



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

Tel 850.682.0829

Fax 850.682.1577

March 31, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of February 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of February 2023:

MONTHLY SUMMARY

- The monthly DMR for February was submitted with no exceedances.
- Chlorine use for the month was 963 gals or an average of 34 gals a day.
- The quarterly Biosolid Fecals passed!!!!!!
- The belt press filled 18 dumpsters for a total of 38.54 tons of biosolids.
- Both the RIB 6 and Biosolids upgrades are moving forward.

MAINTENANCE/REPAIRS

- Prep work has begun at Llyod St. on the valve and check valve replacement for pump 2.
- The Master Lift Station has been cleaned.
- The new starter has been installed for the 3.4 hp KSB mixer for the master lift station and it's back online.
- The 24" valve and pipe between the Master Lift Station and the influent manhole has been replaced

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for February 2023.

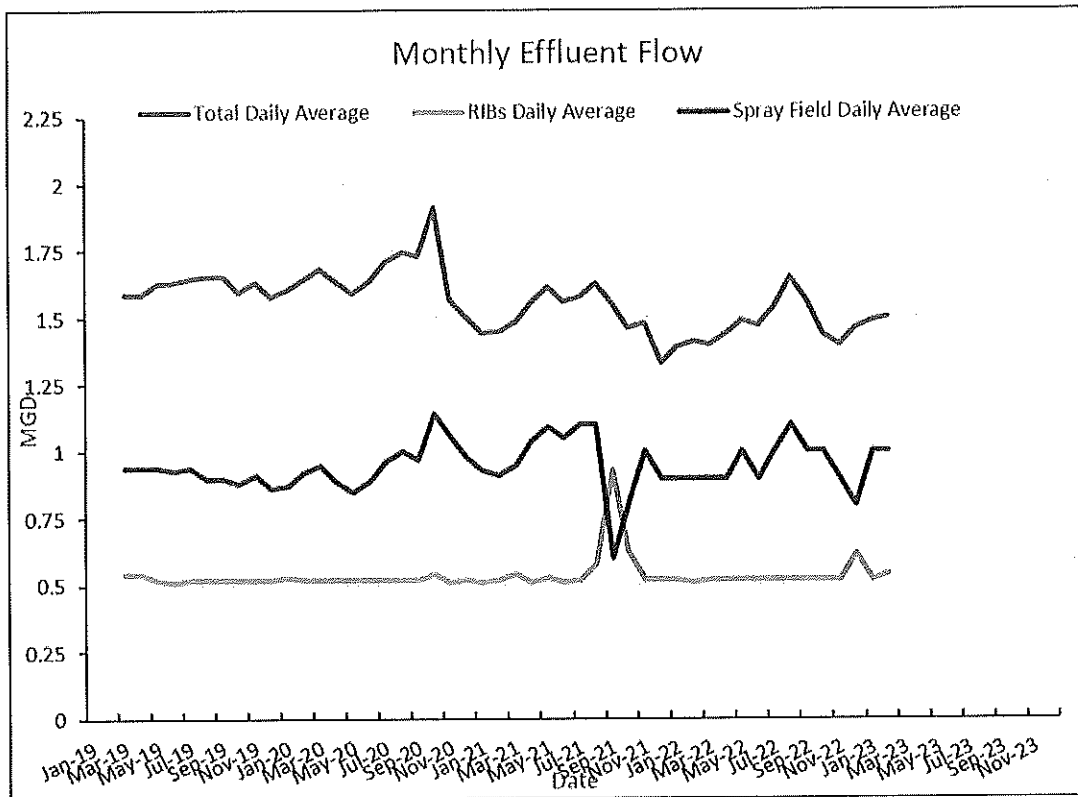
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	1.0	1.53 mgd max.
Flow to RIBS	Daily average	0.54	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.50	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	6.13	30.0 mg/L
Total Suspended Solids	Monthly average	2.10	30.0 mg/L
Nitrate Nitrogen	Maximum	0.30	12.0
Nitrogen, total	Maximum	10.50	Report
Phosphorus, total	Maximum	0.32	Report
Fecal Coliform	Monthly average	1	200 /100ml
	Monthly maximum	3	800 /100ml
PH	Monthly minimum	7.1	6.0 s.u.
	Monthly maximum	7.5	8.5 s.u.
Chlorine	Monthly Average	.91	0.50 mg/L
Rainfall	Total Inches	1.74	N/A
Biosolids transported	24/7	38.54	Report D.T.
INFLUENT BOD	Monthly average	388	Report
INFLUENT TSS	Monthly avg/max	331/358	Report

The process efficiency averaged 98.43 removal of CBOD, and 99.37% of TSS for the month. Monthly percent capacity for the Crestview facility is 56.18%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	93,556.00	(61,722.00)
Chemicals	50,000.00	100%	100%	25,226.00	(24,774.00)
Solids Handling	110,000.00	100%	100%	50,700.00	(59,300.00)
Repairs	20,000.00	100%	100%	7,479.00	(12,521.00)
	397,000.00			176,961.00	(158,317.00)

The rebatables for January were 9k over budget. Most of this is from increases in bleach and polymer costs. Solids Handling has also seen an increase. The monthly budget is for 15 dumpsters and January had 20, February had 18. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal. We have begun to increase flow to the RIBs which has decreased flow to the Spray Field. The plan is to slowly increase flow until they are at 75% capacity.

Sincerely,

Ernie Nolan
Project Manager



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

Tel 850.682.0829

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April 30, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of March 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of March 2023:

MONTHLY SUMMARY

- The monthly DMR for March was submitted with no exceedances.
- Chlorine use for the month was 1256 gals or an average of 41 gals a day.
- Quotes are being gathered for the Stream Condition Index. This DEP required test is done every 2 years.
- The belt press filled 17 dumpsters for a total of 39.60 tons of biosolids.
- Both the RIB 6 and Biosolids upgrades are moving forward.

MAINTENANCE / REPAIRS

- Prep work has begun at Llyod St. on the valve and check valve replacement for pump 2.
- The 150-amp breaker for Digester 2 has been replaced.
- The 3.4 hp KSB mixer for the master lift station has been pulled and picked up by Pump and Process to be repaired/replaced.
- The annual thermal/vibration testing for all electric motors has been scheduled for May 8th.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for March 2023.

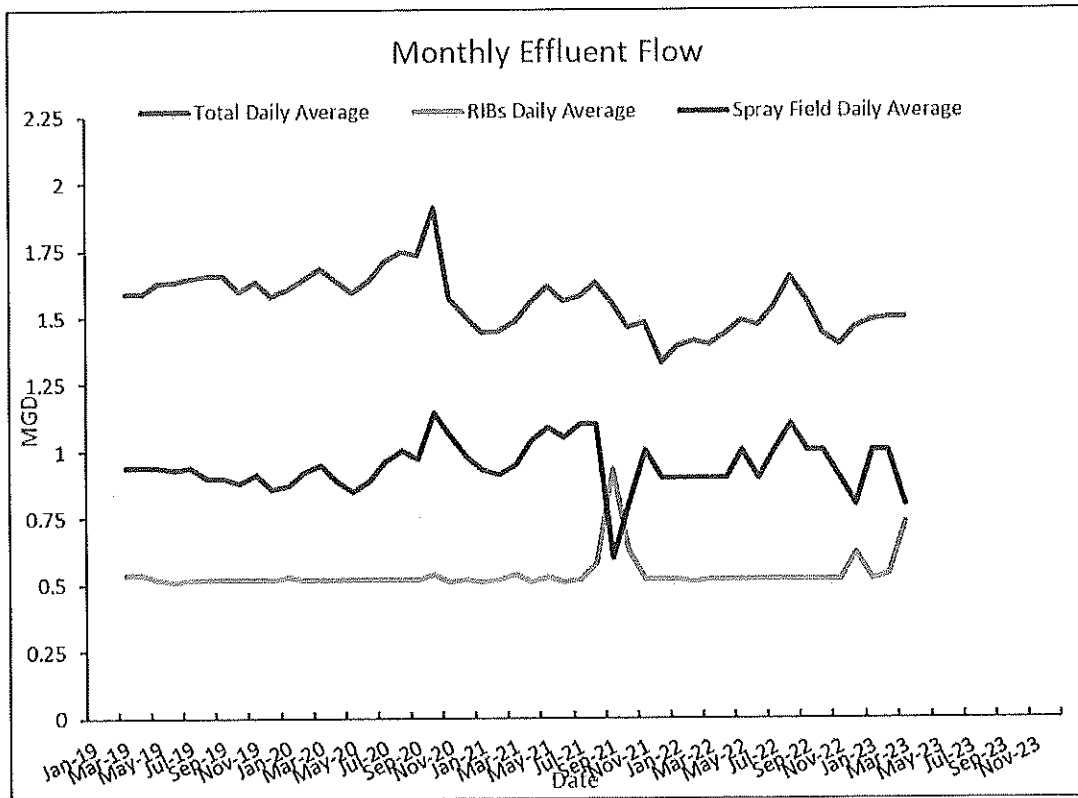
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.8	1.53 mgd max.
Flow to RIBS	Daily average	0.73	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.50	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	5.03	30.0 mg/L
Total Suspended Solids	Monthly average	2.00	30.0 mg/L
Nitrate Nitrogen	Maximum	0.43	12.0
Nitrogen, total	Maximum	7.10	Report
Phosphorus, total	Maximum	0.34	Report
Fecal Coliform	Monthly average	1	200 /100ml
	Monthly maximum	3	800 /100ml
PH	Monthly minimum	7.0	6.0 s.u.
	Monthly maximum	7.7	8.5 s.u.
Chlorine	Monthly Average	.90	0.50 mg/L
Rainfall	Total Inches	6.80	N/A
Biosolids transported	24/7	39.60	Report D.T.
INFLUENT BOD	Monthly average	322	Report
INFLUENT TSS	Monthly avg/max	323/536	Report

The process efficiency averaged 98.44 removal of CBOD, and 99.39% of TSS for the month. Monthly percent capacity for the Crestview facility is 56.18%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	112,227.00	(52,386.50)
Chemicals	50,000.00	100%	100%	28,999.00	(21,001.00)
Solids Handling	110,000.00	100%	100%	60,000.00	(50,000.00)
Repairs	20,000.00	100%	100%	14,180.00	(5,820.00)
	397,000.00			215,406.00	(129,207.50)

The rebatables for March were 15k over budget. Most of this is from increases in bleach and polymer costs. Solids Handling has also seen an increase. The monthly budget is for 15 dumpsters and January had 20, February had 18, and March had 17. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal. We have begun to increase flow to the RIBs which has decreased flow to the Spray Field. The plan is to slowly increase flow until they are at 75% capacity.

