



**COMMISSION MEETING**  
**677 Bio Avenue Ellsworth, WI 54011**  
**March 24<sup>th</sup> 2022 8:30 a.m.**

Please join my meeting from your computer, tablet or smartphone.

<https://meet.goto.com/224943325>

Roll call.

**CONSENT AGENDA:**

1. Approval of bills.
2. Approval of February 17<sup>th</sup> Minutes

**FINANCIAL REPORTS:**

3. Approval of the February financial reports.

**FACILITIES REPORT:**

4. Facility report

**OLD BUSINESS**

5. Receiving station update

**New Business**

6. City of Lake City contract renewal,
7. Employee health insurance deductible re-imbursement

**MISCELLANEOUS:**

8. Communications and future agenda items.

**ADJOURNMENT:**

9. Adjournment.

Randy Lindquist.  
Superintendent



## **MEMORANDUM**

**To: Commissioners**

**From: Randy Lindquist,**

**Date: 3-18-2022**

**Title: Agenda Item 1 Approval of bills**

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**Bill paid between February 11<sup>th</sup> , 2022 and March 18<sup>th</sup> 2022**

<b>Total of bills paid</b>	<b>\$158,308.65</b>
<b><u>Total Payroll</u></b>	<b><u>\$ 12,144.38</u></b>
<b>Total Payments</b>	<b>\$170,453.03</b>

3/18/2022

9:34 AM

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ACCT

## 1 OPERATING CHECKING

## Accounting Checks

Posted From: 2/11/2022

From Account:

Thru:

Thru Account:

Check Nbr	Check Date	Payee	Amount
ETF	2/28/2022	EMPLOYEE TRUST FUNDS	1,786.40
	Manual Check		
IRS	2/28/2022	IRS - 941 V PAYMENT	3,100.20
	Manual Check	2-2022	
XCEL	2/22/2022	XCEL ENERGY	5,664.41
	Manual Check		
15621	2/22/2022	COMMERCIAL TESTING LABORATORY, INC. CUST #82800	239.40
15622	2/22/2022	G & N ENTERPRISES 4511	725.00
15623	2/22/2022	GRAYMONT (WI) LLC	9,358.57
15624	2/22/2022	WWOA WC REGIONAL 3-1-22	36.23
15625	2/22/2022	McMaster-Carr	192.65
15629	2/28/2022	COORDINATED BUSINESS SYSTEMS	50.81
15630	2/28/2022	GRAYMONT (WI) LLC	4,642.32
15631	2/28/2022	WE ENERGIES ACCT#3643-488-772	1,330.25
15632	2/28/2022	WISCONSIN DEPT. OF REVENUE TA #600-0000053603-03	10.00
15633	2/28/2022	PORCUPINE ENTERPRIZES LLC AMERY	62,973.81
15634	3/10/2022	CITY OF AMERY 2021 REFUND	2,551.62
15635	3/10/2022	VILLAGE OF BALDWIN 2021 REFUND	1,695.93
15636	3/10/2022	VILLAGE OF ELLSWORTH 2021 Refund	1,711.97
15637	3/10/2022	CITY OF HUDSON 2021 Refund	6,094.80
15638	3/10/2022	CITY OF NEW RICHMOND 2021 REFUND	6,856.79
15639	3/10/2022	VILLAGE OF OSCEOLA 2021 REFUND	2,323.10
15640	3/10/2022	CITY OF PRESCOTT 2021 REFUND	1,779.55

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ACCT

## 1 OPERATING CHECKING

## Accounting Checks

Posted From: 2/11/2022

From Account:

Thru:

Thru Account:

Check Nbr	Check Date	Payee	Amount
15641	3/10/2022	CITY OF RIVER FALLS 2021 REFUND	6,671.84
15642	3/10/2022	VILLAGE OF ROBERTS 2021 REFUND	944.22
15643	3/10/2022	VILLAGE OF SOMERSET 2021 REFUND	1,861.04
15644	3/10/2022	VILLAGE OF SPRING VALLEY 2021 REFUND	699.38
15645	3/10/2022	DOWNSVILLE SANITARY DISTRICT 2021REFUND	84.60
15646	3/10/2022	ELEVA -STRUM SANITRAY DISTRICT 2021 REFUND	531.35
15647	3/10/2022	VILLAGE OF HAMMOND 2021 REFUND	536.37
15648	3/10/2022	CITY OF LAKE CITY 2021 REFUND	3,690.22
15649	3/10/2022	CITY OF MAZEPPA 2021 REFUND	168.16
15650	3/10/2022	CITY OF MONDOVI 2021 REFUND	1,543.56
15651	3/10/2022	VILLAGE OF PEPIN 2021 REFUND	938.24
15652	3/10/2022	TRAVEL CENTERS of AMERICA 2021 REFUND	73.22
15653	3/10/2022	CITY OF WEST CONCORD 2021 REFUND	301.19
15654	3/10/2022	VILLAGE OF PLUM CITY 2021 REFUND	307.49
15655	3/11/2022	CARD MEMBER SERVICES	977.19
15656	3/11/2022	ALCIVIA	328.15
15657	3/11/2022	COMMERCIAL TESTING LABORATORY, INC. CUST #82800	391.20
15658	3/11/2022	GRAYMONT (WI) LLC	13,812.76
15659	3/11/2022	McMaster-Carr	616.83
15660	3/11/2022	PAULS INDUSTRIAL GARAGE INC ACCT#114609	73.50

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## 1 OPERATING CHECKING

## Accounting Checks

Posted From: 2/11/2022

From Account:

Thru:

Thru Account:

Check Nbr	Check Date	Payee	Amount
15661	3/11/2022	POWERPLAN OIB ACCT#885024198	63.64
15662	3/11/2022	SECURIAN FINANCIAL GROUP INC 3-2022	131.34
15663	3/11/2022	VERIZON WIRELESS ACCT#687095931-00001	434.73
15664	3/11/2022	Waltz Ace Hardware	166.35
15665	3/11/2022	WIESER CONCRETE PRODUCTS INC	193.56
WI457	2/17/2022	Empower Retirement Deffered comp	750.00
	Manual Check	2-14-22 Payroll	
WI457	2/28/2022	Empower Retirement Deffered comp	750.00
	Manual Check	2-28-22 Payroll	
WI457	3/11/2022	Empower Retirement Deffered comp	750.00
	Manual Check	3-14-2022 Payroll	
WIDOR	2/28/2022	WI DEPT REVENUE W/H TAX	556.51
	Manual Check		
MEDICA	2/22/2022	MEDICA	5,816.18
	Manual Check	3-2022	
BANKFEE	2/28/2022	CCF Bank	3.00
	Manual Check	bank fee	
AT&TPHONE	2/22/2022	AT&T Phone	196.94
	Manual Check		
PRINCIPAL	2/28/2022	Principal Life Insurance	474.48
	Manual Check		
HEALTHPART	2/28/2022	HEALTH PARTNERS	347.60
	Manual Check	3-2022	
Grand Total			158,308.65

3/18/2022

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ACCT

1 OPERATING CHECKING

Accounting Checks

Posted From: 2/11/2022  
Thru:

From Account:  
Thru Account:

Amount

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Total Expenditure from Fund # 100 - OPERATING FUND

158,308.65

Total Expenditure from all Funds

158,308.65

## **West Central Wisconsin Biosolids Facility**

### **Commission meeting**

**February 17th 2022**

**Board Members Present:** Gary Newton, Greg Engeset, Kevin Westhuis, Steve Skinner

**Board member Online:** John Bond

**Others present:** Matt Holmen, Jeremy Wood, Joe Intihar

Meeting was called to order by Gary Newton at 8:35 am.

#### **Consent Agenda:**

Motion was made and passed to approve January bills totaling \$155,678.13. M/S Steve/Kevin

Motion was made and passed to approve January 20<sup>th</sup> minutes. M/S Steve/Kevin

#### **Financial Report:**

Randy gave financial report as outlined in the agenda packet. Motion was made and passed to approve financial report. M/S Kevin/Steve

#### **Facilities Report:**

Centrisys: The Centrisys centrifuge was found to have a bad bearing seal during a weekly maintenance check. While purging the feed end main bearings no grease exited the outlet side indicating that the seal had been compromised and grease is entering the machine instead of exiting the purge hole.

Discussion with Centrisys is that the machine could be operated in this condition as long it is not experiencing high vibrations. Centrisys recommended removing the rotating assembly and shipping it to them for inspection and repair. It looks like we last did bearings in 2014 and these bearings have an estimated 12,000 plus hours on them. Centrisys generally recommends changing bearings at 15,000 hours, so we should probably just have them done now.

Bioset. The screw mixer is still in production waiting for parts, they are now hoping for a spring install maybe March or April.

Other projects: Energnecs is hoping to get the level sensors installed soon. They are checking order status and will schedule work as soon as they arrive. Remainder of that project is still pending.

#### **Old Business:**

There was nothing to report on the receiving station update. Randy hadn't heard anything from Donohue Engineering.

Randy sent out the Biosolids By-laws to communities for them to review. Reason for the review is to clarify wording that was confusing or statements that are not clear as they need to be. One community submitted suggestions. Randy will send suggestions and comments to Attorney for their review.

**New Business:**

Randy talked about 2022 draft audit as outlined in the agenda packet. Motion was made and passed to approve the 2022 audit. M/S Kevin/John

**Miscellaneous:**

Randy is going to reach out to Synagro and ask them to attend next Biosolids meeting. Looking to get an update on how things moving on their end.

**Adjournment:**

Meeting was adjourned at 9:45 am. M/S Steve/Kevin



## West Cental Wisconsin Biosolids Facility

month # 2

## Budget Statement

The period of February 1-28, 2022

	Current Month February-22	Budgeted February-22	Variance	YTD actual 2022	YTD Budget 2022	Variance	Budget 2022	% of Budget
<b>Revenues:</b>								
Charges to member facilities	184,920.19	174,013.45	10,906.74	359,264.10	348,026.91	11,237.19	\$ 2,088,161.45	17%
Charges to non-member facilities	37,329.91	46,037.60	(8,707.69)	75,830.03	92,075.19	(16,245.16)	\$ 552,451.14	14%
Other processing revenues	0.00	0.00	0.00	0.00	0.00	0.00	\$ -	
Total charge:	222,250.10	220,051.05	2,199.05	435,094.13	440,102.10	(5,007.97)	\$ 2,640,612.59	
<b>Total Revenues:</b>	222,250.10	220,051.05	2,199.05	435,094.13	440,102.10	(5,007.97)	\$ 2,640,612.59	16%

**Expenditures:****Operating expenses:**

Salaries & wages	51110	12,280.02	13,545.00	(1,264.98)	31,039.79	27,090.01	3,949.78	\$ 162,540.05	19%
FICA/medicare	51121	939.43	1,036.19	(96.76)	2,374.59	2,072.39	302.20	\$ 12,434.31	19%
Retirement	51122	798.20	880.43	(82.23)	2,017.58	1,760.85	256.73	\$ 10,565.10	19%
Health insurance	51131	6,612.34	7,700.00	(1,087.66)	12,194.15	15,400.00	(3,205.85)	\$ 92,400.00	13%
Life insurance	51132	131.34	166.67	(35.33)	335.00	333.33	1.67	\$ 2,000.00	17%
HS.A, Accounts	51133	0.00	1,000.00	(1,000.00)	12,000.00	2,000.00	10,000.00	\$ 12,000.00	100%
Telephone	51210	252.46	541.67	(289.21)	683.66	1,083.33	(399.67)	\$ 6,500.00	11%
Water and Sewer service	51220	0.00	583.33	(583.33)	0.00	1,166.67	(1,166.67)	\$ 7,000.00	0%
Electricity	51230	5,664.41	5,833.33	(168.92)	11,328.82	11,666.67	(337.85)	\$ 70,000.00	16%
Natural gas	51240	2,650.25	833.33	1,816.92	3,970.25	1,666.67	2,303.58	\$ 10,000.00	40%
Training	51250	235.23	250.00	(14.77)	235.23	500.00	(264.77)	\$ 3,000.00	8%
Lawn care	51260	0.00	83.33	(83.33)	0.00	166.67	(166.67)	\$ 1,000.00	0%
Sludge conditioning chemicals	51310	14,175.18	16,666.67	(2,491.49)	24,606.05	33,333.33	(8,727.28)	\$ 200,000.00	12%
Hot dust/ quick lime	51320	18,808.81	15,000.00	3,808.81	36,273.63	30,000.00	6,273.63	\$ 180,000.00	20%
Sulfamic Acid	51340	0.00	916.67	(916.67)	0.00	1,833.33	(1,833.33)	\$ 11,000.00	0%
Lab supplies	51410	503.69	416.67	87.02	503.69	833.33	(329.64)	\$ 5,000.00	10%
Outside lab testing	51420	239.40	500.00	(260.60)	239.40	1,000.00	(760.60)	\$ 6,000.00	4%
Misc general expenses	51425	941.48	1,416.67	(475.19)	1,855.98	2,833.33	(977.35)	\$ 17,000.00	11%
Boot allowance	51426	0.00	25.00	(25.00)	0.00	50.00	(50.00)	\$ 300.00	0%
Engineering	51427	0.00	1,666.67	(1,666.67)	0.00	3,333.33	(3,333.33)	\$ 20,000.00	0%
Fuel for equipment	51510	496.87	291.67	205.20	496.87	583.33	(86.46)	\$ 3,500.00	14%

