

23-111

**RESOLUTION AUTHORIZING CONTRACT MODIFICATION 2023-05 TO
OPERATIONS MANAGEMENT INTERNATIONAL/JACOBS**

MOTIONED BY: Friedrich
SECONDED BY: Marotta

WHEREAS, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

WHEREAS, the Authority has contracted with Operations Management International, Inc., Denver, CO. in the amount of \$8,513,649.77 for the operation, maintenance and management of the Authority's sewerage collection and treatment facilities pursuant to the provisions of the Wastewater Treatment Privatization Act, N.J.S.A. 58:27-1 et seq; and

WHEREAS, Operations Management International, Inc., has submitted a proposal (Exhibit "A") for additional compensation in the amount of \$217,965.46 related to the Adams Street WWTP; and

WHEREAS, the Facilities Review Board has reviewed the proposal and recommends the approval of the requested contract.


NOW, THEREFORE, BE IT RESOLVED that the Authority hereby authorizes the execution and implementation of said contract modification 2023-05 in the amount of \$217,965.46.

DATED: SEPTEMBER 21, 2023

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Kappock			x
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Guzman	x		
Commissioner Velazquez	x		
Commissioner Barrera	x		
Commissioner Zucconi	x		
Commissioner Assadourian	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE
NORTH HUDSON BOARD OF COMMISSIONERS ON SEPTEMBER 21, 2023.**



SECRETARY



Operations & Maintenance
NHSA Project
1600 Adams Street
Hoboken, NJ 07030
T +1.201.795.1411
F +1.201.420.6917
www.jacobs.com

Mr. Donald R. Conger III, P.E.
Authority Engineer
North Hudson Sewerage Authority
1600 Adams Street
Hoboken, New Jersey 07030

September 9, 2023

Subject: 2023 Additional Corrective Maintenance Projects
JACOBS Operations Maintenance & Management Agreement

Dear Mr. Conger,

Operations Management International, Inc. ("Jacobs OMI") is pleased to provide North Hudson Sewerage Authority ("Authority") our proposal for Corrective Maintenance Projects at the Adams Street Facility.

Jacobs OMI is seeking the Authority's concurrence to invoice for the total cost of \$217,956.46 for Corrective Maintenance (CM) Services beyond the original contract scope. This total amount does not include any financial markup and is considered to be in addition to both the 2013 Agreement's yearly Base Fee and the yearly Corrective Maintenance Budgets. The Services described below were found to be out of the normal size and price range of Corrective Maintenance as defined by the contract, and more in line with Capital Improvement projects.

Overview and Scope of Services:

Adams Street Generator Radiator:

The Adams Street Facility has a 1750 kW Caterpillar generator to use as a standby emergency power source in case of a utility power outage.

During scheduled annual preventative maintenance in 2022, our maintenance team and PM contractors observed the unit overheating while in operation under a full load and determined that the radiator on the unit needs replacement due to leaking radiator cores and corroded fins. Operating the generator with an inefficient radiator can cause the unit to overheat, and premature failure of engine wearing parts. As a result, Jacobs received three quotes and recommended and proceeded with hiring a contractor (Foley Cat), to replace of the radiator to return the engine and system to full operating efficiency.

The cost for a new radiator, labor, and materials was \$53,089.37. An additional cost of \$15,036.52 was for the rental standby generator to ensure the facility had full back up power while work occurred on the unit.

The replacement project was completed in June of 2023. Full details of the repairs and costs can be found in the attached quotes and invoices.

Trickling Filter Pump Station G2 Flygt Pump Rebuild:

The Trickling Filter Pump Station Influent wet well has four pumps that pump water to the trickling filters. At least 3 working pumps must be available to run continuously every day to pump water to the filters to keep the facility operating.

Earlier this year in March, our team observed G2 running with a loud vibration. Pumping Services, the certified local vendor was called to pull the pump and troubleshoot. Upon evaluation at the PSI facility, their mechanics found that the bearings had overheated causing grease to burn. As the bearings overheated, they expanded the bearing race which wore into the tension plate making the pump run out of alignment. Pumping services replaced the bearings, rebalanced the impeller, and installed new sensors along with washing and baking the stator, replacing the mechanical, seals, sensors, and O-rings. The impeller and shaft were also rebalanced to increase efficiency and the service life. This pump was repaired and returned and is currently back in operation.

