City of Santa Fe, New Mexico

memo

Date: April 22, 2022

To: Fran Dunaway, Chief Procurement Officer

Via: Shannon Jones, Public Utilities Department Director Mike Dozier, WW Management Division Director



From: Ben Sandoval, Wastewater Maintenance Superintendent_

ITEM AND ISSUE:

Request for the Approval of Emergency Sole Source Procurement with Falcon Environmental Corporation, for the total amount of \$75,711.00 for replacement of the hydro gritter for the Headworks facility for the Wastewater Treatment Plant Facility.

BACKGROUND AND SUMMARY:

The Hydro gritter is located within the pre-treatment process for the wastewater facility. Pretreatment process removes material that can damage the treatment facility and the treatment process. Specifically, the hydro gritter removes sand and other inorganics that will cause damage to downstream equipment and settle in basin resulting in permit noncompliance.

PROCUREMENT METHOD:

Falcon Environmental Corporation is the Sole Source Vendor for this piece of equipment and quote has been submitted for an Emergency Purchase Order.

FUNDING SOURCE: Fund Name/Number: WWMD / 500 Munis Org Name/Number: WWMD Plant / 5000367 Munis Object Name/Number: Repair & Maintenance to System Equipment / 520150

ACTION REQUESTED:

Request approval of Emergency Sole Source Procurement with Falcon Environmental Corporation in the amount of \$75,711.00.

ATTACHMENTS:

- 1. Emergency Determination Form
- 2. Quote from Falcon Environmental
- 3. Sole Source Justification letter from vendor



STATE OF NEW MEXICO EMERGENCY DETERMINATION FORM

The emergency procurement method (NMSA 1978, Section 13-1-127) may only be used for an emergency procurement when the service, construction or item of tangible personal property procured is needed immediately to:

- control a serious threat to public health, welfare, safety or property caused by a flood, fire, epidemic, riot, act of terrorism, equipment failure or similar event; or
- plan or prepare for the response to a serious threat to public health, welfare, safety or property caused by a flood, fire, epidemic, riot, act of terrorism, equipment failure or similar event; and

the goods or services cannot be acquired through normal procurement methods.

Keep in mind that the state purchasing agent or a central purchasing office in making an emergency procurement, shall:

- employ a competitive process to the extent practicable under the circumstances; and
- use due diligence in determining the basis for the procurement and in selecting a contractor; and
- shall not make an emergency procurement for the purchase or lease of heavy road equipment.

The state purchasing agent or a central purchasing office that makes an emergency procurement shall outline its determination of the basis for the procurement and its selection of the contractor in writing and include the writing in the procurement file. (That writing can be made on this form.) Promptly thereafter:

- the state purchasing agent shall post notice of the procurement on its website; or
- the central purchasing office shall post notice of the procurement on its website, if it maintains one, and shall transmit the notice to the state purchasing agent for posting on the state purchasing agent's website.

NOTE: the state purchasing agent or a central purchasing office that makes an emergency procurement to plan or prepare for the response to a serious threat to public health, welfare, safety or property caused by a flood, fire, epidemic, riot, act of terrorism, equipment failure or similar event shall account for the money spent in making the procurement and report on that accounting to the legislative finance committee and the department of finance and administration within sixty days after the end of the fiscal year in which the procurement was made.

I. Name of Agency: City of Santa Fe/Public Utilities Department/Wastewater Management Division

Agency Chief Procurement Officer: Fran Dunaway

Telephone Number: **505-955-6432**

II. Name of Contractor: Falcon Environmental Corporation

Address of Contractor: 5963 Esther Circle, Frederick CO, 80530

Amount of prospective contract: \$75,711.00

Term of prospective contract:12/31/2022

III. Please thoroughly list the services (scope of work), construction or items of tangible personal property of the contract:

Direct In-Kind Replacement of WEMCO Hydro gritter S/N:99W22776 Hydro gritter with the exact same WEMCO Hydro gritter. 1 59,631.00 59,631.00 Optional Upgrade: Upgrade from a Carbon Steel Epoxy Coated Hydro gritter to a Full 316SS Hydro gritter to provide 2x longer life use of the equipment

IV. Provide an explanation for the justification of the procurement including a description of the emergency condition(s) requiring use of emergency procurement and the practicable competition utilized in compliance with NMSA 1978, Section 13-1-127.