## West Cental Wisconsin Biosolids Facility

month # 2

## Budget Statement

The period of February 1-28, 2022

		Current Month	Budgeted		YTD actual	YTD Budget		Budget	% of Budget
		February-22	February-22	Variance	2022	2022	Variance	2022	
Contingency	51620	0.00	2,500.00	(2,500.00)	0.00	5,000.00	(5,000.00)	\$ 30,000.00	0%
Centrate treatment	51621	0.00	500.00	(500.00)	0.00	1,000.00	(1,000.00)	\$ 6,000.00	0%
Centrate Transportation	51621	0.00	1,166.67	(1,166.67)	0.00	2,333.33		\$ 14,000.00	0%
Phosphorus chemicals	51710	7,963.71	5,000.00	2,963.71	7,963.71	10,000.00	(2,036.29)	\$ 60,000.00	13%
Property & liability insurance	51810	0.00	1,416.67	(1,416.67)	0.00	2,833.33	(2,833.33)	\$ 17,000.00	0%
Workers compensation	51820	0.00	666.67	(666.67)	0.00	1,333.33	(1,333.33)	\$ 8,000.00	0%
PiLT	51825	0.00	4,063.50	(4,063.50)	0.00	8,126.99	(8,126.99)	\$ 48,761.94	0%
Environmental fees	51850	0.00	31.67	(31.67)	0.00	63.33	(63.33)	\$ 380.00	0%
Odor control chemicals	51990	0.00	4,166.67	(4,166.67)	9,575.89	8,333.33	1,242.56	\$ 50,000.00	19%
Total Operat		72,692.82	88,865.12	(16,172.30)	157,694.29	177,730.23	(20,035.94)	\$ 1,066,381.41	15%

## Maintenance expenses:

Structures & improvements	52110	1,338.10	3,333.33	(1,995.23)	1,338.10	6,666.67	(5,328.57)	\$ 40,000.00	3%
Safety training & supplies	52116	0.00	416.67	(416.67)	0.00	833.33	(833.33)	\$ 5,000.00	0%
HVAC	52120	0.00	416.67	(416.67)	0.00	833.33	(833.33)	\$ 5,000.00	0%
Dewatering equipment	52210	0.00	833.33	(833.33)	0.00	1,666.67	(1,666.67)	\$ 10,000.00	0%
Sludge cake mixer	52220	0.00	416.67	(416.67)	0.00	833.33	(833.33)	\$ 5,000.00	0%
Receiving station equipment	52230	0.00	41.67	(41.67)	0.00	83.33	(83.33)	\$ 500.00	0%
Conveying equipment	52240	0.00	41.67	(41.67)	0.00	83.33	(83.33)	\$ 500.00	0%
Loader	52250	229.62	208.33	21.29	459.24	416.67	42.57	\$ 2,500.00	18%
Pickup truck	52255	42.40	125.00	(82.60)	42.40	250.00	(207.60)	\$ 1,500.00	3%
Scale	52260	7,529.23	416.67	7,112.56	7,529.23	833.33	6,695.90	\$ 5,000.00	151%
Sludge & centrate tanks	52270	0.00	10,416.67	(10,416.67)	0.00	20,833.33	(20,833.33)	\$ 125,000.00	0%
Sludge PC pumps	52280	0.00	2,083.33	(2,083.33)	0.00	4,166.67	(4,166.67)	\$ 25,000.00	0%
Odor Control Equipment	52300	295.35	833.33	(537.98)	295.35	1,666.67	(1,371.32)	\$ 10,000.00	3%
Silos	52400	0.00	166.67	(166.67)	0.00	333.33	(333.33)	\$ 2,000.00	0%
Maintenance office equipmen	52810	0.00	83.33	(83.33)	0.00	166.67	(166.67)	\$ 1,000.00	0%
Projects	52910	0.00	0.00	0.00	0.00	0.00	0.00	\$ -	#DIV/0!
Maintenance other equipmen	52990		3,333.33	(3,333.33)	0.00	6,666.67	(6,666.67)	\$ 40,000.00	0%
Total Maintenance Expenses		9,434.70	23,166.67	(13,731.97)	9,664.32	46,333.33	(36,669.01)	\$ 278,000.00	

## West Cental Wisconsin Biosolids Facility

month # 2

## Budget Statement

The period of February 1-28, 2022

		Current Month February-22	Budgeted February-22	Variance	YTD actual 2022	YTD Budget 2022	Variance	Budget 2022	% of Budget
<b>Administrative:</b>									
Salaries & Wages	53110	1,461.68	1,500.00	(38.32)	3,631.98	3,000.00	631.98	\$ 18,000.00	20%
FICA/medicare	53121	111.82	114.75	(2.93)	278.12	229.50	48.62	\$ 1,377.00	20%
Retirement	53122	95.00	97.50	(2.50)	236.06	195.00	41.06	\$ 1,170.00	20%
Health insurance	53131	500.00	666.67	(166.67)	1,000.00	1,333.33	(333.33)	\$ 8,000.00	13%
Life insurance	53132	40.00	41.67	(1.67)	40.00	83.33	(43.33)	\$ 500.00	8%
Commission expenses	53210	38.30	2,083.33	(2,045.03)	38.30	4,166.67	(4,128.37)	\$ 25,000.00	0%
Office supplies & expenses	53310	111.62	333.33	(221.71)	156.98	666.67	(509.69)	\$ 4,000.00	4%
WEB Site & Software		1,500.00	250.00	1,250.00	3,000.00	500.00	2,500.00	\$ 3,000.00	100%
Outside legal services	53315	0.00	833.33	(833.33)	0.00	1,666.67	(1,666.67)	\$ 10,000.00	0%
Outside bookkeeping services	53316	0.00	0.00	0.00	0.00	0.00	0.00	\$ -	
Accounting & Auditing	53410	9,030.00	1,166.67	7,863.33	9,030.00	2,333.33	6,696.67	\$ 14,000.00	65%
Engineering	53420	0.00	1,666.67	(1,666.67)	0.00	3,333.33	(3,333.33)	\$ 20,000.00	0%
Computer software	53990	0.00	333.33	(333.33)	3,200.00	666.67	2,533.33	\$ 4,000.00	80%
Total admini		12,888.42	9,087.25	3,801.17	20,611.44	18,174.50	2,436.94	\$ 109,047.00	19%
<b>Marketing:</b>									
Product marketing & distributi	55100	0.00	5,000.00	(5,000.00)	0.00	10,000.00	(10,000.00)	\$ 60,000.00	0%
Marketing wages	55600	0.00	0.00	0.00	0.00	0.00	0.00	\$ -	
Marketing fees	55300	0.00	0.00	0.00	0.00	0.00	0.00	\$ -	
Total market		0.00	5,000.00	(5,000.00)	0.00	10,000.00	(10,000.00)	\$ 60,000.00	
<b>Debt Service</b>									
Utility Revenue Loan		0.00	0.00	0.00	0.00	0.00	0.00	\$ -	
<b>Replacement Fund</b>									
		25,000.00	27,083.33	(2,083.33)	52,083.33	54,166.67	(2,083.34)	\$ 325,000.00	16%

## West Cental Wisconsin Biosolids Facility

month # 2

## Budget Statement

The period of February 1-28, 2022

		<i>Current Month February-22</i>	<i>Budgeted February-22</i>	<i>Variance</i>	<i>YTD actual 2022</i>	<i>YTD Budget 2022</i>	<i>Variance</i>	<i>Budget 2022</i>	<i>% of Budget</i>
<b>Transfer from Replacement Fund</b>		-	-	-	-	-	-	\$ -	
<b>Tranportation</b>									
Members	54100	\$50,135.28	52,551.27	(2,415.99)	98,721.97	105,102.55	(6,380.58)	\$ 630,615.30	16%
Non-members	54100	\$12,838.53	14,297.41	(1,458.88)	26,724.09	28,594.82	(1,870.73)	\$ 171,568.89	16%
Total transpo		62,973.81	66,848.68	(3,874.87)	125,446.06	133,697.36	(8,251.30)	\$ 802,184.19	16%
Total Revenue		222,250.10	220,051.05	2,199.05	435,094.13	440,102.10	(5,007.97)	\$ 2,640,612.59	16%
Total Expenses		182,989.75	220,051.05	(37,061.30)	365,499.44	440,102.10	(74,602.66)	\$ 2,640,612.59	14%
<b>Net operating Income</b>		39,260.35	0.00	39,260.35	69,594.69		69,594.69	\$ -	



## MEMORANDUM

**To: Commissioners**

**From: Randy Lindquist,**

**Date: 3-17-2022**

**Title: Agenda Item 4 Facility Report**

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**February 2022**

**Facility Issues:**

**Centrisys Centrifuge**

As stated at last month's meeting the Centrisys centrifuge was found to have a bad bearing seal during a weekly maintenance check. Arrangements were made with O'Neil 5 Star Trucking to ship it to Kenosha for repair. Staff removed the rotating assembly from the frame and motor and prepared it for shipping. It was picked up 3-9-2022 and delivered to Centrisys on 3-11

Upon arrival at Centrisys Corp, the unit was dismantled and inspected. (See inspection report attached to this document). The unit needed more repairs than just bearings and seals and would require 2-4 weeks to complete rather than the one-week turnaround time originally stated.

**Alfa Laval Centrifuge:**

On February 11<sup>th</sup> we started using the Alfa Laval as our main centrifuge. We ran the unit daily for almost 3 weeks and found it to be working well and we were comfortable sending the Centrisys unit away for repair.

On Monday 3-14 the Alfa Laval main bowl motor VFD faulted, and the main drive motor belts were adjusted as they seemed loose. At this time, we found that the motor bearings were getting noisy and the motor shaft had some abnormal movement. We discussed repair / replacement options with Reliance Electric motor repair. Bearings for the motor could take two days to get, and a couple more days to install. If shaft was damaged, that would add more time to the repair. With this information we ordered a new motor. There was one available in Arkansas. We requested the fastest shipping option available. The Alfa was still operating until normal shutdown at 2:00pm. On Tuesday 3-15 the unit was started and ran fine until

7:30am when again the VFD drive faulted. We found a cut in the insulation of one of the primary feed wires. There was enough wire to cut beyond the damage and re-install. The unit was again started up and we were still processing. This went on until around 11:30am when the motor overheated and was shut down. Bearing temps reached 250 degrees, and the motor was no longer operable. Motor was removed and taken to Reliance electric for repair.

On Thursday 3-17 the new motor arrived, we installed onto the centrifuge, wiring connections were not the same as the previous motor so an electrician was needed to run new conduits and junction boxes. This work was performed on Friday 3-18,

Centrifuge was started and operable on Friday 3-18 @ 1:45pm.

Bioset.

An update from Schwing is that the screw mixer is still in production waiting for back-ordered parts. This unit was approved and ordered March 19<sup>th</sup>, 2021, so we are now over one year of waiting.



### Repair Inspection Report and Quote







<b>Customer:</b>	WCWBF	<b>Centrifuge Mfr.</b>	Centrisys
<b>Street</b>	677 Bio Avenue	<b>Model No.</b>	CS21-4HC
<b>City State Zip</b>	Ellsworth, WI 54011	<b>Serial No.</b>	04427
<b>Contact:</b>	Randy Lindquist	<b>Rotodiff Model No.</b>	2071 DLF
<b>Office Phone:</b>	(715)-273-6461	<b>Rotodiff Serial No.</b>	70077
<b>Cell Phone:</b>		<b>Hydraulic Pump Model No.</b>	
<b>E-Mail:</b>		<b>Hydraulic Pump Serial No.</b>	
<b>CC:</b>		<b>Job No.</b>	12933-01,02
<b>Date:</b>	3/15/2022 by ART	<b>P.O. No.</b>	
<b>Description:</b> CS21-4HC rotating assembly and 2071 rotodiff.			
<b>Scope:</b> Inspect and repair			
<b>Regional Sales Manager:</b>	Drew Johnston	262-220-4217	drew.johnston@centrisys.us

### ESTIMATE


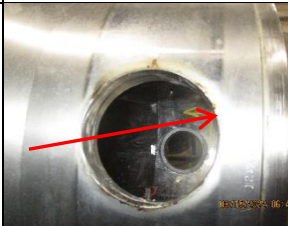



<b>Repair of Rotating Assembly</b>	<b>\$ 28,569.00</b>
<b>Repair of Rotodiff/Gearbox</b>	<b>\$ 20,258.00</b>
<b>Shipping by Customer</b>	
<b>TOTAL</b>	<b>\$ 48,827.00</b>






### TERMS






<b>Terms</b>	<b>Net 30</b>
<b>Delivery</b>	<b>2 to 4 weeks ARO</b>
<b>FOB</b>	<b>Kenosha, WI</b>
<b>Warranty</b>	<b>6 months on repaired/replaced parts</b>
<b>Quote valid for 30 days. Centrisys reserves the right to adjust this estimate.</b>	