Full details of the repairs and services can be found in the attached quotes and invoices.

Trickling Filter Pump Station G7 Flygt Pump Rebuild

The Trickling Filter Pump Station Effluent wet well has four pumps to pump water to the PURAC Building. At least 3 working pumps must be available to run continuously every day to pump water to the next process to keep the facility operating.

During annual maintenance for the G7 pump, Pumping Services found insulation breakdown between the slots of the stator core and water in the seal housing and bearings. The G7 pump is 15 years old and has had no recent repairs or major rebuilds, so Pumping Services also upgraded the bearings with the new style, along with the wear rings to ensure there is proper clearance according to the manufacturer's specifications. These necessary upgrades will hopefully lengthen the lifespan of the pump. This pump is currently out with Pumping Services until all repair work is complete.

Full details of the repairs and services can be found in the attached quotes and invoices.

Effluent Pump Station H23 Flygt Pump Rebuild

The Adams Street WWTP has four large pumps in the Effluent Pump Station that pump disinfected plant effluent to the Hudson River.

During the annual maintenance for the H23 Pump, Pumping Services found the top assembly contaminated with water. The failures are attributed to a broken seal allowing water into the pump due to incorrect positioning of the power cables. The cables were also impacted and must be replaced. The pump stator will be washed and baked and reinstalled with new seals, o rings and bearings. The impeller will also be balanced to prevent against premature failure of seals, bearings and bearing tolerances. This pump is currently out with Pumping Services until all repair work is complete.

Full details of the repairs and services can be found in the attached quotes and invoices.

Schedule:

All work has been completed for the new Generator Radiator and G2 Pump rebuild. Repairs to G7 and H23 are still on-going at this time due to lead times for repair parts.

Cost:

Jacobs OMI's proposed cost estimate for the projects are \$ 217,965.46 (Two Hundred Seventeen Thousand, Nine Hundred Sixty-Five Dollars and Forty-Six Cents). This amount is based on the estimated direct costs and does not include any financial markup. The corrective maintenance project costs are in addition to the Agreement's base fee and any other Agreement budget amounts.

PROJECT COSTS - SUMMARY TABLE		COST (\$)
1	Adams Street Generator Radiator and Rental Unit	\$ 68,125.89
2	TFPS G2 Flygt Pump Rebuild	\$ 54,145.43
3	TFPS G7 Flygt Pump Rebuild	\$ 53,008.42
4	Effluent Pump Station H23 Flygt Pump Rebuild	\$ 42,685.72
TOTAL COST		\$217,965.46

TOTAL ESTIMATED COST: \$217,965.46

If you are in agreement with this letter, please provide NHTSA Board approval in the form of a signed resolution.

Jacobs OMI appreciates the opportunity to provide these services. If you need additional information or have any questions regarding this letter, please feel free to contact me by phone at 201.795.1411 or by e-mail at Mark.Berube@jacobs.com.

Thank you for your consideration regarding this proposed corrective maintenance project.

Regards,

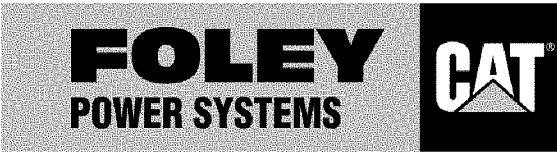


Mark Berube.
Project Director

Cc: Richard J. Wolff, NHTSA Executive Director
Fredric J. Poggi PE NHTSA Special Advisor
Kevin Dahl, Jacobs OMI
Philip G. Reeve, Jacobs OMI

Enclosure(s):

- 01 HOB Solids Bldg Generator Radiator Standby Unit Invoice from FOLEY CAT dated May 4 2023
- 02 HOB Solids Bldg Generator Radiator Replacement Invoice from FOLEY CAT dated June 26 2023
- 03 HOB TFPS G2 Rebuild Invoice from PSI dated June 6 2023
- 04 HOB TFPS G2 Rebuild Invoice from PSI dated March 9 2023
- 05 HOB TFPS G7 Rebuild Proposal from PSI dated May 23 2023
- 06 HOB Effluent PS H23 Pump Rebuild Proposal from PSI dated May 24 2023