The Hydro gritter is located within the pre-treatment process for the wastewater facility. Pre-treatment process removes material that can damage the treatment facility and the treatment process. Specifically, the hydro gritter removes sand and other inorganics that will cause damage to downstream equipment and settle in basin resulting in permit noncompliance. Equipment Failure will result in affecting the public health, welfare and efficient operation of the Wastewater Plant.

V. Please describe what measures are being taken to minimize the duration and effect of this particular emergency procurement (for example: is the emergency only in place until a competitive process can be completed, etc.).

Currently, the Wastewater Facility is bypassing the grit collector, which is a temporary fix, however, this process is not recommended for a long-term fix. This will eventually strain the system, affect the process, and eventually place the facility in compliance violation with our permit.

VI. Describe what measures the Agency will take in the future to prevent/mitigate use of an emergency procurement under similar circumstances.

The Wastewater Plant will increase scheduled maintenance and budget replacement of the equipment due to wear and tear and manufacture recommendations.

Certified by:	
Fran Dunaway (Apr 28, 2022 15:48 MDT)	Apr 28, 2022
City of Santa Fe Chief Procurement Officer	Date
Department Approval by:	
Adamum hand Shannon Jones (Apr 22, 2022 11:14 MDT)	4/22/2022
Public Utilities Department Director	Date
Finance Approval by:	
Alexis Lotero Alexis Lotero (May 4, 2022 15:11 MDT)	May 4, 2022
Finance Director	Date

Note: All emergencies must be posted to the SPD website: <u>https://www.generalservices.state.nm.us/statepurchasing/submit-emergency.aspx</u>



Falcon Environmental Corp (FEC) P.O. Box 710

Frederick, CO 80530



Estimate # Date 4/20/2022 894

Name / Address

CITY OF SANTA FE PURCHASING OFFICE P.O. BOX 909 SANTA FE, NM 87504-0909

Ship To
CITY OF SANTA FE WWTP 73 PASEO REAL SANTA FE, NM 87507

	Terms	Rep	FOB
	Net 30	AJP	Jobsite
Description	Qty	Rate	Total
Direct In-Kind Replacement of WEMCO Hydrogritter S/N:99W22776 Hydrogritter with the exact same WEMCO Hydrogritter.	1	59,631.00	59,631.00
Optional Upgrade: Upgrade from a Carbon Steel Epoxy Coated Hydrogritter to a Full 316SS Hydrogritter to provide 2x longer life use of the equipment (Cost Adder: \$16,080) Lead Time: 24-26 weeks Quote includes startup assistance by Falcon Environmental.	1	16,080.00	16,080.00
Freight is included		Subtotal	\$75,711.00
Phone #		Sales Tax (5.12	5%) \$0.00
303-833-9998		Total	\$75,711.00



Direct Replacement Scope

Trillium Pumps USA Inc. 22.1.0

	Scope & Si	upply	
Customer	Falcon Environmental	Size / Stages	12-FF-GE / 1
Item number	001	Pump speed	0
Customer reference	DW02450	Quote number	1652327

Totals		
	Lead Time Total	N/A
	Total unit weight	1,425.0 lb

Ρι	imp		
Qty	Description		
1	WEMCO Hydrogritter 12" Full Flare - Grit End		
	Tank Options		
	Tank Options		
	Steel tank		
	Non air tight design		
	Stainless steel hardware		
	Standard tank support		
	Steel tank support		
	Grit chute: 8" hose, 7ft long		
	Spiral Options		
	Spiral Options		
	Fiberglass/polyethylene spiral guard		
	Steel spiral single pitch		
	ARS wear shoes		
	Stainless steel spiral hardware		
	Spiral speed - 12 RPM		
	Drive		
	Drive Options		
	Galvanized driven assembly		
	No torque limiter		
	No zero speed sensor		
	Belt driven		
	Fiberglass/Polyethylene belt guard		
	Sluice water		
	Sluice Water Options		
	Brass sluice water valve		
	120V		
	Explosion proof sluice water valve enclosure		
	Wemclone		
	Wemclone Configuration		
	Wemclone quantity		
	Single Wemclone		
	1000C Wemclone (quantity of 1)		
	Rubber Wemclone liner		
	Stainless steel Wemclone hardware		
	Steel Wemclone support (single wemclone)		
	Wemclone overflow piping -01 90 degrees (overflow arrangement A)		
	Inlet arrangement A		
	45 degree Wemclone		
	Steel Wemclone pressure gauge (single wemclone)		
	0-15 PSI Wemclone pressure gauge (single wemclone)	I	I



