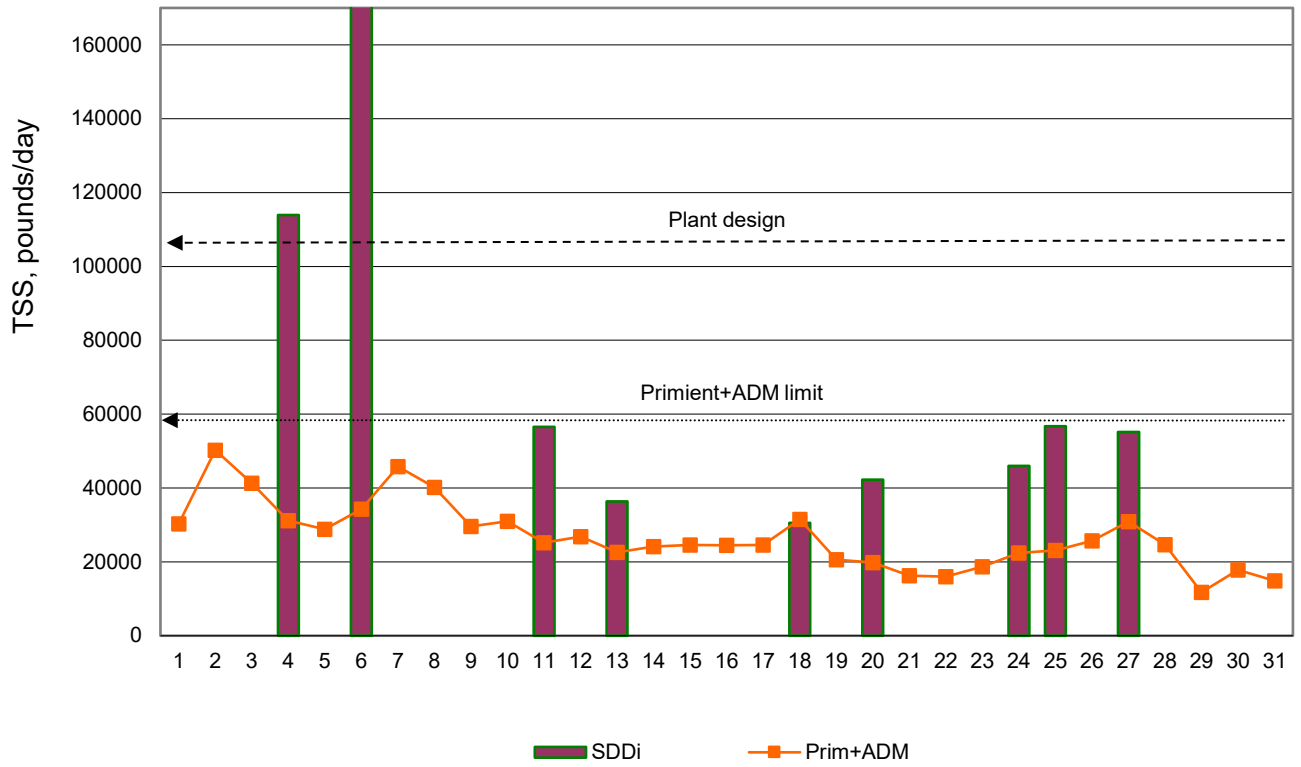
Pretreatment Ordinance - Penalty Assessments:

The following industrial penalties were assessed for July 2023:

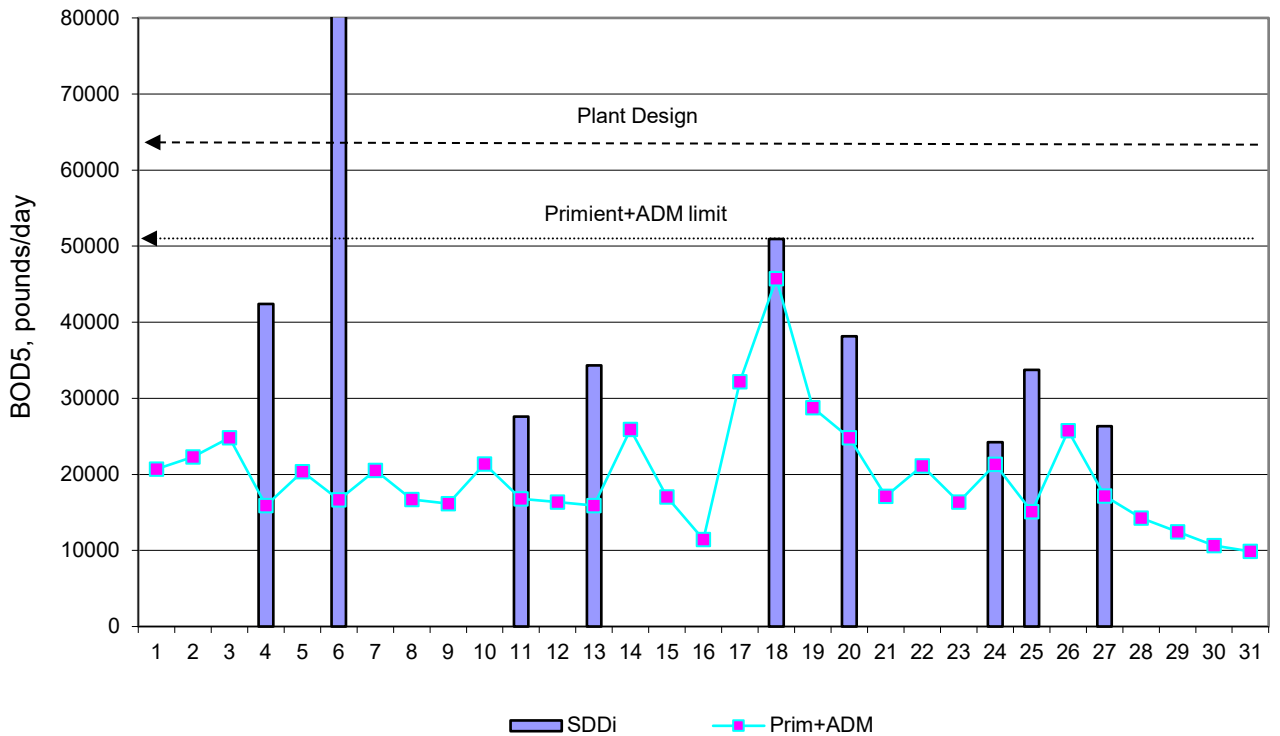
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|--------------------|----------------|
| 1) Primient | \$2,000 |
| 2) ADM | \$1,000 |

