## September 2022

## **OPERATIONS' DEPARTMENT MONTHLY REPORT**

		LIFT	LOW		2022 VS 2021
PUMPAGE	2021	2022	2021	2022	HL
Total in MG	405.739	397.134	409.005	402.650	-2.12%
Daily Average (MG)	13.525	13.257	13.634	13.422	
Max. Day (MG)	15.314	16.024	15.236	15.985	2022 VS 2020
					HL
Gal/KwH	1,221	1,170	4,977	4,898	-0.11%
ELECTRICAL COSTS					
	2021			2022	
. Pumping:	KwH	\$	KwH	\$	
High Lift	329,321	\$23,192.41	336,584	\$25,238.08	
Low Lift	81,729	\$5,755.76	81,731	\$6,128.44	
Wash Pump 1	2,100	\$147.89	9,100	\$682.35	
Georgia St. Bstr.	51,900	\$4,595.26	57,300	\$5,670.57	
Wilgus Ave. Bstr.	3,000	\$775.56	3,200	\$429.62	
EE Pit / Bstr.	4,851	\$565.96	5,450	\$700.24	
Erie Ave. Bstr.	16,000	\$2,144.10	14,800	\$2,201.29	\$/KwH
Sub Total	488,901	\$37,176.94	508,165	\$41,050.58	6.2%
Sub Total	400,901	\$31,110. <b>3</b> 4	506, 105	<b>Ψ41,030.30</b>	0.270
Treat./Fiscal/Misc.	KwH	\$	KwH	\$	
Office & Maint. Bldg.	11,994	\$1,361.49	11,008	\$1,394.65	
Iter Plant / Pump Station / 2nd Service	47,650	\$1,361.49	45,585	\$1,394.65	
iter i lant / i ump station / znd service	47,000	ψυ,συσ.υτ	40,000	ψ+,003.03	\$/KwH
Sub Total	59,644	\$5,320.86	56.593	\$5,404.28	7.0%
		70,0=000	55,555	70,101	
Distribution:	KwH	\$	KwH	\$	
Taylor Hill Tank	357	\$58.31	350	\$61.98	
Kohler Meter Pit	0	\$0.00	0	\$0.00	
EE Tower	809	\$158.23	1,074	\$154.45	
Washington (PRV) Pit	228	\$45.81	204	\$45.64	
Sub Total	1,394	\$262.35	1,628	\$262.07	\$/KwH
Total Electrical Costs	549,939	\$42,760.15	566,386	\$46,716.93	6.1%
Electrical Cost / MG	110,000	\$105.39	,	\$117.47	
Ziodindai Godi, mo	<u>!</u>	ψ.σσ.σσ		<b>4</b>	
	2021			2022	
ATURAL GAS COSTS	CCF Used	Cost	CCF Used	Cost	
Production Facility			148	\$1,853.23	
South Basin	47	\$193.45	34	\$205.28	
Georgia St. Bstr.			29	\$53.97	
Erie Ave. Bstr.	0	\$28.60	0	\$29.59	
Wilgus Ave. Bstr.			0	\$16.21	
Office & Maint. Bldg.	288	\$264.23	434	\$592.51	\$/CCF
Total Natural Gas Costs	335	\$486.28	645	\$2,750.79	193.7%
Natural Gas Cost / MG		\$1.20		\$6.92	
	2021	1		2022	
CHEMICAL COSTS	Lbs. Used	Cost	Lbs. Used	Cost	
			56,162		20.20/
Alum Carbon	53,077	\$7,510.40 \$0.00	50,102	\$10,193.40	28.3%
Carbon Chlorine	8,971	\$6,189.99	9,177	\$0.00 \$13,581.96	#DIV/0! 114.5%
Fluoride	2,130	\$2,315.31	2,249	\$3,126.11	27.9%
KMnO4	2,130	\$901.73	2,249	\$914.33	0.0%
Cationic Polymer	0	\$0.00	0	\$0.00	#DIV/0!
Liquid Phosphate	3,523	\$4,657.41	4,883	\$7,705.37	19.4%
Total Chemical Costs	5,525	\$21,574.84	1,000	\$35,521.17	64.6%
Chemical Cost / MG		\$53.17		\$89.32	2
-				,	
	Grand Total	\$64,821.27		\$84,988.89	31.11%
	Total Cost / MG	\$159.76		\$213.70	33.76%
YTD HL 2022 vs 2021 0.05%	YTD HL HIGH DA	Y PUMPAGE	17.388	July 19, 2022	
VTD III 2022 vo 2020 7 700/	VTD ULLOW DA	VELIMENAGE	7 507	January 4, 2022	

