



City Council
COMMITTEE OF THE WHOLE
City of Belvidere, Illinois

Alderman Natalie Mulhall	Chairman Building
Alderman Sandra Gramkowski	Vice-Chairman Building
Alderman Wendy Frank	Chairman Finance and Personnel
Alderman Ric Brereton	Vice -Chairman Finance and Personnel
Alderman Mike McGee	Chairman Planning & Zoning
Alderman Clayton Stevens	Vice-Chairman Planning & Zoning
Alderman Matthew Fleury	Chairman Public Safety
Alderman John Albertini	Vice-Chairman Public Safety
Alderman Daniel Snow	Chairman Public Works
Alderman Marsha Freeman	Vice-Chairman Public Works

AGENDA

May 28, 2024
6:00 p.m.
City Council Chambers
401 Whitney Blvd., Belvidere, Illinois

Call to Order:

Roll Call:

Public Comment:

Public Forum:

Reports of Officers, Boards, and Special Committees:

(A) Fire Department – EMCT Division Recognition.

1. Public Safety, Unfinished Business: None.
2. Public Safety, New Business:

(A) Police Department – Update.

(B) Fire Department – Update.

3. Finance & Personnel, Unfinished Business: None.
4. Finance & Personnel, New Business:

(A) Finance Department – Update.

5. Other:

(A) Public Works – Ordinance Vacating Portions of Morreim Drive and Crosslink Parkway.

(B) Public Works – Water Dept. Equipment Replacement – 2007 Ford Pickup Truck.

(C) Public Works – Landfill #1 Groundwater Monitoring – Bid Tabulation.

(D) Public Works – Landfill #2 Groundwater Monitoring – Bid Tabulation.

(E) Public Works – Street Dept. Building Repairs – Fire Damage.

(F) Public Works – Resolution for Maintenance Under the Illinois Highway Code.

(G) Public Works – WWTP Thickening Centrifuge Repair.

6. Adjournment:



**BELVIDERE
FIRE
DEPARTMENT**
123 S. State St.
Belvidere, IL 61008

From the Office of the Fire Chief
(815)544-2242
Fax (815)544-2278

Memorandum

From:	Chief Schadle	Today's Date:	05/28/2024
To:	Mayor and Council	Subject:	EMCT Division Recognition

Dear Mayor Morris and City Council Members,

I am pleased to present this memorandum to recognize and commend the extraordinary dedication and service of the members of our Emergency Medical Care and Transport (EMCT) Division, who have completed their first year in service to our community with remarkable achievements.

Accomplishments in FY 2024

Patient Care and Assessments:

- 2,628 Patients assessed
- 2,539 EMS calls for service
- 1,918 Emergency transports to hospitals

Ambulance Responses:

- Ambulance 121 responded to 1,457 EMS calls
- Ambulance 122 responded to 1,348 EMS calls

Patient Treatments:

- **886** patients treated for general illness
- **677** patients treated for injuries and pain
- **439** patients treated for other specific health issues like seizures, diabetic issues, and strokes
- **282** patients treated for respiratory or cardiovascular issues
- **175** patients treated for mental health issues or substance abuse
- **42** patients in cardiac arrest or deceased, with **10** of those individuals having a return of spontaneous circulation due to CPR



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Experiences and Challenges

The members of our EMCT Division encounter a wide range of medical emergencies and challenging situations on a daily basis. They are often the first responders to scenes of distress, providing critical care under high-pressure conditions. Their work involves not only medical expertise but also emotional resilience as they comfort and support patients and their families during some of the most difficult moments of their lives.

The dedication, compassion, and professionalism exhibited by our EMCT providers ensure that our community receives the highest standard of emergency medical care. They face unpredictable environments, from responding to severe accidents and life-threatening illnesses to managing the complexities of mental health crises and substance abuse cases.

Recognizing Our Providers

I would like to extend special recognition to the twelve providers who have been instrumental in establishing and upholding the exemplary service standards of our EMCT Division during its inaugural year:

- Angel Cardona
- Hannah DeLeeuw
- Lauren Schultz
- Mikal Maronde
- John Doles
- Quinn Staley
- Apryl Slack
- Emily Riley
- Alexandria Stallons
- Rasmus Gotzsche
- Aubrianna Swader
- Joanna Wessel

These dedicated individuals have shown an unwavering commitment to their roles, demonstrating exceptional skill, bravery, and compassion. Their tireless efforts have not only saved lives but have also significantly enhanced the well-being of our community.



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Conclusion

The first year of the EMCT Division has been marked by outstanding service and remarkable achievements. I am proud of our team's commitment to excellence and their continued dedication to serving our community. Please join me in recognizing and celebrating the contributions of these twelve exceptional providers.

Thank you for your support and recognition of our EMCT Division's vital role in our community's health and safety.