Plant Operating Graphs:

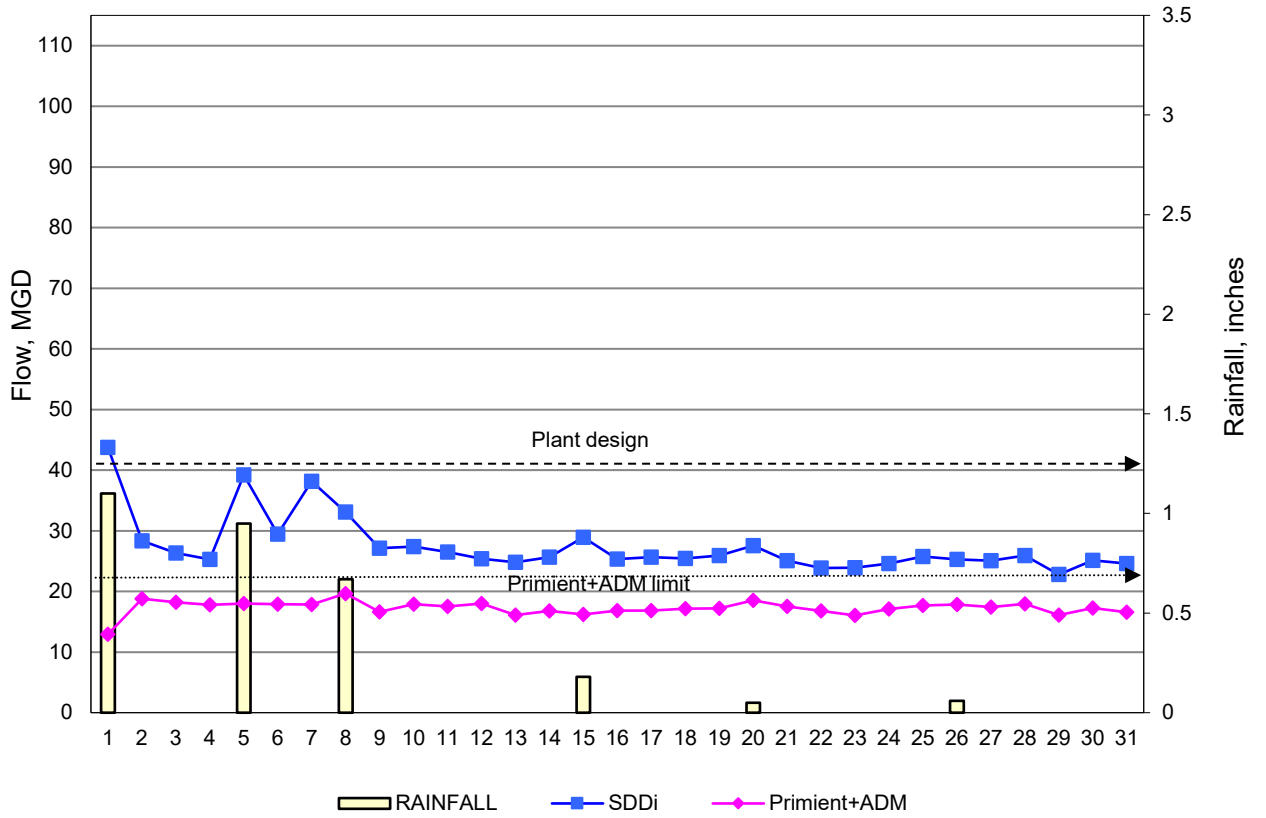
TSS Comparison: SDD Inf Primient+ADM Discharges