Sincerely,

Ernie Nolan
Project Manager

May 31, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of April 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of April 2023:

MONTHLY SUMMARY

- The monthly DMR for April was submitted with no exceedances.
- Chlorine use for the month was 1281 gals or an average of 41 gals a day.
- Quotes are being gathered for the Stream Condition Index. This DEP required test is done every 2 years.
- The belt press filled 18 dumpsters for a total of 41.32 tons of biosolids.
- Both the RIB 6 and Biosolids upgrades are moving forward.

MAINTENANCE / REPAIRS

- The prep work is complete for the valve replacement on pump 2 at Llyod St. and the work is scheduled for the week of June 12th.
- A new AC compressor for the Kubota tractor has been ordered and will be installed upon arrival.
- The 3.4 hp KSB mixer for the master lift station has been pulled and picked up by Pump and Process to be repaired/replaced.
- The annual thermal/vibration testing for all electric motors has been completed and the regional maintenance group is working on the report.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for April 2023.

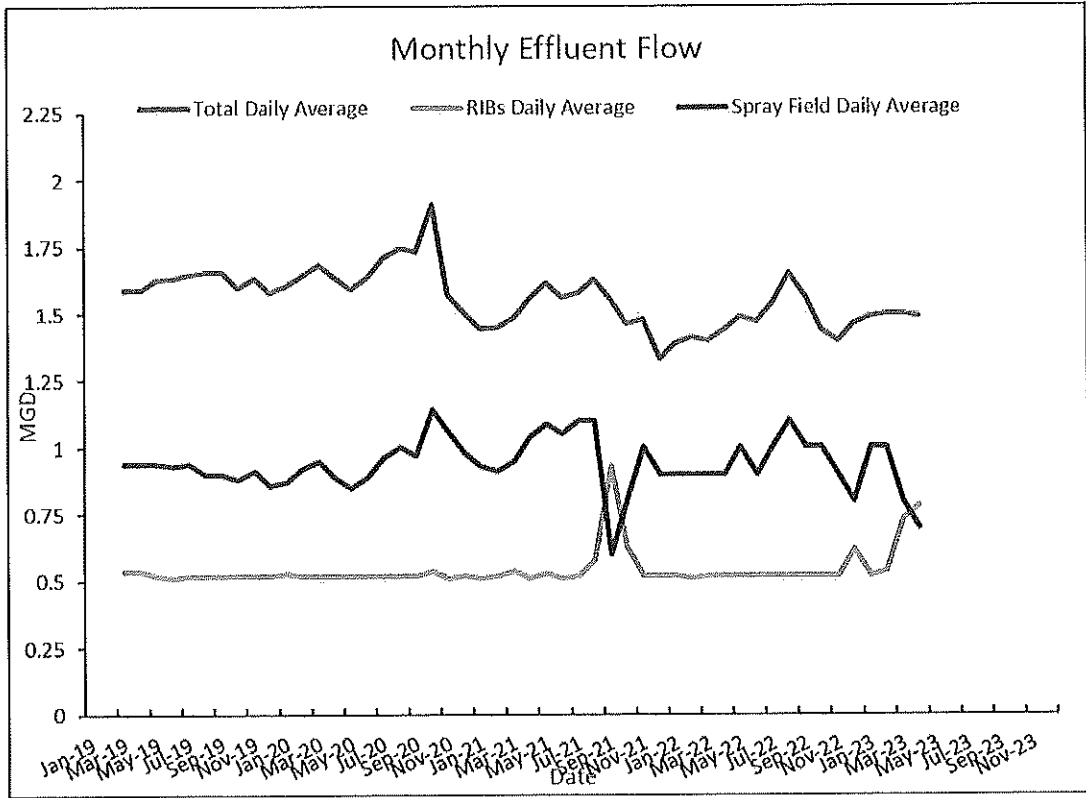
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.78	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.49	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	6.58	30.0 mg/L
Total Suspended Solids	Monthly average	2.88	30.0 mg/L
Nitrate Nitrogen	Maximum	0.46	12.0
Nitrogen, total	Maximum	20.80	Report
Phosphorus, total	Maximum	0.28	Report
Fecal Coliform	Monthly average	3	200 /100ml
	Monthly maximum	7.4	800 /100ml
PH	Monthly minimum	7.3	6.0 s.u.
	Monthly maximum	7.6	8.5 s.u.
Chlorine	Monthly Average	.83	0.50 mg/L
Rainfall	Total Inches	5.20	N/A
Biosolids transported	24/7	41.32	Report D.T.
INFLUENT BOD	Monthly average	304	Report
INFLUENT TSS	Monthly avg/max	255/300	Report

The process efficiency averaged 97.84 removal of CBOD, and 98.87% of TSS for the month. Monthly percent capacity for the Crestview facility is 55.80%.

REBATABLES:

Project to Date	Limits	Percentage Rebatale:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	131,671.00	(42,664.50)
Chemicals	50,000.00	100%	100%	34,028.00	(15,972.00)
Solids Handling	110,000.00	100%	100%	71,400.00	(38,600.00)
Repairs	20,000.00	100%	100%	16,242.00	(3,758.00)
	397,000.00			253,341.00	(100,994.50)

The rebatables for April were 19k over budget. Electricity: -5,088 (50%= 2,544) Solids Handling: -7,233 Chemicals: -4,862 Repairs: -4,575 If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal. We have begun to increase flow to the RIBs which has decreased flow to the Spray Field. The plan is to slowly increase flow until they are at 75% capacity.

Sincerely,

Ernie Nolan
Project Manager

June 26, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of May 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of May 2023:

MONTHLY SUMMARY

- The monthly DMR for May was submitted with no exceedances.
- Chlorine use for the month was 1403 gals or an average of 45 gals a day.
- Quotes are being gathered for the Stream Condition Index. So far only one has been submitted. Two more are being sought.
- The belt press filled 22 dumpsters for a total of 48.64 tons of biosolids.
- Both the RIB 6 and Biosolids upgrades are moving forward.

MAINTENANCE / REPAIRS

- The valve and check valve on Pump 2 at Llyod St. have been replaced.
- Prep work to change the valve and check valve on Pump 1 has begun.
- The 3.4 hp KSB mixer for the master lift station has been pulled and picked up by Pump and Process to be repaired/replaced.
- The annual thermal/vibration testing for all electric motors has been completed and the regional maintenance group is working on the report.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for April 2023.

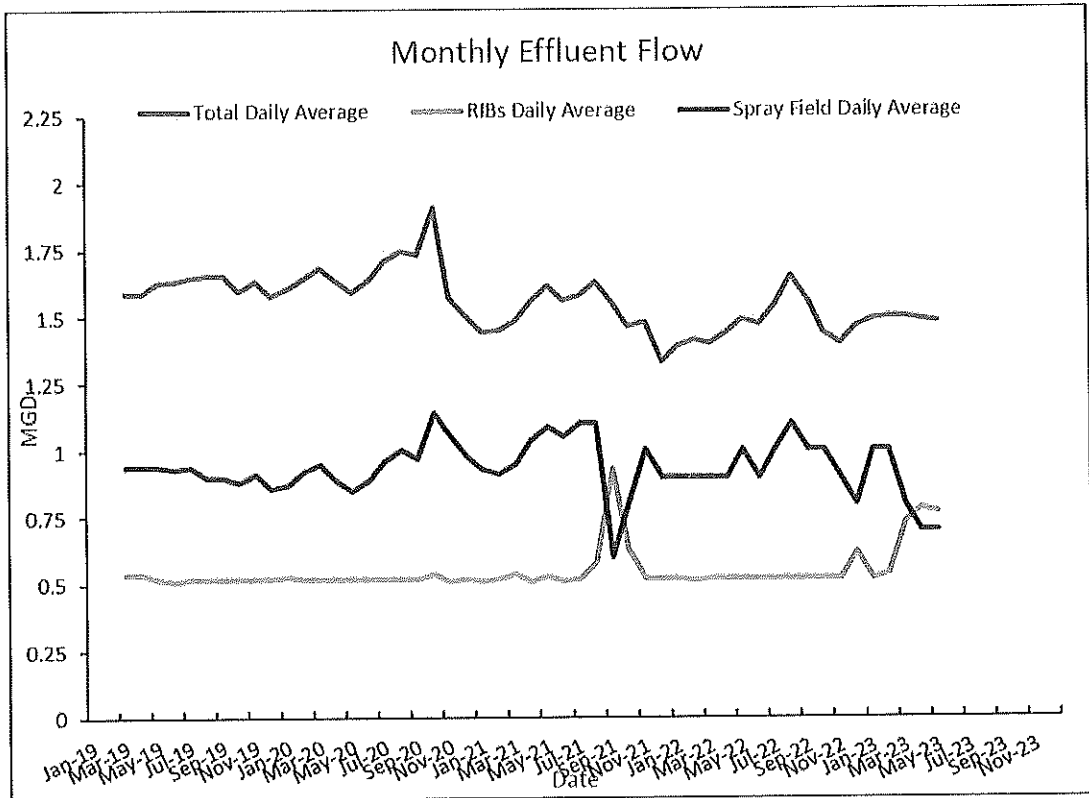
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.77	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.48	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	6.64	30.0 mg/L
Total Suspended Solids	Monthly average	2.64	30.0 mg/L
Nitrate Nitrogen	Maximum	0.26	12.0
Nitrogen, total	Maximum	8.50	Report
Phosphorus, total	Maximum	0.97	Report
Fecal Coliform	Monthly average	7	200 /100ml
	Monthly maximum	13.4	800 /100ml
PH	Monthly minimum	7.3	6.0 s.u.
	Monthly maximum	7.7	8.5 s.u.
Chlorine	Monthly Average	.85	0.50 mg/L
Rainfall	Total Inches	6.14	N/A
Biosolids transported	24/7	48.64	Report D.T.
INFLUENT BOD	Monthly average	387	Report
INFLUENT TSS	Monthly avg/max	238/284	Report