I	Description	
Fe	edbox	
Fe	eedbox Options	
C	Center feedbox	
C	Dne steel feedbox	
Мс	ptor	
	2 HP 1800 RPM E-PACT Efficient 230V/460V Explosion Proof Severe uty Motor	
Pro	otective Coatings	
Pa	aint type	
P	Paint Preparation: Standard paint preparation (clean and blast)	
	ank Exterior and Cyclone - Epoxy 2 Coat Paint - Blue (Prime and Top Coat) - Option #9	
	ank Interior, Spiral and Wear Shoes - Coal Tar Epoxy Paint - Black - Stainless is Uncoated) - Option #9	
Ра	cking & Shipping	
SI	hipping	
N	No Boxing	
т	rillium Decision Carrier	
F	reight Rates	
1	Freight Rates - New Mexico: New Mexico	
Es	timated Weights	
ר	Tank: 745.0 lb	
v	Nemclone: 650.0 lb	
[Driver: 30.00 lb	
N	Misc. Weight: 0.00 lb	
N	Misc. Weight: 0.00 lb	
N	Misc. Weight: 0.00 lb	

Νο	Group	
Qty	Description	
1	Flow Rate/per cyclone 305GPM: 305 USgpm	
	Inlet Pressure 10PSI: 10.00 psi.g	



316 SS Upgrade Scope

Trillium Pumps USA Inc. 22.1.0

	Scope & Si	upply	
Customer	Falcon Environmental	Size / Stages	12-FF-GE / 1
Item number	002	Pump speed	0
Customer reference	DW02450	Quote number	1652327

Totals		
	Lead Time Total	N/A
	Total unit weight	1,425.0 lb

Ρι	Imp	-
Qty	Description	
1	WEMCO Hydrogritter 12" Full Flare - Grit End	
	Tank Options	
	Tank Options	
	Stainless steel tank	
	Non air tight design	
	Stainless steel hardware	
	Standard tank support	
	Stainless steel tank support	
	Grit chute: 8" hose, 7ft long	
	Spiral Options	
	Spiral Options	
	Stainless steel spiral guard	
	Stainless steel spiral single pitch	
	ARS wear shoes	
	Stainless steel spiral hardware	
	Spiral speed - 12 RPM	
	Drive	
	Drive Options	
	Stainless steel driven assembly	
	No torque limiter	
	No zero speed sensor	
	Belt driven	
	Stainless steel belt guard	
	Sluice water	
	Sluice Water Options	
	Stainless steel sluice water valve	
	120V	
	Explosion proof sluice water valve enclosure	
	Wemclone	
	Wemclone Configuration	
	Wemclone quantity	
	Single Wemclone	
	1000C Wemclone (quantity of 1)	
	Aluminum Wemclone	
	Rubber Wemclone liner	
	Stainless steel Wemclone hardware	
	Stainless steel Wemclone support (single wemclone)	
	Wemclone overflow piping -01 90 degrees (overflow arrangement A)	
	Inlet arrangement A	
	45 degree Wemclone	
	Stainless steel Wemclone pressure gauge	
	0-15 PSI Wemclone pressure gauge (single wemclone)	



Description	
Feedbox	
Feedbox Options	
Center feedbox	
One stainless steel feedbox	
Motor	
1/2 HP 1800 RPM E-PACT Efficient 230V/460V Explosion Proof Severe Duty Motor	
Protective Coatings	
Paint type	
Paint Preparation: Standard paint preparation (clean and blast)	
Tank Exterior and Cyclone - Epoxy 2 Coat Paint - Blue (Prime and Top Coat) - Option #9	
Tank Interior, Spiral and Wear Shoes - Coal Tar Epoxy Paint - Black - (Stainless is Uncoated) - Option #9	
Stainless steel parts on the Hydrogritter will not be painted	
Packing & Shipping	
Shipping	
No Boxing	
Trillium Decision Carrier	
Freight Rates	
Freight Rates - New Mexico: New Mexico	
Estimated Weights	
Tank: 745.0 lb	
Wemclone: 650.0 lb	
Driver: 30.00 lb	
Misc. Weight: 0.00 lb	
Misc. Weight: 0.00 lb	
Misc. Weight: 0.00 lb	

