Operations Update

- Plant operations and treatment are going well, final effluent numbers are excellent. Did find one turbine pump losing pumping capacity and we are currently in the process of having it removed and sent in for a rebuild. It will be covered under the maintenance updates.

- Kruger/Veolia Vision Program – Kruger is looking to run a small Beta project with plants in the U.S. that have ACTIFLO systems; the Biostyr is a bonus. The effort is to better assist their customers by being connected to the process treatment to see how they are operating on a day to day basis. It could over time provide operational recommendations based on data collected and provide help to maximize the efficiency of the processes. There were no real disadvantages to the beta project and it may put us in more close proximity to technical experts. As of January 12th, Kruger came and installed their device.

Maintenance Update

- Fairbanks Vertical Turbine Pump #3 – Mentioned in the Operations updates about this pump, when monitoring the trending on the turbine pumps it was not able to maintain a wet well level under normal flow conditions. In the 2017 budget I had planned on this pump being the first to be rebuilt; it did come a little sooner in the year than I anticipated. It is scheduled to be removed and sent to Fairbanks for rebuild (see proposal ID# 09166RB). The proposed cost of the repair will be approximately $38,380. If the impeller is worn beyond repair there will be an additional cost of $7,900.00 for a new one.

- Process Return Pump Drives – Received proposal for the upgrade on the process return pump drives. There are two proposals for replacing the drives in proposal #17011014HMK. Item A is the one that I feel will be the best way to go due to the fact that our existing MCC sections are in excellent shape so there would be no need to replace them. In item A it is proposed to replace the doors, install new door components, and fan kits. This upgrade cost is $47,600.

- Fountain Slide Gate Repair – Last fall when doing the repairs on the ACTIFLO influent channel gates, when stopping the flow to the influent channel to do the bypass pumping a gate operator failed to stop when the gate was closed which resulted in damage to the gate stem. I had received quotes through Dorner for a Fountain stem and mechanical stops at a cost of $4,481.00. Also, Dorner offered to get a quote through a local shop they use for a fabricated stem and stops-that quote came in at $3,039.00. In discussions with Dorner the fabricated stem would be just as good as Fountains stem, so that was the route we took.

Kevin Skogman

From: Szekeress, Andy <andy.szekeress@veolia.com>
Sent: Thursday, January 5, 2017 1:13 PM
To: Kevin Skogman
Subject: Kruger/Veolia Vision Program
Attachments: 40927,Vision-and-Vision-Air-Brochure (1).pdf; January 2017 VV & VVA.pdf

Kevin,

Happy New Year!

I have a bit of a favor to ask. Veolia has started a customer based Beta project, and Kruger is hoping you would be willing to participate. I'll be honest that I really don't know a lot about it, but take a look, let me know what you think, and I can get answers to any questions. Initial action is simply thumbs up or down. There is also a parts discount as a carrot.

The new program that our parent company Veolia is looking to jump start here in the US is called Vision and Vision Air (see attached brochure). The idea behind this effort is to better assist our customers by being more connected to how our process treatment trains are operating on a day to day basis. Over time we see this having great potential in regards to enhancing our ability to provide a higher level of customer service, provide operational recommendations based on the data collected and allow customers to tap into the collective knowledge Veolia and Kruger can bring to help maximize the efficiency of the processes we provide.

In the short-term, we are looking to run a small beta project at a plant with an existing ACTIFLO system - the Biostyr is a bonus. Knowing how well you and your staff operate and maintain your plant, we figured this would be something you might be interested in.

The Vision beta test would include...

- No cost to you, other than any time spent helping Kruger coordinate the work. We'd provide the manpower, software and hardware (if needed) to connect.
- No obligation on your part. The only thing we're asking for is connection to real-life ACTIFLO data.
- Kruger would connect (either through an existing spare internet connection or by way of cellular modem that we would install) to your ACTIFLO system.
- We would "read only" the data from the ACTIFLO. We would not have the ability to change any treatment functions.
- A secure cloud-based system for data monitoring. The secured data we view and collect would be for internal Veolia use only and would not be provided to anyone outside of Veolia.
- You and your staff would have access to this data collection and would be able to compile the data in various ways to enhance your operational decision making, track historical results and give you piece of mind that things are running a normal.

The brochure attached is from our sister company in Great Britain, but it gives you an idea of what we are working towards here at Kruger in the US. We're just getting started on the program ourselves, which is why we'd like to beta test the approach. As this effort continues to move forward we would look forward to feedback from owners like you to help make this effort as useful and functional as possible.

If you have any questions or concerns please don't hesitate to let me know.

Thank you,

Andy Szekeress
Regional Product Manager*, *Kruger
VEOLIA WATER TECHNOLOGIES

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andy.szekeress@veolia.com / www.veoliawatertech.com

PROPOSAL

L.W. ALLEN, INC.