	0.0070			• • • • • • • • • • • • • • • • • • •
YTD HL 2022 vs 2020	7.78%	YTD HL LOW DAY PUMPAGE	7.587	January 1, 2022

NOTE: Electrical costs include an Alliant Energy 8.3% rate increase approved by PSC. all WPS bills available.

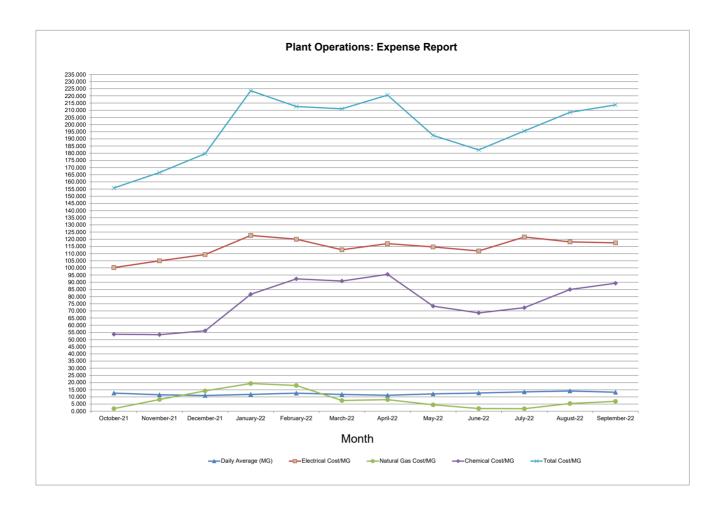
		YTD HL Ave Day
	2022	12.561
Not	2021	12.640
	2020	11.685