Respectfully Submitted,

Shawn Schadle
Fire Chief

ORDINANCE #

**AN ORDINANCE VACATING PORTIONS
OF MORREIM DRIVE AND
CROSSLINK PARKWAY**

WHEREAS, on the Corporate Authorities of the City of Belvidere adopted Ordinance 627H approving the Final Plat of Cross Link Business Park 2 on June 5, 2023 (the Final Plat); and

WHEREAS, the Final Plat re-routed Cross Link Parkway as set forth on the Final Plat; and

WHEREAS, the re-routing of Cross Link Parkway effectively closed and abandoned portions of Morreim Drive and Crosslink Parkway as shown on the Plat of Vacation attached hereto as Exhibit A and incorporated herein rendering them of no public benefit; and

WHEREAS, the abandoned portions of Morreim Drive and Crosslink Parkway (hereinafter referred to as the Vacated Parcel) are legally described and depicted in the Attached Exhibit A; and

WHEREAS, the City of Belvidere is a home rule unit of government within the meaning of Section 6 of Article VII of the 1970 Constitution of the State of Illinois; and

WHEREAS, after proper notice, a public hearing was held on _____, 2024 pursuant to Section 11-91-1 of the Illinois Municipal Code; and

WHEREAS, the Corporate Authorities of the City of Belvidere find that it is in the public interest to vacate the Vacated Parcel as it no longer serves any public benefit in that it is abandoned due to the realignment of Crosslink Parkway and the City will be relieved of any maintenance obligations; and

WHEREAS, the realignment of Crosslink Parkway as well as the new construction of a Commonwealth Eddison substation on a new lot pursuant to a re-plat of the aforementioned Final Plat have caused all public utility and City utility facilities within the Vacated Parcel to be re-located; and

WHEREAS, the beneficiaries of all public utility easements in the Vacated Parcel, including but not limited to the City of Belvidere, Commonwealth Edison, Nicor Gas Company, and Frontier Communications agree to vacate their public utility easements in the Vacated Parcel.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Belvidere, Boone County, Illinois as follows:

SECTION 1: The foregoing recitals are incorporated herein as if fully set forth. For purposes of this Ordinance, Division 91, of Article 11 of the Illinois Municipal Code (65 ILCS 5/11-91-1 et seq.) shall not apply to this Ordinance and is expressly abrogated and waived. This ordinance is specifically adopted pursuant to home rule authority.

SECTION 2: The Vacated Parcel is hereby vacated under the City's home rule authority, but in accordance with 65 ILCS 5/11-91-1 et seq. Title to the Vacated Parcel reverts to and is confirmed in the adjoining properties the same as if the Vacated Parcel had been dedicated by common law plat and in accordance with section 11-91-2 of the Illinois Municipal Code (65 ILCS 5/11-91-2), 605 ILCS 5/9-127, and as set forth in this Ordinance. rights of the public to use the Vacated Parcel as right-of-way are similarly vacated All easement and abolished. The Mayor is authorized to execute and the Clerk to Attest any documents necessary or convenient to transfer title to the Vacated Parcel to the adjoining properties, if necessary, and extinguish any public right to use the Vacated Parcel as right-of-way.

SECTION 3: The Parcels acquiring title to the Vacated Parcel are:

PIN 05-34-400-013 1504 Crosslink Parkway Belvidere, IL 61008

SECTION 4: The Mayor or his designee is authorized to execute the Plat of Easement Vacation attached hereto as Exhibit B. Upon execution of the Plat of Easement Vacation by the City and all relevant public utilities, the utility easements previously platted shall be vacated.

SECTION 5: That all maps, journals and other records of the City be changed accordingly. The Clerk shall record a copy of this Ordinance with the Boone County Recorders Office. The City shall cause the Plat of Easement Vacation to be recorded separately by the owner of Parcel acquiring title to the Vacated Parcel.

SECTION 6: If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

SECTION 7: All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 8: This Ordinance shall be in full force and effect upon its passage, approval and publication in pamphlet form (which publication is hereby authorized) as provided by law.

Ayes: .
Nays: .
Absentees:

APPROVED:

Mayor Clinton Morris

(SEAL)

ATTEST: _____
City Clerk

Passed:
Approved:
Published:

EXHIBIT A

PART OF THE SOUTHEAST QUARTER (1/4) OF SECTION THIRTY-TWO (32), TOWNSHIP FORTY-FOUR (44) NORTH, RANGE THREE (3) EAST OF THE THIRD (3RD) PRINCIPAL MERIDIAN, CONSISTING OF THE RIGHT OF WAY PREVIOUSLY KNOWN AS IRENE RD; FURTHER DESCRIBED AS; COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION; THENCE NORTH 220' TO A POINT ON THE NORTHERLY RIGHT OF WAY OF US RT 20, THENCE WEST ALONG SAID RIGHT OF WAY 623 FEET MORE OR LESS TO THE EAST LINE OF THE FORMER ROW OF IRENE RD TO THE POINT OF BEGINNING; THENCE NORTH ALONG SAID EAST LINE 958.5 FEET MORE OR LESS TO THE SOUTH LINE OF THE RELOCATED RIGHT OF WAY LINE OF IRENE RD, THENCE NORTHWESTERLY ALONG SAID RIGHT OF WAY LINE ON A CURVE TO THE RIGHT HAVING A RADIUS OF 450, AND MEASURING 176.5 FEET MORE OR LESS, THENCE SOUTH TO NORTH RIGHT OF WAY US RT 20, THENCE EAST TO THE POINT OF BEGINNING. ALL SITUATED IN BOONE COUNTY, ILLINOIS.

Memo

To: Mayor and City Council
From: Brent Anderson, Director of Public Works
Date: 5/22/2024
Re: Water Department Equipment Replacement - 2007 Ford Pickup Truck

The current water department budget includes \$60,000 for the replacement of our 2007 Ford pickup truck. We have received the following truck proposals:

- | | | |
|---|---------------------------------|-------------|
| 1. Kunes Auto Group
1350 S Lincoln St
Elkhorn, WI 53121 | 2024 GMC Sierra 2500HD | \$61,140.00 |
| 2. Essig Motors, Inc
2204 SE Third St
Aledo, IL 61231 | 2021 Chevrolet Silverado 2500HD | \$58,518.00 |

The Essig Motors used truck has 29,810 miles on it. The Kunes truck is a new truck with five miles on it. I believe that a new truck with full warranty is worth more than the \$2,622.00 purchase price difference.

