

**Memorandum
Public Works Department**



To: City Manager
Subject: Spencer Aeration Tank Blowers
Date: July 15, 2013
Number: 2013-138

A repair estimate has been acquired for repair and return of the third Spencer Aeration Tank Blower for the Southwest Wastewater Treatment Plant. This repair is necessary as there are four designated blowers for the aeration process in the aeration tanks and only two have been repaired thus far, which leaves the system operating at a diminished capacity of 50%. The third blower has a bad coupling that will require replacement before it can be placed back in service. The aeration process provides dissolved oxygen for the aerobic digestion of domestic sewage and is a critical component in the overall treatment process. With two blowers out of service, only two are able to be utilized for the entire plant, which leaves the facility without redundancy, should a major failure occur. There is a high potential of violating our NPDES discharge permit should one of the two remaining blowers fail without the two additional blowers in reserve. JC Cross Co. is the only qualified repair facility locally for this type of equipment.

Accompanying this memorandum is the quote from JC Cross Co. for the repair and return of one Spencer Blower.

Recommendation

The Public Works Department recommends that the City Council approve the repair and return of one Spencer Blower for the total amount of \$10,963.00

Vendor: JC Cross Co.
Payment Amount: \$10,963.00
Account Chargeable:
Fund: 506 Wastewater Operations and Maintenance
Division: 618 Utilities Services
Cost Center: 343 Wastewater Southwest Plant
Object Code: 53804 Equipment S/C

Requisition Number: R004068

Submitted by: Randall D. Tweet, Public Works Director
Larry P. Cook, Utilities Superintendent

Approved by: Thomas Thomas, City Manager

Quote

JC CROSS CO.

Phone: 1-800-326-1240 Email: sales@jccross.com

5328 Tremont Avenue
Davenport, IA 52807

Fax: (563) 359-0141

580 W. Taylor Road
Romeoville, IL 6044621177 - 59 HWY
Oakland, IA 51560

Fax: (712) 482-6288

TO: City of Rock Island - Sewer Dept.
Attn: Randy James
1528 - 3rd Ave.
Rock Island, IL 61201

DATE		FOB	QUOTE NO.	P.O. NO.	
7/11/13		Shipping Pnt	RIS053113-2		
QTY	ITEM	DESCRIPTION	U/M	UNIT PRICE	Total
1	Repair...	Repair and Return One (1) Spencer Turbo Blower Model 6575 HMOD Serial Number 248081 Evaluation: This blower has a bad coupling and customer will provide. Parts Required: - Rope Packing, Interstage Deflector Packing, Outboard Bearing, Inboard Bearing, Head Packing, End Head Packing, Locknuts and Lockwashers, Impeller Shims, Gaskets. Labor Operations Required: - Teardown and Evaluation; Pressure Clean and Sandblast; Balance Assembly; Repair Shaft; Assemble and Disassemble for Balance; make Assembly Spacer; Assemble and Set; Paint and Tag; Test. Parts \$3757.00 Labor \$7206.00		10,963.00	10,963.00
Salesman: MS			Total		

QUOTE VALID FOR 30 Days

*** WE ACCEPT MASTERCARD, VISA, & DISCOVER ***

Quote



Phone: 1-800-326-1240 Email: sales@jccross.com

**5328 Tremont Avenue
Davenport, IA 52807**

Fax: (563) 359-0141

**580 W. Taylor Road
Romeoville, IL 60446**

**21177 - 59 HWY
Oakland, IA 51560**

Fax: (712) 482-6268

TO: City of Rock Island - Sewer Dept.
Attn: Randy James
1528 - 3rd Ave.
Rock Island, IL 61201

DATE		FOB	QUOTE NO.	P.O. NO.	
7/11/13		Shipping Pnt	RIS053113-2		
QTY	ITEM	DESCRIPTION	U/M	UNIT PRICE	Total
		Thanks for the opportunity to quote! Please advise how to proceed. Diane Downs JC Cross Company			
				Total	\$10,963.00
Salesman:		MS			