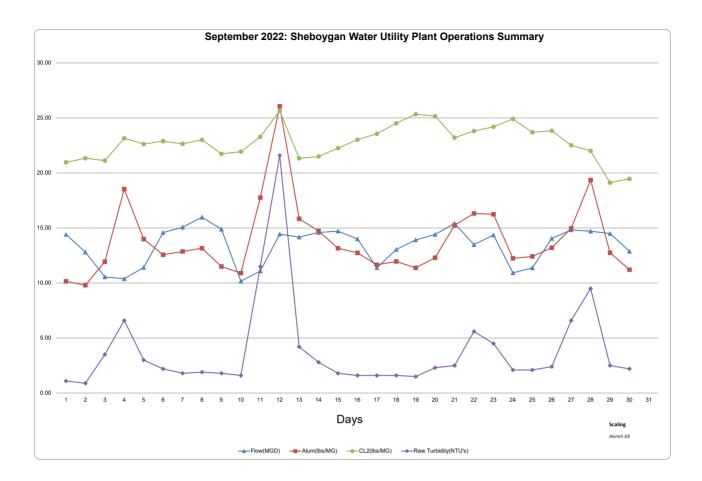
	I	COM	PARATIVE SUMMAR	RY OF PLANT OPER	RATIONS	]	
			September 2021	vs	September 2022	_	
Pumping Record	High	Lift			Low I	_ift	
· •	2021	2022	Diff.	1	2021	2022	Diff.
Tot. Water in MG	405.739	397.134	-2.12%	Tot. Water in MG	409.005	402.650	-1.55%
Daily Average	13.525	13.257	-1.98%	Daily Average	13.634	13.422	-1.55%
Maximum Day	15.314	16.024	4.64%	Maximum Day	15.236	15.985	4.92%
Minimum Day	10.582	9.923	-6.23%	Minimum Day	10.480	10.166	-3.00%
By Natural Gas	3.618	3.784	4.59%	By Natural Gas	2.200	2.367	7.59%
Power in KWH	329,321	336,584	2.21%	Power in KWH	81,729	81,731	0.00%
Gals. per KWH	1,221	1,170	-4.15%	Gals. per KWH	4,977	4,898	-1.61%
Power \$ / KWH	\$0.07042	\$0.07498	6.48%	Power \$ / KWH			
Power \$ / MG	\$57.16	\$63.46	\$6.30	Power \$ / MG	\$14.07	\$15.22	\$1.15
Tot. Power \$/MG	\$100.20	\$117.82	\$17.62	Tot. Power \$/MG			
Treatment Chem.	Lbs. U	Jsed				Cost	
Total Lbs.	2021	2022	Diff.	Total Cost	2021	2022	Diff.
Alum	53,077	56,162	5.81%	Alum	\$7,510.40	\$10,193.40	\$2,683.00
Carbon	,-	, -	#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	8,971	9,177	2.30%	Chlorine	\$6,189.99	\$13,581.96	\$7,391.97
KMnO4	247	251	1.42%	KMnO4	\$901.73	\$914.33	\$12.59
Polymer	0	0	#DIV/0!	Polymer	\$0.00	\$0.00	\$0.00
Liquid Phosphate	3,523	4.883	38.60%	Liquid Phosphate	\$4,657.41	\$7,705.37	\$3,047.96
_b/ MG:	0,0=0	1,000		Cost / MG:	¥ 1,001111	4.1.00.0.	<del>+ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - </del>
Alum	129.8	139.5	7.48%	Alum	\$18.36	\$25.32	\$6.95
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	21.9	22.8	3.91%	Chlorine	\$15.13	\$33.73	\$18.60
KMnO4	0.6	0.6	3.02%	KMnO4	\$2.20	\$2.27	\$0.07
Liquid Phosphate	8.6	12.1	40.79%	Liquid Phosphate	\$11.39	\$19.14	\$7.75
F			=				-
Fluoride:	2021	2022		Fluoride:	2021	2022	
Total Lbs.	2,130	2,249	5.59%	Cost	\$2,315.31	\$3,126.11	\$810.80
mg/l applied as F	0.78	0.73		Cost/MG	\$5.71	\$7.87	\$2.16
Av. Res. Plt. Tap	0.77	0.70	]	-			,
Water Quality:	Ra	w			TAF	<b>)</b>	
	2021	2022	]		2021	2022	1
Turbidity	2.80	3.80		Turbidity	0.055	0.040	
рН	8.21	8.31	]	pН	7.63	7.61	i
Alkalinity	110.3	109.1		Alkalinity	102.2	100.9	1
MF (E-Coli)	7.1	4.4	]	Plate Count	0.00	0.00	i
Temperaturé	57.0	59.2		Colilert	0	0	1
Wash-H20 % /LL	2.07	2.14	]	Temp.	60.8	62.6	i
Av. Flt. Run/hrs	113.4	96.8		Cl Res.	0.94	0.91	
Av. ROF / MG	1.40	1.49	]	-			,
	•						
Natural Gas:			-	-			
	2021	2022		_	2021	2022	Diff.
Nat. Gas Heating	0	-432	Plant & South Basin		\$959.01	(\$5,605.64)	(\$6,564.65
Nat. Gas Pumping	468	614		_	\$943.83	\$7,664.15	\$6,720.32
Г	CCF	Cost	Natural Gas Cost	Natural Gas CCF			
#3 Gas Pump	133.3						
πο Gas i uilipi	100.0	Ψ1,007.44	Ψ2,000.01	104			

	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	133.3	\$1,664.44	\$2,058.51	182
#4 Gas Pump	198.0	\$2,472.31		
#7 Gas Pump	122.5	\$1,529.58		
Electric Generator	160.0	\$1,997.82		
Pumping totals	613.8	\$7,664.15		