I would recommend the purchase of the 2024 GMC Sierra 2500HD pickup truck from Kunes Auto Group at a cost of \$61,140.00. This vehicle will be paid for from the Water Depreciation Fund (#04-09) which has a current balance of approximately \$1,063,000.

2024 GMC® Sierra 2500HD Pro Service Utility Truck

MSRP
\$53,978

DEALER PRICE
\$71,991



(262) 725-4042

Directions

Get Pre-Qualified

Basic Information

Engine	6.6L V8	Stock #	06T1813
Transmission	10-Speed Automatic	VIN	1GD29LE71RF303834
Doors	4	Year	2024
Exterior Color	Summit White	Make	GMC
Interior Color	Jet Black	Model	Sierra 2500HD
Mileage	5	Trim	Pro
Dealership	Kunes Chevrolet GMC of Elkhorn	Body Type	Truck
Address	1350 Hwy 67 South, Elkhorn, Wisconsin 53121	Condition	New
		Drivetrain	4WD

Disclaimer

Price

Prices shown do not include the dealer document service fee (\$358.03 for Illinois and \$499 for Wisconsin) tax, title or license fee. Dealer installed accessories are included in the price of the vehicle along with all global rebates available. While we make every effort to ensure the data listed here is correct, there may be instances where some of the factory rebates, incentives, options or vehicle features may be listed incorrectly as we get data from multiple data sources. Offers, incentives, discounts, or financing are subject to expiration and other restrictions. See dealer for qualifications and complete details. The price listed includes the largest available incentive and any customer not meeting the residency restriction may receive a dealer discount for the same amount of the manufacturer rebates. Dealer reserves the right to correct any pricing error prior to final sale.





BILL OF SALE

Salesperson: Tom Torgerson

Purchaser:	City Of Belvidere			Phone:	
Co-Purchaser:				Phone:	
Street Address:	401 Whitney Blvd				
City:	Belvidere	State:	IL	Zip Code:	61008
Email Address:	danderson@ci.belvidere.il.us				
County:	Boone				

New Used

Stock #: 06T1813

Date of Order: 05/01/2024

Finance Cash Lease

Anticipated Delivery Date: 05/01/2024

	Year	Make	Model	Color	Miles	Vin Number
Purchased	2024	GMC	Sierra 2500HD	White	5	1GD29LE71RF303834
Trade In						
2nd Trade						

Other Conditions of Sale:

THE ORDERED VEHICLE MUST BE LOCATED
 Mileage on Delivery will not exceed: _____
 Desired trim, options, and color configuration
 agreed upon and attached to this buyers order.
Order Non-Cancelable and Deposit Non-Refundable
if dealer locates vehicle and customer fails to take
delivery of vehicle.

The appraisal of the trade in(s) is based on an
 odometer reading of up to _____ miles, and
 the trade in may be reappraised if it exceeds this limit.

**No oral representations are binding unless
 written on this form. This document
 supersedes any prior agreements and
 representations, regarding the transaction.**
USED VEHICLE ONLY: "The information you see on the
 window form for this vehicle is part of this contract.
 Information on window form overrides any contrary
 provisions in the contract of sale."
**NO PUBLIC LIABILITY, PROPERTY DAMAGE,
 OR PHYSICAL DAMAGE INSURANCE ISSUED.**

MSRP/Retail Price:	\$	\$76,008.00
Discount:	(\$	\$15,580.00)
Trade Allowance:	(\$	\$0.00)
Rebates:	(\$)
Cash Difference:	\$	\$60,428.00
Dealer Added Options:		
	\$	
	\$	
	\$	
	\$	
	\$	
Subtotal w/ Added Options:	\$	\$60,428.00
Dealer Service Fee:	\$	\$499.00
State E-File Fee:	\$	\$35.00
Sales Tax (%Tax Rate):	\$	\$0.00
Title/License Fees:	\$	\$178.00
Payoff:	\$	\$0.00
Total:	\$	\$61,140.00
Deposit on Order:	(\$)
Additional Cash Down Due:	(\$	\$0.00)
Amount Financed/Due:	\$	\$61,140.00

Purchaser Signature:	Date Signed:	05/01/2024	Time Signed:	01:39 PM	AM PM
Co-Purchaser Signature:	Date Signed:	05/01/2024	Time Signed:	01:39 PM	AM PM
Dealer Signature:	Date Signed:	05/01/2024	Time Signed:	01:39 PM	AM PM

ESSIG MOTORS, INC.