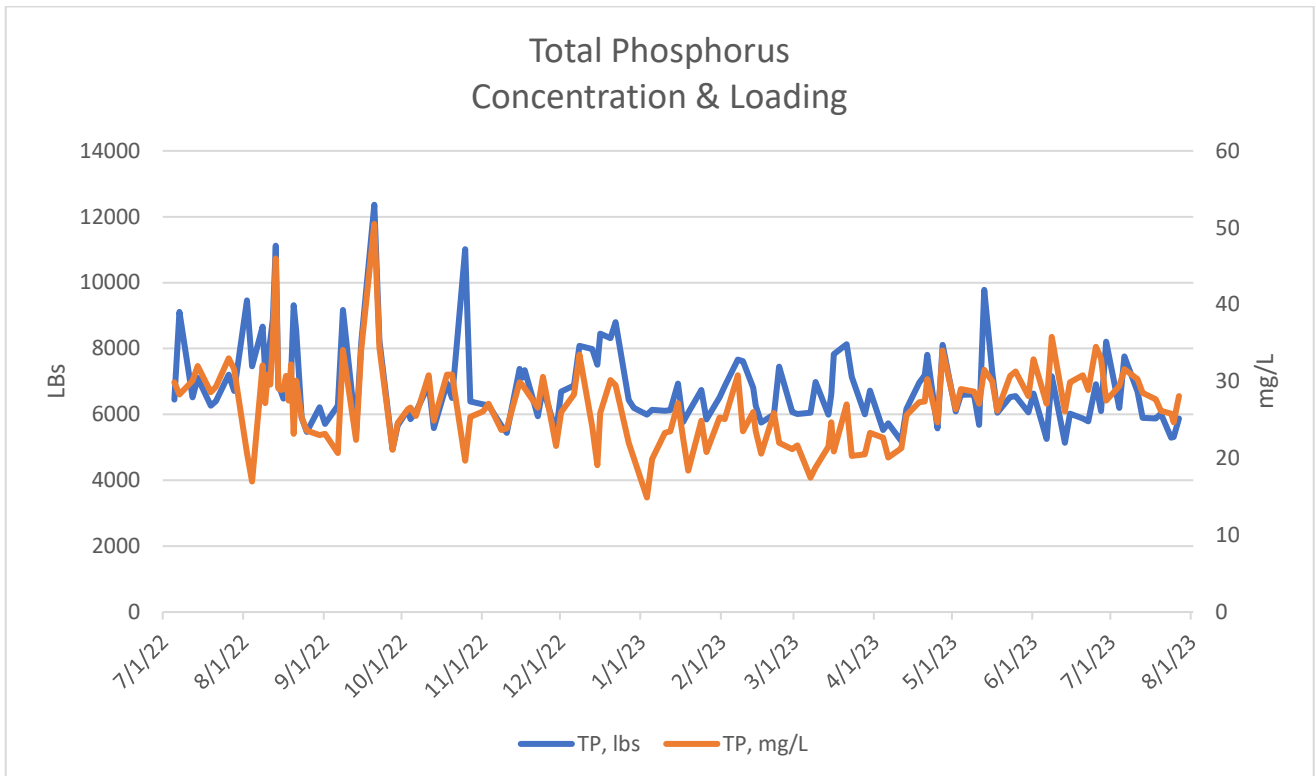
BOD Comparison: BOD Inf vs. Primient + ADM Discharges