	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
	<b>Bowl</b>	Balance <input checked="" type="checkbox"/> Replace all bearings & seals <input checked="" type="checkbox"/>	Balance <input type="checkbox"/> Replace all bearings & seals <input type="checkbox"/>		
1.	<b>Bowl Center Section Inner Surface</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Solids build up <input type="checkbox"/>	No action necessary <input type="checkbox"/> Restore to specification <input type="checkbox"/> Blast for cleanup <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Wear bead <input type="checkbox"/> Replace ___ ceramic tiles <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Blast for cleanup <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Wear bead <input type="checkbox"/> Replace ___ ceramic tiles <input type="checkbox"/> Weld repair <input type="checkbox"/>	Polishing present.	
2.	<b>Bowl Center Section Outer Surface</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Baffle groove damage <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Restore to specification <input type="checkbox"/> Blast for cleanup <input type="checkbox"/> Repair <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Blast for cleanup <input type="checkbox"/> Repair <input type="checkbox"/> Weld repair <input type="checkbox"/>		
3.	<b>Bowl Center Section Wear Strips</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace ___ strips <input type="checkbox"/> Weld repair <input type="checkbox"/> Add strips <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace ___ strips <input type="checkbox"/> Weld repair <input type="checkbox"/> Add strips <input type="checkbox"/>	Some acidic etching found on 3 strips.	
4.	<b>Bowl Conical Inner Surface</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Solids build up <input type="checkbox"/>	No action necessary <input type="checkbox"/> Blast for cleanup <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Wear bead <input type="checkbox"/> Replace ___ ceramic tiles <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action-rush repair <input type="checkbox"/> Blast for cleanup <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Wear bead <input type="checkbox"/> Replace ___ ceramic tiles <input type="checkbox"/> Weld repair <input type="checkbox"/>	Some polishing present. Minor acidic etching present.	
5.	<b>Bowl Conical Outer Surface</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Baffle groove damage <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Blast for cleanup <input type="checkbox"/> Repair <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Blast for cleanup <input type="checkbox"/> Repair <input type="checkbox"/> Weld repair <input type="checkbox"/>		
6.	<b>Bowl Conical Section Wear Strips</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair ___ strips <input type="checkbox"/> Replace ___ strips <input type="checkbox"/> Weld repair <input type="checkbox"/> Add strips <input type="checkbox"/>	No action <input type="checkbox"/> Repair ___ strips <input type="checkbox"/> Replace ___ strips <input type="checkbox"/> Weld repair <input type="checkbox"/> Add strips <input type="checkbox"/>	Minor acidic etching	









	Item/Condition	Recommended Action	Action	Notes	Picture
					Control & scroll to enlarge pic
7.	<b>Bowl Conical Discharge Nozzles</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Missing <input type="checkbox"/> Broken <input type="checkbox"/>	No action necessary Rotate ___ nozzles Repair ___ nozzles Replace <u>6</u> nozzles	<input type="checkbox"/> No action <input type="checkbox"/> Rotate ___ nozzles <input type="checkbox"/> Repair ___ nozzles <input checked="" type="checkbox"/> Replace ___ nozzles		
8.	<b>Bowl Discharge Nozzle Openings</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary Repair Machine Weld repair	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair	Only if disassembled.	
9.	<b>Solid End Headwall External Fits</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary Repair Restore to specification Machine Chrome and grind Weld repair Replace	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/> Replace		
10.	<b>Solid End Headwall Housing Seal Fits</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary Repair Restore to specification Machine Chrome and grind Weld repair	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair	Only if housing seals are present.	
11.	<b>Solid End Housing Seal Assembly</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary Repair Replace Weld repair	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair	Old style, in good condition.	

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
12.	<b>Solid End Headwall Laminar Ring Groove</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Install Laminar Ring groove repair ring #18517 <input type="checkbox"/> Replace Laminar Ring groove repair ring #18517 <input type="checkbox"/>	No action necessary <input type="checkbox"/> Install Laminar ring groove repair ring #18517 <input type="checkbox"/> Replace Laminar ring groove repair ring #18517 <input type="checkbox"/>		
13.	<b>Solid End Headwall Main Bearing Fit</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		
14.	<b>Solid End Headwall Main Bearing Slinger Ring</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Machine <input type="checkbox"/> Replace <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Machine <input type="checkbox"/> Replace <input type="checkbox"/>		
15.	<b>Solid End Headwall Pulley Fits (external)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		
16.	<b>Solid End Headwall- Inner Race, Retainer and Seal Ledge Fits (internal)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input type="checkbox"/> Replace Headwall <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input type="checkbox"/> Replace Headwall <input type="checkbox"/>		







	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
17.	<b>Solid End Headwall- Needle Bearing Shoulder</b> No damage <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Polish <input type="checkbox"/> Weld repair <input type="checkbox"/> Evaluate for Sleeving <input type="checkbox"/> Machine and Sleeve <input type="checkbox"/> Replace Headwall <input type="checkbox"/>	No action necessary <input type="checkbox"/> Polish <input type="checkbox"/> Weld repair <input type="checkbox"/> Evaluate for Sleeving <input type="checkbox"/> Machine and Sleeve <input type="checkbox"/> Replace Headwall <input type="checkbox"/>		
18.	<b>Solid End Headwall- Mechanical Seal Fit</b> No damage <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Polish <input type="checkbox"/> Weld repair <input type="checkbox"/> Evaluate for Sleeving <input type="checkbox"/> Machine and Sleeve <input type="checkbox"/> Replace Headwall <input type="checkbox"/>	No action necessary <input type="checkbox"/> Polish <input type="checkbox"/> Weld repair <input type="checkbox"/> Evaluate for Sleeving <input type="checkbox"/> Machine and Sleeve <input type="checkbox"/> Replace Headwall <input type="checkbox"/>		
19.	<b>Solid End Headwall- Inner Race Retainer</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
20.	<b>Solid End Headwall Seal Ledge</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		
21.	<b>Liquid End Headwall Fits (External)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
22.	<b>Liquid End Headwall Housing Seal Fits</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		
23.	<b>Liquid End Housing Seal Assembly</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Broken <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input type="checkbox"/>	Old style, in good condition	
24.	<b>Liquid End Headwall Laminar Ring Grooves</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Install Laminar ring groove repair ring #18517 <input type="checkbox"/> Replace Laminar ring groove repair ring #18517 <input type="checkbox"/>	No action necessary <input type="checkbox"/> Install Laminar ring groove repair ring #18517 <input type="checkbox"/> Replace Laminar ring groove repair ring #18517 <input type="checkbox"/>		
25.	<b>Liquid End Headwall Main Bearing Fit (External)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		
26.	<b>Liquid End Headwall Carrier Fits (External)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		





	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
27.	<b>Liquid End Headwall Weir Plate Assy's</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Clean <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Clean <input type="checkbox"/>	"C"	
28.	<b>Liquid End Headwall Fits (Internal)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		
29.	<b>Liquid End Headwall Thrust Bearing Fit (Internal)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/> Replace <input type="checkbox"/>		
30.	<b>Liquid End Thrust Bearing Retainer</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/> Weld repair <input type="checkbox"/>	Seal area worn.	
31.	<b>Scroll</b>	Balance <input checked="" type="checkbox"/> Replace all bearings & seals <input checked="" type="checkbox"/>	Balance <input type="checkbox"/> Replace all bearings & seals <input type="checkbox"/>		
32.	<b>Scroll Flights</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Broken <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Flights damaged <input type="checkbox"/> Weld repair flights <input type="checkbox"/> Add ___gussets <input type="checkbox"/> Repair/Add wear protection <input type="checkbox"/> Blast for cleanup <input type="checkbox"/>	No action <input type="checkbox"/> Weld repair flights <input type="checkbox"/> Add ___gussets <input type="checkbox"/> Repair/Add wear protection <input type="checkbox"/> Blast for cleanup <input type="checkbox"/>		

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
33.	<b>Scroll Tungsten Carbide Hard Facing</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Broken <input type="checkbox"/> Missing <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Repair TC Hard facing <input checked="" type="checkbox"/>	No action <input type="checkbox"/> Repair TC Hard facing <input checked="" type="checkbox"/>	Minor chipping.	
34.	<b>Scroll Feed Nozzles</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Broken/Cracked <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair ___ feed nozzles <input type="checkbox"/> Rotate ___ feed nozzles <input type="checkbox"/> Replace <u>3</u> feed nozzles <input checked="" type="checkbox"/>	No action <input type="checkbox"/> Repair ___ feed nozzles <input type="checkbox"/> Rotate ___ feed nozzles <input type="checkbox"/> Replace ___ feed nozzles <input checked="" type="checkbox"/>		
35.	<b>Scroll Feed Nozzle Openings</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/>		
36.	<b>Scroll Feed Chamber</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Solids build up <input type="checkbox"/>	No action necessary <input type="checkbox"/> Clean <input type="checkbox"/> Repair <input type="checkbox"/> Weld and grind repair <input checked="" type="checkbox"/> Replace Tiles <input type="checkbox"/> Repair Wear Protection <input checked="" type="checkbox"/> Blast for cleanup <input checked="" type="checkbox"/>	No action <input type="checkbox"/> Clean <input type="checkbox"/> Repair <input type="checkbox"/> Weld and grind repair <input checked="" type="checkbox"/> Replace Tiles <input type="checkbox"/> Repair Wear Protection <input checked="" type="checkbox"/> Blast for cleanup <input checked="" type="checkbox"/>	Some erosion found.	
37.	<b>Scroll Pre-Chamber</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Solids build up <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Repair <input type="checkbox"/> Add Prechamber Plate <input type="checkbox"/>	No action <input type="checkbox"/> Clean <input type="checkbox"/> Repair <input type="checkbox"/> Add Prechamber Plate <input type="checkbox"/>		
38.	<b>Scroll Solid End Needle Bearing Fits</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Polish <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Polish <input type="checkbox"/>		





	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
39.	<b>Needle Bearing Retaining Plate</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input checked="" type="checkbox"/> Replace <input type="checkbox"/>	<input type="checkbox"/> No action necessary <input checked="" type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input type="checkbox"/> Replace	<input type="checkbox"/> Machine o-ring groove in plate. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
40.	<b>Needle Bearing Retaining Spacer</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input checked="" type="checkbox"/> Replace <input type="checkbox"/>	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input type="checkbox"/> Replace	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
41.	<b>Scroll Liquid End Thrust Bearing Fits (Internal)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
42.	<b>Scroll Rear Chamber</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Liquid found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Clean <input type="checkbox"/> Repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Clean <input type="checkbox"/> Repair	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
43.	<b>Spline Socket</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input checked="" type="checkbox"/> Polish <input type="checkbox"/> Replace <input type="checkbox"/>	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input type="checkbox"/> Replace	<input type="checkbox"/> Not removed. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
44.	<b>Pulley</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input checked="" type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input checked="" type="checkbox"/> Paint <input type="checkbox"/>	<input type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input checked="" type="checkbox"/> Replace <input type="checkbox"/> Paint	<input type="checkbox"/> Both shaft fits oversized. <input type="checkbox"/> Appears to have been rattling on shaft. <input type="checkbox"/> <input type="checkbox"/>	



	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
45.	<b>Carrier 16 Holes</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input checked="" type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input checked="" type="checkbox"/> Paint <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input checked="" type="checkbox"/> Paint <input type="checkbox"/>	Both shaft fits oversized.	
46.	<b>Solid End Pillow Block</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input checked="" type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input type="checkbox"/>	No action <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		
47.	<b>Main Bearing Cover Plate Outer (SE)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Broken <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input checked="" type="checkbox"/>	No action <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input type="checkbox"/>	Polish bore.	
48.	<b>Main Bearing Cover Plate Inner (SE)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Broken <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input checked="" type="checkbox"/>	No action <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input type="checkbox"/>	Polish Bore.	
49.	<b>Liquid End Pillow Block</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input checked="" type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input type="checkbox"/>	No action <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		



	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
50.	<b>Main Bearing Cover Plate Outer (LE)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input type="checkbox"/>	<input type="checkbox"/> No action <input type="checkbox"/> Repair <input checked="" type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint	<input type="checkbox"/> Bore damaged, ring dislodged.	
51.	<b>Main Bearing Cover Plate Inner (LE)</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Broken <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input checked="" type="checkbox"/> Paint <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint	<input type="checkbox"/> Polish Bore	
52.	<b>Spline Shaft</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace		
53.	<b>Rotodiff</b> Leak test passed <input type="checkbox"/> Leak test failed <input type="checkbox"/> Contamination <input type="checkbox"/> Metal flakes in oil <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Oil Sample sent for analysis <input type="checkbox"/>	No action necessary <input type="checkbox"/> Leak & pressure tested <input checked="" type="checkbox"/> Dismantle and clean <input type="checkbox"/> Bearings & seals replaced <input checked="" type="checkbox"/> Replace ___ proximity sensors <input type="checkbox"/> Replace ___ sensor brackets <input type="checkbox"/> Paint <input checked="" type="checkbox"/>	<input type="checkbox"/> No action <input checked="" type="checkbox"/> Leak & pressure tested <input checked="" type="checkbox"/> Bearings & seals replaced <input checked="" type="checkbox"/> Replace ___ proximity sensors <input type="checkbox"/> Replace ___ sensor brackets <input type="checkbox"/> Paint		
54.	<b>Rotodiff Transfer Seal</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Replace <input checked="" type="checkbox"/>	<input type="checkbox"/> No action <input checked="" type="checkbox"/> Replace		
55.	<b>Rotodiff Sealing Rings</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Replace <input checked="" type="checkbox"/>	<input type="checkbox"/> No action <input checked="" type="checkbox"/> Replace		 