FOLEY, INCORPORATED
 855 CENTENNIAL AVENUE
 PISCATAWAY, NJ 08855
 USA

RENTAL INVOICE

Invoice Number INV0046678
 Contract Number RCP000000285-1
 Invoice Date 5/4/2023
 Invoice Due Date 5/4/2023
 Customer C1003897 - 0406010
 Salesperson Laurie D Benninger
 Payment Terms Cash on Delivery
 Date out 4/17/2023
PAGE 1 / 2

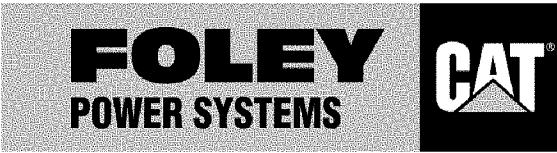
Sold to: JACOBS ENGINEERING GROUP INC - MORRIST
 1999 BRYAN ST
 DALLAS, TX 75201

Jobsite Contact:
Jobsite Location: NORTH HUDSON SEWERAGE
 1600 ADAMS STREET
 HOBOKEN, NJ 07030

Customer PO	Customer Contact	Customer E-mail	Customer Phone
148040088			

Qty	Item Description	Day	Week	4 Week	Amount
Rental Items					
1	Make: CAT Model: XQ2000-EPG XQ2000 GENERATOR SET SERIAL NO: NAM00183 ID NO.: Y2375 Invoice From: 4/17/2023 Invoice To: 4/24/2023 Hours in: 9,646.30 Hours out: 9,646.00 1500kW @ 480V / 3phase	2,335.00	7,000.00	21,000.00	7,000.00
26	4/0 TAIL OR CONNECTOR MALE BE Invoice From: 4/17/2023 Invoice To: 4/24/2023	6.00	6.00	18.00	156.00
26	4/0 TAIL OR CONNECTOR FEMALE EYE Invoice From: 4/17/2023 Invoice To: 4/24/2023	6.00	6.00	18.00	156.00
26	CABLE 4/0 CAMLOK 50' Invoice From: 4/17/2023 Invoice To: 4/24/2023 26 cables = 50' run @ 480V (6 per phase, 6 neutral, and 2 ground)	45.00	45.00	90.00	1,170.00

Miscellaneous Items					Amount
1	Pick Up				2,180.00
1	Environmental Fee - 1.50%				140.03
1	Equipment Protection Plan - 12.00%				1,120.20
1	Delivery				2,180.00



FOLEY, INCORPORATED
855 CENTENNIAL AVENUE
PISCATAWAY, NJ 08855
USA

RENTAL INVOICE

Invoice Number INV0046678
Contract Number RCP000000285-1
Invoice Date 5/4/2023
Invoice Due Date 5/4/2023
Customer C1003897 - 0406010
Salesperson Laurie D Benninger
Payment Terms Cash on Delivery
Date out 4/17/2023
PAGE 2 / 2

Sold to: JACOBS ENGINEERING GROUP INC - MORRIST
1999 BRYAN ST
DALLAS, TX 75201

Jobsite Contact:
Jobsite Location: NORTH HUDSON SEWERAGE
1600 ADAMS STREET
HOBOKEN, NJ 07030

Table with 4 columns: Customer PO, Customer Contact, Customer E-mail, Customer Phone. Row 1: 148040088

Table with 6 columns: Qty, Item Description, Day, Week, 4 Week, Amount

Comments

Subtotal 14,102.23
Sales Tax: STUSNJS 6.625% 934.29
Total \$15,036.52

Credit card payments are only accepted at Point of Sale.
A service charge of 1 1/2% per month will be assessed on all past due accounts.

Please Remit to:
FOLEY, INCORPORATED
P.O. BOX 787132
PHILADELPHIA, PA 19178-7132
USA

BY PURCHASING GOODS/SERVICES FROM FOLEY, INC. THE CUSTOMER AGREES TO AND INTENDS TO BE BOUND BY FOLEY INC'S ONLINE TERMS AND CONDITIONS.