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

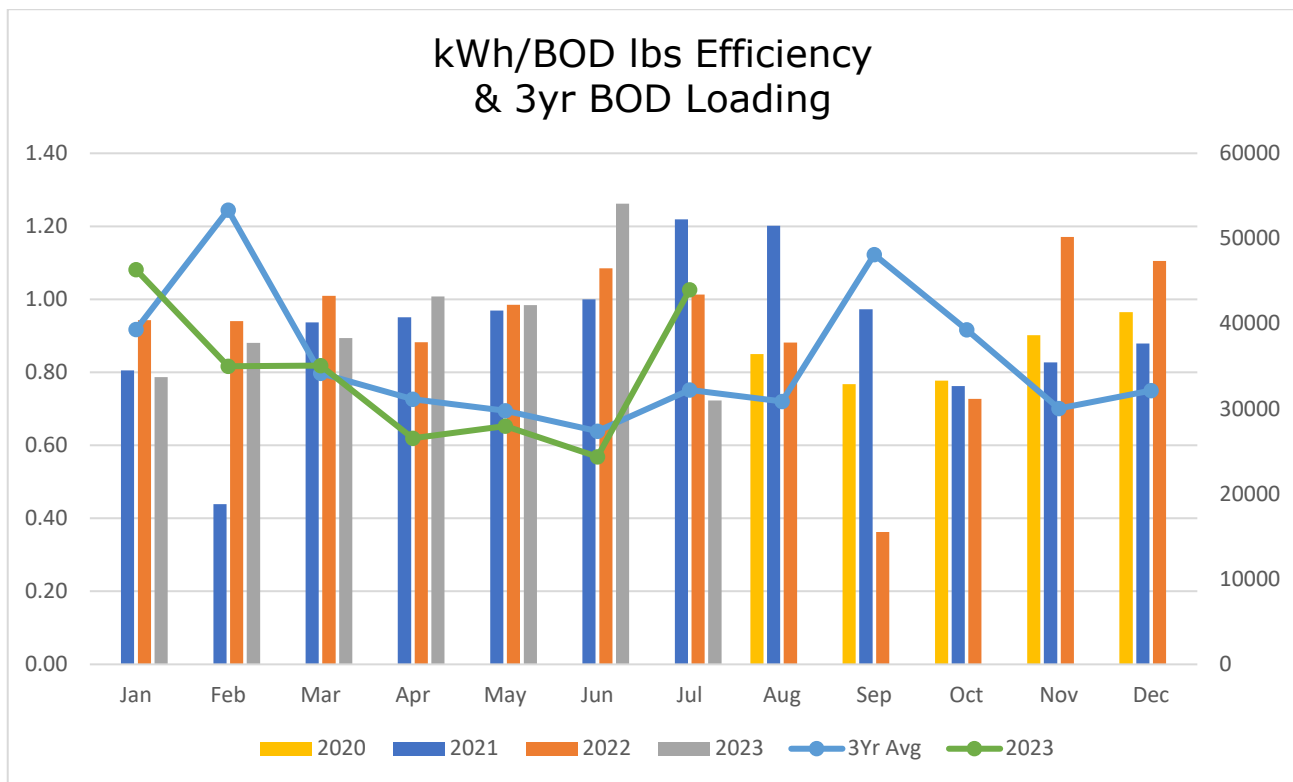
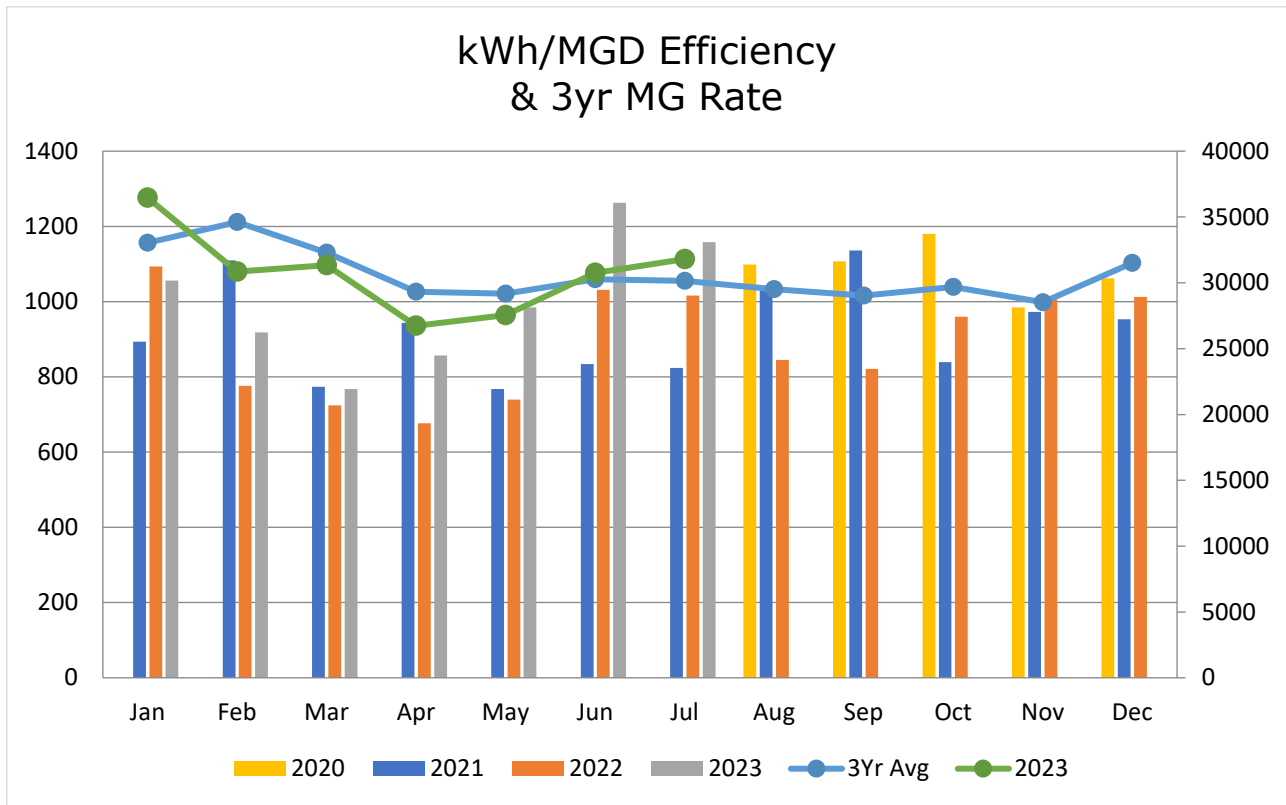


Phosphorus Tracking Graph:



Plant Efficiency Graphs:

July 2023



August 7, 2023

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
July Monthly Progress Update (July 1, 2023 – July 31, 2023)

Dear Mr. Miller:

This letter summarizes the work associated to the SDD Nutrient Program Management project for services from July 1, 2023, through July 31, 2023.