Νο	No Group					
Qty	Description					
1	Flow Rate/per cyclone 305GPM: 305 USgpm					
	Inlet Pressure 10PSI: 10.00 psi.g					



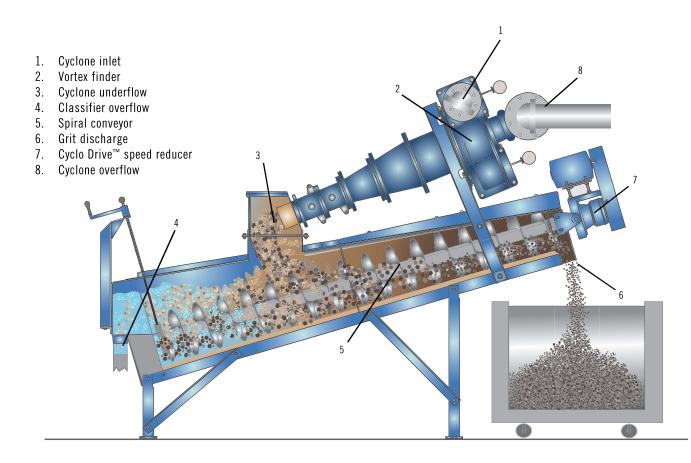
WEMCO® Hydrogritter® Grit Removal System

A high-performance solution providing consistent, long-term grit removal with low operating and maintenance costs. The Hydrogritter grit removal system can process from 220 to 1570 GPM. per cyclone at a pressure of 5 to 20 psi, which allows for a grit withdraw rate of ¾ to 8½ tons per hour at a one-percent grit concentration. Typical Hydrogritter configurations have one to four cyclones per classifier, allowing for maximum flexibility to meet grit removal needs.

How It Works:

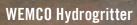
Step 1: A rugged, abrasion-resistant WEMCO pump pulls grit slurry from the grit source and feeds it into the cyclone separator.

Step 2: The grit slurry enters the cyclone of the Hydrogritter system where approximately 95 percent of the grit is captured and processed through the cyclone. The grit is concentrated into the cyclone underflow, yielding a flow of approximately five percent of feed. The balance of the de-gritted flow exits the top of the cyclone through the vortex finder for further treatment. Step 3: The grit concentrate from the cyclone underflow discharges to the spiral classifier where the grit is allowed to settle. The settled grit travels up the spiral conveyor where it is de-watered and then discharged as a low moisture product ready for final disposal. The balance, containing light organics and grit finer than 150 mesh, flows over the classifier overflow at the end of the classifier where it can be piped for further treatment.



Components Designed as a System to Optimize Each Piece of Equipment Mechanically and Hydraulically

- Protect downstream equipment from grit damage
- No grit build-up in digesters
- Downtime and grit removal expense minimized
- Proven ability to remove fine (+150 mesh) grit
- Designs available from ½ to 200+ MGD.
- Provisional option for airtight cover/vented exhaust
- No tank wear, spiral runs on bed of sand
- Extensive working life



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Hydrogritter Cyclone - Efficient Grit Separation and Concentration

- The cyclone interior consists of heavy-sectioned natural rubber or neoprene liners for maximum abrasion resistance
- The efficient involute inlet head requires only low-pressure feed from the pump minimizing eddies and turbulences
- A quick disconnect on the apex discharge assembly allows easy and rapid access for inspection or maintenance

Hydrogritter Classifier - Optimum Grit Capture and Dewatering

- Heavy-walled spiral shaft, with protective wear shoes, up to 34 inch thick Ni-Hard in larger sizes
- No tank wear. Spiral is suspended between two bearings, operating with a bed of sand between the screw and the tank, improving dewatering and eliminating tank wear common with shaft-less conveyors
- Reliable power train
- · Grit-proof lower bearing requires only yearly inspection
- Cyclo Drive[™] roller reducer, provides excellent reliability and overload/shock tolerance requiring only yearly inspection

