

**RESOLUTION AUTHORIZING CONTRACT MODIFICATION 2022-07 TO  
OPERATIONS MANAGEMENT INTERNATIONAL/JACOBS**

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**MOTIONED BY:** Kappock

**SECONDED BY:** Friedrich

**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. under resolution 13-027 in the amount of \$10,516,133.39 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**, OMI has recommended several CM services to the following facilities: Adams St Wastewater Treatment Plant, H1 Wet Weather Pump Station, 5th Street Pump Station, 18th Street Pump Station, and Port Imperial #3 Pump Station. The purpose of the contract modification is to cover the cost outside the current contract scope for major pump rebuilds and equipment rehabilitations; and

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

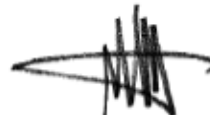
**NOW, THEREFORE, BE IT RESOLVED** that the Authority hereby authorizes the execution and implementation of said contract modification 2022-07 in an amount not to exceed \$191,528.75.

**DATED: JANUARY 19, 2023**

**RECORD OF COMMISSIONERS' VOTE**

|                          | <b>YES</b> | <b>NO</b> | <b>ABSTAIN</b> |
|--------------------------|------------|-----------|----------------|
| 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 JANUARY 19, 2023.**




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**SECRETARY**



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

Mr. Fredric J. Pocci, P.E.  
Authority Engineer  
North Hudson Sewerage Authority  
1600 Adams Street  
Hoboken, New Jersey 07030

January 4, 2023

Subject: 2022 Additional Corrective Maintenance Projects  
JACOBS Operations Maintenance & Management Agreement

Dear Mr. Pocci,

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, H1 CSO Pump Station, 5<sup>th</sup> Street Pump Station, 18<sup>th</sup> Street Pump Station, Port Imperial Pump Station #3.

Jacobs OMI is seeking the Authority's concurrence to invoice for the total cost of \$191,528.75 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 Komline Sanderson Pump Rebuild**

The Adams Street facility has two Komline Sanderson reciprocating piston pumps to transfer sludge from the Sludge Holding Tank to the gravity belt thickeners. These pumps are used daily to process biosolids at the facility and are essential to the overall process.

During an inspection in Fall of 2021, the E6 Piston Pump began showing signs of wear; the main drive shaft components began failing due to age. The manufacturer, Komline Sanderson, provided an onsite assessment and suggested a rebuild of the drive and liquid end of the pump, and recommended purchasing one of their preassembled drive shafts along with replacing the plungers and associated connecting equipment based on age and condition. Jacobs purchased the kit and rebuilt the drive and liquid end of the pump under the supervision of a Komline Sanderson technician. The quote for the repair kit and labor was originally \$42,706.00, but was completed under budget for a total of \$27,010.00.

The rebuild project was completed in June of 2022. Full details of the repairs and spare part costs can be found in the attached invoices.

**H1 CSO Pump Station Electrical Cables:**

The H1 CSO wet weather pump station has two submersible Flygt pumps that pump CSO/storm water out of the south end of Hoboken during rain events to prevent street flooding in southwest Hoboken.

During this year's annual preventative maintenance inspection completed by Pumping Services, the electrical cables that run underground to the two submersible pumps located in the wet well were found in poor condition and corroded. Inadequate electrical wiring decreases operating performance and pump efficiency. A sudden loss of power to the pumps during a rain event could cause unnecessary flooding on the streets of Hoboken. Contractors recommended immediate replacement of the two main power cables that run from the pumps to the junction box adjacent to the underground wet well. The cables were ordered and installed by Pumping Services, returning the facility back to 100% operational.

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

#### 5<sup>th</sup> Street Pump Station Pump #2 and #3 Rebuild:

The 5<sup>th</sup> Street Pump Station has three dry pit submersible ABS pumps. The ABS pumps used at this pump station require little maintenance; the manufacturer recommends running the equipment until there is a need to pull the pumps for inspections and troubleshooting due to failure. During normal operations, Pump #2 and #3 had failed, requiring the contractor to perform emergency repairs to bring the station back to 100% operating capacity.