The process efficiency averaged 98.28 removal of CBOD, and 98.89% of TSS for the month. Monthly percent capacity for the Crestview facility is 55.43%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	150,157.00	(33,421.50)
Chemicals	50,000.00	100%	100%	42,527.00	(7,473.00)
Solids Handling	110,000.00	100%	100%	83,400.00	(26,600.00)
Repairs	20,000.00	100%	100%	21,293.00	1,293.00
	397,000.00			297,377.00	(66,201.50)

The rebatables for April were 30k over budget. Electricity: -5,490 (50%= 2,745) Solids Handling: -10,067 Chemicals: -9,193 Repairs: -7,959 If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal. We have begun to increase flow to the RIBs which has decreased flow to the Spray Field. The plan is to slowly increase flow until they are at 75% capacity.

Sincerely,

Ernie Nolan
Project Manager



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

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Fax 850.682.1577

August 5, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of June 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of June 2023:

MONTHLY SUMMARY

- The monthly DMR for June was submitted with no exceedances.
- Chlorine use for the month was 1549 gals or an average of 52 gals a day.
- Quotes are being gathered for the Stream Condition Index. So far only one has been submitted. Two more are being sought.
- The belt press filled 17 dumpsters for a total of 35.01 tons of biosolids.
- Both the RIB 6 and Biosolids upgrades are moving forward.

MAINTENANCE / REPAIRS

- The flapper plate and block hinges were replaced on Pump 2 at Llyod St.
- Prep work to change the valve and check valve on Pump 1 has begun.
- The 3.4 hp KSB mixer for the master lift station has been pulled and picked up by Pump and Process to be repaired/replaced.
- Sand and grit removal from the north anoxic basin is scheduled for July.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for 2023.

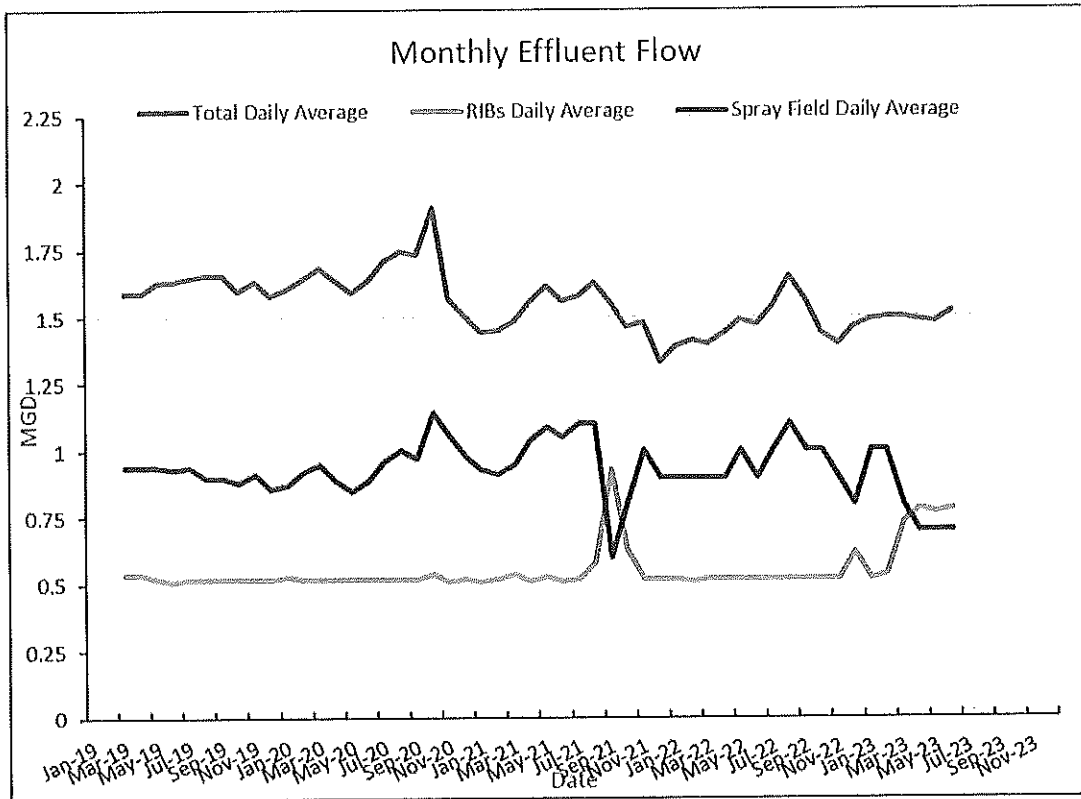
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.78	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.52	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	7.03	30.0 mg/L
Total Suspended Solids	Monthly average	2.78	30.0 mg/L
Nitrate Nitrogen	Maximum	0.28	12.0
Nitrogen, total	Maximum	10.10	Report
Phosphorus, total	Maximum	0.92	Report
Fecal Coliform	Monthly average	21.20	200 /100ml
	Monthly maximum	43.90	800 /100ml
PH	Monthly minimum	7.3	6.0 s.u.
	Monthly maximum	7.8	8.5 s.u.
Chlorine	Monthly Average	.85	0.50 mg/L
Rainfall	Total Inches	8.77	N/A
Biosolids transported	24/7	35.01	Report D.T.
INFLUENT BOD	Monthly average	278	Report
INFLUENT TSS	Monthly avg/max	259/294	Report

The process efficiency averaged 97.47% removal of CBOD, and 98.93% of TSS for the month. Monthly percent capacity for the Crestview facility is 56.93%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	169,471.00	(23,764.50)
Chemicals	50,000.00	100%	100%	46,580.00	(3,420.00)
Solids Handling	110,000.00	100%	100%	94,200.00	(15,800.00)
Repairs	20,000.00	100%	100%	23,101.00	3,101.00
	397,000.00			333,352.00	(39,883.50)

The rebatables for April were 32.4k over budget. Electricity: -6,721 (50%= 3,360) Solids Handling: -11700 Chemicals: -9,080 Repairs: -8,101 If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal. We have begun to increase flow to the RIBs which has decreased flow to the Spray Field. The plan is to slowly increase flow until they are at 75% capacity.

Sincerely,

Ernie Nolan
Project Manager

September 6, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of July 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of July 2023:

MONTHLY SUMMARY

- The monthly DMR for July was submitted with no exceedances.
- Chlorine use for the month was 1781 gals or an average of 57 gals a day.
- The Stream Condition Index has been started.
- The belt press filled 15 dumpsters for a total of 28.73 tons of biosolids.
- The quarterly digester fecals passed.

MAINTENANCE / REPAIRS

- The flapper plate assembly clamp gasket for pump 3 at llyod St. was replaced.
- Prep work to change the valve and check valve on Pump 1 has begun.
- The 3.4 hp KSB mixer for the master lift station is back online.
- Sand and grit removal from the north anoxic basin is complete. About 60 yards was removed.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for July 2023.