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
56.	<b>Rotodiff Cam</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Recondition <input type="checkbox"/> Replace <input checked="" type="checkbox"/>	No action <input type="checkbox"/> Recondition <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		
57.	<b>Rotodiff Rotor</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Lap to clean up <input type="checkbox"/> Replace <u>20</u> pistons <input type="checkbox"/> Replace <u>20</u> rollers <input type="checkbox"/> Replace entire rotor <input checked="" type="checkbox"/>	No action <input type="checkbox"/> Lap to clean up <input checked="" type="checkbox"/> Replace ___ pistons <input type="checkbox"/> Replace ___ rollers <input type="checkbox"/> Replace entire rotor <input type="checkbox"/>		
58.	<b>Rotodiff Distributor</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Lap to clean up <input type="checkbox"/> Recondition <input checked="" type="checkbox"/> Replace <input type="checkbox"/>	No action <input type="checkbox"/> Lap to clean up <input checked="" type="checkbox"/> Recondition <input type="checkbox"/> Replace <input type="checkbox"/>		
59.	<b>Rotodiff Stationary Shaft</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>	No action <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
60.	<b>Rotodiff Shaft Extension</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>	No action <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
61.	<b>Rotodiff Shaft Cap</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>	No action <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		

**NOTE:**

Very high operating temperature, pressure and especially contamination will adversely affect Rotodiff life expectancy. In severe conditions, increase oil change and filter interval to 2500-3000hrs.

When oil filter vase has metallic particles in it and plugs frequently, DO NOT continue to run Rotodiff.

Send Rotodiff in for inspection! Recommended Rotodiff inspection intervals are 15000 hours under normal operating conditions.

If a badly worn Rotodiff is continuously run despite a plugged filter, a catastrophic failure can result and parts of the Rotodiff can be drawn in by the pump unit or plug up the suction strainer, if equipped, and cause the pump to fail as well.

ALWAYS CLEAN THE TANK, REPLACE ALL FILTERS AND STRAINERS AND FLUSH THE HOSES WITH CLEAN OIL BEFORE STARTING THE UNIT AFTER A REPAIRED OR NEW ROTODIFF IS INSTALLED.

THEN REPLACE FILTER AGAIN AFTER 200 HOURS.

<b>Member Truckloads</b>	<b>163</b>
<b>Non Member Truckloads</b>	<b><u>41</u></b>
<b>Total Truckloads</b>	<b>204</b>

<b>Member Gallons</b>	<b>1,198,908</b>
<b>Non Member Gallons</b>	<b><u>276,289</u></b>
<b>Total Gallons</b>	<b>1,475,197</b>

<b>Member Pounds</b>	<b>317,473</b>
<b>Non Member Pounds</b>	<b><u>48,815</u></b>
<b>Total Pounds</b>	<b>366,288</b>

<u>Year to Date</u>							YTD Month	February
		Year	2018	2019	2020	2021	2022	
Load Quantity	Total Member Loads		326	357	360	362	327	
Load Quantity	Total Non-Member Loads		93	97	88	82	86	
Load Quantity	Total Loads		419	454	448	444	413	
Pounds	Total Member Biosolids		554,638	517,757	530,960	620,450	612,997	
Pounds	Total Non-Member Biosolids		99,430	101,872	111,725	115,352	97,868	
Pounds	Total Biosolids		654,068	619,629	642,684	735,802	710,865	
Gallons	Total Member Volume		2,388,775	2,315,571	2,222,799	2,639,771	2,383,517	
Gallons	Total Non-Member Volume		651,185	616,172	543,794	564,270	590,081	
Gallons	Total Volume		3,039,960	2,931,743	2,766,593	3,204,041	2,973,598	

<u>Annual Total</u>								
		Year	2018	2019	2020	2021	2022	
Load Quantity	Total Member Loads		2,045	2,349	2,308	2,161	402	
Load Quantity	Total Non-Member Loads		628	631	573	577	105	
Load Quantity	Total Loads		2,673	2,980	2,881	2,738	507	
Pounds	Total Member Biosolids		3,310,369	3,327,802	3,356,926	3,362,650	738,461	
Pounds	Total Non-Member Biosolids		705,105	722,459	767,602	771,478	120,969	
Pounds	Total Biosolids		4,015,474	4,050,261	4,124,528	4,134,128	859,430	
Gallons	Total Member Volume		14,599,144	14,689,705	15,870,117	15,493,806	2,933,425	
Gallons	Total Non-Member Volume		4,329,111	3,919,174	3,838,196	3,932,546	711,576	
Gallons	Total Volume		18,928,255	18,608,879	19,708,313	19,426,352	3,645,001	

					Monthly Run						
					February 2022						
	Feed Sludge Solids Avg	To Centrisys Centrifuge Average Flow Rate	Centrisys Feed Solids	Centrisys Solids Production	Centrisys Operating Time	To Alfa- Laval Centrifuge Average Flow Rate	Sludge Feed Pump No.1 Runtime	Centrisys Cake Sludge Avg	Alfa Cake Sludge Avg	End Product Solids	Bioset Hydraulic Power Unit Runtime
02/01/2022	2.66	159	1.06	4.62	9.7		9.0	22.89		35.19	9.1
02/02/2022	3.27	151	1.25	5.80	10.3		9.6	21.50		35.38	9.8
02/03/2022	3.43	156	1.33	6.10	10.7		10.1	21.80		36.14	10.1
02/04/2022	3.35	155	1.30	6.18	10.5		9.9	20.99		35.19	10.1
02/05/2022					0.0						
02/06/2022					0.0						
02/07/2022	2.53	159	1.00	4.63	11.0		10.3	21.64		32.51	10.9
02/08/2022	2.65	164	1.08	5.40	10.6		9.9	20.07		34.71	10.1
02/09/2022	2.87	150	1.07	4.65	9.9		7.6	22.99		33.07	7.7
02/10/2022	2.98	156	1.17	5.46	10.6		9.9	21.37		30.57	10.0
02/11/2022	2.33					156	2.8	20.82		34.56	3.1
02/12/2022											
02/13/2022											
02/14/2022	1.96					173	7.8		22.49	27.03	8.3
02/15/2022	1.84					160	7.5		23.60	37.21	9.5
02/16/2022	2.96					170	10.0		22.65	38.39	10.2
02/17/2022	3.35					148	10.2		23.21	35.34	10.4
02/18/2022	3.21					137	9.3		21.32	32.08	9.7
02/19/2022											
02/20/2022											
02/21/2022	2.27					169	9.5		20.96	37.01	10.1
02/22/2022	2.19					163	8.2		22.07	34.99	8.3
02/23/2022	2.13					149	7.5		20.54	34.44	7.6
02/24/2022	2.95					158	10.2		21.15	36.20	10.1
02/25/2022	2.83					157	9.0		22.15	40.36	9.1
02/26/2022											
02/27/2022											
02/28/2022	2.32					138	8.3		18.73	30.82	8.4
Minimum	1.84	150.00	1.00	4.62	0.00	137.00	2.80	20.07	18.73	27.03	3.10
Maximum	3.43	164.00	1.33	6.18	11.00	173.00	10.30	22.99	23.60	40.36	10.90
Total	54.05	1,250.00	9.25	42.85	83.30	1,878.00	176.60	194.06	238.86	691.19	182.60
Average	2.70	156.25	1.16	5.36	8.33	156.50	8.83	21.56	21.71	34.56	9.13

# WEST CENTRAL WISCONSIN BIOSOLIDS MEMBER AND NON-MEMBER SUMMARY BIOSOLIDS HAULING - 12 MONTH SUMMARY

<u>GALLONS SUMMARY</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Mem</u>
MEMBER TOTAL	1,184,609	1,198,908											2,383,517	80.16
NON-MEMBER TOTAL	313,792	276,289											590,081	19.84
<b>FACILITY TOTAL</b>	<b>1,498,401</b>	<b>1,475,197</b>											<b>2,973,598</b>	<b>100.00</b>

<u>TRUCKLOAD SUMMARY</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Mem</u>
MEMBER TOTAL	164	163											327	79.18
NON-MEMBER TOTAL	45	41											86	20.82
<b>FACILITY TOTAL</b>	<b>209</b>	<b>204</b>											<b>413</b>	<b>100.00</b>

<u>% SOLIDS SUMMARY</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>
MEMBER TOTAL	2.95	3.16											3.05
NON-MEMBER TOTAL	1.50	1.95											1.72
<b>FACILITY TOTAL</b>	<b>2.22</b>	<b>2.55</b>											<b>2.39</b>

<u>POUNDS SUMMARY</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Mem</u>
MEMBER TOTAL	295,524	317,473											612,997	86.23
NON-MEMBER TOTAL	49,054	48,814											97,868	13.77
<b>FACILITY TOTAL</b>	<b>344,578</b>	<b>366,288</b>											<b>710,865</b>	<b>100.00</b>

# WEST CENTRAL WISCONSIN BIOSOLIDS MEMBER AND NON-MEMBER SUMMARY BIOSOLIDS HAULING - GALLONS

<u>MEMBERS</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Mem</u>	<u>% Total</u>
Amery	61,698	60,924											122,622	5.14	4.12
Baldwin	59,380	82,516											141,896	5.95	4.77
Ellsworth	70,268	62,318											132,586	5.56	4.46
Hudson	306,768	235,131											541,899	22.74	18.22
N. Richmond	198,953	188,025											386,978	16.24	13.01
Osceola	90,372	107,335											197,707	8.29	6.65
Prescott	37,873	68,214											106,087	4.45	3.57
River Falls	184,436	192,701											377,137	15.82	12.68
Roberts	30,123	10,142											40,265	1.69	1.35
Somerset	121,286	152,086											273,372	11.47	9.19
Spring Valley	23,452	39,516											62,968	2.64	2.12
<b>Total - Members</b>	<b>1,184,609</b>	<b>1,198,908</b>											<b>2,383,517</b>	<b>100.00</b>	<b>80.16</b>

<u>NON-MEMBERS</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Non-Mem</u>	<u>% Total</u>
Eleva Strum															
Plum City	15,501	23,279											38,780	6.57	1.30
Hammond	34,719	27,716											62,435	10.58	2.10
Travel Center of A	15,933	7,799											23,732	4.02	0.80
Mondovi	69,526	54,133											123,659	20.96	4.16
Pepin	74,707	61,141											135,848	23.02	4.57
Mazeppa															
West Concord		6,628											6,628	1.12	0.22
Downsville															
Lake City	103,406	95,593											198,999	33.72	6.69
<b>Total - Non-Members</b>	<b>313,792</b>	<b>276,289</b>											<b>590,081</b>	<b>100.00</b>	<b>19.84</b>

<b>Total - GALLONS</b>	<b>1,498,401</b>	<b>1,475,197</b>											<b>2,973,598</b>		<b>100.00</b>
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# WEST CENTRAL WISCONSIN BIOSOLIDS MEMBER AND NON-MEMBER SUMMARY BIOSOLIDS HAULING - NUMBER OF LOADS

<b>MEMBERS</b>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Mem</u>	<u>% Total</u>
Amery	8	8											16	4.89	3.87
Baldwin	8	11											19	5.81	4.60
Ellsworth	9	8											17	5.20	4.12
Hudson	49	36											85	25.99	20.58
N. Richmond	26	25											51	15.60	12.35
Osceola	12	14											26	7.95	6.30
Prescott	5	9											14	4.28	3.39
River Falls	24	25											49	14.98	11.86
Roberts	4	2											6	1.83	1.45
Somerset	16	20											36	11.01	8.72
Spring Valley	3	5											8	2.45	1.94
<b>Total - Members</b>	<b>164</b>	<b>163</b>											<b>327</b>	<b>100.00</b>	<b>79.18</b>

<b>NON-MEMBERS</b>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Non-Mem</u>	<u>% Total</u>
Eleva Strum															
Plum City	2	3											5	5.81	1.21
Hammond	5	4											9	10.47	2.18
Travel Center of A	2	1											3	3.49	0.73
Mondovi	9	8											17	19.77	4.12
Pepin	10	8											18	20.93	4.36
Mazeppa															
West Concord		1											1	1.16	0.24
Downsville															
Lake City	17	16											33	38.37	7.99
<b>Total - Non-Members</b>	<b>45</b>	<b>41</b>											<b>86</b>	<b>100.00</b>	<b>20.82</b>

<b>Total - TRUCKLOADS</b>	<b>209</b>	<b>204</b>											<b>413</b>		<b>100.00</b>
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**WEST CENTRAL WISCONSIN BIOSOLIDS  
MEMBER AND NON-MEMBER SUMMARY  
BIOSOLIDS HAULING - AVERAGE SOLIDS CONCENTRATION**