THIS TRANSACTION SHALL BE GOVERNED BY THE LAWS OF THE STATE OF NEW JERSEY WITHOUT REGARDS TO ANY CONFLICT OF LAW PROVISIONS AND SHALL BE BINDING UPON PARTIES AND THEIR RESPECTIVE LEGAL REPRESENTATIVES. THE PARTIES SUBMIT TO THE EXCLUSIVE JURISDICTION OF THE COURTS OF THE STATE OF NEW JERSEY AND AGREE THAT ANY LEGAL ACTION OR PROCEEDING RELATING TO THIS AGREEMENT MUST BE BROUGHT IN THESE COURTS. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL PROCEEDING ARISING OUT OF OR RELATED TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY.

THIS TRANSACTION, IS GOVERNED BY AND SUBJECT TO FOLEY, INC'S STANDARD RENTAL TERMS AND CONDITIONS, WHICH ARE ACCESSIBLE AT https://www.foleyinc.com/legal-notices/. THESE ONLINE TERMS AND CONDITIONS ARE HEREBY INCORPORATED BY REFERENCE AND SHALL BE DEEMED TO HAVE THE SAME FORCE AND EFFECT AS IF SET FORTH IN FULL HEREIN. FOLEY RESERVES THE RIGHT, AT ITS SOLE DISCRETION TO CHANGE OR MODIFY THESE TERMS AND CONDITIONS. ANY CHANGES OR MODIFICATIONS CAN BE FOUND AT THE WEBSITE PROVIDED HEREIN.



SERVICE INVOICE

FOLEY, INCORPORATED
 855 CENTENNIAL AVENUE
 PISCATAWAY, NJ 08855
 USA

Service Invoice # SIN00086129
 Invoice Date 6/26/2023
 Service Call EQ15203
 Account # C1003173
 Store PISC
 Division PS
 Call Type EPG
 Page 1 / 3

Sold To: OPERATIONS MANAGEMENT INTL. OMI
 1600 ADAMS ST
 HOBOKEN, NJ 07030
 USA

Job Site: 1600 ADAMS ST
 HOBOKEN, NJ 07030
 USA

Customer PO	Payment Terms	Customer Contact	Customer Phone
148040374	Cash on Delivery		201 798 1411
Make	Model	Serial Number	Cust Equip No
CAT	3516-EPG	25Z02606	
Created Date	Meter Reading	Salesperson	Foley
6/26/2023	50.00		MEQ1000847

Item	Description	Quantity	Unit Price	Extd Price
Segment: 686	Legacy JobCode: [REPLACE] Legacy Component Code:[RADIATOR Customer : []			

Segment Notes:

Customer complaint: replace radiator

Service Report:

4/19/23 - 99956

- .traveled to and from site
- .arrived on site and spoke with contact was escorted to generator room
- .locked out and tagged out gen
- .drained coolant into 55 gallon drums
- .began assisting BGR with removal of radiator
- .brought in A frame to remove radiator in sections
- .removed radiator
- .cleaned all piping going to radiator
- .began installing new radiator
- .asked contact if he wanted to change the coolant due to the contamination he said yes
- .ordered coolant for job

Service Report:

4/20/23 - 99956

- .traveled to and from site
- .finished assembly of piping to radiator
- .filled with coolant
- .installed guards and shrouds
- .checked for leaks
- .ran engine and confirmed no overheating issue

*customer would like quote for valve adjustment and installing a new panel

Flat Rate	Labor Charge		6,860.00
	Labor - EPG	0.50	
	Labor - EPG	2.00	

FOLEY, INCORPORATED
855 CENTENNIAL AVENUE
PISCATAWAY, NJ 08855
USA

SERVICE INVOICE

Service Invoice # SIN00086129
Invoice Date 6/26/2023
Service Call EQ15203
Page 2 / 3