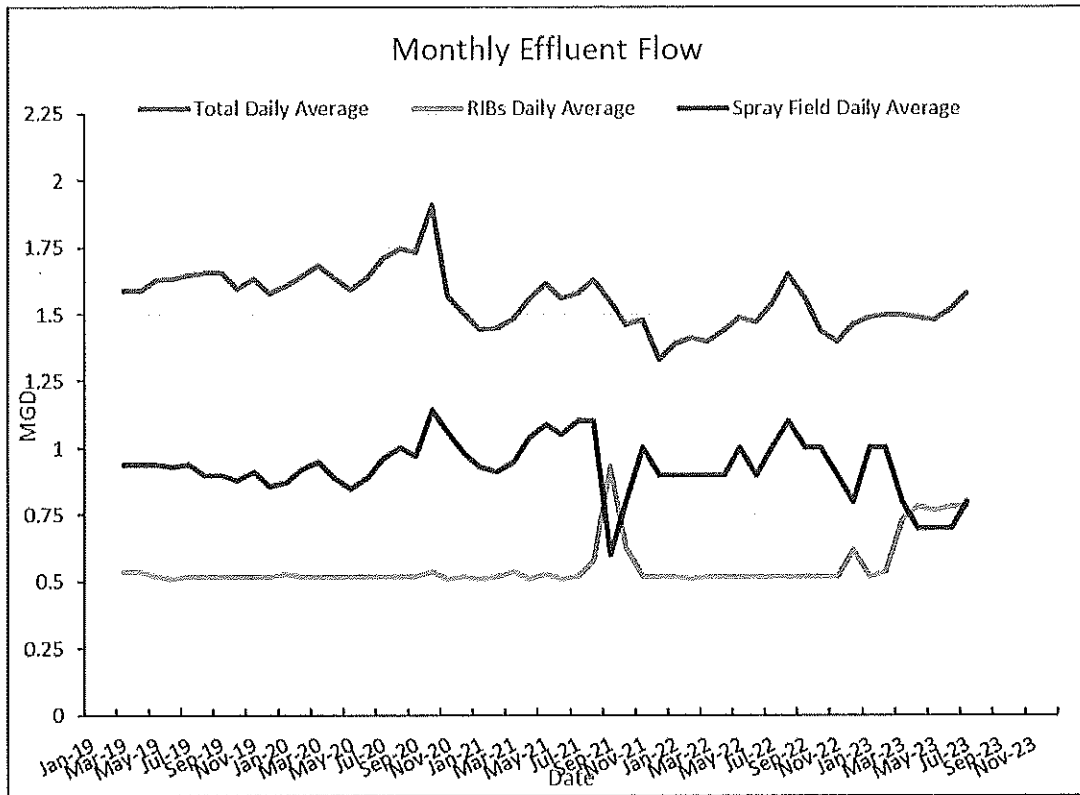
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.8	1.53 mgd max.
Flow to RIBS	Daily average	0.78	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.58	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	4.72	30.0 mg/L
Total Suspended Solids	Monthly average	2.08	30.0 mg/L
Nitrate Nitrogen	Maximum	0.74	12.0
Nitrogen, total	Maximum	4.40	Report
Phosphorus, total	Maximum	0.60	Report
Fecal Coliform	Monthly average	1	200 /100ml
	Monthly maximum	1	800 /100ml
PH	Monthly minimum	7.3	6.0 s.u.
	Monthly maximum	7.8	8.5 s.u.
Chlorine	Monthly Average	.91	0.50 mg/L
Rainfall	Total Inches	10.42	N/A
Biosolids transported	24/7	28.73	Report D.T.
INFLUENT BOD	Monthly average	285	Report
INFLUENT TSS	Monthly avg/max	231/262	Report

The process efficiency averaged 98.35% removal of CBOD, and 99.21% of TSS for the month. Monthly percent capacity for the Crestview facility is 59.17%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	187,544.00	(14,728.00)
Chemicals	50,000.00	100%	100%	51,606.00	1,606.00
Solids Handling	110,000.00	100%	100%	103,200.00	(6,800.00)
Repairs	20,000.00	100%	100%	26,932.00	6,932.00
	397,000.00			369,282.00	(12,990.00)

The rebatables for July were 35k over budget. Electricity: -6,711 (50%= 3,355) Solids Handling: -11,533 Chemicals: -9,040 Repairs: -10,265. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal.

Sincerely,

Ernie Nolan
Project Manager



Jacobs/CH2M HILL OMI

5101 Arena Rd
P.O. Box 1647
Crestview, Florida
Tel 850.682.0829
Fax 850.682.1577

October 5, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of August 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of August 2023:

MONTHLY SUMMARY

- The monthly DMR for August was submitted with no exceedances.
- Chlorine use for the month was 1472 gals or an average of 48 gals a day.
- Northern Gulf Environmental has completed all the field work for the Stream Condition Index. They are now doing the lab work part.
- The belt press filled 18 dumpsters for a total of 34.35 tons of biosolids.
- The solids handling improvements to the plant are 70% complete.

MAINTENANCE / REPAIRS

- Fields F & G were bailed, and the hay was removed from site.
- Prep work to change the valve and check valve on Pump 1 has begun.
- The panel fan from NRCY pump 2 shorted out causing the 120-transformer fuse to blow. A new fan has been ordered.
- A quote with a list of materials has been created to do the influent manhole work.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for August 2023.

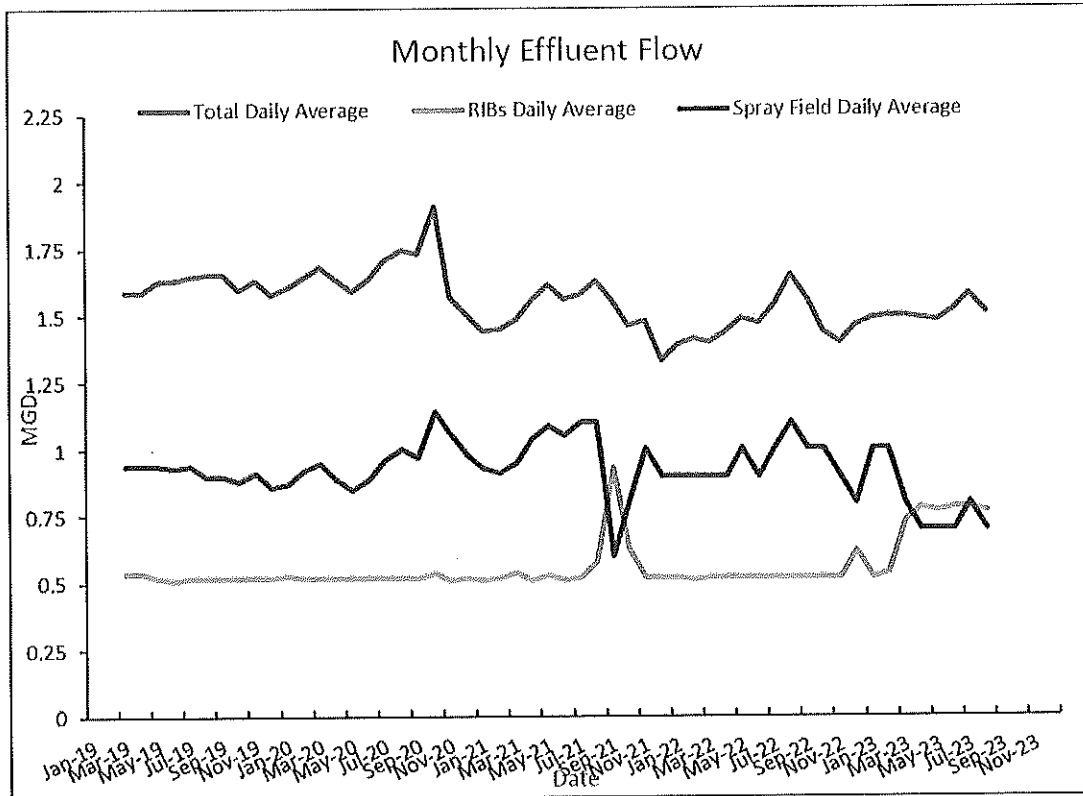
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.77	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.51	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	7.10	30.0 mg/L
Total Suspended Solids	Monthly average	2.15	30.0 mg/L
Nitrate Nitrogen	Maximum	0.51	12.0
Nitrogen, total	Maximum	2.60	Report
Phosphorus, total	Maximum	0.79	Report
Fecal Coliform	Monthly average	1	200 /100ml
	Monthly maximum	1	800 /100ml
PH	Monthly minimum	7.4	6.0 s.u.
	Monthly maximum	7.9	8.5 s.u.
Chlorine	Monthly Average	.84	0.50 mg/L
Rainfall	Total Inches	4.87	N/A
Biosolids transported	24/7	34.35	Report D.T.
INFLUENT BOD	Monthly average	263	Report
INFLUENT TSS	Monthly avg/max	370/327	Report

The process efficiency averaged 97.31% removal of CBOD, and 99.34% of TSS for the month. Monthly percent capacity for the Crestview facility is 56.55%.

REBATABLES:

Project to Date	Limits	Percentage Rebatale:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	206,151.00	(5,424.50)
Chemicals	50,000.00	100%	100%	59,612.00	9,612.00
Solids Handling	110,000.00	100%	100%	114,600.00	4,600.00
Repairs	20,000.00	100%	100%	29,267.00	9,267.00
	397,000.00			409,630.00	18,054.50

The rebatables for August were 42k over budget. Electricity: 7,234 (50%= 3,617) Solids Handling: -13,767 Chemicals: -13,779 Repairs: -10,934. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal.

Sincerely,

Ernie Nolan
Project Manager



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

Tel 850.682.0829

Fax 850.682.1577

November 3, 2023

Mr. Michael Criddle
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of September 2023.

Dear Mr. Criddle,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of September 2023:

MONTHLY SUMMARY

- The monthly DMR for September was submitted with no exceedances.
- Chlorine use for the month was 1593 gals or an average of 53 gals a day.
- Northern Gulf Environmental has completed all the field work for the Stream Condition Index and scheduled to be complete mid-December.
- The belt press filled 17 dumpsters for a total of 34.18 tons of biosolids.
- Sawcross has set the new belt press and the building construction continues.

MAINTENANCE / REPAIRS

- Field E was baled, and 200 bales were delivered to the Environmental Center for city use.
- Prep work to change the valve and check valve on Pump 1 has begun.
- The panel fans from NRCY pumps 1 & 2 were both replaced.
- The shoulder coupling and gasket for pump 3 at Ilyod St. was replaced.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for August 2023.