2204 South East Third Street
Aledo, Illinois 61231
(309) 582-5336
www.essigs.com

Guest Proposal

Salesman TYLER RYCKEGHE Date 5/13/24

Buyer CITY OF BELVIDERE Business phone 815-519-8360 Home phone _____
Co-Buyer _____ Business phone _____ Home phone _____
Address, City, State & Zip 401 WHITNEY BOULEVARD, BELVIDERE, IL 61008

Vehicle Being Purchased

Stock # 2182824 VIN 1GC5YNE70MF282824 Mileage 29810 Year 2021 Make CHEVROLET
Model SILVERADO 2500H Model Type CK20953 Body 4WD DOUBLE CAB Color WHITE Cyl _____
Vehicle Options _____

Vehicle Being Traded:

VIN _____ Mileage _____ Lienholder _____
Year _____ Make _____ Model _____ Address _____
Body _____ Color _____ Cyl _____
Trade allowance _____ Phone _____
Payoff _____ Good thru _____ Quoted by _____
Loan number _____ Verified by _____

Proposal:

Selling price	<u>57990.00</u>
Accessories	<u>.00</u>
Taxes	<u>.00</u>
Fees	<u>528.00</u>
Insurance	<u>.00</u>
Service contract	_____
Trade payoff	_____
Total cash price	<u>58518.00</u>
Trade allowance	<u>.00</u>
Down payment	<u>.00</u>
Rebate	<u>.00</u>
Unpaid balance due	<u>58518.00</u>

Outside Lendor:

Name _____
Address _____
Phone _____

Service Contract:

Plan Name _____
Price _____
Months/Miles _____
Deductible _____
Plan _____ Product _____

Essig Motors Inc.

2204 SE 3rd St
Aledo, IL 61231-9458
<https://www.essigs.com>

Sales: 3097606954
Service: 3095825336

2021 Chevrolet Silverado 2500HD 4WD Double Cab Long Bed LT



Body Style: Extended Cab
Model Code: CK20953
Engine: 6.6L V-8 gasoline direct injection, variable valve control, regular unleaded, engine with 401HP
Transmission: Automatic
Drive Type: 4x4
Ext. Color: Summit White
Int. Color: Jet Black
Mileage: 29810
VIN #: 1GC5YNE70MF282824
Stock #: 2182824

Internet Price **\$57,990**

***Please Note:** We turn our inventory daily, please check with the dealer to confirm vehicle availability.

2021 Chevrolet Silverado 2500HD LT 4D Extended Cab 4WD Summit White ****LOW LOW MILES, **BACK-UP CAMERA****, NEW READING UTILITY BODY READY FOR WORK, 6.6L V8, 4WD, 10-Way Power Driver Seat Adjuster w/Lumbar, Convenience Package, Dual-Zone Automatic Climate Control, Electric Rear-Window Defogger, Heated Driver & Front Outboard Passenger Seating, Heated Steering Wheel, Keyless Open & Start, Remote Vehicle Starter System. Odometer is 34791 miles below market average! Located in Aledo Illinois, Essig Motors has been family owned and operated since 1989. Owner Jim Essig's experience in the auto industry began in 1975 working for his father's dealership in Washington, Illinois. We are honored to serve Mercer county, surrounding areas, and our growing online community with new, certified pre-owned, pre-owned, and also new and pre-owned commercial vehicles. Essig Motors offers an exceptional selection of new cars, trucks and SUVs including Chevrolet, GMC, Chrysler, Jeep, Dodge and Ram. Our knowledgeable, friendly sales staff is here to answer your questions and help you find the vehicle that meets your needs today!

Memo

To: Mayor and City Council
From: Brent Anderson, Director of Public Works
Date: 5/22/2024
Re: Landfill #1 Groundwater Monitoring – Bid Tabulation

The following bid was received for the two year groundwater monitoring of Belvidere Municipal Landfill #1, beginning with the July 2024 sampling period:

1. Pace Analytical Services	\$12,920.00
2231 West Altorfer Drive	
Peoria, Illinois 61615	

This bid is the same cost as the current contract cost. I would recommend approval of the bid from Pace Analytical Services for the groundwater monitoring at Belvidere Municipal Landfill #1 from July 2024 until August 2025 in the amount of \$12,920.00..

PROPOSAL

To the Council of the City of Belvidere and the Board of Boone County, Illinois.

Proposal of	<u>PACE ANALYTICAL</u>	<u>309-683-1716</u>
	Name of Bidder	Phone Number
	<u>2231 W. Hoffer</u>	<u>Gail Schindler</u>
	Address of Bidder	Contact Person
	<u>Peoria IL</u>	<u>61615</u>
City	State	Zip

for conducting groundwater sampling and analysis at Belvidere Municipal Landfill #1 and Belvidere Municipal Landfill #2 as described in the attached General Instructions and Scope of Work.

1. In submitting this Proposal, the undersigned declares that the only persons or parties interested in the Proposal as principals are those named herein, and that the Proposal is made without collusion with any other person, firm or corporation.
2. The undersigned further declares that he has carefully examined the Request For Proposals, General Instructions, Scope of Work and Proposal forms and that he has familiarized himself with all of the local conditions affecting the proposal and agrees that in making this proposal he waives all right to plead any misunderstanding regarding same.
3. In submitting this bid, the undersigned agrees to abide by and comply with the Illinois Workers' on Public Works Act, 30 ILCS 570/0.01 et seq.
4. In submitting this bid, the undersigned agrees to comply with the Federal Civil Rights Act of 1964, 42 USC Section 2000E et. Seq., and Executive Order #11246, as well as the Human Rights Act, 775 ILCS 5/1-101 et seq.
5. In submitting this bid, the undersigned represents that it is not delinquent in the payment of any tax administered by the State of Illinois, Department of Revenue.
6. In submitting this bid, the undersigned declares that it has adopted a written policy on sexual harassment in accordance with 775 ILCS 5/2-105.
7. In submitting this bid, the undersigned represents that it is not barred from contracting with the State or any local government as a result of a violation of Sections 33E or 33E-4 of the Public Works Act, 720 ILC 5/33E-1 et seq.
8. In submitting this bid, the undersigned agrees to comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq.