During the inspection of Pump #2, it was determined that the motor failed and needed to be washed, baked, and reinsulated, along with a new bearing. Upon completing repairs, the pump was reinstalled and checked for proper operation.

During the inspection of Pump #3, it was determined that the pump had a broken shaft. Repairs included installation of a rebuild kit along with new mechanical seals, and bearings. Upon completing repairs, the pump was reinstalled and checked for proper operation.

These repairs brought the pump station back to full capacity and functionality. Full details of the repairs and services can be found in the attached Invoices and Proposals.

Both these pumps have been in service for more than seven years under stressful service requirements. Full details of the repairs and spare part costs can be found in the attached invoices

#### 18<sup>th</sup> Street Pump Station Bar Screen Rehab

The 18<sup>th</sup> Street Pump station has a bar screen system at the headworks of the pump station to remove material and debris from the influent flow through the pump station wet well. During routine inspections of the bar screen rakes at the station, the Jacobs OMI collection crews identified wear on the scrapers and rakes, and an overall decrease in the amount of material and debris removed by the screening mechanism. A reduction in material removed from the waste stream allows debris to make its way downstream, increasing normal wear and tear on the pumps.

The overhaul of the bar screen system consisted of two components. First, new scrapers were purchased from American Hose and Hydraulic for \$15,266.52. The second part of the project employed Rapid Pump to assist with the installation of the scrapers and rakes. This portion of the work required Rapid Pump mechanics to install the rakes and scrapers, adjust chain, flights and balance the gears and shaft, and test for proper operation. The total cost for Rapid Pump services was \$16,948.44.

The total cost to rehab the bar screens at the pump station was \$32,735.80. Full details of the repairs and services can be found in the attached invoices.

#### Port Imperial Pump Station #3, Pump #2 Rebuild

Port Imperial Pump Station #3 has three submersible Flyght pumps. Currently, two of the three pumps are online and in service while repairs take place to the piping header within the wet well.

During normal operations, pump #2 had failed, requiring the authorized vendor, Pumping Services, to pull the pump and perform a full inspection. Pumping Services determined that the initial symptom was a ground fault caused by water in the pump housing. Upon troubleshooting further, water and moisture leaked past the seals and bearings to the top of the pump, requiring a full rebuild.

The pump was removed and delivered to Pumping Services where their maintenance team completed a full rebuild of the pump and bearings. Upon completing the work and performing a full operational test, the pump was returned and installed into the wet well.

Full details of the repairs and spare part costs can be found in the attached invoices

**Schedule:**

All work listed above for the H1 CSO Pump Station, 5<sup>th</sup> Street Pump station, Port Imperial Pump Station #3, and 18<sup>th</sup> Street Pump Station is complete.

Repairs to the E6 Komline Sanderson Pump were completed in June of 2022 and the equipment is online and operations

**Cost:**

Jacobs OMI's proposed cost estimate for the projects are \$191,528.75 (One hundred ninety-one thousand and five hundred twenty-eight dollars and seventy-five 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                             | Komline Sanderson E6 Rebuild                             | \$ 27,010.00         |
| 2                             | H1 CSO Pump Station Electrical Cables                    | \$ 80,202.95         |
| 3                             | 5 <sup>th</sup> Street Pump Station Pump #2 & #3 Rebuild | \$ 31,596.00         |
| 4                             | 18 <sup>th</sup> Street Pump Station Bar Screen Rehab    | \$ 32,735.80         |
| 5                             | Port Imperial #3 Pump #2 Rebuild                         | \$ 19,984.00         |
| <b>TOTAL COST</b>             |  | <b>\$ 191,528.75</b> |

**TOTAL ESTIMATED COST: \$ 191,528.75**

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  
Kevin Dahl, Jacobs OMI  
Philip G. Reeve, Jacobs OMI

Enclosure(s):