September 2022

						-			
		10/1/2022	9/1/2022				10/1/2022	9/1/2022	
% Run	Elapsed Time:				_	-			
75.5%	No. 6 Pump	69,272.9	68,729.2	543.7	SLUDGE 1	No. I Hour Meter	0.0	0.0	0
4.11%	Wash Pump Meter	5,539.35	5,509.78	29.57	SYSTEM I	No. 2 Mag Meter	5,982,150	5,611,560	370,590
0.7%	No. 7 Pump	777.2	772.3	4.9	F	Recycle Meter (Rese	t to zero each mon	th)	370,590
0.0%	No. 8 Pump	59,540.3	59,540.3	0.0				_	
99.2%	No. 9 Pump	22,562.0	21,848.0	714.0					
1.0%	Wash Pump 2	46	39	7	Power Cost	\$0.0749830	Bill >>>>	\$35,991.84	
	No. 1 Prime Pump	1,044.9	1,044.1	0.8	1 -	0.51655	KWH >>>	480,000	
	No. 2 Prime Pump	1,118.6	1,117.1	1.5	Init. Chg.	\$35,541.94	L	Low L. KWH	81,731
		,,,,,,,,,,	.,			\$	KWH	L.L. Cost \$	\$6,128.44
Kw/Hr run	Watthour Meters:	1	I		Kohler Pit	<u> </u>	10011	High L. KWH	336,584
307.7	Wash Pump 1	1277.1	1264.1	9,100	Horizon	\$139.82	904	H.L. Cost \$	\$25,238.08
59.1	No. 9 Pump	5679.75	5637.57		<del>-</del>	\$61.98	350	TI.L. Cost a	\$23,236.06
	· -		+	42,181	Taylor			T-4-1 04	<b>#04.000.54</b>
#DIV/0!	No. 8 Pump	6837.4	6836.4	350	ALT. 72 Park	\$516.55	1,000	Total Cost	\$31,366.51
72.1	No. 6 Pump	1079.2	939.2	39,200	Geo. Ave.	\$5,670.57	57,300		
6.7	Wash Pump 2	4.934	4.895	47	Wilgus Ave.	\$429.62	3,200		
539.5	No. 1 Pump	9274.059	9143.065	130,994	EE Pit	\$700.24	5,450	_	
219.3	No. 2 Pump	4781.320	4772.130	9,190	EE Tower	\$154.45	1,074	Plant Costs	\$4,009.63
283.3	No. 3 Pump	102.903	51.037	51,866	Washington	\$45.64	204		
#DIV/0!	No. 4 Pump			0	Office	\$1,394.65	11,008		
479.9	No. 5 Pump	10,547.865	10,403.331	144,534	Erie Ave.	\$2,201.29	14,800		
	· '-	.,		,	Total	\$46,856.75	569,290		
	Garage (MWatt/Hrs.)	1,068.53	1,066.72	1,810	]	, -,	,		
	Power Co. (Step #3)	37,820	37,425	474,000	7				
	Left Meter - OUTSIDE			,	<u> </u>				
	Volume Used:								
	Nat. Gas (Correct)	44,903,902	44,865,272	48,558	SUMMARY				
	` '_			•		HIGH L	.IFT	LOW LI	FT
						2021	2022	2021	2022
	Elapsed Time:				Tot. Pump	405.739	397.702	409.005	402.650
	Emer. Generator	1,047.0	1,039.0	8.0	Daily Ave.	13.525	13.257	13.634	13.422
					Max. Day	15.314	16.024	15.236	15.985
% Run	Elapsed Time:				Min. Day	10.582	9.923	10.480	10.166
33.7%	No. 1 Pump	17,198.1	16,955.3	242.8	By Nat. Gas	3.618	3.784	2.200	2.367
5.8%	No. 2 Pump	20,409.05	20,367.15	41.90	Power KWH	329,321	336,584	81,729	81,731
25.4%	No. 3 Elec. Pump	377.2	194.2	183.1	Gals/KWH	1221	1170	4977	4898
0.6%	No. 3 Nat. Gas Pump	548.1	543.8	4.3	Cost/KWH	\$0.07042	\$0.07498	*****	*****
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0	Cost/MG	\$57.16	\$63.46	\$14.07	\$15.22
0.6%	No. 4 Nat. Gas Pump	49.9	45.5	4.4	Tot. Cost/MG	\$100.20	\$117.82	*****	*****
41.8%	No. 5. Pump	22,060.470	21,759.270	301.200					-
0.1%	UV Building Generator	130.5	129.5	1	┪				
0.170	C v Dullding Ocherator	100.0	129.5						