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# WEST CENTRAL WISCONSIN BIOSOLIDS MEMBER AND NON-MEMBER SUMMARY BIOSOLIDS HAULING - POUNDS SOLIDS

<u>MEMBERS</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Mem</u>	<u>% Total</u>
Amery	20,952	24,308											45,260	7.38	6.37
Baldwin	13,321	19,905											33,227	5.42	4.67
Ellsworth	10,422	11,183											21,605	3.52	3.04
Hudson	80,672	64,527											145,199	23.69	20.43
N. Richmond	62,855	64,072											126,928	20.71	17.86
Osceola	15,400	18,749											34,149	5.57	4.80
Prescott	12,452	22,822											35,273	5.75	4.96
River Falls	51,319	59,783											111,102	18.12	15.63
Roberts	9,131	4,383											13,514	2.20	1.90
Somerset	14,639	20,352											34,992	5.71	4.92
Spring Valley	4,361	7,389											11,749	1.92	1.65
<b>Total - Members</b>	<b>295,524</b>	<b>317,473</b>											<b>612,997</b>	<b>100.00</b>	<b>86.23</b>

<u>NON-MEMBERS</u>	<u>January,2022</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December,2022</u>	<u>Total</u>	<u>% Non-Mem</u>	<u>% Total</u>
Eleva Strum															
Plum City	1,736	2,965											4,701	4.80	0.66
Hammond	5,280	3,809											9,090	9.29	1.28
Travel Center of A	598	293											891	0.91	0.13
Mondovi	8,902	7,514											16,416	16.77	2.31
Pepin	3,626	4,311											7,937	8.11	1.12
Mazeppa															
West Concord		2,305											2,305	2.36	0.32
Downsville															
Lake City	28,911	27,617											56,528	57.76	7.95
<b>Total - Non-Members</b>	<b>49,054</b>	<b>48,814</b>											<b>97,868</b>	<b>100.00</b>	<b>13.77</b>

<b>Total - POUNDS</b>	<b>344,578</b>	<b>366,288</b>											<b>710,865</b>		<b>100.00</b>
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# Solids

February 2022

Date	Amery % Solids	Baldwin % Solids	Ellsworth % Solids	Hudson % Solids	New Richmond % Solids	Osceola % Solids	Prescott % Solids	River Falls % Solids	Roberts % Solids	Somerset % Solids	Spring Valley % Solids	Eleva/Strum % Solids	Plum City % Solids	Hammond % Solids	Travel Centers of A % Solids	Mondovi % Solids	Pepin % Solids	Mazeppa % Solids	West Concord % Solids	Downsville % Solids	Lake City % Solids
02/01/2022		2.90	2.16	4.59	3.93	2.37		3.69		1.59									4.17		3.29
02/02/2022				4.99	4.20	2.59		3.61	4.99	1.69			1.56								3.51
02/03/2022	6.91	3.03		5.17	4.51		3.87	3.85		1.36						1.65					3.30
02/04/2022					4.54	2.06				1.59											
02/05/2022																					
02/06/2022																					
02/07/2022					3.97		4.48	3.69			2.28			1.59		1.75	0.56				3.28
02/08/2022	3.40	2.66	2.15	3.49	4.25			3.62		1.52											3.33
02/09/2022	3.44			3.65			3.92	3.98		1.64						1.69					3.28
02/10/2022					4.64	2.63		3.65	5.73						0.45						4.31
02/11/2022				0.45	4.19	2.11				1.34	2.22										
02/12/2022																					
02/13/2022																					
02/14/2022				0.44	4.06		3.35				2.16			1.67		1.43	0.84				3.55
02/15/2022	3.69	2.75	2.53	4.66	3.91	1.91	4.13	3.60		1.58											
02/16/2022				4.92	4.21	2.16		3.52		1.50			1.44								3.14
02/17/2022	4.83	2.86		4.06		1.98	4.50	4.15								0.90					3.52
02/18/2022					5.36					1.69											
02/19/2022				0.53		1.91															
02/20/2022																					
02/21/2022				0.83	3.25		3.30	3.59			2.30			1.79		1.68	1.06				
02/22/2022	5.37		1.77					3.89		1.81											3.58
02/23/2022		2.74		1.85	3.93	1.96		3.68		2.05			1.58								3.77
02/24/2022	3.91	3.25		3.79	3.98	1.50	4.25	3.58		1.59						1.46					3.47
02/25/2022				3.74	4.29	1.60				1.14											
02/26/2022																					
02/27/2022																					
02/28/2022		3.01		1.49	3.92		4.29	3.53			2.25			1.55		2.05	0.91				
Minimum	3.40	2.66	1.77	0.44	3.25	1.50	3.30	3.52	4.99	1.14	2.16		1.44	1.55	0.45	0.90	0.56		4.17		3.14
Maximum	6.91	3.25	2.53	5.17	5.36	2.63	4.50	4.15	5.73	2.05	2.30		1.58	1.79	0.45	2.05	1.06		4.17		4.31
Average	4.51	2.90	2.15	3.04	4.18	2.07	4.01	3.71	5.36	1.58	2.24		1.53	1.65	0.45	1.58	0.84		4.17		3.49

# Biosolids Flow

February 2022

Date	Amery Volume Gal	Baldwin Volume Gal	Ellsworth Volume Gal	Hudson Volume Gal	New Richmond Volume Gal	Osceola Volume Gal	Prescott Volume Gal	River Falls Volume Gal	Roberts Volume Gal	Somerset Volume Gal	Spring Valley Volume Gal	Eleva/Strum Volume Gal	Plum City Volume Gal	Hammond Volume Gal	Travel Centers of A Volume Gal	Mondovi Volume Gal	Pepin Volume Gal	Mazeppa Volume Gal	West Concord Volume Gal	Downsville Volume Gal	Lake City Volume Gal	Total Member Volume Gal	Total Non-Member Volume Gal	Total Volume Gal
02/01/2022		15,252	15,687	12,254	15,863	7,432		15,605		7,622									6,628		6,333	89,715	12,961	102,676
02/02/2022				29,533	6,836	7,600		15,540	7,519	15,083			7,820								6,141	82,111	13,961	96,072
02/03/2022	14,857	15,052		11,787	7,519		7,650	15,590		7,399						7,751					5,190	79,854	12,941	92,795
02/04/2022					5,327	7,535				7,490												20,352		20,352
02/05/2022																								
02/06/2022																								
02/07/2022					15,866		7,538	15,789			7,981			7,056		7,566	15,018				6,446	47,174	36,086	83,260
02/08/2022	7,873	14,736	15,645	12,113	11,092			7,624		15,525											6,297	84,608	6,297	90,905
02/09/2022	7,868			12,651			7,593	15,873		15,159						7,588					6,065	59,144	13,653	72,797
02/10/2022					8,062	15,171		7,631	2,623						7,799						6,053	33,487	13,852	47,339
02/11/2022				7,796	7,983	7,681				7,708	7,887											39,055		39,055
02/12/2022																								
02/13/2022																								
02/14/2022				15,209	15,837		7,543				7,861			6,735		7,588	15,392				4,903	46,450	34,618	81,068
02/15/2022	7,686	7,337	15,426	12,146	13,787	7,638	7,543	15,605		15,253												102,421		102,421
02/16/2022				29,996	7,923	7,756		14,677		15,353			7,648								12,024	75,705	19,672	95,377
02/17/2022	7,674	7,461		12,927		7,765	7,660	15,188								555					12,513	58,675	13,068	71,743
02/18/2022					8,046					7,813												15,859		15,859
02/19/2022				7,732		7,808																15,540		15,540
02/20/2022																								
02/21/2022				15,320	15,839		7,487	7,715			7,794			6,771		7,722	15,904					54,155	30,397	84,552
02/22/2022	7,550		15,560					7,564		7,813											5,959	38,487	5,959	44,446
02/23/2022		7,344		21,536	16,009	15,315		15,229		15,135			7,811								5,578	90,568	13,389	103,957
02/24/2022	7,416	7,684		13,044	8,009	7,775	7,646	15,205		7,483						7,751					12,091	74,262	19,842	94,104
02/25/2022				7,253	8,048	7,859				7,250												30,410		30,410
02/26/2022																								
02/27/2022																								
02/28/2022		7,650		13,834	15,979		7,554	7,866			7,993			7,154		7,612	14,827					60,876	29,593	90,469
Minimum	7,416	7,337	15,426	7,253	5,327	7,432	7,487	7,564	2,623	7,250	7,794		7,648	6,735	7,799	555	14,827		6,628		4,903	15,540	5,959	15,540
Maximum	14,857	15,252	15,687	29,996	16,009	15,315	7,660	15,873	7,519	15,525	7,993		7,820	7,154	7,799	7,751	15,904		6,628		12,513	102,421	36,086	103,957
Total	60,924	82,516	62,318	235,131	188,025	107,335	68,214	192,701	10,142	152,086	39,516		23,279	27,716	7,799	54,133	61,141		6,628		95,593	1,198,908	276,289	1,475,197
Average	8,703	10,315	15,580	14,696	11,060	8,945	7,579	12,847	5,071	10,863	7,903		7,760	6,929	7,799	6,767	15,285		6,628		7,353	57,091	18,419	70,247

# Biosolids pH

February 2022

Date	Amery pH SU	Baldwin pH SU	Ellsworth pH SU	Hudson pH SU	New Richmond pH SU	Osceola pH SU	Prescott pH SU	River Falls pH SU	Roberts pH SU	Somerset pH SU	Spring Valley pH SU	Eleva/Strum pH SU	Plum City pH SU	Hammond pH SU	Travel Center of A pH SU	Mondovi pH SU	Pepin pH SU	Mazeppa pH SU	West Concord pH SU	Downsville pH SU	Lake City pH SU
02/01/2022		7.00	6.85	6.60	6.21	7.14		5.89		6.59									7.25		7.11
02/02/2022				6.50	6.02	7.09		5.94	7.09	6.71			7.26								7.04
02/03/2022	6.25	7.37		6.51	5.97		6.50	5.92		6.91						7.55					7.12
02/04/2022				0.00	5.92	7.18				6.44											
02/05/2022																					
02/06/2022																					
02/07/2022					6.16		6.54	6.03			6.77			6.47		7.47	6.88				7.03
02/08/2022	6.49	6.97	6.93	6.58	5.99			5.87		6.88											7.08
02/09/2022	6.54			6.49			6.66	5.92		6.69						7.63					7.10
02/10/2022					5.99	7.12		5.89	6.94						7.28						7.17
02/11/2022				6.85	6.08	7.11				6.54	6.81										
02/12/2022																					
02/13/2022																					
02/14/2022				6.75	6.16		6.46				6.81			6.51		7.14	6.54				7.21
02/15/2022	6.43	7.32	6.98	6.73	6.07	7.23	6.48	5.94		6.70											
02/16/2022				6.68	6.08	7.26		5.95		6.75			7.30								7.29
02/17/2022	6.41	7.30		6.59		7.17	6.48	5.94								7.58					7.24
02/18/2022					6.08					6.24											
02/19/2022				6.92		7.12															
02/20/2022																					
02/21/2022				6.92	6.20		6.48	5.99			6.90			6.50		7.35	6.43				
02/22/2022	6.30		7.02					5.93		6.46											7.28
02/23/2022		7.42		7.04	6.25	7.30		5.96		6.41			7.28								7.31
02/24/2022	6.48	7.26		6.99	6.15	7.26	6.40	5.94		6.58						7.41					7.31
02/25/2022				7.10	6.22	7.31				6.56											
02/26/2022																					
02/27/2022																					
02/28/2022		6.95		7.19	6.34		6.46	5.98			6.51			5.57		7.31	6.32				
Minimum	6.25	6.95	6.85	0.00	5.92	7.09	6.40	5.87	6.94	6.24	6.51		7.26	5.57	7.28	7.14	6.32		7.25		7.03
Maximum	6.54	7.42	7.02	7.19	6.34	7.31	6.66	6.03	7.09	6.91	6.90		7.30	6.51	7.28	7.63	6.88		7.25		7.31
Average	6.41	7.20	6.95	6.38	6.11	7.19	6.50	5.94	7.02	6.60	6.76		7.28	6.26	7.28	7.43	6.54		7.25		7.18