- Invoice 42053534 for Komline Sanderson E6 Pump Rebuild 5/31/2022 – Komline Sanders
- Invoice 1133318 for H1 CSO Pump Station Repairs 10/27/2022 – Pumping Services Inc.
- Invoice RSRI8600 for 5<sup>th</sup> Street Pump Station Pump 2 & 3 Rebuilds 9/27/2022 - Precision
- Invoice RSRI65280 for 18<sup>th</sup> Street Pump Station Bar Screen Rehab Rapid Pump 9/30/2022 – Rapid Pump
- Invoice 00040594 & 00040599 for American Hose and Hydraulic 5/22/2022 and 5/25/2022 – American Hose and Hydraulic
- Invoice 1131574 for Port Imperial Pump Station #3 Pump 2 Rebuild 7/26/2022 – Pumping Services Inc.



**INVOICE**

Box 257  
12 Holland Ave  
Peapack, NJ 07977

www.komline.com  
info@komline.com

**REMIT TO:**  
Komline-Sanderson  
P.O. Box 257  
Peapack, NJ 07977-0257

**INVOICE NO :** 42053534  
**INVOICE DATE :** 5/31/2022  
**SALESPERSON :** G P Jager & Assoc.

TIN: 22-1442955

|  |  |
|--|--|
| <b>BILL TO:</b><br>OPERATI015<br>Operations Management International, Inc.<br>125 Broadway Avenue<br>Oak Ridge TN 37830<br>USA | <b>SHIP TO:</b><br>Jacobs<br>1600 Adams Street<br>Hoboken NJ 07030-2304<br>USA |
|--|--|

|                                 |                             |                                |                                 |
|---------------------------------|-----------------------------|--------------------------------|---------------------------------|
| <b>CUSTOMER PO</b><br>148033474 | <b>TERMS</b><br>Net 30 Days | <b>SHIP VIA</b><br>Truck - K-S | <b>FREIGHT TERMS</b><br>Prepaid |
|---------------------------------|-----------------------------|--------------------------------|---------------------------------|

| LN | ORDERED<br>U/M | INVOICED | BACKORD | ITEM  | UNIT PRICE | AMOUNT   |
|----|----------------|----------|---------|---|------------|----------|
| 1  | 1.00<br>ea     | 1.00     | 0.00    | <b>Shaft Assembly, Triplex Pump, KSX</b><br>Consisting Of The Following<br><b>ORDER:</b> AM47611-001<br>Cust Item: Shaft Assembly Shall Be Assembled.<br>SHIPMENT ID: 13141 QTY: 1<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle | 9,973.00   | 9,973.00 |
| 2  | 3.00<br>ea     | 3.00     | 0.00    | <b>Z03E0225/28R1131</b><br>Housing,Stuff.Box,9"W/SQ-Gasket^<br><b>ORDER:</b> AM47611-002<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle  | 1,353.00   | 4,059.00 |
| 3  | 3.00<br>ea     | 3.00     | 0.00    | <b>03E0253</b><br>Connect.Rod, KSSXL,wtih Shims<br><b>ORDER:</b> AM47611-003<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle  | 1,820.00   | 5,460.00 |
| 4  | 3.00<br>ea     | 3.00     | 0.00    | <b>Z03E0107</b><br>Bracket, Wrst Pin, w/Screw,2.25<br><b>ORDER:</b> AM47611-004<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle   | 296.00     | 888.00   |
| 5  | 3.00<br>ea     | 3.00     | 0.00    | <b>03E0213</b><br>Plunger,CI,KSS9,Hardened<br><b>ORDER:</b> AM47611-005<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle   | 1,265.00   | 3,795.00 |