Item	Description	Quantity	Unit Price	Extd Price
	Labor - EPG	1.00		
	Labor - EPG	0.50		
	Labor - EPG	8.50		
	Labor - EPG	0.50		
	Labor - EPG	-0.50		
	Labor - EPG	0.50		
	Labor - EPG	-0.50		
	Labor - EPG	0.50		
	Labor - EPG	-0.50		
	Labor - EPG	0.50		
	Labor - EPG	-8.50		
	Labor - EPG	5.00		
	Labor - EPG	3.50		
	Labor - EPG	0.50		
	Labor - EPG	5.00		
	Labor - EPG	2.00		
	Labor - EPG	0.50		
	Labor - EPG	0.50		
	Labor - EPG	-0.50		
	Labor - EPG	0.50		
	Labor - EPG	-0.50		
	Labor - EPG	0.50		
	Labor - EPG	-0.50		
	Labor - EPG	0.50		
	Labor - EPG	-5.00		
	Labor - EPG	3.50		
	Labor - EPG	1.50		
				Labor Subtotal \$6,860.00
Flat Rate	Parts Charge			645.29
6L8617	Cap	1.00		
7W5228	Vee Belt Set	1.00		
9X7340	Seal	8.00		
3195889	Seal Joint	2.00		
				Parts Subtotal \$645.29
Flat Rate	Miscellaneous Charges			43,680.00
STMILES	Service Vehicle Miles	81.00		
STMILES	Service Vehicle Miles	74.00		

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855 CENTENNIAL AVENUE
PISCATAWAY, NJ 08855
USA

SERVICE INVOICE

Service Invoice # SIN00086129
Invoice Date 6/26/2023
Service Call EQ15203
Page 3 / 3

Item	Description	Quantity	Unit Price	Extd Price
				Misc Subtotal \$43,680.00
				Segment Subtotal \$51,185.29
Segment: 687	SUPPLY PARTS			
2388650	Coolant-Ele	2.00	952.04	1,904.08
				Parts Subtotal \$1,904.08
				Segment Subtotal \$1,904.08

Labor	6,860.00
Parts	2,549.37
Miscellaneous	43,680.00
Sales Tax: STUSNJE 6.625%	0.00
Total	\$53,089.37

Please Remit to:
FOLEY, INCORPORATED
P.O. BOX 787132
PHILADELPHIA, PA 19178-7132
USA

BY PURCHASING GOODS/SERVICES FROM FOLEY, INC. THE CUSTOMER AGREES TO AND INTENDS TO BE BOUND BY FOLEY INC'S ONLINE TERMS AND CONDITIONS.

A FINANCE CHARGE WILL BE APPLIED TO THE NET AMOUNT OUTSTANDING AS OF THE 30TH OF EACH SUCCEEDING MONTH TO REFLECT THE COST OF FUNDS.

THIS TRANSACTION SHALL BE GOVERNED BY THE LAWS OF THE STATE OF NEW JERSEY WITHOUT REGARDS TO ANY CONFLICT OF LAW PROVISIONS AND SHALL BE BINDING UPON PARTIES AND THEIR RESPECTIVE LEGAL REPRESENTATIVES. THE PARTIES SUBMIT TO THE EXCLUSIVE JURISDICTION OF THE COURTS OF THE STATE OF NEW JERSEY AND AGREE THAT ANY LEGAL ACTION OR PROCEEDING RELATING TO THIS AGREEMENT MUST BE BROUGHT IN THESE COURTS. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL PROCEEDING ARISING OUT OF OR RELATED TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY.

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PSI
PROCESS

Pumping Services, Inc.

201 Lincoln Boulevard
Middlesex, NJ 08846
(732) 469-4540

www.psiprocess.com

Electrical Contractor Bus. Permit #34EB01825300

Employee Owned

Invoice

INVOICE #	1137594
DATE	06/06/23
PAGE	1 of 2



BILL TO

001331
Jacobs Engineering Group
ATTN:Accounts Payable
125 Broadway Ave
Oak Ridge, TN 37830

SHIP TO

OMI Wastewater Services Inc.
1600 Adams Street
Hoboken, NJ 07030

ORDER NUMBER S80047	PAYMENT TERMS Net 30 Days Pending	CUSTOMER P/O NUMBER VERBAL	INSTRUCTIONS
WRITTEN BY Joe Reilly	CONTACT Arellys @ Hoboken (arel)	SHIP VIA OUR TRUCK - PICK-UP REQUIRED	

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION
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Model : 35318455052

CP3531/845 CODE 1240 215HP 460V 3PH 685MM FM

Serial#: 3531.845-1931001

-----> Description Of Repair Job A <-----

EVALUATION

-----> Solution Of Repair Job A <-----

This quote is for the shop repair of your equipment. Please read this proposal carefully.