9. In submitting this bid, the undersigned agrees to comply with the Illinois Blacklist Trade Law, 775 ILCS 15/1 et seq.

10. This proposal contemplates the sampling and analysis of groundwater at Belvidere Municipal Landfill #1 and Belvidere Municipal Landfill #2. Each site will have a separate proposal, broken down into sampling and analytical activities. The City and/or County reserves the right to award all or a portion of the proposals.

11. The undersigned agrees to complete the tasks described aforesaid at the below prices:

Landfill #1:

Total cost per sampling round for collection and transportation of samples from the ten monitoring wells:

\$ 2,400.00 per round x 2 rounds = \$ 4,800.00

Total cost per sampling round for analytical work (10) monitoring wells:

\$ 4,060.00 per round x 2 rounds = \$ 8,120.00

Total Bid for groundwater monitoring of Landfill #1 for a two-year period (2 rounds):

\$ 12,920.00

Memo

To: City Council/County Board
From: Brent Anderson, Director of Public Works
Date: 5/22/2024
Re: Landfill #2 Groundwater Monitoring – Bid Tabulation

The following bid was received for the two-year groundwater monitoring of Belvidere Municipal Landfill #2, beginning with the October 2024 sampling period:

- | | |
|-----------------------------|-------------|
| 1. Pace Analytical Services | \$76,445.80 |
| 2231 West Altorfer Drive | |
| Peoria, Illinois 61615 | |

This bid is the same cost as our current contract cost. I would recommend approval of the bid from Pace Analytical Services, in the amount of \$76,445.80, for the groundwater monitoring at Belvidere Municipal Landfill #2 for two years, beginning with the October 2024 sampling period.

PROPOSAL

To the Council of the City of Belvidere and the Board of Boone County, Illinois.

Proposal of	<u>PACE ANALYTICAL</u>	<u>309-683-1716</u>
	Name of Bidder	Phone Number
	<u>2231 W. Aitorfer</u>	<u>Gail Schindler</u>
	Address of Bidder	Contact Person
	<u>Peoria IL</u>	<u>61615</u>
	City State	Zip

for conducting groundwater sampling and analysis at Belvidere Municipal Landfill #1 and Belvidere Municipal Landfill #2 as described in the attached General Instructions and Scope of Work.

1. In submitting this Proposal, the undersigned declares that the only persons or parties interested in the Proposal as principals are those named herein, and that the Proposal is made without collusion with any other person, firm or corporation.
2. The undersigned further declares that he has carefully examined the Request For Proposals, General Instructions, Scope of Work and Proposal forms and that he has familiarized himself with all of the local conditions affecting the proposal and agrees that in making this proposal he waives all right to plead any misunderstanding regarding same.
3. In submitting this bid, the undersigned agrees to abide by and comply with the Illinois Workers' on Public Works Act, 30 ILCS 570/0.01 et seq.
4. In submitting this bid, the undersigned agrees to comply with the Federal Civil Rights Act of 1964, 42 USC Section 2000E et. Seq., and Executive Order #11246, as well as the Human Rights Act, 775 ILCS 5/1-101 et seq.
5. In submitting this bid, the undersigned represents that it is not delinquent in the payment of any tax administered by the State of Illinois, Department of Revenue.
6. In submitting this bid, the undersigned declares that it has adopted a written policy on sexual harassment in accordance with 775 ILCS 5/2-105.
7. In submitting this bid, the undersigned represents that it is not barred from contracting with the State or any local government as a result of a violation of Sections 33E or 33E-4 of the Public Works Act, 720 ILC 5/33E-1 et seq.
8. In submitting this bid, the undersigned agrees to comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq.

9. In submitting this bid, the undersigned agrees to comply with the Illinois Blacklist Trade Law, 775 ILCS 15/1 et seq.

10. This proposal contemplates the sampling and analysis of groundwater at Belvidere Municipal Landfill #1 and Belvidere Municipal Landfill #2. Each site will have a separate proposal, broken down into sampling and analytical activities. The City and/or County reserves the right to award all or a portion of the proposals.

11. The undersigned agrees to complete the tasks described aforesaid at the below prices:

Landfill #1:

Total cost per sampling round for collection and transportation of samples from the ten monitoring wells:

\$ 2,400.00 per round x 2 rounds = \$ 4,800.00

Total cost per sampling round for analytical work (10) monitoring wells:

\$ 4,060.00 per round x 2 rounds = \$ 8,120.00

Total Bid for groundwater monitoring of Landfill #1 for a two-year period (2 rounds):

\$ 12,920.00

Landfill #2:

Total cost for collection and transportation of samples from the 22 monitoring wells, five replacement wells and 4 leachate points for the fourth quarter sampling round (List 1, 2, 3A & 4A) utilizing the low stress (low flow) purging and sampling procedure:

$$\underline{\$ 4,300.00} \text{ per round} \times 2 \text{ rounds} = \underline{\$ 8,600.00}$$

Total cost for analytical work of samples from the 22 monitoring wells, five replacement wells and 4 leachate points for the fourth quarter sampling round (List 1, 2, 3A & 4A):

$$\underline{\$ 9,370.35} \text{ per round} \times 2 \text{ rounds} = \underline{\$ 18,740.70}$$

Total cost for collection and transportation of samples from the 22 monitoring wells, five replacement wells and 4 leachate points for the second quarter sampling round (List 1, 2, 3, 3A, 4A & 4B) utilizing the low stress (low flow) purging and sampling procedure:

$$\underline{\$ 4,300.00} \text{ per round} \times 2 \text{ rounds} = \underline{\$ 8,600.00}$$