# Komline-Sanderson

## INVOICE

Box 257  
12 Holland Ave  
Peapack, NJ 07977

www.komline.com  
info@komline.com

**REMIT TO:**  
Komline-Sanderson  
P.O. Box 257  
Peapack, NJ 07977-0257

**INVOICE NO :** 42053534  
**INVOICE DATE :** 5/31/2022  
**SALESPERSON :** G P Jager & Assoc.

TIN: 22-1442955

**BILL TO:**

OPERATI015  
Operations Management International, Inc.  
125 Broadway Avenue  
Oak Ridge TN 37830  
USA

**SHIP TO:**

Jacobs  
1600 Adams Street  
Hoboken NJ 07030-2304  
USA

**CUSTOMER PO**

148033474

**TERMS**

Net 30 Days

**SHIP VIA**

Truck - K-S

**FREIGHT TERMS**

Prepaid

| LN | ORDERED<br>U/M | INVOICED | BACKORD | ITEM   | UNIT PRICE | AMOUNT   |
|----|----------------|----------|---------|--|------------|----------|
| 6  | 3.00<br>ea     | 3.00     | 0.00    | <b>63C0001</b><br>Wrist Pin,Ksx (2.25D)Wide Rod<br><b>ORDER:</b> AM47611-006<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle           | 105.00     | 315.00   |
| 7  | 3.00<br>ea     | 3.00     | 0.00    | <b>ZKSP0000051A01</b><br>2 Pack,Screw Assem,Plunger^<br><b>ORDER:</b> AM47611-007<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle      | 16.00      | 48.00    |
| 8  | 3.00<br>ea     | 3.00     | 0.00    | <b>0390282</b><br>Ecc Brg Lnr,KSSX,Babt(03E0204)<br><b>ORDER:</b> AM47611-008<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle          | 747.00     | 2,241.00 |
| 9  | 3.00<br>ea     | 3.00     | 0.00    | <b>Z63M0232 qty: 2</b><br>Set Of 2,Shim Set(One Rod) KSX^<br><b>ORDER:</b> AM47611-009<br>SHIPMENT ID: 13141 QTY: 3<br>SHIP DATE : 5/27/2022<br>SHIP VIA : Truck - A Duie Pyle | 77.00      | 231.00   |

| Tax Codes | Tax Amt |
|-----------|---------|
| NJ-Exempt | 0.00    |

|                    |               |
|--------------------|---------------|
| <b>SUBTOTAL</b>    | 27,010.00     |
| PREPAID            | 0.00          |
| FREIGHT            | 0.00          |
| MISC. CHARGES      | 0.00          |
| SALES TAX          | 0.00          |
| <b>BALANCE DUE</b> | 27,010.00 USD |



HOBOKEN/WEST NEW YORK  
CORRECTIVE & EMERGENCY MAINTENANCE NOTICE

|                        |             |
|------------------------|-------------|
| Corrective Maintenance | X           |
| Account                | CM.AS.01.00 |

|                       |     |
|-----------------------|-----|
| Emergency Maintenance |     |
| Over \$15,000         | YES |
| Client contacted      | NO  |

|             |                 |
|-------------|-----------------|
| Date        | 12/02/21        |
| Prepared by | Dejan Davidovic |

|            |             |
|------------|-------------|
| CM #/WO #  | HOB-2485355 |
| Department | Maintenance |

|               |         |
|---------------|---------|
| Location      | HOB     |
| Serial Number | KSX-9-3 |

|                  |                |
|------------------|----------------|
| Equipment        | E6 Sludge Pump |
| Years in Service | 14             |

|                           |                   |
|---------------------------|-------------------|
| Equipment Vendor          | Komline Sanderson |
| Estimated Completion Date | 03/31/22          |

|                 |   |
|-----------------|---|
| Estimated Costs | \$42,706.00   |
| Repaired by     | JACOBS with oversight and assistance from Komline Sanderson |

| Failure Type/Failure Cause  |
|---|
| The main drive shaft components for E6 have failed due to age. We have had the manufacturer in to diagnose and supply a rebuild quote based on their findings. They stated that the pump requires a full rebuild of the drive and liquid end of the pump. |

| Proposed Solution/Expected Result   |
|---|
| Jacobs will purchase the kit and rebuild the drive and liquid end of the pump. The drive end should last another 12 to 15 years. This work will be completed under the supervision of a Komline Sanderson technician on site for the duration of the pump overhaul. |

| Recent Condition Assessment |                 | Recent GM/PM Performed | Is Equipment Operating Under "STRESSED" Conditions? | Typical Life Expectancy (Yrs.) |
|-----------------------------|-----------------|------------------------|---|--------------------------------|
| Date:                       | Result          |                        |   |                                |
| 11/15/2021                  | Last Inspection | YES                    | YES   | 15                             |