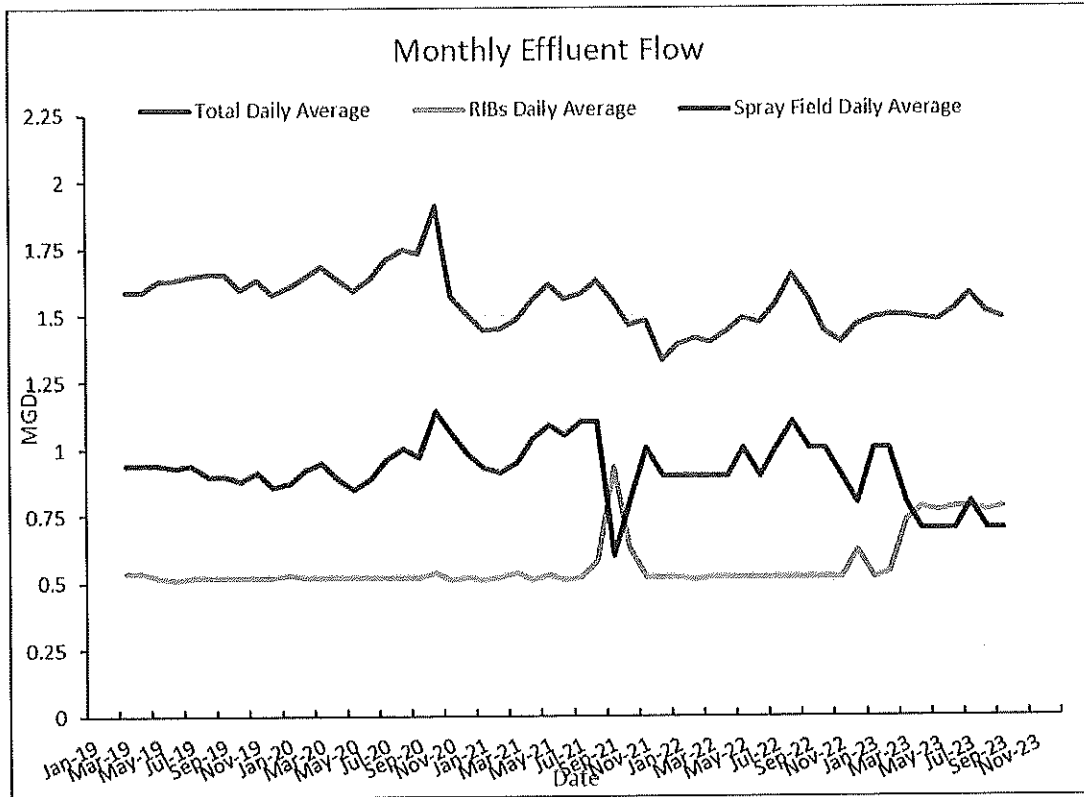
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.78	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.49	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	5.83	30.0 mg/L
Total Suspended Solids	Monthly average	2	30.0 mg/L
Nitrate Nitrogen	Maximum	0.31	12.0
Nitrogen, total	Maximum	9.60	Report
Phosphorus, total	Maximum	0.61	Report
Fecal Coliform	Monthly average	7.25	200 /100ml
	Monthly maximum	12.1	800 /100ml
PH	Monthly minimum	7.4	6.0 s.u.
	Monthly maximum	7.9	8.5 s.u.
Chlorine	Monthly Average	.94	0.50 mg/L
Rainfall	Total Inches	2.56	N/A
Biosolids transported	24/7	34.18	Report D.T.
INFLUENT BOD	Monthly average	255	Report
INFLUENT TSS	Monthly avg/max	210/238	Report

The process efficiency averaged 97.71% removal of CBOD, and 99.34% of TSS for the month. Monthly percent capacity for the Crestview facility is 55.80%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	217,000.00	50%	50%	223,086.00	3,043.00
Chemicals	50,000.00	100%	100%	65,316.00	15,316.00
Solids Handling	110,000.00	100%	100%	124,200.00	14,200.00
Repairs	20,000.00	100%	100%	30,024.00	10,024.00
	397,000.00			442,626.00	42,583.00

The rebatables for September were 42,583 over budget. Electricity: - 6,086 (50%= 3,043) Solids Handling: -14,200 Chemicals: -15,316 Repairs: -10,024. These end of fiscal year numbers have not yet been confirmed by the accountants. It typically takes a couple of months for them to do this. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal.

Sincerely,

Ernie Nolan
Project Manager



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

Tel 850.682.0829

Fax 850.682.1577

December 11, 2023

Mr. Wayne Steele
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of October 2023.

Dear Mr. Steele,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of October 2023:

MONTHLY SUMMARY

- The monthly DMR for October was submitted with no exceedances.
- Chlorine use for the month was 1492 gals or an average of 47 gals a day.
- Northern Gulf Environmental has completed all the field work for the Stream Condition Index and scheduled to be complete mid-December.
- The belt press filled 14 dumpsters for a total of 29.75 tons of biosolids.
- Sawcross continues to complete the new digesters and belt press.

MAINTENANCE / REPAIRS

- The outside wear plate and the flapper valve assembly were replaced on pump 2 at Llyod St.
- Prep work to change the valve and check valve on Pump 1 at Llyod St. has begun.
- P.O. requests have been submitted for the master lift station relining work and the RIB fence job.
- The sprayfeild fence by the front gate was replaced. See pictures.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for August 2023.

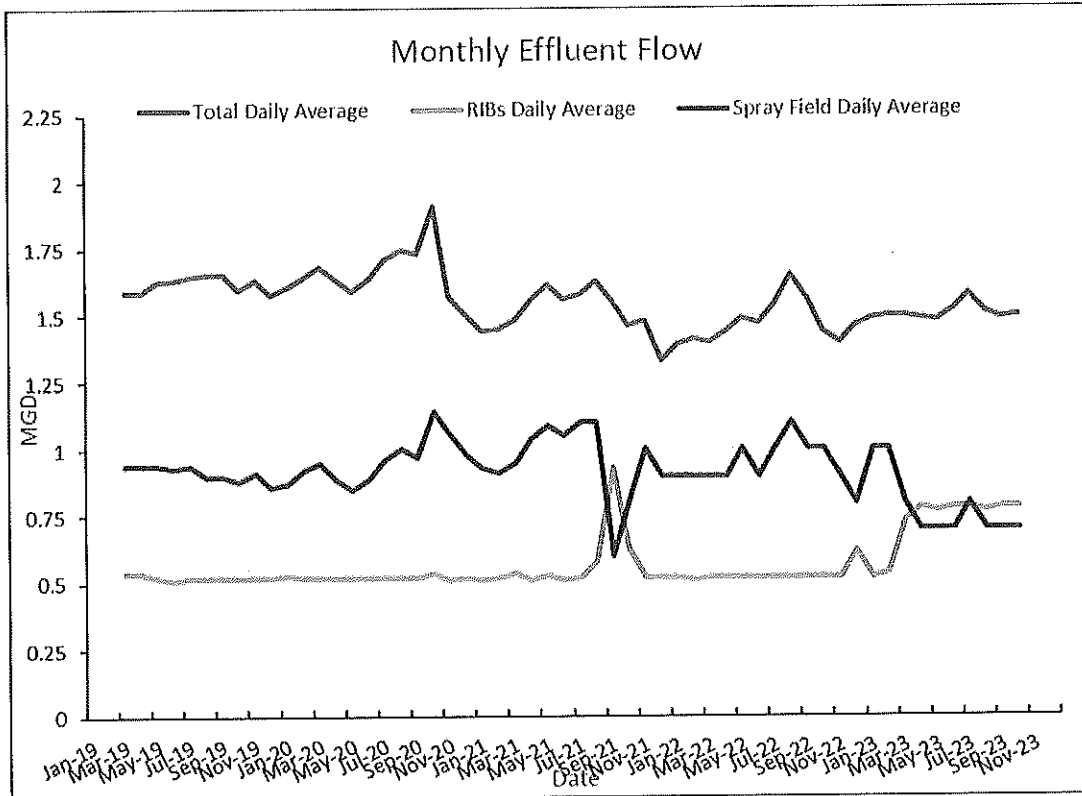
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.78	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.50	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	6.40	30.0 mg/L
Total Suspended Solids	Monthly average	4.00	30.0 mg/L
Nitrate Nitrogen	Maximum	0.33	12.0
Nitrogen, total	Maximum	12.10	Report
Phosphorus, total	Maximum	0.40	Report
Fecal Coliform	Monthly average	1	200 /100ml
	Monthly maximum	2	800 /100ml
PH	Monthly minimum	7.2	6.0 s.u.
	Monthly maximum	7.7	8.5 s.u.
Chlorine	Monthly Average	.91	0.50 mg/L
Rainfall	Total Inches	1.30	N/A
Biosolids transported	24/7	29.75	Report D.T.
INFLUENT BOD	Monthly average	344	Report
INFLUENT TSS	Monthly avg/max	242/266	Report

The process efficiency averaged 98.14% removal of CBOD, and 98.35% of TSS for the month. Monthly percent capacity for the Crestview facility is 56.18%.

REBATABLES:

Project to Date	Limits	Percentage Rebatale:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	237,000.00	50%	50%	17,318.00	(109,841.00)
Chemicals	60,000.00	100%	100%	2,934.00	(57,066.00)
Solids Handling	125,000.00	100%	100%	10,200.00	(114,800.00)
Repairs	25,000.00	100%	100%	2,947.00	(22,053.00)
	447,000.00			33,399.00	(303,760.00)

The rebatables for October were 3,851 under budget. This would be using the fiscal 2024 budget which added a total of 50k. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal.

Sincerely,

Ernie Nolan
Project Manager



This section located at the front entrance to the spray field needed replacing.