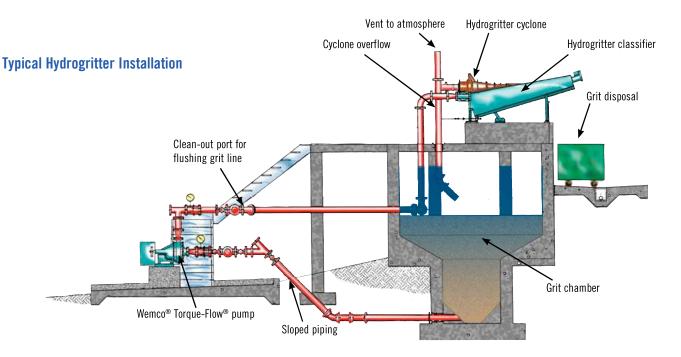


Chart I - Cyclone Selection

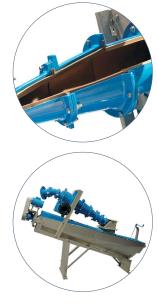
	Model 1000C		Model 1500CA		Model 2000CA	
Inlet Pressure PSI (ft)	Inlet GPM	U'flow GPM	Inlet GPM	U'flow GPM	Inlet GPM	U'flow GPM
5 (11.5)	220	15	420	32	700	60
10 (23.1)	305	16	600	28	960	50
15 (34.6)	375	18	730	28	1280	50
20 (46.2)	435	20	840	28	1570	60
Vortex Finder	'ortex Finder 4 inch		6 inch		7.5 inch	
Apex	2 inch		3 inch		4 inch	
Inlet/Overflow	4x6 inch		6x8 inch		8x10 inch	

01	HP	Cyclone Underflow GPM					M	
Classifier Size & Tank		65 Mesh	100 Mesh	150 Mesh	Maximum Raking		Minimum Pool Area	Weir Length
Туре		GPM	GPM	GPM	RPM	TPH	Sq. Feet	Feet
12 in S F	1⁄2	25 49	17 32	15 24	12	3⁄4	6 8.3	1.1 2.4
18 in S F	1	57 107	37 70	28 52	8	2	13.8 19.9	1.7 3.7
24 in F	2	190	125	94	6	4	36	5.0
30 in F	3	310	202	140	4	5	54	6.2

Chart 2 - Classifier Selection

Specific applications may require different apex/vortex finder combinations. Consult Trillium Pumps USA SLC for details.

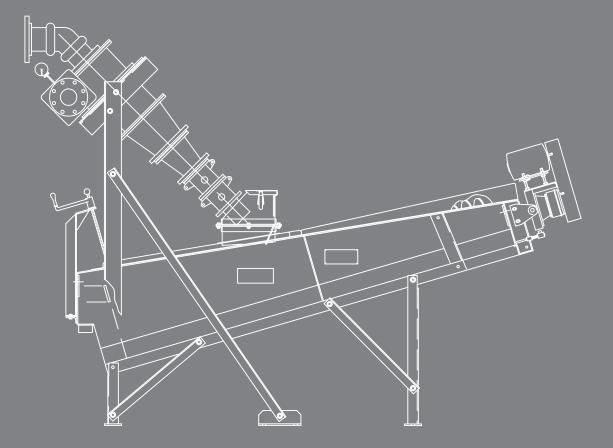
Refer selection of larger unit to the factory.