HIGH LIFT DELIVERY	QUARTERLY REPORT	2022		
I. FIRST QUARTER	Jan - Feb - Mar	Ī		
_		GALLONS	COST \$	\$/MG
L	2021	1,055,591,000	\$181,125.65	\$171.59
[	2022	1,079,805,000	\$233,346.76	\$216.10
[	Percent Difference	2.29%	28.83%	25.94%
II. SECOND QUARTER	Apr - May - Jun	Ī		
II. SECOND QUARTER	Api - May - Juli	GALLONS	COST \$	\$/MG
[	2021	1,115,306,000	\$168,613.25	\$151.18
Г	2022	1,114,560,000	\$220,553.73	\$197.88
۱ -		1,114,000,000	Ψ220,000.10	ψ137.00
	Percent Difference	-0.07%	30.80%	30.89%
		•		
III. THIRD QUARTER	Jul - Aug - Sep	CALLONS	COST ®	¢/N A C
Г	2021	GALLONS 1,275,383,000	COST \$ \$191,262.23	\$/MG \$149.96
	2021	1,270,000,000	Ψ101,202.20	ψ1+3.30
L	2022	1,253,674,000	\$258,395.90	\$206.11
	Percent Difference	-1.70%	35.10%	37.44%
V. FOURTH QUARTER	Oct - Nov - Dec			
<u>-</u>		GALLONS	COST \$	\$/MG
L	2021	1,076,367,000	\$179,773.03	\$167.02
[	2022	0	\$0.00	#DIV/0!
Γ	Percent Difference	-100.00%	-100.00%	#DIV/0!
L				
VEAR TO DATE:	2022	ī		
YEAR TO DATE :	2022	GALLONS	COST \$	\$/MG
	2021	4,522,647,000	\$720,774.16	\$159.37
ELECTRICITY	2222	0.440.000.000	A740 000 00	A000 F0
CHEMICALS L NATURAL GAS	2022	3,448,039,000	\$712,296.39	\$206.58
[	Percent Difference	-23.76%	-1.18%	29.62%
YEAR TO DATE :	วกวว			
TEAR TO DATE:	LULL	GALLONS	COST \$	
ſ	2021	4,225,349	\$45,410.11	
SLUDGE DISPOSAL to WWTP	2022	3,191,190	\$25,471.76	
	Percent Difference	-24.48%	-43.91%	
STORM WATER CHARGES	2022	NA	\$0.00	
HIGH LIFT SYSTEM DELIVERY :				
IIIOII LIFT STSTEW DELIVERT	Maximum Pumpage Day	17,388,000	July 19, 2022	
			•	
L	Minimum Pumpage Day	7,587,000	January 1, 2022	