Total cost for analytical work of samples from the 22 monitoring wells, five replacement wells and 4 leachate points for the 2nd quarter sampling round (List 1, 2, 3, 3A, 4A & 4B):

$$\underline{\$ 19,998.45} \text{ per round} \times 2 \text{ rounds} = \underline{\$ 39,996.90}$$

Sub-total for low stress (low flow) collection and transportation of samples (4 rounds)

$$\underline{\$ 17,200.00}$$

Sub-total for analytical work of samples (4 rounds)

$$\underline{\$ 58,737.60}$$

Total cost for collection and transportation of the annual samples from the Grenke residence monitoring well and (3A) utilizing the low stress (low flow) purging and sampling procedure:

\$ 254.10 per round x 2 rounds = \$ 508.20

Total Cost to obtain semi-annual leachate elevation readings at GW-1, GW-2 and GW-3:

\$ 0.00 per round x 4 rounds = \$ 0.00

Total Bid for groundwater monitoring of Landfill #2 for a two-year period (4 rounds) utilizing the low stress (low flow) purging and sampling procedure:

\$ 76,445.80

Date: 5/20/24

Signature of Bidder:

By: [Signature]

Title: General Manager

Memo

To: Mayor and City Council
From: Brent Anderson, Director of Public Works
Date: 5/22/2024
Re: Street Department Building Repairs – Fire Damage

The following proposals were received for repairing the fire damaged building at the Street Department:

- | | |
|---|--------------|
| 1. Midwest Agri-Systems, Inc
P.O. Box 11
Capron, IL 61012 | \$141,699.00 |
| 2. Scandroli Construction
855 North Madison Street
Rockford, IL 61107 | \$450,855.00 |

The property damage value based on our insurance carrier's appraiser is \$137,772.32. We have replacement cost coverage on this building and the final value will be reviewed by the appraiser once all of the work is completed.

I would recommend approval of the proposal from Midwest Agri-Systems, in the amount of \$141,699.00, for the repairing the fire damaged building at the Street Department. This work will be paid for from Line Item #01-5-310-6010 and reimbursed by insurance.



Resolution for Maintenance Under the Illinois Highway Code

District: 2, County: Boone, Resolution Number: [blank], Resolution Type: Original, Section Number: 24-00000-00-GM

BE IT RESOLVED, by the Council of the City of Belvidere, Illinois that there is hereby appropriated the sum of Eight-hundred Thousand and no/100 Dollars (\$800,000.00)

of Motor Fuel Tax funds for the purpose of maintaining streets and highways under the applicable provisions of Illinois Highway Code from 01/01/24 to 12/31/24

BE IT FURTHER RESOLVED, that only those operations as listed and described on the approved Estimate of Maintenance Costs, including supplemental or revised estimates approved in connection with this resolution, are eligible for maintenance with Motor Fuel Tax funds during the period as specified above.

BE IT FURTHER RESOLVED, that City of Belvidere shall submit within three months after the end of the maintenance period as stated above, to the Department of Transportation, on forms available from the Department, a certified statement showing expenditures and the balances remaining in the funds authorized for expenditure by the Department under this appropriation, and

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit four (4) certified originals of this resolution to the district office of the Department of Transportation.

I Sarah Turnipseed, Clerk in and for said City of Belvidere in the State of Illinois, and keeper of the records and files thereof, as

provided by statute, do hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the

Council of Belvidere at a meeting held on [blank] Date

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this [blank] day of [blank] Month, Year

(SEAL, if required by the LPA)

Clerk Signature & Date [Signature Box]

APPROVED

Regional Engineer Signature & Date Department of Transportation [Signature Box]

Memo

To: Mayor and City Council
From: Brent Anderson, Director of Public Works
Date: 5/22/2024
Re: WWTP Thickening Centrifuge Repair

The second of our two Centrisys thickening centrifuges at the WWTP needs to be repaired. The cost estimate from Centrisys to make the repairs to the THK200 Rotating Assembly is \$45,484.90.

I would recommend approval of the proposal from Centrisys for factory repairs to the thickening centrifuge at the WWTP at a cost not-to-exceed \$45,484.90. This work will be paid for from the Sewer Depreciation Account #61-1790.

A motion to waive the bidding process will be required as the cost for the repairs exceeds \$20,000.



Repair Inspection Report and Quote

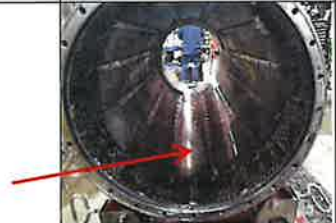





Customer:	Belvidere	Centrifuge Mfr.	Centrisys
Street	2001 Newburg Road	Model No.	THK 200
City State Zip	Belvidere, IL 61008	Serial No.	
Contact:	Tony DiVito	Rotodiff Model No.	1071 S CY LU2
Office Phone:	Site: 773-457-3494	Rotodiff Serial No.	140443M01
Cell Phone:	815-544-2072	Hydraulic Pump Model No.	
E-Mail:	tdivito@mechinc.com	Hydraulic Pump Serial No.	
CC:		Job No.	13776-01,02
Date:		P.O. No.	
Description: THK 200 rotating assembly and 1071 rotodiff.			
Scope: Inspect and repair			






ESTIMATE

Repair of Rotating Assembly	\$ 28,600.00
Repair of Rotodiff/Gearbox	\$ 8,150.00
Feed Pipe Modification	\$ 6,734.90
Shipping	\$ 2,000.00
TOTAL	\$ 45,484.90







TERMS






Terms	Net 30
Delivery	6 to 8 weeks ARO
FOB:	Kenosha, WI
Warranty	6 months on repaired/replaced parts
Quote valid for 30 days. Centrisys reserves the right to adjust this estimate.	