-----> Description Of Repair Job B <-----

Complete Rebuild

-----> Solution Of Repair Job B <-----

Recondition pump following Pumping Services' procedures. The unit is cleaned, disassembled and estimated. Reassemble pump using parts listed. Run pump in our test tank for 20 minutes to ensure that pressure output and amperage draw are within manufacturers specifications. Adjust wear parts if necessary and retest. Upon completion of tank test, the seals and windings are tested for integrity. Prepare surface of pump and paint. Pumping Services warranties this repair against defects in materials and workmanship for (3) months. Our warranty covers parts and shop labor.

Repair Amount

40,710.72

VESTAN 350	16	16	0
SUBMERSIBLE PUMP OIL GRADE 68			
*PART	1	1	0
WASH & BAKE STATOR			
215HP			
833465	1	1	0
ROLLER BEARING CYL SINGLE ROW			
835764	1	1	0
BEARING,ROLLER CYL SNGL ROW			
200X110X38,28X28MM, NU222ECP6			
842328	2	2	0
BEARING, BALL ANG CONT			
SNGL ROW 240X110X100MM, 7322BECB			
7147200	1	1	0
STEEL WASHER			
5598030	1	1	0
MECHANICAL SEAL			
WCCR/WCCR			

Continued...



PSI
PROCESS
Employee Owned

Pumping Services, Inc.
201 Lincoln Boulevard
Middlesex, NJ 08846
(732) 469-4540
www.psiprocess.com
Electrical Contractor Bus. Permit #34EB01825300

Service Quotation

Quote #	SQ39730
Quote Date	05/23/23
Date Printed	06/14/23
Page	1 of 3

BILL TO

001331
Jacobs Engineering Group
125 Broadway Ave
Oak Ridge, TN 37830

SHIP TO

OMI
1600 Adams Street
Hoboken, NJ 07030

CONTACT Philip Reeve	PAYMENT TERMS Net 30 Days Pending Approval	JOB #	INSTRUCTIONS PSI-020115
WRITTEN BY Dan Sarao	FREIGHT TERMS FREIGHT INCLUDED	SHIP VIA OUR TRUCK - PICK-UP REQUIRED	

PRODUCT/DESCRIPTION	QUANTITY	PRICE	U/M	EXTENSION
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Model : 1403501000036G
CP3501/815 FM CODE 1430 130HP 460V 3PH 55' 605MM
Serial#: 3501.815-0811089

-----> Description Of Service Job A <-----

EVALUATION

-----> Solution Of Service Job A <-----

This quote is for the shop repair of your equipment. Please read this proposal carefully.

LAB01

17

Shop Mechanic
Regular time

-----> Description Of Service Job B <-----

Upon evaluation of the 3501 in our shop we found, all 3 sets of thermal switches read open. Motor passed the ohms test but failed the hi-pot test for insulation breakdown between the slots of the stator core. Seals showing signs of normal wear, found water in seal housing. Bearing grease inside the lower bearing arrangement broken down, bearings should be replaced. Upper bearing is the old style and we will upgrade to the insulated bearing recommended by the manufacturer. Rotating wear ring on impeller is worn, we recommend changing both wear rings for the proper clearance according to manufacturers specifications. We have no service record of this pump ever being repaired in our facility, the pump is 15 years old. We will balance the impeller and add or reduce mass to achieve a balance of 2.5 to prevent against premature failure of the bearing and bearing tolerances.

-----> Solution Of Service Job B <-----

Recondition pump following Pumping Services' procedures. The unit is cleaned, disassembled and estimated. Reassemble pump using parts listed.

Pump is rated FM (Ex-Proof) and must have all housings measured and documented by a certified Flygt technician and approved Flygt service center to maintain FM rating.

Pumping Services Inc. is an approved Flygt service center with Flygt Repair Certified Technicians

Pumping Services warranties this repair against defects in materials and workmanship for (9) months. Our warranty covers parts and shop labor.