The gate is also in poor shape and scheduled for repairs.



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

Tel 850.682.0829

Fax 850.682.1577

January 5, 2024

Mr. Wayne Steele
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of November 2023.

Dear Mr. Steele,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of November 2023:

MONTHLY SUMMARY

- The monthly DMR for November was submitted with no exceedances.
- Chlorine use for the month was 1179 gals or an average of 39 gals a day.
- Northern Gulf Environmental has completed all the field work for the Stream Condition Index and is waiting on the lab results.
- The belt press filled 17 dumpsters for a total of 36.90 tons of biosolids.
- Sawcross continues to complete the new digesters and belt press.

MAINTENANCE / REPAIRS

- A new flapper valve assembly for pump 3 at Llyod St. was ordered.
- Prep work to change the valve and check valve on Pump 1 at Llyod St. has begun.
- Gulf Coast Underground has the PO for the Master Lift Station relining project.
- The distribution rings for the weir washers have arrived and are being installed.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for August 2023.

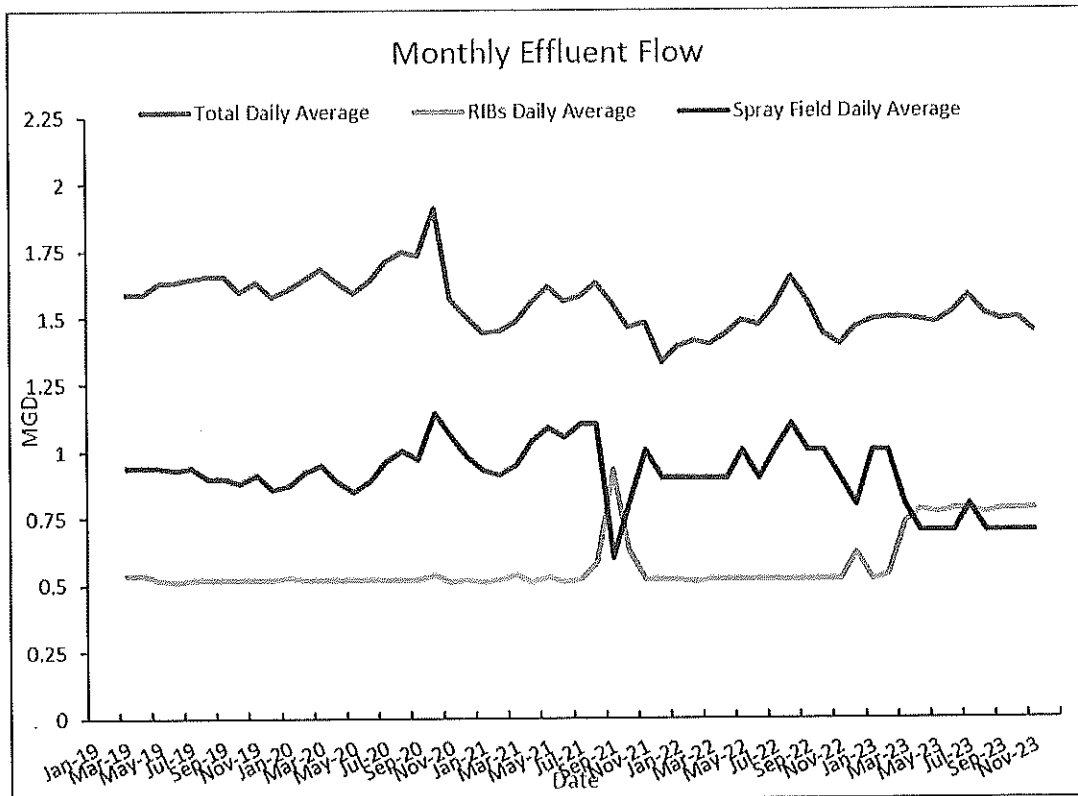
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.78	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.45	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	5.93	30.0 mg/L
Total Suspended Solids	Monthly average	2.70	30.0 mg/L
Nitrate Nitrogen	Maximum	0.24	12.0
Nitrogen, total	Maximum	20.20	Report
Phosphorus, total	Maximum	0.36	Report
Fecal Coliform	Monthly average	2.63	200 /100ml
	Monthly maximum	8.5	800 /100ml
PH	Monthly minimum	7.4	6.0 s.u.
	Monthly maximum	7.7	8.5 s.u.
Chlorine	Monthly Average	.94	0.50 mg/L
Rainfall	Total Inches	3.31	N/A
Biosolids transported	24/7	36.90	Report D.T.
INFLUENT BOD	Monthly average	317	Report
INFLUENT TSS	Monthly avg/max	225/292	Report

The process efficiency averaged 98.13% removal of CBOD, and 98.80% of TSS for the month. Monthly percent capacity for the Crestview facility is 54.31%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	237,000.00	50%	50%	33,590.56	(101,704.72)
Chemicals	60,000.00	100%	100%	8,883.00	(51,117.00)
Solids Handling	125,000.00	100%	100%	18,600.00	(106,400.00)
Repairs	25,000.00	100%	100%	4,276.27	(20,723.73)
	447,000.00			65,349.83	(279,945.45)

The rebatables for fiscal 2023 have been verified and came in at 43,851.82 over budget. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal.

Sincerely,

Ernie Nolan
Project Manager



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

Tel 850.682.0829

Fax 850.682.1577

January 31, 2024

Mr. Tim Bolduc
Public Works Director
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of December 2023.

Dear Mr. Bolduc,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of December 2023:

MONTHLY SUMMARY

- The monthly DMR for December was submitted with no exceedances.
- Chlorine use for the month was 1184 gals or an average of 38 gals a day.
- Northern Gulf Environmental has completed all the field work for the Stream Condition Index and is putting together the final report.
- The belt press filled 20 dumpsters for a total of 42.15 tons of biosolids.
- Sawcross continues to complete the new digesters and belt press.

MAINTENANCE / REPAIRS

- A small leak was repaired in hypo tank 1 and all 3 of the lower ball valves were replaced. See pictures.
- Prep work to change the valve and check valve on Pump 1 at Llyod St. has begun.
- Gulf Coast Underground has the PO for the Master Lift Station relining project.
- The distribution rings for the weir washers have arrived and clarifier 1 has been installed. Clarifier 2 will be installed once the mixed liquors drop below 2500 sometime in spring.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for December 2023.

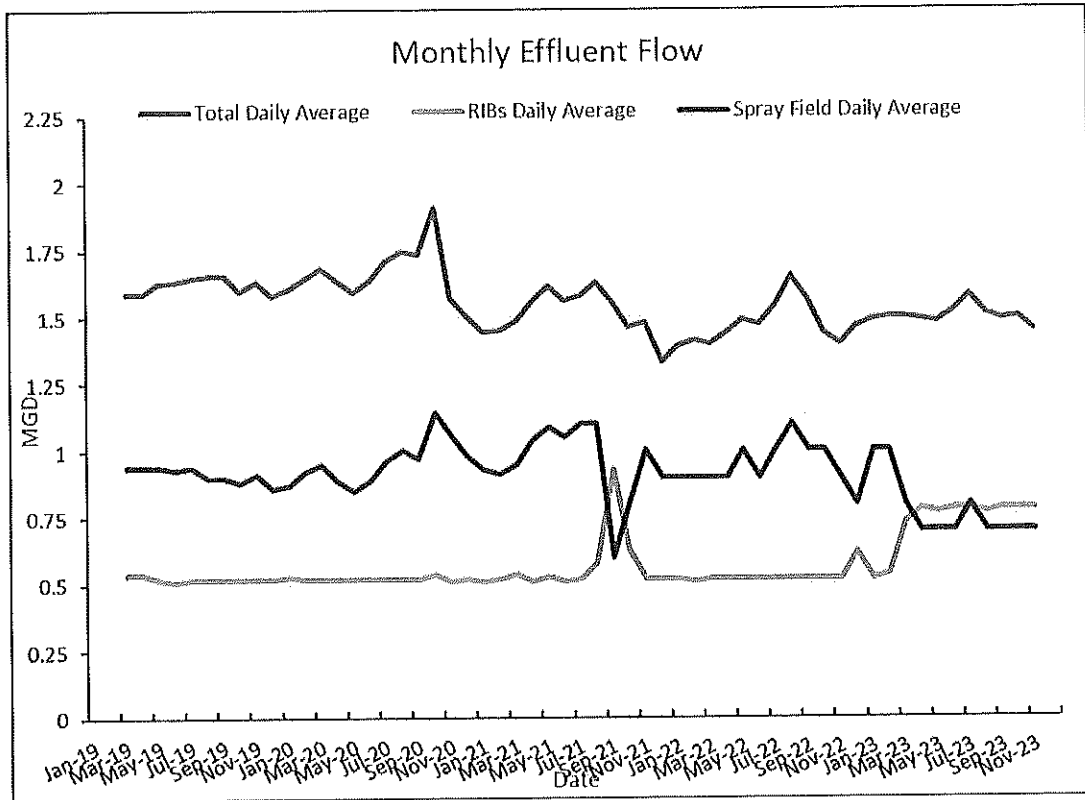
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.77	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.42	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	4.73	30.0 mg/L
Total Suspended Solids	Monthly average	2.58	30.0 mg/L
Nitrate Nitrogen	Maximum	0.24	12.0
Nitrogen, total	Maximum	14.10	Report
Phosphorus, total	Maximum	0.18	Report
Fecal Coliform	Monthly average	5.85	200 /100ml
	Monthly maximum	13.2	800 /100ml
PH	Monthly minimum	7.1	6.0 s.u.
	Monthly maximum	7.7	8.5 s.u.
Chlorine	Monthly Average	.92	0.50 mg/L
Rainfall	Total Inches	6.03	N/A
Biosolids transported	24/7	42.15	Report D.T.
INFLUENT BOD	Monthly average	248	Report
INFLUENT TSS	Monthly avg/max	247/262	Report

The process efficiency averaged 98.09% removal of CBOD, and 98.96% of TSS for the month. Monthly percent capacity for the Crestview facility is 53.18%.