Biosolids Pounds

February 2022

Date	Amery Biosolids lbs	Baldwin Biosolids lbs	Ellsworth Biosolids lbs	Hudson Biosolids lbs	New Richmond Biosolids lbs	Osceola Biosolids lbs	Prescott Biosolids lbs	River Falls Biosolids lbs	Roberts Biosolids lbs	Somerset Biosolids lbs	Spring Valley Biosolids lbs	Eleva/Strum Biosolids lbs	Plum City Biosolids lbs	Hammond Biosolids lbs	Travel Centers of A Biosolids lbs	Mondovi Biosolids lbs	Pepin Biosolids lbs	Mazeppa Biosolids lbs	West Concord Biosolids lbs	Downsville Biosolids lbs	Lake City Biosolids lbs	Total Member Biosolids lbs	Total Non-Member Biosolids lbs	Total Biosolids lbs
02/01/2022		3,689	2,826	4,691	5,199	1,469		4,802		1,011									2,305		1,738	23,687	4,043	27,730
02/02/2022				12,291	2,395	1,642		4,679	3,129	2,126			1,017								1,798	26,261	2,815	29,076
02/03/2022	8,562	3,804		5,082	2,828		2,469	5,006		839						1,067					1,428	28,590	2,495	31,085
02/04/2022					2,017	1,295				993												4,305		4,305
02/05/2022																								
02/06/2022																								
02/07/2022					5,253		2,816	4,859			1,518			936		1,104	701				1,763	14,446	4,505	18,951
02/08/2022	2,232	3,269	2,805	3,526	3,932			2,302		1,968											1,749	20,034	1,749	21,783
02/09/2022	2,257			3,851			2,482	5,269		2,073						1,069					1,659	15,933	2,729	18,661
02/10/2022					3,120	3,328		2,323	1,253						293						2,176	10,024	2,468	12,492
02/11/2022				293	2,790	1,352				861	1,460											6,756		6,756
02/12/2022																								
02/13/2022																								
02/14/2022				558	5,362		2,107				1,416			938		905	1,078				1,452	9,444	4,373	13,817
02/15/2022	2,365	1,683	3,255	4,720	4,496	1,217	2,598	4,685		2,010												27,029		27,029
02/16/2022				12,308	2,782	1,397		4,309		1,921			918								3,149	22,717	4,067	26,784
02/17/2022	3,091	1,780		4,377		1,282	2,875	5,257								42					3,673	18,662	3,715	22,377
02/18/2022					3,597					1,101												4,698		4,698
02/19/2022				342		1,244																1,586		1,586
02/20/2022																								
02/21/2022				1,060	4,293		2,061	2,310			1,495			1,011		1,082	1,406					11,219	3,499	14,718
02/22/2022	3,381		2,297					2,454		1,179											1,779	9,312	1,779	11,091
02/23/2022		1,678		3,323	5,247	2,503		4,674		2,588			1,029								1,754	20,013	2,783	22,796
02/24/2022	2,418	2,083		4,123	2,658	973	2,710	4,540		992						944					3,499	20,497	4,443	24,940
02/25/2022				2,262	2,879	1,049				689												6,880		6,880
02/26/2022																								
02/27/2022																								
02/28/2022		1,920		1,719	5,224		2,703	2,316			1,500			925		1,301	1,125					15,382	3,352	18,733
Minimum	2,232	1,678	2,297	293	2,017	973	2,061	2,302	1,253	689	1,416		918	925	293	42	701		2,305		1,428	1,586	1,749	1,586
Maximum	8,562	3,804	3,255	12,308	5,362	3,328	2,875	5,269	3,129	2,588	1,518		1,029	1,011	293	1,301	1,406		2,305		3,673	28,590	4,505	31,085
Total	24,308	19,905	11,183	64,527	64,072	18,749	22,822	59,783	4,383	20,352	7,389		2,965	3,809	293	7,514	4,311		2,305		27,617	317,473	48,814	366,288
Average	3,472	2,488	2,796	4,033	3,769	1,563	2,536	3,986	2,191	1,454	1,478		988	953	293	939	1,078		2,305		2,124	15,118	3,254	17,442

# Daily Load Count

February 2022

Date	Amery Daily Loads #	Baldwin Daily Loads #	Ellsworth Daily Loads #	Hudson Daily Loads #	New Richmond Daily Loads #	Osceola Daily Loads #	Prescott Daily Loads #	River Falls Daily Loads #	Roberts Daily Loads #	Somerset Daily Loads #	Spring Valley Daily Loads #	Eleva/Strum Daily Loads #	Plum City Daily Loads #	Hammond Daily Loads #	Travel Centers of A Daily Loads #	Mondovi Daily Loads #	Pepin Daily Loads #	Mazeppa Daily Loads #	West Concord Daily Loads #	Downsville Daily Loads #	Lake City Daily Loads #	Total Member Loads #	Total Non-Member Loads #	Total Loads #
02/01/2022		2	2	2	2	1		2		1									1		1	12	2	14
02/02/2022				5	1	1		2	1	2			1								1	12	2	14
02/03/2022	2	2		2	1		1	2		1						1					1	11	2	13
02/04/2022					1	1				1												3		3
02/05/2022																								
02/06/2022																								
02/07/2022					2		1	2			1			1		1	2				1	6	5	11
02/08/2022	1	2	2	2	2			1		2											1	12	1	13
02/09/2022	1			2			1	2		2						1					1	8	2	10
02/10/2022					1	2		1	1						1						1	5	2	7
02/11/2022				1	1	1				1	1											5		5
02/12/2022																								
02/13/2022																								
02/14/2022				2	2		1				1			1		1	2				1	6	5	11
02/15/2022	1	1	2	2	2	1	1	2		2												14		14
02/16/2022				5	1	1		2		2			1								2	11	3	14
02/17/2022	1	1		2		1	1	2								1					2	8	3	11
02/18/2022					1					1												2		2
02/19/2022				1		1																2		2
02/20/2022																								
02/21/2022				2	2		1	1			1			1		1	2					7	4	11
02/22/2022	1		2					1		1											1	5	1	6
02/23/2022		1		3	2	2		2		2			1								1	12	2	14
02/24/2022	1	1		2	1	1	1	2		1						1					2	10	3	13
02/25/2022				1	1	1				1												4		4
02/26/2022																								
02/27/2022																								
02/28/2022		1		2	2		1	1			1			1		1	2					8	4	12
Minimum	1	1	2	1	1	1	1	1	1	1	1		1	1	1	1	2		1		1	2	1	2
Maximum	2	2	2	5	2	2	1	2	1	2	1		1	1	1	1	2		1		2	14	5	14
Total	8	11	8	36	25	14	9	25	2	20	5		3	4	1	8	8		1		16	163	41	204
Average	1	1	2	2	1	1	1	2	1	1	1		1	1	1	1	2		1		1	8	3	10

## Centrate monthly

	01000 Acceptance\Centrate\Testing			
	Centrate BOD	Centrate TSS	Centrate NH3	Centrate Phosphoru s
Date	mg/l	mg/l	mg/l	mg/l
02/01/2022				
02/02/2022				
02/03/2022	1,082	420	186	14.90
02/04/2022				
02/05/2022				
02/06/2022				
02/07/2022				
02/08/2022				
02/09/2022				
02/10/2022	1,184	242	235	9.39
02/11/2022				
02/12/2022				
02/13/2022				
02/14/2022				
02/15/2022				
02/16/2022				
02/17/2022	1,385	482	243	9.83
02/18/2022				
02/19/2022				
02/20/2022				
02/21/2022				
02/22/2022				
02/23/2022				
02/24/2022	1,090	656	373	12.10
02/25/2022				
02/26/2022				
02/27/2022				
02/28/2022				
Minimum	1,082	242	186	9.39
Maximum	1,385	656	373	14.90
Total	4,741	1,800	1,037	46.22
Average	1,185	450	259	11.56

# Centrate Report WCWBF

	Centrate BOD	Centrate TSS	Centrate NH3	Centrate Phosphoru s
Month	mg/l	mg/l	mg/l	mg/l
Mar 2021	2,346	488	364	7.67
Apr 2021	3,859	1,276	489	14.20
May 2021	2,471	665	418	18.00
Jun 2021	1,396	634	420	2.18
Jul 2021	646	582	387	0.36
Aug 2021	684	881	397	3.02
Sep 2021	275	299	245	1.15
Oct 2021	335	207	201	0.99
Nov 2021	809	138	184	1.52
Dec 2021	923	245	222	4.12
Jan 2022	1,081	294	251	12.19
Feb 2022	1,185	450	259	11.56
Minimum	275	138	184	0.36
Maximum	3,859	1,276	489	18.00
Total	16,010	6,157	3,837	76.97
Average	1,334	513	320	6.41

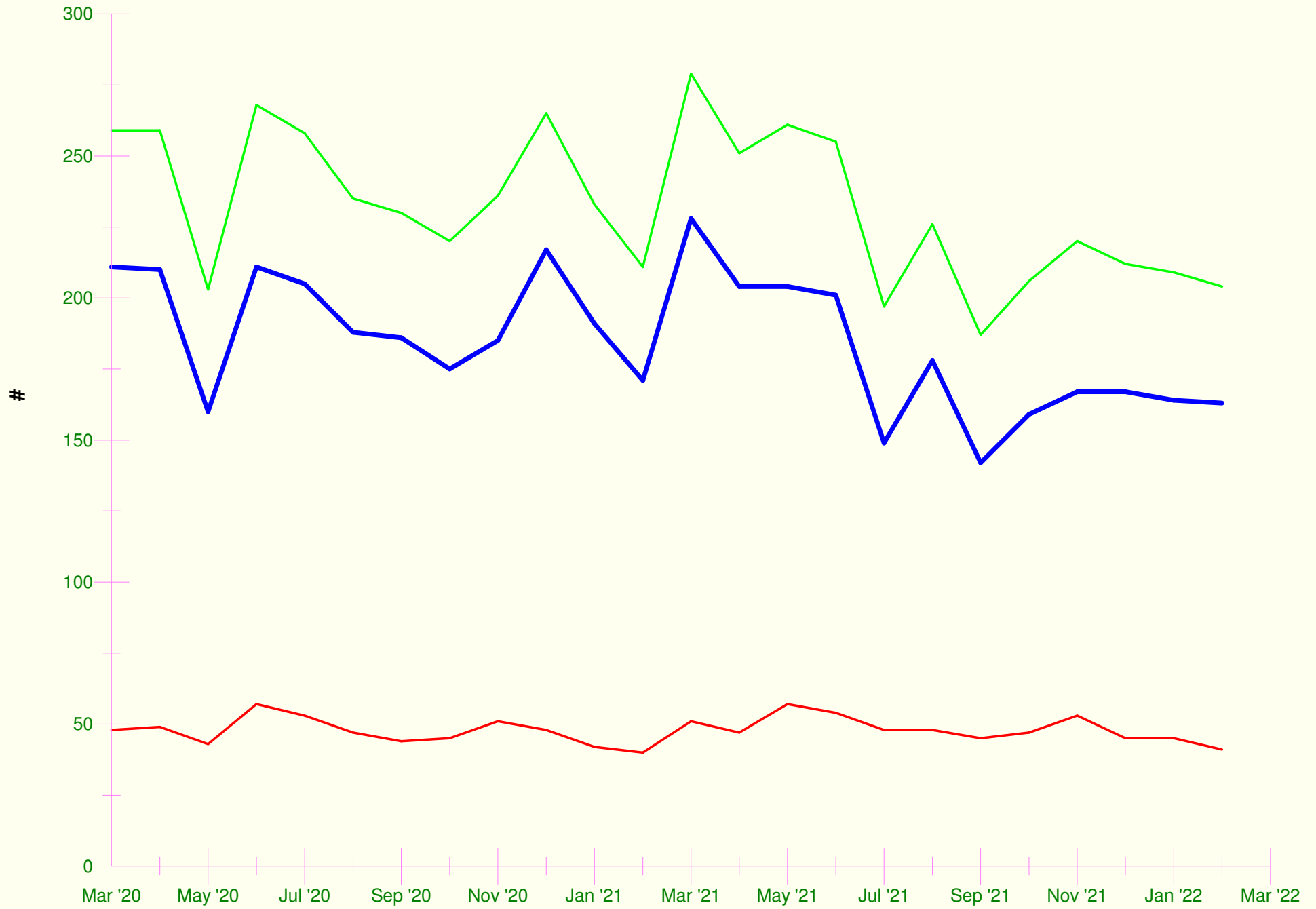


# Truckloads

■ Total Member Loads (Mo Tot)

■ Total Non-Member Loads (Mo Tot)

■ Total Loads (Mo Tot)



Date ( 03/01/2020 to 02/28/2022 )