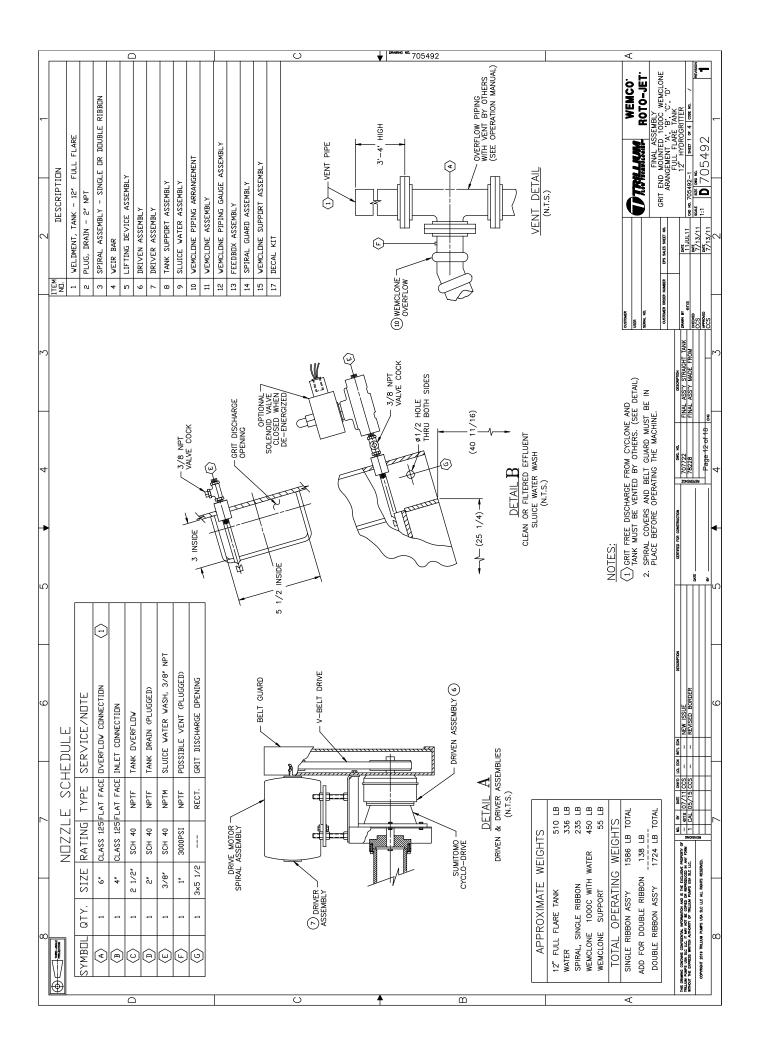


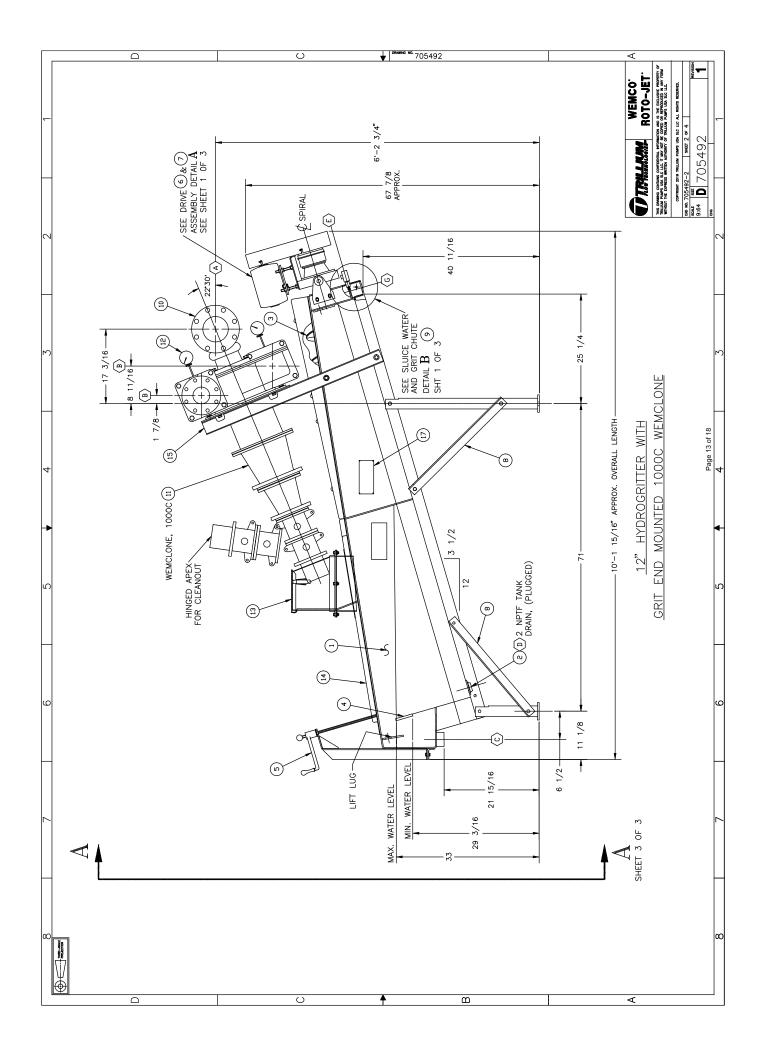
440 West 800 South Salt Lake City, UT 84101 USA T 801 359 8731 www.trilliumflow.com