1. Program Management, Administration, and Coordination
 - Conducted bi-weekly program conference calls to update progress and discuss key issues.
 - Provided Monthly Project Update.
 - Attended July Board meeting (virtually) to provide program support and updates to the Board of Trustees.
 - Provided ongoing management of the project including program management, preparation/monitoring of the program schedule and budget as well as program administrative duties.
 - Continued to coordinate Power BI development including project data integration and dashboard development/revisions.
2. Pretreatment Program Update
 - Continued to evaluate special sampling data
 - Began the development of the Pre-treatment Program Update report in conjunction with Jacobs
 - Coordinated and attended the initial industrial nutrient strategy reduction meeting with ADM on July 17th, 2023, and Primient on July 25th, 2023.
 - Developed and provided follow up questions for distribution to ADM to gain further insight into their nutrient reduction strategies and what impacts it has on the Districts overall strategies.
3. Phosphorus Discharge and Optimization Plan (PDOP)
 - No Services were completed this period.
4. Watershed Support Services
 - Conducted bi-weekly progress update meeting.
 - Geosyntec continued their next steps associated with their Instream model for the NARP Study

- Geosyntec began the NARP outline and NARP process outline
- Continued initial planning efforts for the Watershed Group formation development
- Continued to provide support with the development of the Bylaws.

5. WRRF Upgrade Plan

- Solutions Development Solids Stream
 - i. Continued the development of TM 4 – BNR Solids Handling Evaluation which identifies and documents the comprehensive list of technologies evaluated in prior workshops.
 - 1. The technologies address solids handling upgrades required by the recommended liquid stream technology.
 - 2. TM will include the high-level costs estimates developed as part of the evaluation process for anticipated solids handling process changes.
 - ii. Received review comments on the draft Technical Memorandum for Phosphorus Based Land Applications of Biosolids.
 - 1. Incorporated SDD comments and resubmitted Final Draft for approval.
- Aged Infrastructure Evaluation
 - i. Completed summarizing and organizing the results of the onsite assessment.
 - ii. Established next steps and prioritized areas to include in additional discipline condition assessments.
 - iii. Evaluated historical data and detailed equipment data.
 - iv. Began summarizing the assessments that had been completed to date.
 - v. Began developing rehabilitation and replacement costs.
 - vi. Began coordination of additional structural evaluations.
- Plant Facility Evaluation
 - i. Continued detailed modeling efforts to evaluate and provide whole plant process model simulations related to the alternatives identified for nutrient removal.

6. Pilot and Demonstration Testing

- Completed submittal reviews for the pre-procurement of the long lead time equipment including frac tank rental, primary sludge pump, variable frequency drive, compressed air mixing equipment.
- Completed review for contractor submittals
- Prepared for and conducted the Construction Progress Meeting with Burdick (Contractor).

FRAC TANK PILOT PROJECT SCHEDULE	
MILESTONE/ACTIVITES	DATE
Receive comments from Vendors	January 27, 2023
Issue draft procurement packages for primary sludge pumps, bubble mixing and Frac Tank to SDD	January 31, 2023
Issue 50% Design Documents to SDD	February 24, 2023

FRAC TANK PILOT PROJECT SCHEDULE	
MILESTONE/ACTIVITES	DATE
SDD to Issue Procurement Documents to Vendors for Primary Sludge Pump, Bubble Mixing System and Frac Tank (rental agreement)	Week of February 27, 2023
Receive Quotes from Vendors for Direct Procurement	March 10, 2023
Issue Final Bid Documents for SDD Review / Approval	March 17, 2023
Issue Purchase Orders / Rental Agreements with Vendors	March 23, 2023
Advertise for Bids (16 days)	March 20, 2023
Bid Opening	May 9, 2023
Issue Notice to Proceed	June 21, 2023
Early Receipt of Pre-purchased Equipment Primary Sludge Pumps Big Bubble Mixing Frac Tank	November 2023
Substantial Completion (pending equipment delivery times)	December 2023
Final Completion	January 2023

Please feel free to contact me with any questions, comments or if you need additional information.