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
	Bowl	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.	Bowl Center Section Inner Surface 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"/> Restore to specification <input type="checkbox"/> Blast for cleanup <input type="checkbox"/> Repair <input checked="" 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 type="checkbox"/> Repair <input type="checkbox"/> Wear bead <input type="checkbox"/> Replace ___ ceramic tiles <input type="checkbox"/> Weld repair <input type="checkbox"/>		
2.	Bowl Center Section Outer Surface 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 checked="" 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.	Bowl Center Section Wear Strips 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 checked="" 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"/>		
4.	S/E Headwall Discharge Nozzles 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"/> Broken <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair ___ nozzles <input type="checkbox"/> Replace ___ nozzle holders <input type="checkbox"/>	No action <input type="checkbox"/> Rotate ___ nozzles <input type="checkbox"/> Repair ___ nozzles <input type="checkbox"/> Replace ___ nozzle holders <input type="checkbox"/>		
5.	Solid End Headwall External Fits 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"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input checked="" type="checkbox"/> Weld repair <input type="checkbox"/>	No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>		
6.	Solid End Headwall Housing Seal Ring #34733 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 checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Machine <input type="checkbox"/> Replace <input type="checkbox"/>		






	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
7.	Solid End Headwall Housing Seal Ring Fits (External) 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"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair	Not removed.	
8.	Solid End Headwall Laminar Ring Grooves Good condition <input checked="" type="checkbox"/> Damaged / Worn <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Install Repair Ring #32855 <input type="checkbox"/>	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Repair		
9.	Solid End Headwall Main Bearing Fit 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"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair		
10.	Solid End Headwall Pulley/Carrier Fits (external) 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"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair		
11.	Solid End Pulley/Carrier Laminar Ring Grooves Good condition <input checked="" type="checkbox"/> Damaged / Worn <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Install Repair Ring #32855 <input type="checkbox"/>	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Repair		








	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
12.	Solid End Headwall- Internal Fits 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 Restore to specification Machine Chrome and grind Weld repair Replace Headwall	<input checked="" type="checkbox"/> No action <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 Headwall		
13.	Solid End Headwall- Needle Bearing Fit 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"/> Needle Bearing Failed <input type="checkbox"/>	No action necessary Restore to specification Machine Chrome and grind Weld repair Polish Replace Headwall	<input checked="" type="checkbox"/> No action <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		
14.	S/E Headwall A/C Seal Fit Condition 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 Restore to specification Machine Chrome and grind Weld repair Polish Replace Headwall	<input checked="" type="checkbox"/> No action <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		
15.	Solid End Headwall Needle Bearing / Inner Race Retaining Plate No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary Machine Weld repair Polish Replace	<input type="checkbox"/> No action necessary <input type="checkbox"/> Machine <input type="checkbox"/> Weld repair <input type="checkbox"/> Polish <input checked="" type="checkbox"/> Replace		
16.	Liquid End Headwall Fits (External) 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 Restore to specification Machine Chrome and grind Weld repair	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair		






	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic	
17.	L/E Headwall Discharge Nozzles 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 Replace ___ nozzles	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace ___ nozzles	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
18.	Liquid End Headwall Housing Seal Ring #34733 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 Repair Machine Replace	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Machine <input type="checkbox"/> Replace	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
19.	Liquid End Headwall Housing Seal Ring Fits (External) 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 Restore to specification Machine Chrome and grind Weld repair	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Not removed	
20.	Liquid End Headwall Laminar Ring Grooves Good condition <input checked="" type="checkbox"/> Damaged / Worn <input type="checkbox"/>	No action necessary Install Repair Ring #32812	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Repair	<input type="checkbox"/> <input type="checkbox"/>		
21.	Liquid End Headwall Main Bearing Fit (External) 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 Restore to specification Machine Chrome and grind Weld repair	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
22.	LEHW Liquid End Main Bearing Retaining Ring #22724 No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary Repair Machine Replace	<input type="checkbox"/> No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Machine <input checked="" type="checkbox"/> Replace	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		






	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
23.	Liquid End Headwall Fits (Internal) 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"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair		
24.	Liquid End Headwall Thrust Bearing Fit (Internal) 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"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <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		
25.	Liquid End Headwall Thrust Bearing Retainer Fits 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"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair		
26.	Liquid End Thrust Bearing Retainer/ ACBB Retaining Plate # 19927 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 <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair		
27.	L.E. Thrust Bearing / A.C. Seal Housing #34743 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"/> 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"/>	<input checked="" type="checkbox"/> No action <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		