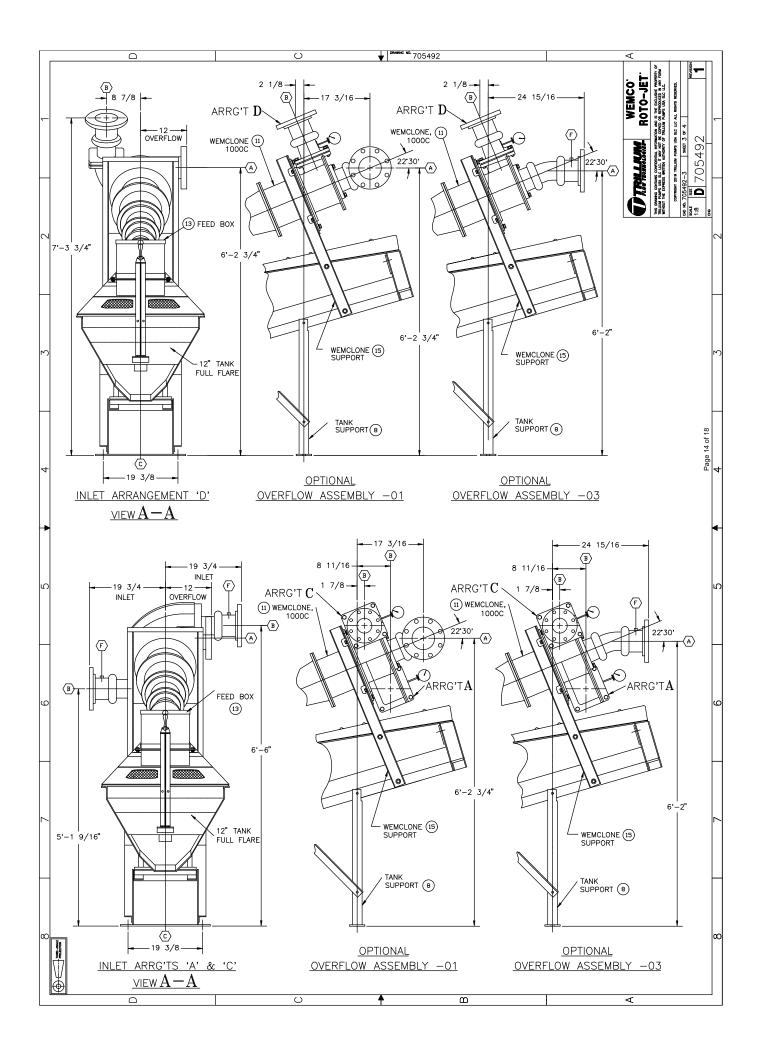


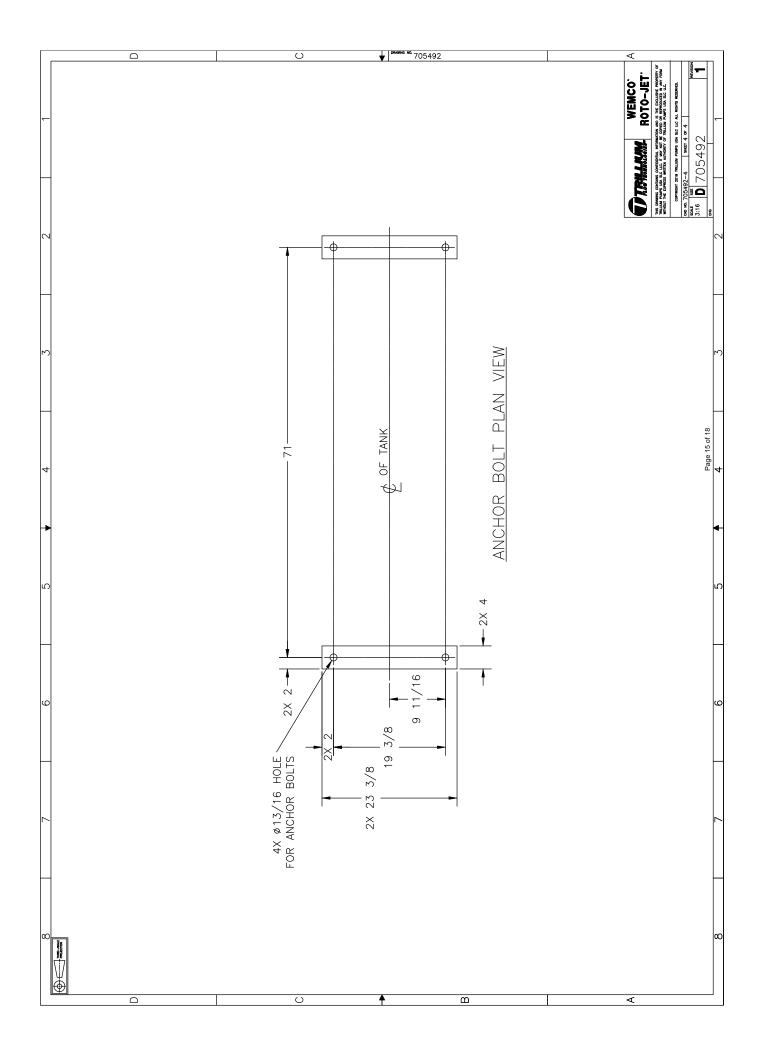
Copyright© 2019, 2018, 2017, 2016, Trillium Flow Technologies. All rights reserved WEMCO and Hydrogritter are registered trademarks of Trillium Pumps USA SLC Cyclo Drive is a trademark of Sumitomo Drive Technologies