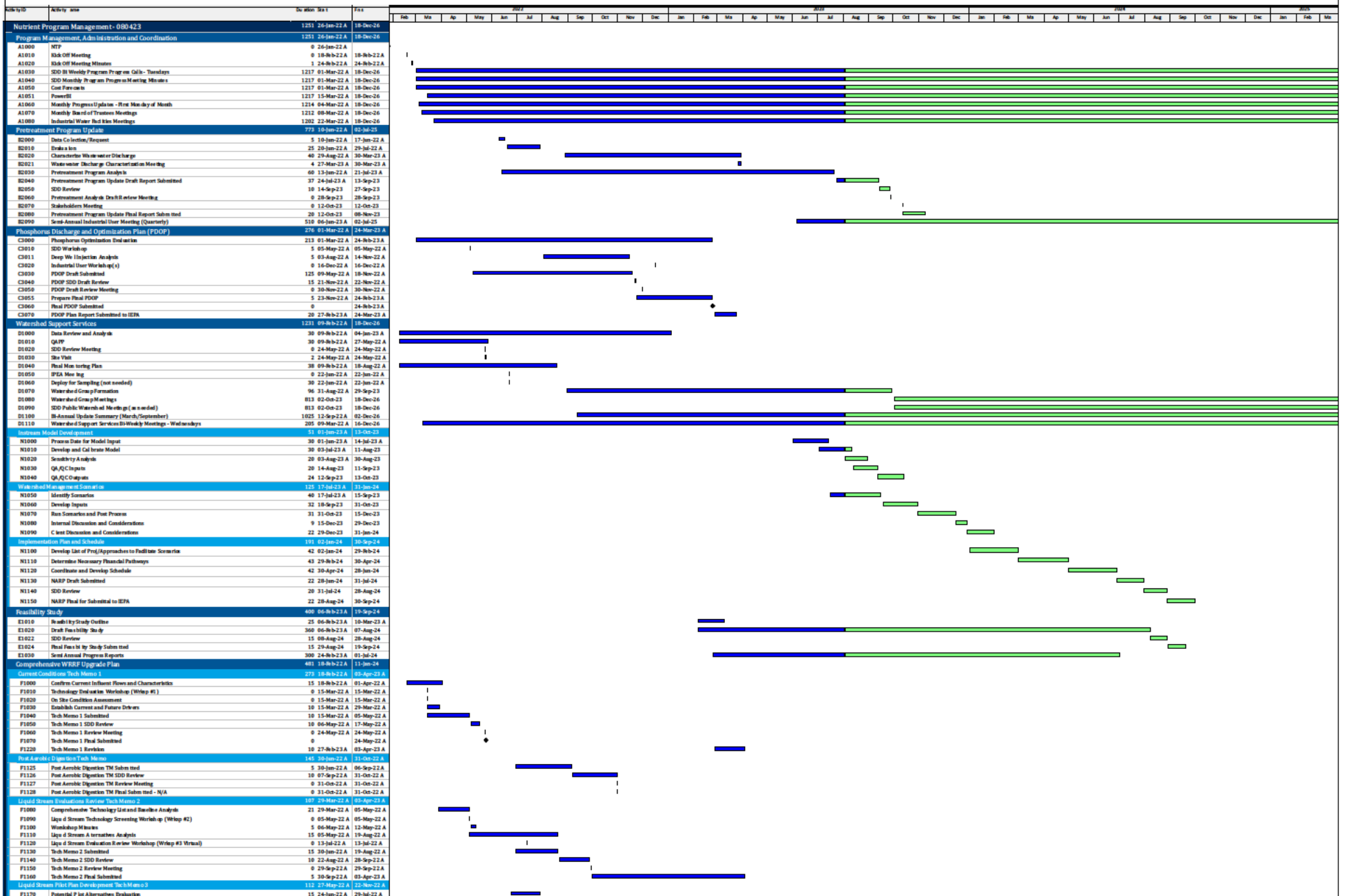
Sincerely,

Diane Grossenheider, P.E.
Project Manager, Black & Veatch

Enclosure(s):

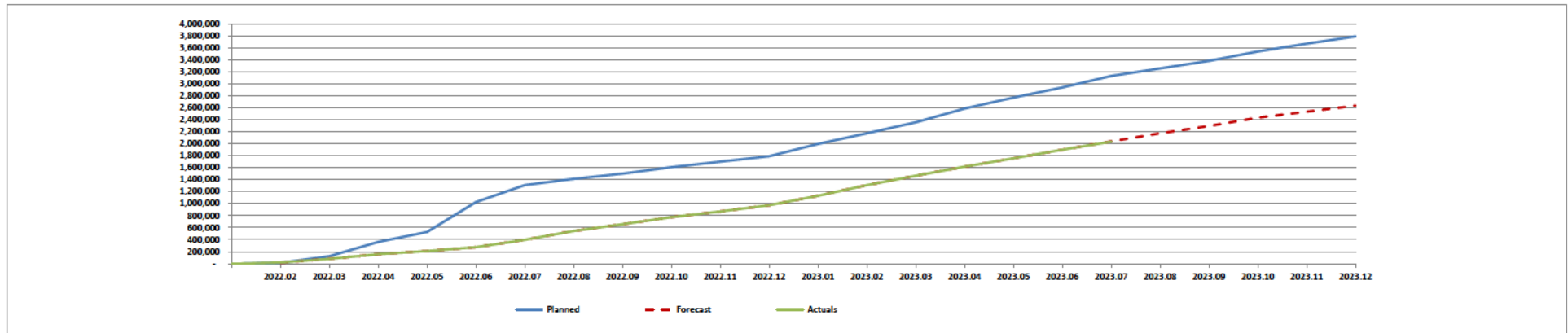
- SDD Nutrient Program Manager Schedule
- Anticipated Cost Forecast