	MG	\$	\$/MG
2021	4,522,647,000	\$720,774.16	\$159.37
2022	3,448,039,000	\$712,296.39	\$206.58

## Filter Plant Maintenance Completed For September 2022

Subject	StartDate	EndDate	Yellow indicates days operating or running labs
Joshua on Vacation	1 Son 22	4-Sep-22	Joshua on vacation.
Joshua on Vacation Labor Day Holiday	1-Sep-22 5-Sep-22	4-3ep-22	Josnia on vacanon. Labor day holiday
Utility observed holiday	5-Sep-22		Labor day Iribudy Utility observed holiday
Rapid Mix Light	6-Sep-22		Diagnose and repair old rapid mix light; bad LED casing voltage drop?
Truck 6	6-Sep-22		Wash front end and fill tires w/air, needs LOF.
Filter 5	6-Sep-22		Collect requested tools for filter 5 inspection.
Garbage	6-Sep-22		Throw out plant garbage and recycling.
Front Hall	6-Sep-22		Clean front foyer area.
Filter Hall Bathroom	6-Sep-22		Clean filter hall bathroom.
Erie Ave.	6-Sep-22		Collect samples and walk grounds. Collect sample, walk grounds, and empty dehumidifier.
Taylor Hill	6-Sep-22 6-Sep-22		Collect sample, waik grounds, and empty denumidiner.  Collect sample and repair no-flow issue on SWAN hypo meter.
Georgia Ave. Horizon Ave.	6-Sep-22		Collect sample and replace hypo meter reagents.
Joshua Covering Laboratory	6-Sep-22	6-Sep-22	Joshua covering distribution samples for Eric.
Dakota Supply Group	6-Sep-22	O COP EE	Purchase 3/8" x 24" drill bit and order magnetic drill/cutters.
Pressure Test Filter 6, 10, and 11	7-Sep-22		Attach gauge to wash line and gather pressure information during wash cycles to check filter condition.
Filter 6, 10, and 11.	7-Sep-22		Bleed rate of flow and loss of head meters.
Dan Covering Laboratory	7-Sep-22	7-Sep-22	Dan covering laboratory for Eric.
EE Tower	7-Sep-22		Collect distribution sample and inspect grounds.
Horizon Tower	7-Sep-22		Collect distribution sample and store new reagent set.
Georgia Ave. and Indiana Ave.	7-Sep-22		Collect distribution samples.
Plant Filter Meeting Filter Information	8-Sep-22	1	Continue discussing filter repair/replacement options.  Research filter diagnostic strategies, record Wednesdays information, and order new 2 ½" 0-30psi gauges.
Menards	8-Sep-22 8-Sep-22	1	Hesearch filter diagnostic strategies, record vecinesdays information, and order new 2 ½ "0-supsi gauges.  Purchase steel fluoride service door and handle set.
Filter Cap	8-Sep-22		rucrases seen nuonde service door and nande set. Experimental cleaning of two filter caps; top only @ 9.8 pounds, top and bottom 10.6 pounds.
Filter 5	9-Sep-22	1	Ascuma round leopold top, pulled cap, weighed, washed both sides, attempted to install IMS top onto manifold; not an easy fit.
Filter 5	9-Sep-22	Ì	Removed one leopoid top, measured weight, reinstalled and pressure washed in, removed top and measured weight again; so far .8 pound difference.
Alum Bulk Room	12-Sep-22		Install insulated panel at garage access point.
Security and JSM	12-Sep-22		Check door contact switches and assist JSM.
Garbage and Recycling	12-Sep-22		Throw away garbage and recycling.
South Basin Bulk Area	12-Sep-22		Install south basin bulk area insulation wall.
Menards	12-Sep-22		Purchase metal cap, seal tape, and caulk for fluoride door install.
Fluoride Room Service Door	13-Sep-22		Begin installing fluoride room service door.
Fluoride Service Door	13-Sep-22		Trim out door with marine grade lumber and seal tape.
Fluoride Service Door	13-Sep-22		Finish installing fluoride service door. Clean tools, organize inventory, and prep parts for future projects.
Maintenance Shop	13-Sep-22 14-Sep-22		Clear it obts, organize inventionly, and prep parts for induce projects.  Dan and Joshua heading in Madison for conference.
WIAWWA Annual Conference 2022 End of Month Report	19-Sep-22		Generate and send end of month report.
Filter 5	19-Sep-22		Begin game planning Leopold bottom flush.