REBATABLES:

Project to Date	Limits	Percentage Rebatable:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	237,000.00	50%	50%	48,493.30	(94,253.35)
Chemicals	60,000.00	100%	100%	11,817.00	(48,183.00)
Solids Handling	125,000.00	100%	100%	30,600.00	(94,400.00)
Repairs	25,000.00	100%	100%	4,951.00	(20,049.00)
	447,000.00			95,861.30	(256,885.35)

The rebatables for fiscal 2023 have been verified and came in at 43,851.82 over budget. The rebatables for fiscal 2024 are currently around 10k under budget. If you have any questions, please let me know.



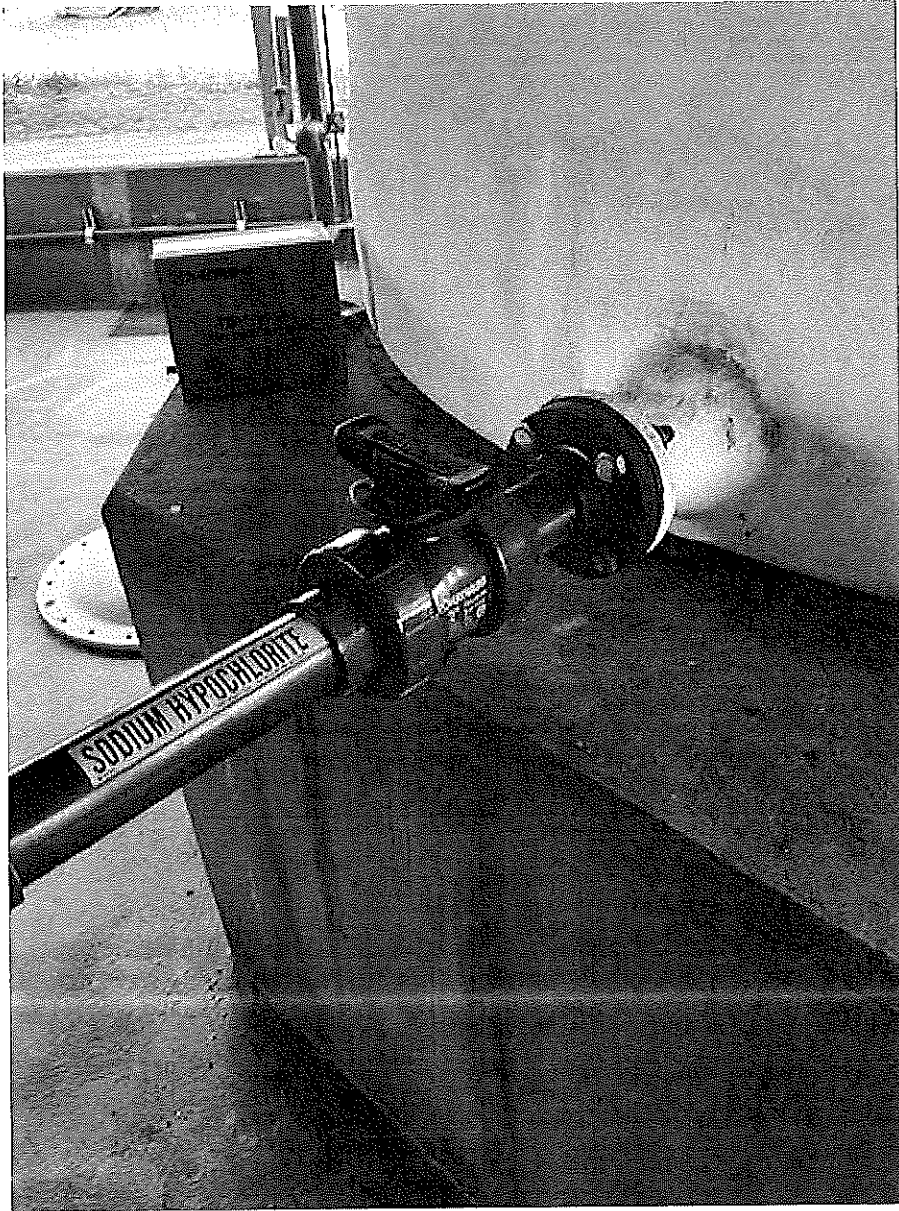
The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal.