Project: Nutrient Program Management - 080423



SANITARY DISTRICT OF DECATUR - NUTRIENT PROGRAM MANAGEMENT
2022 - 2023 COST FORECAST
 BV Project Number 411502

Incremental		2022.02	2022.03	2022.04	2022.05	2022.06	2022.07	2022.08	2022.09	2022.10	2022.11	2022.12	2023.01	2023.02	2023.03	2023.04	2023.05	2023.06	2023.07	2023.08	2023.09	2023.10	2023.11	2023.12	2022 Total	2023 Total	
		Planned	13,683	108,359	237,519	168,336	497,476	284,217	100,648	86,219	109,725	91,822	91,820	204,625	175,033	184,839	230,195	181,219	171,412	188,595	126,472	126,461	158,090	126,472	126,465	1,789,824	1,999,878
Actuals	16,724	60,831	77,995	54,608	61,865	125,355	145,679	112,979	118,381	94,677	105,543	155,812	179,053	152,247	155,630	138,917	142,510	137,166							974,636	1,061,335	
Forecast	16,724	60,831	77,995	54,608	61,865	125,355	145,679	112,979	118,381	94,677	105,543	155,812	179,053	152,247	155,630	138,917	142,510	137,166	133,883	125,267	136,583	100,391	100,389	974,636	1,657,848		
Task 1 Program Mgmt	Planned	4,631	18,589	25,171	20,169	20,164	25,213	20,168	20,170	25,211	20,169	20,167	20,050	17,010	17,014	21,263	17,010	17,012	21,267	17,010	17,012	21,263	17,012	17,012	219,622	199,885	
	Actuals	7,905	2,198	2,585	3,303	2,115	3,760	4,348	5,103	3,173	9,068	4,320	9,295	8,708	21,585	22,475	18,400	15,276	19,376						47,875	115,114	
	Forecast	7,905	2,198	2,585	3,303	2,115	3,760	4,348	5,103	3,173	9,068	4,320	9,295	8,708	21,585	22,475	18,400	15,276	19,376	17,010	17,012	21,263	17,012	17,012	47,875	204,423	
Task 2 Pretreatment Program Update	Planned	1,726	15,177	42,250	17,294	10,680	30,576	19,616	5,192	6,491	5,192	5,192	-	-	-	-	-	-	-	-	-	-	-	-	159,386	-	
	Actuals			705	470	470	235	-	353	430	430	1,450	4,250	4,715	8,238	7,625	2,330	40,696	9,115						4,543	17,203	
	Forecast			705	470	470	235	-	353	430	430	1,450	4,250	4,715	8,238	7,625	2,330	40,696	9,115	6,491	5,192	5,192			4,543	93,843	
Task 3 Phosphorus Discharge and Optimization	Planned	536	3,756	4,694	7,073	26,718	5,977	4,881	4,879	6,099	4,877	4,879	6,748	5,656	5,213	5,665	4,536	4,531	5,665	4,533	4,531	5,668	4,533	4,531	74,369	55,062	
	Actuals		1,290	3,755	3,508	1,613	235	4,645	8,731	8,100	10,948	3,898	4,760	6,665	1,045	-	-	-	-	-	-	-	-	-	-	46,721	12,470
	Forecast		1,290	3,755	3,508	1,613	235	4,645	8,731	8,100	10,948	3,898	4,760	6,665	1,045	-	-	-	-	-	-	-	-	-	-	46,721	12,470
Task 4 Watershed Support Services	Planned	6,790	61,631	12,107	4,040	193,891	22,817	18,255	18,250	22,817	18,253	18,251	5,383	4,569	4,567	3,760	29,712	29,705	30,850	29,712	29,705	30,850	29,709	29,707	397,102	258,229	
	Actuals	940	14,809	17,206	28,841	21,065	45,297	54,170	36,587	44,435	12,003	34,319	16,395	4,931	31,212	1,260	42,718	29,505	13,980						309,674	140,002	
	Forecast	940	14,809	17,206	28,841	21,065	45,297	54,170	36,587	44,435	12,003	34,319	16,395	4,931	31,212	1,260	42,718	29,505	13,980	29,712	29,705	30,850	29,709	29,707	309,674	289,685	
Task 5 Comprehensive WRRF Upgrade Plan	Planned	-	9,206	122,984	89,447	32,035	35,466	-	-	-	-	-	62,344	52,898	52,900	66,121	52,900	52,898	66,124	52,898	66,124	52,898	66,124	52,898	289,138	621,557	
	Actuals	7,879	42,534	53,745	16,778	36,223	74,878	81,756	59,461	42,065	47,294	28,643	60,035	67,250	65,345	116,523	71,274	49,148	67,288						491,254	496,861	
	Forecast	7,879	42,534	53,745	16,778	36,223	74,878	81,756	59,461	42,065	47,294	28,643	60,035	67,250	65,345	116,523	71,274	49,148	67,288	52,000	44,688	44,688	25,000	25,000	491,254	688,237	
Task 6 Feasibility Study	Planned	-	-	-	-	-	-	-	-	-	-	-	-	3,670	3,670	4,590	3,670	3,670	4,590	3,670	3,670	4,590	3,670	3,670	-	43,130	
	Actuals													775	1,128	-	-	-	-	-	-	-	-	-	-	1,903	
	Forecast													775	1,128	-	-	-	-	3,670	3,670	4,590	3,670	3,670	-	21,173	
Task 7 Pilot and Demonstration Testing	Planned	-	-	-	-	213,988	164,168	37,728	37,728	49,107	43,331	43,331	105,773	91,229	101,474	54,736	43,787	43,787	54,736	43,789	43,785	54,736	43,789	43,787	589,381	725,408	
	Actuals				1,710	380	950	760	2,745	20,178	14,935	32,914	61,078	86,010	23,695	7,748	4,195	7,885	27,408						74,572	218,018	
	Forecast				1,710	380	950	760	2,745	20,178	14,935	32,914	61,078	86,010	23,695	7,748	4,195	7,885	27,408	25,000	25,000	30,000	25,000	25,000	74,572	348,018	
Cumulative	Planned	-	13,683	122,042	359,561	527,897	1,025,373	1,309,590	1,410,238	1,496,457	1,606,182	1,698,004	1,789,824	1,994,449	2,169,482	2,354,321	2,584,516	2,765,735	2,937,147	3,125,742	3,252,214	3,378,675	3,536,765	3,663,237	3,789,702	1,789,824	3,789,702
	Actuals	-	16,724	77,554	155,549	210,157	272,023	397,378	543,057	656,036	774,417	869,094	974,636	1,130,448	1,309,502	1,461,748	1,617,378	1,756,295	1,898,804	2,035,971						974,636	1,061,335
	Forecast	-	16,724	77,554	155,549	210,157	272,023	397,378	543,057	656,036	774,417	869,094	974,636	1,130,448	1,309,502	1,461,748	1,617,378	1,756,295	1,898,804	2,035,971	2,169,854	2,295,121	2,431,704	2,532,065	2,632,484	974,636	2,632,484