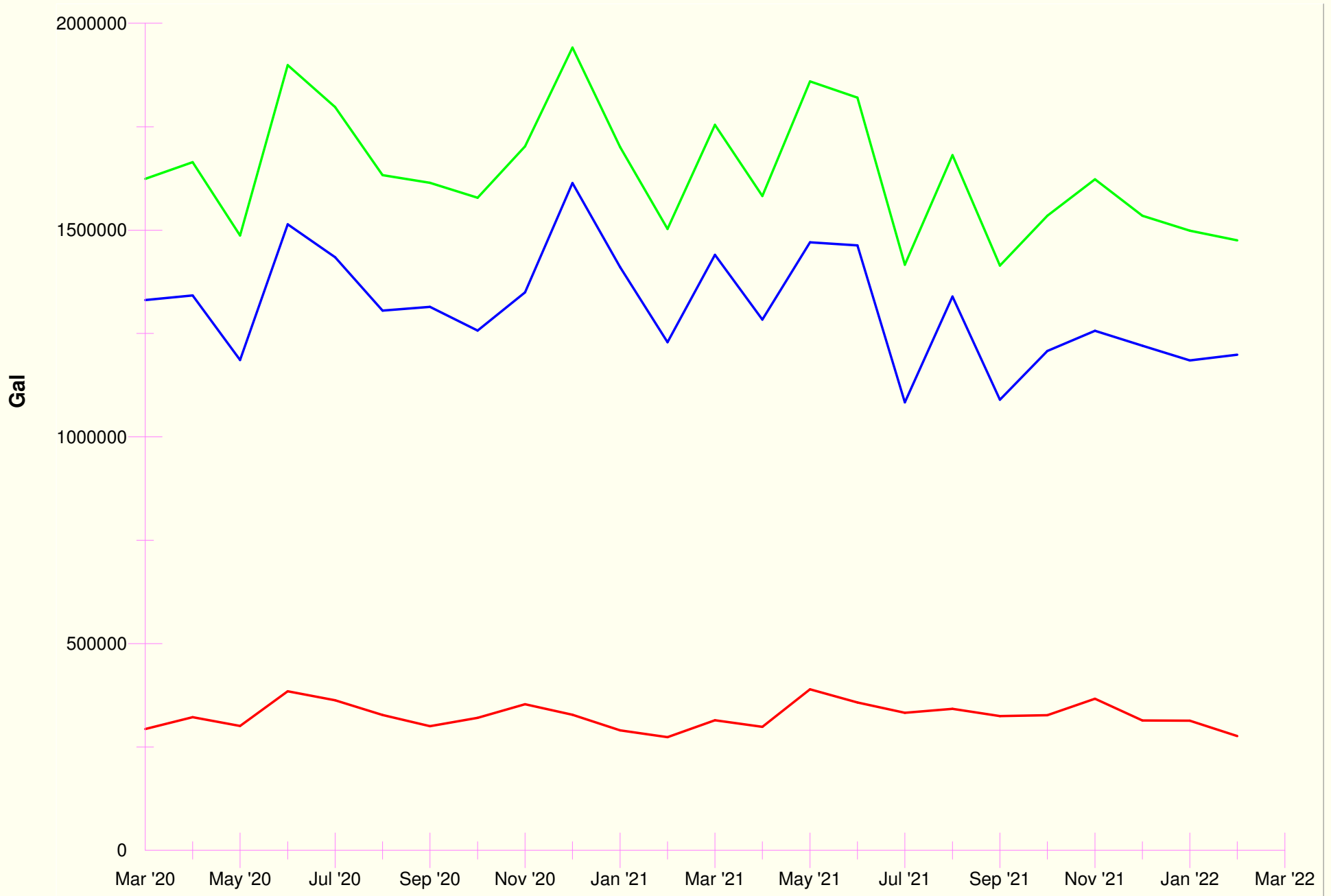
WIMS (WCW Biosolids)  
Total Truckloads

# Gallons

■ Total Member Volume (Mo Tot)

■ Total Non-Member Volume (Mo Tot)

■ Total Volume (Mo Tot)



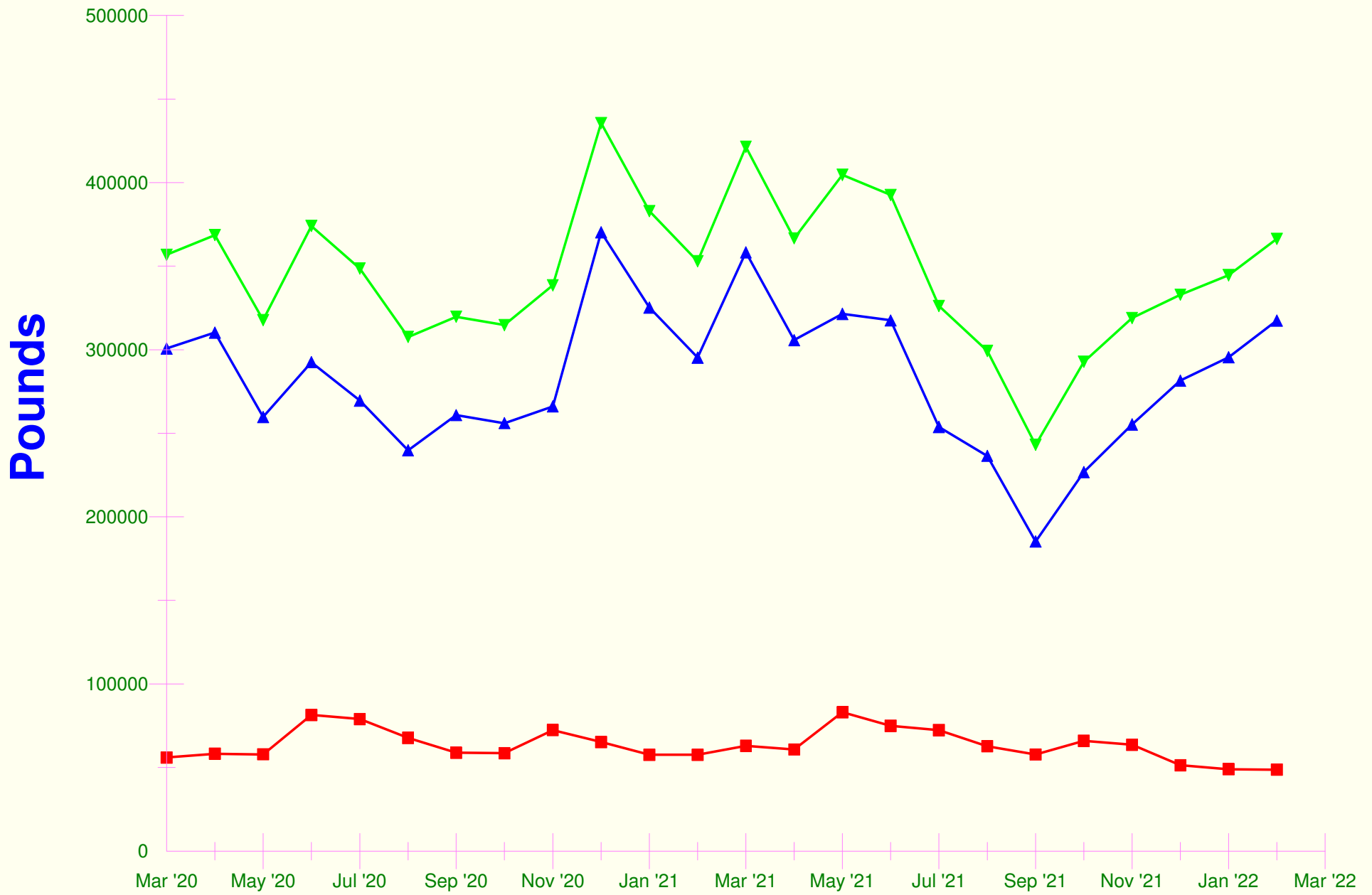
Date ( 03/01/2020 to 02/28/2022 )

WIMS (WCW Biosolids)

Gallons 24

# POUNDS

▲ Total Member Biosolids (Mo Tot)    ■ Total Non-Member Biosolids (Mo Tot)    ▼ Total Biosolids (Mo Tot)



Date ( 03/01/2020 to 02/28/2022 )

WIMS (WCW Biosolids)  
24 month pounds

# Phase 0.5 – Receiving Improvements

## Kickoff Meeting

West Central Wisconsin Biosolids Facility

### Meeting Agenda



Start Time	10:30 AM
Location	WCB Facility

### The Objectives

1. Provide relevant background information. Review and discuss the Facility's goals for Phase 0.5.
2. Donohue team review of facility.

### The Proposed Improvements

- 70'x80' metal building expansion of the garage space
- Two truck bays with one scale and space for a future second scale
- New sludge screening facilities with space for future expansion
- Odor control biofilter and fans, piping
- Electrical, controls, and site work
- New HVAC systems are included for the new facility, as well as the existing spaces to comply with current code.

### The Cost

- The Project Construction Cost Opinion = \$3,013,859
- The Funding Strategy (Funding Workshop @ April 21 Board Mtg)

### The Schedule

- Workshop 1 – Early April
- Workshop 2 – Late April
- Workshop 3 – Mid May
- Workshop 4 – Late June
- Workshop 5 – Late August
- Bidding – Mid September
- Bid Opening – Mid October
- Bid Award – October 26, 2022 Board Meeting



## **MEMORANDUM**

**To: Commissioners**

**From: Randy Lindquist,**

**Date: 3-17-2021**

**Title: Item #6 Lake City Contract renewal**

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**Our Agreement with the city of Lake City will expire on July 10<sup>th</sup> 2022. On February 14<sup>th</sup> the city of Lake City approved a new agreement with the WCWBF for a term of 15 years.**



February 18, 2022

To: West Central Biosolids  
Randy Lindquist  
677 Bio Ave.  
Ellsworth, WI 54011

Please sign both copies, keep one and return the other in the addressed and stamped envelope provided.

Thank you.

*Melissa Krier*

Melissa Krier - Administrative Assistant  
City of Lake City – Public Works  
1885 S Hwy 61 | Lake City, MN 55041  
(651) 448-8145  
[mkrier@ci.lake-city.mn.us](mailto:mkrier@ci.lake-city.mn.us)  
[www.ci.lake-city.mn.us](http://www.ci.lake-city.mn.us)  
Hours of operation 7am to 4pm



**AGREEMENT BETWEEN  
WEST CENTRAL WISCONSIN BIOSOLIDS COMMISSION  
AND THE CITY OF LAKE CITY**

This Agreement ("Agreement") is made effective as of July 11<sup>th</sup>, 2022 ("Effective Date"), by and between the West Central Biosolids Facility Commission, an intergovernmental entity formed pursuant to section 66.0301 (formerly, 66.30), Wis. Stats., (hereinafter known as "Commission" or "Biosolids Facility"), and the City of Lake City (hereinafter known as the "City"), a Minnesota municipality.

**RECITALS**

**WHEREAS**, the City is currently taking service from the Biosolids Facility under an agreement dated July 10, 2012 and due to expire as of July 10, 2022;

**WHEREAS**, the City desires to renew the terms of service under which wastewater sludge would continue to be accepted for processing by the Biosolids Facility under this Agreement and has provided timely notice to begin negotiations over such renewal;

**WHEREAS**, the City warrants and represents that it has full authority to enter into this Agreement with the Commission; and

**WHEREAS**, both the City and the Commission desire to develop a clear understanding as to their mutual responsibilities and rights as to the acceptance and processing of wastewater sludge at the Biosolids Facility as reflected in the terms of this Agreement;

**NOW THEREFORE**, in consideration of the mutual covenants herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereby agree:

1. **SERVICES.**

- a. The City agrees to use the Biosolids Facility for one hundred percent (100%) of its requirements for treatment, disposal, recycling, of biosolids and/or beneficial products derived from its wastewater sludge (hereinafter known as “Biosolids”). The City further agrees that no Biosolids from any other source or no substance shall be intermixed with the City Biosolids to be deposited for processing at the Biosolids Facility by the City.
- b. The Biosolids Facility agrees to contract for transportation, and accept for processing one hundred percent (100%) of the City’s requirements for treatment, disposal, and recycling of Biosolids generated by the City.

2. **SAMPLING AND TESTING.**

- a. The City shall be responsible for taking such samples and tests of its Biosolids before depositing Biosolids at the Biosolids Facility, as the Commission may require from time-to-time. Such sampling and testing shall be reasonably related to determining the character of the Biosolids, and may be adjusted from time-to-time based upon the results of particular tests either at the Biosolids Facility or at the City, but in any event, must meet the state and federal regulations with regard to treatment and processing of clean sludge.
- b. The City agrees that protecting the integrity of the products of the Biosolids Facility's process, as well as compliance with all applicable



Wisconsin state wastewater permits for the Biosolids Facility, are critical priorities, and the City will promptly comply with all sampling and testing directives from the Biosolids Facility. The sampling and testing shall be limited to providing such testing and sampling to those samples and tests which are related to good faith compliance with this Agreement as well as state and federal regulations.

- c. Biosolids shall be analyzed at least once per year or as required by the applicable City wastewater permit(s), for the following substances: total % solids, total % Kjeldahl nitrogen, pH, total % Phosphorus, % Ammonia Nitrogen, total % Potassium, total mg/kg Arsenic, total mg/kg Cadmium, total mg/kg Copper, total mg/kg Lead, total mg/kg Mercury, total mg/kg Molybdenum, total mg/kg Nickel, total mg/kg Selenium, and total mg/kg Zinc. All test results and data from such monitoring will be sent to the Biosolids Facility in a timely manner.
- d. The costs of sampling and testing of the City's separate Biosolids contributions to the Biosolids Facility shall be fully borne by the City.
- e. The City specifically understands and agrees that in the event that any of the tests of its Biosolids or the materials at the Biosolids Facility or at any stage in the processing show levels of contamination of any kind that are unacceptably high under applicable state and/or federal standards, or prudent operating procedure for the Biosolids Facility as determined in the sole judgment of the Commission or Biosolids Facility management staff, the City may be required to perform

additional sampling and testing at its expense in order to provide the Biosolids Facility with needed information.