Sincerely,

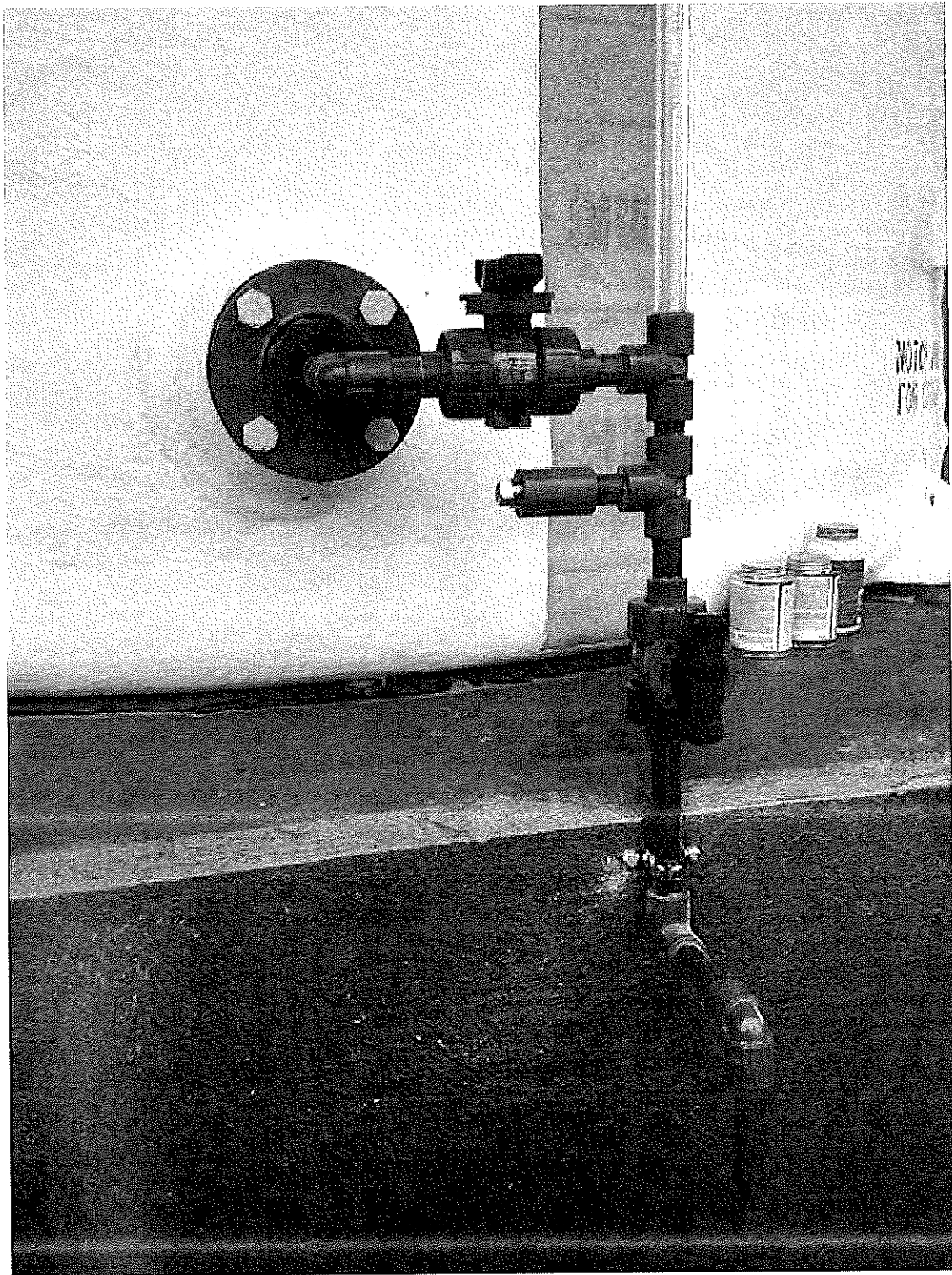
Ernie Nolan
Project Manager



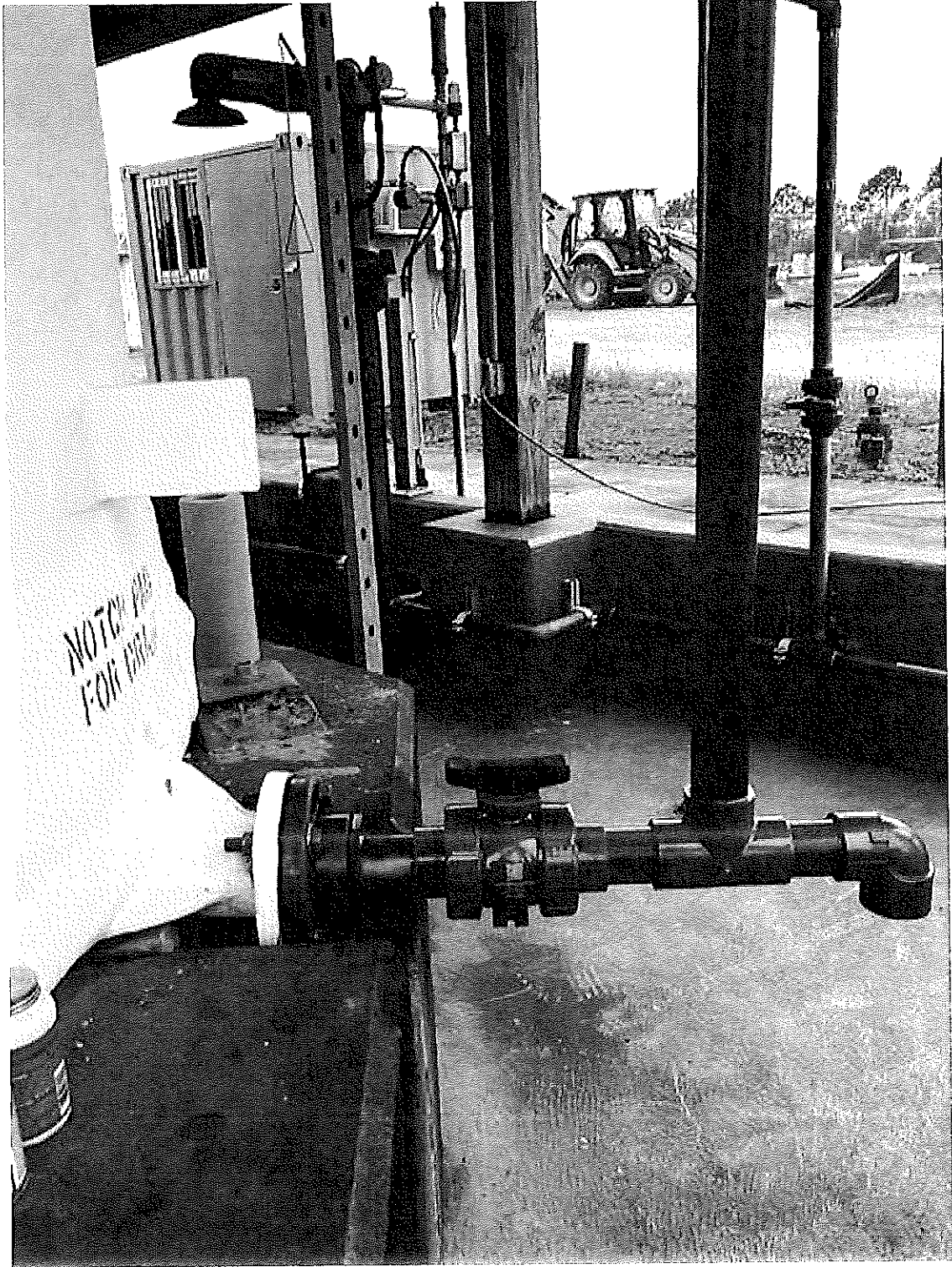
Fiberglass repair from inside Hypo Tank 1.



The 2" ball valve on the feed line was replaced while the tank was offline.



The site tube, ball valve, and test port were all changed out.



The overflow and drain valve were replaced.



Jacobs/CH2M HILL OMI

5101 Arena Rd

P.O. Box 1647

Crestview, Florida

Tel 850.682.0829

Fax 850.682.1577

March 14, 2024

Mr. Tim Bolduc
City Manager
City of Crestview
715 N. Ferdon Blvd
Crestview, Florida 32436

RE: Client Report for the City of Crestview, Florida
For the month of January 2024.

Dear Mr. Bolduc,

I have compiled the activities for the Jacobs Crestview, Florida project for the month of January 2024:

MONTHLY SUMMARY

- The monthly DMR for January was submitted with no exceedances.
- Chlorine use for the month was 1392 gals or an average of 45 gals a day.
- The Steam Condition Index has been completed and submitted to DEP.
- The belt press filled 22 dumpsters for a total of 42.21 tons of biosolids.
- Digesters 3 and 4 are now on-line with 3 already filled.

MAINTENANCE / REPAIRS

- Work has begun on the Influent Manhole Project. See pictures
- Prep work to change the valve and check valve on Pump 1 at Llyod St. has begun.
- Gulf Coast Underground has the PO for the Master Lift Station relining project.
- The distribution rings for the weir washers have arrived and clarifier 1 has been installed. Clarifier 2 will be installed once the mixed liquors drop below 2500 sometime in spring.

Equipment not in use

- Roto Drum thickener and pump (last used 1/98).
- Old WAS pumps (last used 5/08).

The following table lists each permit parameter and summarizes overall plant performance for December 2023.

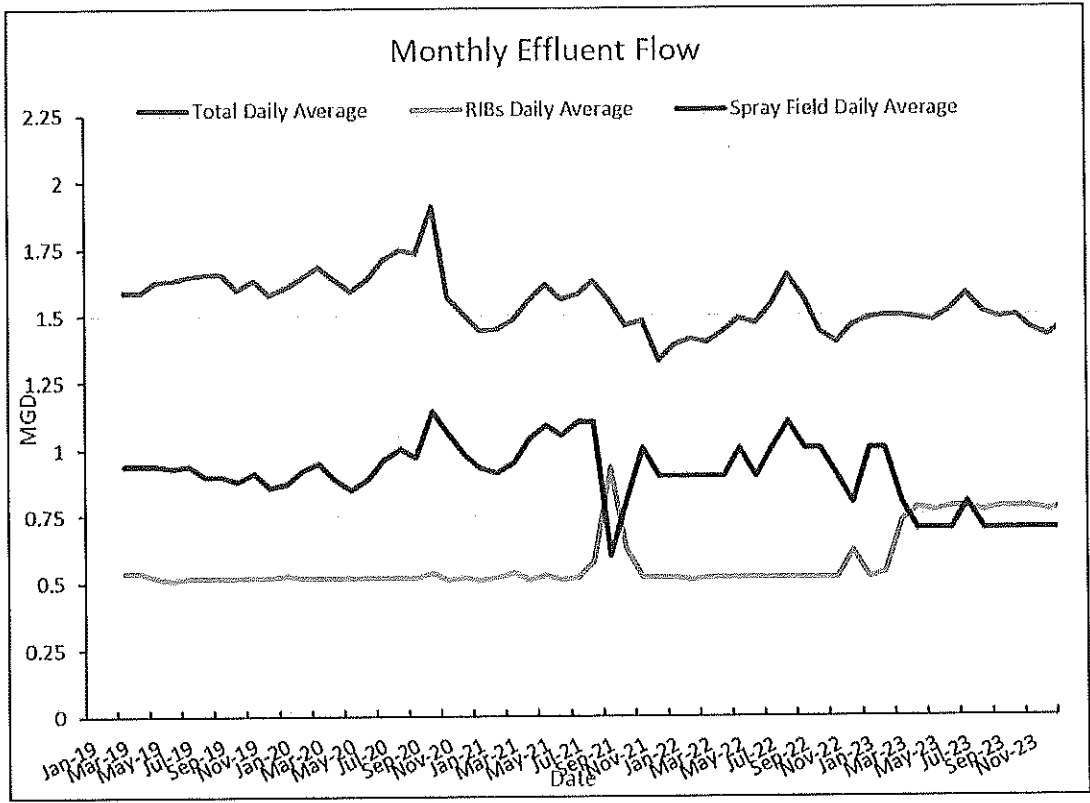
Parameter	Permitted Frequency	Reported	Permitted
Flow to Spray Field	Daily average	0.7	1.53 mgd max.
Flow to RIBS	Daily average	0.78	1.12 Ann. Avg
Total Effluent Flow	Daily average	1.46	2.67 MGD
Biochemical Oxygen Demand (5-day)	Monthly average	4.73	30.0 mg/L
Total Suspended Solids	Monthly average	5.48	30.0 mg/L
Nitrate Nitrogen	Maximum	0.36	12.0
Nitrogen, total	Maximum	22.80	Report
Phosphorus, total	Maximum	6.60	Report
Fecal Coliform	Monthly average	30.72	200 /100ml
	Monthly maximum	141	800 /100ml
PH	Monthly minimum	7.0	6.0 s.u.
	Monthly maximum	8.0	8.5 s.u.
Chlorine	Monthly Average	.93	0.50 mg/L
Rainfall	Total Inches	8.04	N/A
Biosolids transported	24/7	42.21	Report D.T.
INFLUENT BOD	Monthly average	282	Report
INFLUENT TSS	Monthly avg/ max	230/354	Report

The process efficiency averaged 98.32% removal of CBOD, and 98.62% of TSS for the month. Monthly percent capacity for the Crestview facility is 54.68%.

REBATABLES:

Project to Date	Limits	Percentage Rebatale:	Percentage Invoiceable:	Expenses	(Rebate)/ Invoice
Electricity	237,000.00	50%	50%	65,301.08	(85,849.46)
Chemicals	60,000.00	100%	100%	19,975.00	(40,025.00)
Solids Handling	125,000.00	100%	100%	45,000.00	(80,000.00)
Repairs	25,000.00	100%	100%	8,333.00	(16,667.00)
	447,000.00			138,609.08	(222,541.46)

The rebatables for fiscal 2024 are currently around 10k under budget. If you have any questions, please let me know.



The spike in flows during September 2020 was from Hurricane Sally. The spikes in the RIBs and Spray Field during September 2021 were from the RIB rerate testing. The spray field pond holds 10 million gallons which acts as a buffer for the effluent disposal.

Sincerely,

Ernie Nolan
Project Manager