> VEMCO Hydrogritter Brochure Version 5, August 2019











April 21, 2022

Attn: To Whom It May Concern,

Trillium Pumps USA, Inc. is the manufacturer and sole source of WEMCO®, Roto-Jet®, and WSP[™] proprietary pumping equipment. We are located in Salt Lake City, Utah, USA, and our federal I.D. number is 77-0298303. Our pumps are sold worldwide and we have a global network of contracted distributors and representatives

For WEMCO® Torque-Flow® recessed impeller pumps, Hydrogritter® grit separation systems, and WSF™ Screw-Flow pumps; WSP™ Self-Primer pumps, Chop-Flow chopper pumps, and Non-Clog pumps; and parts for the aforementioned pumping equipment used in municipal applications in Colorado, New Mexico and Wyoming Falcon Environmental Corporation is our exclusive representative and distributor.

For assistance and complete information on these products, please contact Falcon Environmental Corporation as follows:

Falcon Environmental Corporation 5963 Esther Circle Frederick, CO 80530 Tel 303-833-9998 Fax 303-833-4009 http://fecal.us/

If we are favored with an order, we ask that you issue purchase orders to Falcon Environmental Corporation

Thank you for the opportunity to serve you, and please do not hesitate to contact me if you have any questions.

Best regards,

Ryn Unth

Ryan Heath Municipal Regional Manager – Western US Trillium Flow Control (801) 608-8709 Ryan.Heath@TrilliumFlow.com



Email: basandoval@santafenm.gov

Signature: W 22, 2022 10:48 MDT) Email: mldozier@santafenm.gov

CPO PUD FALCON

Interim Agreement Report

2022-05-02

Created:	2022-04-22
By:	Jimmy Tapia (jptapia@ci.santa-fe.nm.us)
Status:	Out for Signature
Transaction ID:	CBJCHBCAABAAhpiAnqUrKPN7M_AtT_sC_K9rJLOhbNl8

Agreement History

Agreement history is the list of the events that have impacted the status of the agreement prior to the final signature. A final audit report will be generated when the agreement is complete.

"CPO PUD FALCON" History

- Document created by Jimmy Tapia (jptapia@ci.santa-fe.nm.us) 2022-04-22 - 9:06:28 PM GMT- IP address: 63.232.20.2
- Document emailed to Fran Dunaway (fadunaway@santafenm.gov) for signature 2022-04-22 - 9:07:36 PM GMT
- Document shared with mfmartinez@santafenm.gov 2022-04-27 - 9:11:31 PM GMT- IP address: 63.232.20.2
- Email viewed by Fran Dunaway (fadunaway@santafenm.gov) 2022-04-28 - 9:48:28 PM GMT- IP address: 174.205.225.212
- Document e-signed by Fran Dunaway (fadunaway@santafenm.gov) Signature Date: 2022-04-28 - 9:48:59 PM GMT - Time Source: server- IP address: 174.205.225.212
- Document emailed to Mary McCoy (mtmccoy@santafenm.gov) for signature 2022-04-28 - 9:49:01 PM GMT

Charles for the former and the second the second term

Powered by Adobe Acrobat Sign