	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic	
28.	L/E Internal ACBB Seal Retainer (#15) #36925 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"/>	No action Repair Replace	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
29.	Liquid End Headwall Mechanical Seal Fit 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 Restore to specification Machine Chrome and grind Weld repair	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Machine <input type="checkbox"/> Chrome and grind <input type="checkbox"/> Weld repair	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
30.	Scroll	Balance Replace all bearings & seals	<input checked="" type="checkbox"/> Balance <input checked="" type="checkbox"/> Replace all bearings & seals	<input type="checkbox"/> <input type="checkbox"/>		
31.	Scroll Flights 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 Flights damaged Weld repair flights Add __gussets Repair/Add wear protection Blast for cleanup	<input checked="" 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"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
32.	Scroll Tungsten Carbide Hard Facing 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 Repair TC Hard facing Flights damaged Weld repair flights	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair TC Hard facing <input type="checkbox"/> Weld repair flights	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
33.	Scroll Feed Nozzles No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Broken/Cracked <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary Repair __ feed nozzles Rotate __ feed nozzles Replace __ 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 type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
34.	Scroll Feed Chamber 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 Clean Repair Weld and grind repair Replace Tiles Repair Wear Protection 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 type="checkbox"/> Replace Tiles <input type="checkbox"/> Repair Wear Protection <input type="checkbox"/> Blast for cleanup	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
35.	LE Scroll Mount Bolt Pattern Not Modified <input type="checkbox"/> Modified <input type="checkbox"/> 8 Bolt Pattern <input type="checkbox"/> 10 Bolt Pattern <input checked="" type="checkbox"/>	No action necessary Machine Replace	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Machine <input type="checkbox"/> Replace		
36.	Scroll Liquid End Thrust Bearing Fits (Internal) 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 Restore to specification Repair Machine and sleeve	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve		
37.	SE Scroll Mount Ring / Impellor Plate Fit to Scroll 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 Restore to specification Repair Machine and sleeve Polish	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Polish		
38.	SE Scroll Mount Ring / Impellor Plate 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"/>	No action necessary Restore to specification Repair Machine and sleeve Polish	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Polish		
39.	Scroll Mounting Ring AC Seal Update No damage <input checked="" type="checkbox"/> Updated <input type="checkbox"/>	No action necessary Updated	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Updated		

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic	
40.	SE Scroll Mounting Ring AC Seal Holder/ Housing #36897 Seal Surface Condition 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"/>	No action necessary Restore to specification Repair Machine and sleeve Polish	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Polish	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
41.	Scroll Mounting Ring Needle Bearing Fit No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary Machine Weld repair Polish Replace	<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 type="checkbox"/> <input type="checkbox"/>		
42.	Scroll Mounting Ring Transition Flights No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary Machine Weld repair Polish Replace	<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 type="checkbox"/> <input type="checkbox"/>		
43.	Scroll Mounting Ring Plow Blade Condition No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary Replace	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Replace	<input type="checkbox"/> <input type="checkbox"/>		
44.	Scroll Mounting Ring Wear Scraper No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary Replace Repair	<input checked="" type="checkbox"/> No action necessary <input type="checkbox"/> Replace <input type="checkbox"/> Repair	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
45.	SE Scroll Mounting Ring Spline Socket Fit No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary Machine Weld repair Polish Replace	<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 type="checkbox"/> <input type="checkbox"/>		
46.	SE Air Diffusion Plate No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary Machine Weld repair Polish Replace	<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 type="checkbox"/> <input type="checkbox"/>		

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
47.	SE Spline Socket Cap Airlines 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 necessary <input checked="" type="checkbox"/> Replace	<input type="checkbox"/> Replace hose.	
48.	Pulley/Carrier 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"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint		
49.	Solid End Pillow Block 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"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input type="checkbox"/>	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint		
50.	Main Bearing Cover Plate Outer (SE) 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 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		
51.	Main Bearing Cover Plate Inner (SE) 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 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		

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic	
52.	Liquid End Pillow Block 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 Restore to specification Repair Machine and sleeve Replace Paint	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Restore to specification <input type="checkbox"/> Repair <input type="checkbox"/> Machine and sleeve <input type="checkbox"/> Replace <input type="checkbox"/> Paint	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
53.	Main Bearing Cover Plate Outer (LE) 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"/> #14936 <input checked="" type="checkbox"/> #40726 With Feed Pipe Connection <input type="checkbox"/>	No action necessary Repair Replace Weld repair Paint Update to #40726	<input type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Weld repair <input type="checkbox"/> Paint <input checked="" type="checkbox"/> Update to #40726	<input type="checkbox"/> Change to new design per GK <input type="checkbox"/> <input type="checkbox"/> #40726		
54.	Main Bearing Cover Plate Inner (LE) 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 Repair Replace Weld repair Paint	<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"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
55.	Spline Shaft 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 Replace	<input checked="" type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
56.	Feed Pipe No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Not Sent <input checked="" type="checkbox"/> #34556 <input type="checkbox"/> #40727 <input type="checkbox"/>	No action necessary Repair Replace Update to #40727	<input type="checkbox"/> No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Update to #40727	<input type="checkbox"/> Not sent. <input type="checkbox"/> Quote Option.		

	Item/Condition	Recommended Action	Action	Notes	Picture Control & scroll to enlarge pic
57.	Rotodiff 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 checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Sensors and Bracket sent <input 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"/>	No action <input 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 <input type="checkbox"/>		
58.	Rotodiff Sealing Rings 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 checked="" type="checkbox"/> Replace <input type="checkbox"/>	No action <input type="checkbox"/> Replace <input type="checkbox"/>		
59.	Rotodiff Cam 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"/> Recondition <input type="checkbox"/> Replace <input type="checkbox"/>	No action <input type="checkbox"/> Recondition <input type="checkbox"/> Replace <input type="checkbox"/>		
60.	Rotodiff Rotor 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"/> Replace ___ pistons <input checked="" type="checkbox"/> Replace ___ rollers <input type="checkbox"/> Replace entire rotor <input 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"/>		
61.	Rotodiff Distributor 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"/>		
62.	Rotodiff Stationary Shaft 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"/> Replace <input type="checkbox"/>	No action <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
63.	<p>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.</p>				