Taylor Hill	19-Sep-22		Replace reagents, clean NTU meter, run doghouse heater, rinse hypo meter, walk upstairs ring, and empty dehumidifier.
Georgia Ave.	19-Sep-22		Check reagents, walk grounds, sweep interior, and apply insect repellant.
Monday Meeting	19-Sep-22		Discuss filter 5 repair, SMART goals, coverage, etc.
Filter 3	20-Sep-22		Install pressure gauge on effluent stack.
trouble shooting DR5000	20-Sep-22		Trouble shooting error on DR5000 in lab
Smart goal pump books	20-Sep-22		Working on chemical feed pumps S.O.P books for chemical feed areas
Conduit by Filter 10 Frie Ave.	20-Sep-22 20-Sep-22		Install 3 new 1 ½" strut clamps. Check reagents, inspect gas engine, walk grounds, etc.
Menards	20-Sep-22		Purchase ½" stainless valves, 1 ½" strut clamps, and 7 ½" circular saw blades.
Filter 6	20-Sep-22		Remove pressure gauge on upstairs sample point, insulate, and adjust flow.
Filter 1	21-Sep-22		Install psi gauge, filter wash, and collect pressure data for filter health check.
Filter 2	21-Sep-22		Install filter psi gauge, wash filter, and collect pressure data for filter health check .
Kwik Trip	21-Sep-22		Fuel up truck 6.
Dakota Supply Group	21-Sep-22		Purchase parts for ortho tank and price check on valve turner.
Ortho Tank	21-Sep-22		Fabricate sensor socket for ortho tanks; Mark SMART goal.
Dan operated 1/2 day	21-Sep-22	21-Sep-22	Dan operated afternoon day shift
Phosphorus reagents	21-Sep-22	ļ	Made phosphorus reagents for swan unit in lab
Computer ontech linkup	21-Sep-22	<del> </del>	Link up with ontech to fix computer printer issues on maintenance computers
Dans Smart goal	21-Sep-22	1	Dan working on smart goal Sweep floors and vacuum.
Old Rapid Mix Garbage	22-Sep-22 22-Sep-22	1	sweep noors and vacuum. Throw out garbage and recycling.
Filter 4	22-Sep-22	1	Install psi gauge, filter wash, and collect pressure data for filter health check.
Filter 7	22-Sep-22		Install psi gauge, filter wash, and collect pressure data for filter health check.
Fluoride Building	22-Sep-22		Begin priming fluoride building: SMART goal.
UV Reference Check	22-Sep-22		Perform UV reference sensor check; East bulbs are running at 45% (Normal 30%-33%).
Dan SMART Goal	22-Sep-22		Continue working on SMART goal.
East UV Reactor	26-Sep-22		Drain unit, clean sleeves, and run for 15 minutes to check operation; 2 units were broken, we installed two used sleeves.
DR5000	26-Sep-22	ļ	Continue diagnosing error 15.
Filter Hall Comparator Jar	26-Sep-22	1	Shutdown 3" and 6" RPZ lines to rod out tap Jar feed line.
Monday Meeting	26-Sep-22	1	Topics include raw water improvement, coverage, UV reactor sleeves, filter 5, etc.
Filter Hall Floor Ops Chair	26-Sep-22 27-Sep-22	1	Sweep, take out garbage, and wash filter hall floor. Assemble new office chair.
DR5000	27-Sep-22 27-Sep-22	1	Assemble new omice chair. Continue diagnosing dr5000 inop; swapped 20w bulb from dr6000 and had everything work. Suspect 20w bulb needs to be 350 lumens not the 280 on shelf.
20" Line Service	27-Sep-22	1	Bleed 20' line in outside venturi pit for raw water improvement.
Josh covered 2nd shift	27-Sep-22	27-Sep-22	Josh covered 2nd shift for tyler
System Tap NTU Meter	28-Sep-22		Clean NTU meter feed line and meter; desiccant was swapped last night.
Filter Plant Thermostats	28-Sep-22		Check and repair 3 filter plant thermostats.
Filter 3	28-Sep-22		Install psi gauge, filter wash, and collect pressure data for filter health check.
Filter 9	28-Sep-22		Install psi gauge, filter wash, and collect pressure data for filter health check.
Filter 8	28-Sep-22	ļ	Install psi gauge, filter wash, and collect pressure data for filter health check.
Filter #5 Cap removal and cleaning	29-Sep-22	1	Removed all filter caps and vacuumed part of the under drain system
Josh off for coverage	30-Sep-22	}	Josh off for coverage Filter 5 underdrain vacuumed and cleaning.
Filter 5 underdrain cleaning	30-Sep-22	ı	Jriller o underdrain vacuumed and deafling.