- f. The Commission agrees that protecting the integrity of the City's treatment facility through compliance with the City's wastewater permit is a critical priority, and upon provision of written notice detailing how the centrate received by the City from the Biosolids Facility does not comply with the City's wastewater permit, the Commission will promptly take corrective action to comply with the City's wastewater permit or, if no such action is practicable, will demonstrate that the quality of the centrate is equivalent to the centrate that is produced by the Facility for other members or customers of the Facility. The sampling and testing results of the centrate shall be in compliance with this Agreement as well as state and federal regulations as it relates to biosolids requirements.

### 3. **TRANSPORTATION.**

- c. The City acknowledges and agrees to use the contracted Biosolids Facility transporter to transport its biosolids and centrate, at a rate negotiated by the Commission, such rate to be reasonably consistent with rates charged to other Facility members and non-members.
- d. Invoicing for the transportation charges will be invoiced through the Biosolids Facility.
- e. The Biosolids Facility shall be responsible for contracting with appropriately licensed and suitable transportation operators or

companies. Furthermore, the Biosolids Facility shall be responsible for coordinating the transportation needed to reasonably comply with the volume of biosolids processed and the storage capacity to be maintained by the City.

#### 4. **DELIVERY.**

- a. The superintendent of the Biosolids Facility (“Superintendent”) will set all delivery and processing schedules at the Biosolids Facility. The Superintendent will work with the contributing facility in scheduling and processing of the City's Biosolids in a manner that reasonably meets the needs of the City to control its volume of storage, odors and other biosolid-related needs.
- b. The Biosolids Facility agrees to maintain current and accurate records concerning the quantity (gallons/lbs. dry solids) of Biosolids delivered to the Biosolids Facility. The Biosolids Facility will also maintain records on the volume of centrate transported to and from the Biosolids Facility. Such records will be provided to the City upon request.

#### 5. **RATES AND PAYMENT.**

- a. The Commission agrees to charge the City for processing Biosolids based on the pounds of dry solids delivered to the Biosolids Facility. Such charges for biosolids processing shall be determined and based on

the cost of processing by the Biosolids Facility. The formula used in determining cost shall be as follows:

(1) For each member of the Commission:

A. The total operation and maintenance (not including transportation cost) cost for the year divided by the total number of pounds of Biosolids processed by the Biosolids Facility for the year multiplied by the number of pounds of Biosolids delivered by the member for the year; plus

B. The total of interest and principal payment made for the year divided by the total number of pounds of Biosolids processed by the Biosolids Facility for the year multiplied by the number of pounds of Biosolids delivered by the member; plus

C. The administrative cost per user, is currently \$1500.00 per year and is reviewed and set each year with the annual budget

D. Transportation cost per hauling contract, as specified in section 2 of this agreement.

(2) For each non-member community, including City:

A. The total operation and maintenance (not including transportation) cost for the year divided by the total number of pounds of Biosolids processed by the Facility for the year multiplied by the number of pounds of Biosolids delivered by the

non-member for the year, plus surcharge not to exceed 10% of the calculated charges; plus

B. The total of interest and principal payment made for the year divided by the total number of pounds of Biosolids processed by the facility, *for the members*, for the year, multiplied by the number of pounds of biosolids delivered by the non-member for the year; plus

C. The administrative cost per user per year, which is currently \$1500.00 and which is reviewed and adjusted at the Annual Meeting of the Members; plus

D. Transportation cost per hauling contract, as specified in section 2 of this Agreement.

- b. The rates shall be computed annually at the end of each calendar year, with the newly computed rate being effective January 1 of the following year. Estimates will be made of each user's share of costs. Current charges as of the Effective Date are set out on Schedule 1. These charges may change in accordance with the terms of this Agreement.
- c. City will be billed on a monthly basis based on actual use. Invoices will be mailed or emailed to the City for the City's share of costs for the immediately preceding month.
- d. At the sole discretion of the Commission, failure to pay past due accounts within sixty (60) days of the invoice date is cause for termination of this Agreement. Late charges may accrue on past due accounts at the rate of 1.5% per month or fraction thereof past due. Adjustment will be made following the end of the calendar year based

on actual cost and pounds processed. An invoice or credit will be issued to adjust estimated charges levied to the cost as determined from the contracted actual cost of processing.

- e. The City shall further pay to the Commission the reasonable attorney's fees and legal costs incurred by the Commission to collect delinquent charges under this Agreement or to enforce the terms and provisions of this Agreement.

6. **NOTICES.**

- a. Invoices for charges shall be mailed by first class mail postage prepaid to the City to the address set forth below unless and until said address is changed by notice to the Commission in writing.
- b. Any other notices hereunder required to be given in writing shall be mailed by certified mail, return receipt requested, if not personally delivered, to the address set forth below and until such said address is changed by notice in writing.

If notice to the City:

205 West Center Street  
Lake City, MN 55041  
P: (651) 345 - 5383

Attention: City Administrator

If notice to the Commission:

West Central Wisconsin Biosolids Facility  
677 Bio Avenue  
Ellsworth, WI 54011

Attention: Superintendent

7. **TERM.**

- a. The Commission and the City understand that this Agreement is intended to be a solution to the City Biosolids storage and disposal requirements. The Commission and the City intend to honor this Agreement for fifteen (15) years from the Effective Date ("Initial Term"), subject to the Early Termination provision hereinafter provided.
- b. No later than one (1) year prior to the end of the Initial Term, the Commission shall provide written notice to the City of its desire to renew this Agreement. The City shall have ninety (90) days thereafter to agree to said extension and the terms thereof, and lacking the same, this Agreement shall terminate.

8. **EARLY TERMINATION.**

- a. The City may terminate this Agreement upon no less than six (6) months written notice under any one or more of the following circumstances: (i) the Biosolids Facility is unable to accept or treat the Biosolids from the City in accordance with the terms of this Agreement; (ii) the Biosolids Facility is unable to meet the transportation requirements of this Agreement; (iii) the Commission otherwise materially violates the terms and conditions of this Agreement.
- b. The Commission may terminate this Agreement upon no less than six (6) months written notice under any one or more of the following circumstances: (i) the Biosolids Facility is unable to accept or treat the Biosolids from the City in accordance with the terms of this Agreement; (ii) the Biosolids Facility is unable to meet the transportation

requirements of this Agreement; (iii) the City otherwise materially violates the terms and conditions of this Agreement.

9. **HAZARDOUS MATERIAL.**

- a. The City agrees not to cause or permit any Hazardous Material (as defined below) to be brought to the Biosolids Facility intermixed with the City Biosolids, or otherwise, without the prior written consent of the Commission, and the Commission shall have the right in its sole discretion to refuse to accept any such Biosolids for processing and/or treatment.

If the City breaches the obligations under this paragraph, or if the presence of Hazardous Material is found in sludge brought or delivered by the City to the Biosolids Facility, the City shall indemnify, defend, and hold the Commission harmless from any and all claims, judgments, damages, penalties, fines, costs, liabilities, or losses whatsoever, including attorney fees that arise during or after the term of this Agreement as a result of the introduction of any such Hazardous Material into the Biosolids Facility processing systems.

- b. As used herein, the terms "Hazardous Material" means any hazardous or toxic, material or waste which is or becomes regulated by any local governmental authority, the State of Wisconsin or the United States Government. The term "Hazardous Material" includes without limitation, any material or substance that is (A) defined as a "hazardous substance" or Hazardous waste" under any local or state statutory, administrative or other provision, (B) petroleum, (C) asbestos, (D) designated as a "hazardous substance" pursuant to Section 311 of the Federal Water Pollution Control Act (33 U.S. C. ss. 1321), (E) defined



as a "hazardous waste" pursuant to Section 1004 of the Federal Resource Conservation and Recovery Act, 42 U.S.C. ss. 6901 et seq. (42 U.S.C. ss. 6903), (F) defined a "hazardous substance" pursuant to Section 101 of the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. ss. 9601 et seq. (42 U.S.C. ss. 9601), or (G) defined as a "regulated substance" pursuant to Subchapter IX, Solid Waste Disposal Act, 42 U.S.C. ss. et seq.

10. **ADDITIONAL REQUIREMENTS.**

The City agrees to provide adequate storage for its Biosolids. The storage tank shall be so designed to allow for the transporter to suction Biosolids from the tank. The suction line shall be equipped with 6" male cam-lock quick connect. The City shall also provide a location to receive centrate accessible to the hauler using a 6" male cam-lock fitting. Said centrate shall meet the City's requirement for the treatment of influent, and any permits that the City may have related to that centrate.

11. **COMPLIANCE WITH ALL LAWS AND REGULATIONS.**

The Biosolids Facility agrees that it shall be solely responsible for compliance with all federal, state and local rules, regulations, codes or directives regarding the transportation, storage, handling, processing, disposal, resale, or other disposition of the biosolids supplied to it under this Agreement.

12. **FUTURE MEMBERSHIP OF THE COMMISSION.**

At any time during the term of this Agreement, the City may apply to become a member of the Commission to receive certain benefits and additional cost savings. Any such application for membership shall be reviewed by the Commission and acted upon by the Commission in its sole discretion in

accordance with the Contract for the Establishment and Operation of the West Central Wisconsin Biosolids Facility and the Commission's Bylaws, as they may be amended from time-to-time. In the event such application for membership is approved, this Agreement may be modified accordingly. Otherwise, an application for membership shall have no effect on the terms and agreement herein.

13. **MISCELLANEOUS.**

- a. **Municipal Liability.** Nothing in this Agreement shall constitute a waiver of any limitations on municipal liability that may exist as a matter of law, including but not limited to limitations under Chapter 893 of the Wisconsin Statutes.
- b. **Insurance.** The Commission shall maintain liability insurance and provide the City with a Certificate of Insurance upon execution of this Agreement.
- c. **Limitations.** Neither party shall be liable to the other for any indirect, incidental, consequential, punitive, multiple, delay-related, performance-related, loss of use, loss of opportunity, loss of goodwill, special or exemplary damages or lost profits or government or regulatory penalties or sanctions arising out of, due to, or in connection with either party's performance or nonperformance under this Agreement, or any of its obligations herein, whether based on contract, tort, strict liability, warranty or otherwise.
- d. **Entire Agreement.** This Agreement represents the entire agreement of the parties as to the provision of specific services to the City by the Commission and the Biosolids Facility.

- e. Amendment or Modification. No amendment or modification may be made to this Agreement except in a writing signed by an authorized representative of the City and the Commission.
- f. Choice of Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Wisconsin, except that, any and all questions arising pursuant to federal law, such as the Clean Water Act, as amended, shall apply as may be appropriate.
- g. Counterparts. This Agreement may be executed in two or more counterparts, all of which shall be considered the same agreement and deemed an original.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed.

**West Central Wisconsin  
Biosolids Commission**

By: \_\_\_\_\_

President of the Commission

Dated: \_\_\_\_\_

Attest: \_\_\_\_\_

**City of Lake City**

By:  \_\_\_\_\_ 

Mayor

Dated: 2.14.22

Attest: Kari Schneck  
City Clerk

## SCHEDULE 1

### CURRENT RATE BILLING CHARGES ADJUSTED ANNUALLY

The 2021 budgeted cost for processing is \$0.4615/ lb. dry solids

The hauling cost as of the Effective Date is \$265.60 per load.

Starting July 1<sup>st</sup>, 2022, the annual charge will be \$274.52 per load, with a CPI adjustment added each year beginning on July 1<sup>st</sup>, 2023, for each of the next four years, plus a fuel cost adjustment of \$3.009 per gallon. \*

If the City cannot accept centrate, then hauling rates for the extra centrate hauled back to non-City wastewater facilities are:

As of the Effective Date:

\$75.00 to Ellsworth, per load

\$200.00 to River Falls, per load

\$200.00 to Baldwin, per load

Starting on July 1, 2022, through June 30, 2027:

\$95.00 to Ellsworth, per load

\$166.25 to River Falls, per load

\$190.00 to Baldwin, per load

\*The current fuel adjustment charge is triggered when fuel costs go above \$2.909 per gallon. The adjustment is calculated in accordance with a formula and adjusted each month, either up or down.



## MEMORANDUM

**To: Commissioners**

**From: Randy Lindquist,**

**Date: 03/10/2022**

**Title: Agenda Item #7**

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**Issue:** Employee was under the assumption that their health insurance deductible had been met when they sought care in December 2021. They were subsequently billed \$1,200 for care received because of how our health insurance policy with an increased deductible renews. In their discussion with JA Counter they learned that their deductible reset on January 1<sup>st</sup> and this expense would not count towards the 2022 annual deductible.

Health savings account deductibles run on a calendar year of Jan 1 to December 31, The health insurance policy period was 11-1-2020 to 12-1-2021. The renewed policy starting December 1<sup>st</sup> 2021 had an increase to the deductible of \$1,200. Because our policy period and our deductible period are different, this \$1,200 out of pocket expense had to be paid in both 2021 and 2022. The employee is asking for re-imbursement of the increased out of pocket expense.

We can avoid this from happening in the future if we revert to a policy that renews January 1<sup>st</sup> of each year. Doing this however would not allow for us to have actual rates of the upcoming year when the budget is approved. The new rate would only be known after the budget is done. This may or may not be of concern and we could estimate the health insurance costs just like we do other budgeted items.