Service Amount

45,502.41

5733701X
STATOR 130HP 505RPM

1



PSI
PROCESS
Employee Owned

Pumping Services, Inc.
 201 Lincoln Boulevard
 Middlesex, NJ 08846
 (732) 469-4540
www.psiprocess.com
 Electrical Contractor Bus. Permit #34EB01825300

Service Quotation

Quote #	SQ39730
Quote Date	05/23/23
Date Printed	06/14/23
Page	2 of 3

PRODUCT/DESCRIPTION	QUANTITY	PRICE	U/M	EXTENSION
Reconditioned				
830568 ORING KIT 3531 7X5, 8X5 DRIVE	1			
8399603 REP KIT 3501 Includes: (1) 830588 O-RING KIT, (1) 833465 ROLLER BEARING, (1) 834045 BALL BEARING, (1) 5598030 MECHANICAL SEAL, (1) 5852601 MECHANICAL SEAL, (11) 6643400 ROLLER BEARING UNIT	1			
810828 GROMMET 57MM ID 90MM OD NBR	2			
841805 GROMMET 32MM ID 52MM OD 27L	2			
VESTAN 350 SUBMERSIBLE PUMP OIL GRADE 68	24			
3452520 WEAR RING,ROTATING S.S.35&3600	1			
3148813 WEAR RING BRONZE	1			
840090 PUMP MEMORY	1			
839736 THERMAL SWITCH 140C	3			
MACHININGJOB BALANCE IMPELLER	1			

-----> Description Of Service Job C <-----

Install Equipment

-----> Solution Of Service Job C <-----

We will provide the labor, material, and lifting means to install all of the above listed equipment unless otherwise noted in this proposal. We will verify that the operation of the system is correct, voltage and amperage of the related equipment is within name plate rating. Run the station through automatic mode to ensure it is operating properly. The cost of materials required during installation not listed, if applicable, is invoiced as an addition to the quoted labor charge if not listed.

*SUBS CRANE CHARGES 8 HR PORTAL TO PORTAL	1	2520.0000	EA	2,520.00
LABORDAY2PW Two Man Crew with Truck PW One Day Labor Charge (8 Hours)	1	4986.0096	EA	4,986.01

Continued...



PSI
PROCESS
Employee Owned

Pumping Services, Inc.
 201 Lincoln Boulevard
 Middlesex, NJ 08846
 (732) 469-4540
www.psiprocess.com
 Electrical Contractor Bus. Permit #34EB01825300

Service Quotation

Quote #	SQ39730
Quote Date	05/23/23
Date Printed	06/14/23
Page	3 of 3

PRODUCT/DESCRIPTION	QUANTITY	PRICE	U/M	EXTENSION
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Prices are valid for 15 days beyond the original quote date. Pumping Services, Inc. CANNOT store equipment more than one month after transmittal of our first quote. If this quote involves equipment in our shop for repair, we will contact you twice via phone and/or email and finally once by receipt requested email. Two weeks after receipt of our final email or its undeliverable return, Pumping Services, Inc. will dispose of the equipment.

SUB-TOTAL	HANDLING	MISC CHARGE	TAX	FREIGHT	QUOTE TOTAL
53,008.42	0.00	0.00	0.00	0.00	53,008.42

Acceptance of Proposal:

The preceding prices, specifications and conditions including those on the reverse side (rev. 2004.03.09) of this page are satisfactory and hereby accepted. You are authorized to proceed.

 Signature Accepted By

 Print Name

 Purchase Order Number
 Date: ___ / ___ / ___



PSI
PROCESS
Employee Owned

Pumping Services, Inc.
 201 Lincoln Boulevard
 Middlesex, NJ 08846
 (732) 469-4540
www.psiprocess.com
 Electrical Contractor Bus. Permit #34EB01825300

Service Quotation

Quote #	SQ39738
Quote Date	05/24/23
Date Printed	06/14/23
Page	1 of 3

BILL TO

001331
 Jacobs Engineering Group
 125 Broadway Ave
 Oak Ridge, TN 37830

SHIP TO

OMI
 1600 Adams Street
 Hoboken, NJ 07030

CONTACT Philip Reeve	PAYMENT TERMS Net 30 Days Pending Approval	JOB #	INSTRUCTIONS PSI-020119
WRITTEN BY Dan Sarao	FREIGHT TERMS FREIGHT INCLUDED	SHIP VIA OUR TRUCK - PICK-UP REQUIRED	

PRODUCT/DESCRIPTION	QUANTITY	PRICE	U/M	EXTENSION
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Model : 1403501000053G
 20" SUB TRASH PUMP 90HP CP 565MM 460V 55' FM MAS 745
 Serial#: 3501.745-1221058

-----> Description Of Service Job A <-----

EVALUATION

-----> Solution Of Service Job A <-----

This quote is for the shop repair of your equipment. Please read this proposal carefully.