A Full Service Distributor

PUMPS – CONTROLS – REPAIR CENTER

4633 Tompkins Drive - Madison, WI 53716

Phone 608.222.8622

Fax 608.222.9414

Rick - 608-576-4083

Heart of the Valley WWTP

Kaukauna, WI 54130

Attn: Kevin

PROPOSAL ID: 09166RB

REFERENCE: Fairbanks VTSH Pump

LOCATION: VTSH Pumping Station

BID DATE: 9 /15, 2016-Revised 1/24/17

FREIGHT IS F.O.B. ORIGIN	TERMS: NET-30 DAYS PER ATTACHED TERMS AND CONDITIONS
☐ ALLOWED ☐ PREPAID & ADD ☑ COLLECT	PRICES DO NOT INCLUDE SALES OR USE TAXES

ITEM	QUAN	DESCRIPTION	TOTAL PRICE
		L.W. Allen is pleased to provide a quotation for the following equipment and services.	
A	1	Fairbanks Nijhuis would like to thank you for allowing us the opportunity to quote repairs on the unit listed above. Below I have outlined a typical scope of repair and pricing for the rebuild of a 20" VTSH. **Scope of Repair:** • Receive pump to our Kansas City, KS Repair Facility • Disassemble, Blast and Inspect all pump components • Provide Detailed Inspection Report • The following Components are Considered to be Reusable o Suction Bell o Impeller o Discharge Bowl o Enclosing Tubes o Line Shafts and Couplings o Column Pipes o Discharge Head • Perform Minor Repair Work on Impeller and Coat with a Loctite Ceramic Coating • Re-chrome Bearing Journals on Pump Shaft • Replace the following with OEM components. o Impeller Wear Ring o Impeller Hardware (Key, Stud, Washer, & Nut) o Restrictor Bushing o Suction Bell Wear Ring o Bowl Throttle Ring o Bowl Bearings o Chesterton 155 Mechanical Seal, as per Original Order o Connector Bearings	

ITEM	QUAN	DESCRIPTION	TOTAL PRICE
		o Gaskets and Hardware (as needed) • Assemble Bowl Assembly and Perform an Enclosing Tube Flow Test • Reassemble the Pump Complete • Coat the Pump per the Original Paint Sheet • Prepare unit for Shipment to Destination • Performance Test of rebuilt unit	
		Total Investment.....	**$ 28,655.00**
		Notes: This quotation includes only the parts or processes specifically outlined above. Any additional parts or processes deemed necessary by F.N. after the inspection will be quoted separately at an extra cost. Additional parts or processes will be included only after the approval and authorization by the Customer. Warranty will be contingent on the inclusion of any processes deemed necessary by F.N. Not Included: Pump removal, shipping and pump re-installation.	
B	1	Removal of existing motor and pump. Rigging and assisting crane operator with removal of pump and setting on delivery truck. Re-installation of rebuilt pump. Motor will be installed, aligned and pump clearance will be set. Start-up is included. Total Investment.....	**$ 5,875.00**
C	1	Freight Both ways from HOV to Fairbanks in KC, USA then back to HOV after unit is rebuilt. Total Investment.....	**$ 2,450.00**
D	1	Crane rental and operator will be billed on a T&M basis. Please see attached quote for specifics. —Est.	$ 1400.00

Total = $ 38,380.00

ACCEPTED THIS _____ DAY OF _____, 20____ PRICE FIRM FOR **30** DAYS

_____ SUBMITTED THIS: September 16, 2016

NAME OF PURCHASER

BY: _____ L.W. ALLEN, INC.-BY: _____

NAME & TITLE Rick Bartelt

PROPOSAL

Phone 608.222.8622
Fax 608.222.9414

Altronex Control Systems

A Division of L. W. Allen, LLC

Excellence, By Design

4633 Tompkins Drive
Madison, WI 53716

Kevin Skogman
Heart of the Valley Metro Sewerage
801 Thilmany Rd.
Kaukauna, WI 54130
kevin.skogman@hvmsd.org

PROPOSAL ID: 17011014HMK
REFERENCE: Return Pumps - 30-MCC-1A #2A
LOCATION: Heart of the Valley - Kaukauna
BID DATE: January 10, 2017

TERMS: NET-30 DAYS PER ATTACHED TERMS AND CONDITIONS
FREIGHT IS F.O.B. ORIGIN – ALLOWED
ADDENDUM __ ACKNOWLEDGED
PRICES DO NOT INCLUDE SALES OR USE TAXES

ITEM	QUAN	DESCRIPTION	TOTAL PRICE
		L.W. Allen and its Altronex Control Systems division are pleased to provide a quotation for the following equipment and services. The existing drive systems for the Plant Return pumps are failing and require replacement. The structures are in good condition. Altronex has offered two options. Replace the existing drive components in place or replacing the (3) structures.	
A	1	PLANT RETURN PUMP VFD SYSTEMS – UPGRADES IN PLACE 1. Replace (3) doors with new door components and fan kits. 2. Replace (3) VFD Systems 25HP Heavy Duty – PowerFlex 753 3. Replace (3) drive circuit breakers 4. Replace (3) drive input and output reactors 5. Replace (3) NEMA bypass contactors 6. Replace all internal wiring and relays/terminal blocks. 7. Complete installation and startup/training. **TOTAL PRICE ITEM A .....**	**$47,600**
B	1	PLANT RETURN PUMP VFD MCC – PROVISION AND STARTUP ONLY 1. Provide (3) section MCC to connect to existing centerline MCC section at right side. 2. Includes (3) VFD Systems 25HP Heavy Duty – PowerFlex 753 3. Includes (3) drive circuit breakers 4. Includes (3) drive input and output reactors 5. Includes (3) NEMA bypass contactors 6. Includes all internal wiring and relays/terminal blocks. 7. Startup and training. **TOTAL PRICE ITEM B .....**	**$58,900**
	**	NOTES AND CLARIFICATIONS 1. *Installation of ITEM B MCC is not included. Customer should budget an additional $7,500 for installation.*	