**Sanitary District of Decatur
Nutrient Program Management Report**

August 16, 2023

During the month of July District personnel attended meetings with members of the Black & Veatch Team to affect progress in nutrient reduction planning and activities.

Currently, activities continue to surround the gathering and sharing of data and information so that all parties can assist in how to move the projects forward as efficiently as possible. In the month of July, the District continued to gather and forward all requested industrial special sampling lab results and plant performance data as requested by the B&V.

B&V concentrated on continuing their efforts associated to the analysis and evaluations of solid stream alternatives by continuing to develop their draft Technical Memorandum incorporating district input from a series of workshops. B&V has also continued to request, receive, and assimilate data provided by SDD for integration into a Power BI dashboard for the Program and updating the draft dashboard for SDD. ADM and Primient both held meetings to provide their initial nutrient reduction strategies to the District and B&V as part of the Industrial Pre-Treatment Program update Task. These meetings included the initial strategies each industry anticipated integrating in order to meet the regulatory requirements in addition to what strategies they were evaluating further. In addition, B&V has continued the development of their full facility model, continued moving forward with established next steps for the aging infrastructure evaluations, as well as began to assistance with construction phase services of the Frac Tank Pilot Study including leading the first construction progress meeting.

Below you will find a list of the actual meetings conducted in chronological order. The information 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 during July 2023

Subject	Date	Agenda Items
Nutrient Program Management Bi-weekly Meeting	07/5/2023	<i>Objective:</i> Provided Status Update on Program Tasks 1. Frac Tank Pilot 2. Power BI 3. Pretreatment Program Update 4. PDOP/Annual Progress Report 5. Watershed Services 6. Aging Infrastructure 7. WRRF Upgrade Plan
ADM Nutrient Reduction Strategy Update	07/17/2023	<i>ADM provided an update on their Nutrient Reduction Strategy</i>
Nutrient Program Management Bi-weekly Meeting	07/19/2023	<i>Objective:</i> Provided Status Update on Program Tasks 1. Frac Tank Pilot 2. Power BI 3. Pretreatment Program Update 4. PDOP/Annual Progress Report 5. Watershed Services 6. Aging Infrastructure 7. WRRF Upgrade Plan

Subject	Date	Agenda Items
Primient Nutrient Reduction Strategy Update	07/25/2023	<i>Primient provided an update on their Nutrient Reduction Strategy</i>
Fermentation Reactor Pilot Construction Progress Meeting	07/27/2023	<ol style="list-style-type: none">1. Submittal Status2. Request for Information3. Work Change Directive / Change Orders4. Pay Applications5. Additional Questions / Discussion6. Next Meeting

**Sanitary District of Decatur
Watershed Management Report**

August 16, 2023

During the month of July District personnel attended meetings with members of the Black & Veatch and Geosyntec Teams to affect progress in meeting the NARP requirements as listed in the NPDES permit as well as moving forward on the formation of a future watershed workgroup for the Middle Sangamon River.

Recent activities pertained to items necessary to complete the NARP Study. Foremost in these efforts included Geosyntec continuing their modeling efforts and next steps for the NARP Study in addition to the development/coordination of the Bylaws for the Watershed Group formation.

Below you will find a list of the meetings conducted. The information 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 during July 2023

<u>Subject</u>	<u>Date</u>	<u>Agenda Items</u>
Watershed Services Bi-weekly Meeting	07/12/2023	1. NARP Update 2. Discuss Illinois EPA Triennial Review of Water Quality Standards
Watershed Services Bi-weekly Meeting	07/26/2023	<i>Objective:</i> Provided Status Update on Watershed Services Tasks 1. Watershed Group 2. Instream Water Quality Model 3. Watershed Alternatives 4. Discussion/Next Steps