LAB01

12

Shop Mechanic
 Regular time

-----> Description Of Service Job B <-----

Upon evaluation of your 3501 we found, water inside pump top possibly entering through the grommets usually caused by the weight of the cables and not having the correct radial bend allowing a gap between cable and grommet letting water inside pump top and eventually into the stator housing washing all the grease from lower bearing arrangement. After talking to our service technician he advised we have no length left to cut back cables to replace grommets, the power cables will need to be replaced. We tried to pull information from the pump memory but memory would not sync and will need to be replaced. Impeller will be balanced before repairing to prevent against premature failure of seals, bearings and bearing tolerances.

-----> Solution Of Service Job B <-----

Recondition pump following Pumping Services' procedures. The unit is cleaned, disassembled and estimated. Reassemble pump using parts listed.

Pumping Services warranties this repair against defects in materials and workmanship for (9) months. Our warranty covers parts and shop labor.

Service Amount

35,179.71

VESTAN 350	16
SUBMERSIBLE PUMP OIL GRADE 68	
MACHININGJOB	1
BALANCE IMPELLER	
*PART	1
WASH & BAKE STATOR 90HP	
EXTEND LEADS	
841807	2



PSI
PROCESS
Employee Owned

Pumping Services, Inc.
 201 Lincoln Boulevard
 Middlesex, NJ 08846
 (732) 469-4540
www.psiprocess.com
 Electrical Contractor Bus. Permit #34EB01825300

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GROMMET, 38ID 52OD 28L				
841936 GROMMET 48MM ID 70MM OD 33L	2			
840090 PUMP MEMORY	1			
845913 LOCKING ASSEMBLY	1			
835370 TERMINAL BLOCK	2			
941986 CABLE SUBCAB, OD 38-41 MM 3X70+2G35/2+S(2X0.5)	55			
6179902 MECHANICAL SEAL WCCR/WCCR	1			
7261800 SEAL ASSEMBLY	1			
830568 ORING KIT 3531 7X5, 8X5 DRIVE	1			
830586 O-RING KIT 7X5	1			
833465 ROLLER BEARING CYL SINGLE ROW	1			
842325 BEARING 7319 BECBP	2			
6643300 BEARING UNIT Consisting of: 835748 roller bearing 5544300 Plain Washer 6645800 Mounting Instructions	1			

-----> Description Of Service Job C <-----

Install Equipment

-----> Solution Of Service Job C <-----

We will provide the labor, material, and lifting means to install all of the above listed equipment unless otherwise noted in this proposal. We will verify that the operation of the system is correct, voltage and amperage of the related equipment is within name plate rating. Run the station through automatic mode to ensure it is operating properly. The cost of materials required during installation not listed, if applicable, is invoiced as an addition to the quoted labor charge if not listed.

LABORDAY2PW Two Man Crew with Truck PW One Day Labor Charge (8 Hours)	1	4986.0096	EA	4,986.01
*SUBS CRANE CHARGES 8 HOURS PORTAL TO PORTAL	1	2520.0000	EA	2,520.00

Continued...



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Prices are valid for 15 days beyond the original quote date. Pumping Services, Inc. CANNOT store equipment more than one month after transmittal of our first quote. If this quote involves equipment in our shop for repair, we will contact you twice via phone and/or email and finally once by receipt requested email. Two weeks after receipt of our final email or its undeliverable return, Pumping Services, Inc. will dispose of the equipment.

SUB-TOTAL	HANDLING	MISC CHARGE	TAX	FREIGHT	QUOTE TOTAL
42,685.72	0.00	0.00	0.00	0.00	42,685.72

Acceptance of Proposal:

The preceding prices, specifications and conditions including those on the reverse side (rev. 2004.03.09) of this page are satisfactory and hereby accepted. You are authorized to proceed.

 Signature Accepted By

 Print Name

 Purchase Order Number

Date: ___ / ___ / ___