Range:  
 1 = **Very Good Condition** (Only normal maintenance required)  
 2 = **Minor Defects Only** (Minor maintenance required—5% of the entity needs maintenance.)  
 3 = **Backlog Maintenance Required to Return to Accepted Level of Service** (Significant maintenance required—10 to 20% of the asset needs maintenance.)  
 4 = **Requires Renewal** (Significant renewal/upgrade—20 to 40% of the asset needs renewal.)  
 5 = **Entity Unserviceable** (Over 50% of the entity requires replacement.)



REPAIR URGENCY RATING – check one:

|   |   |  |
|---|---|--|
|   | 1 | Without repair, the permit may not be achieved or there is potential harm to human health or the environment or Operations deems equipment necessary. Why necessary? |
| X | 2 | Permit will be met, but the facility will no longer have needed back-up equipment. All remaining equipment that serves the same function is in fair condition.       |
|   | 3 | Same as 2, but operating equipment that serves the same function is new or permit will be met with equipment in service but process quality will                     |
|   | 4 | Not ultimately required for proper operations and the facility has sufficient back up, the equipment is rarely used, or upgrade will enhance process but is not      |
|   | 5 | Repair will only stop a nuisance.  |

**NOTES**  
 Komline Sanderson has recommended purchasing one of their preassembled drive shafts and replacing the plungers and associated connecting equipment based on age and condition. Cost includes the repair kit (\$30,441), as well as 5 days (1 week) of Komline-Sanderson technical services at a rate of \$1,465 per day plus expenses. Total Komline-Sanderson Technical Services estimated at \$1,465 x 5 = \$10,265 plus an estimated \$2,000 in travel expenses.

**CH2M HILL**

Signed by **Dejan Davidovic**

Date **12/1/2021**

Approved by **Donald R. Conger III**

Date **12/3/2021**

**Mott MacDonald/NHSA**

Signed by **Kevin P. Wynn**

Date **12/11/2021**

Approved by **Kevin P. Wynn**

Date **12/11/2021**

**Mott MacDonald/NHSA NOTES**



**PSI**  
PROCESS

**Pumping Services, Inc.**

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

[www.psiprocess.com](http://www.psiprocess.com)

Electrical Contractor Bus. Permit #34EB01825300

Employee Owned

**Invoice**

|                  |          |
|------------------|----------|
| <b>INVOICE #</b> | 1133318  |
| <b>DATE</b>      | 10/27/22 |
| <b>PAGE</b>      | 1 of 5   |



**BILL TO**

001331  
CH2M HILL / OMI, Inc.  
ATTN:Accounts Payable  
9191 South Jamaica Street  
Englewood, CO 80112

**SHIP TO**

North Hudson Regional Sewage Au  
H1 Storm Control Pumping Statio  
99 Observer Highway  
Hoboken, NJ 07030

|                                |                                      |  |              |
|--------------------------------|--------------------------------------|--|--------------|
| ORDER NUMBER<br>S77770         | PAYMENT TERMS<br>Net 30 Days Pending | CUSTOMER P/O NUMBER<br>PHILLIP REEVE     | INSTRUCTIONS |
| WRITTEN BY<br>Kevin Fitzgerald | CONTACT<br>Philip Reeve              | SHIP VIA<br>OUR TRUCK - PICK-UP REQUIRED |              |

| PRODUCT/DESCRIPTION | QUANTITY OPEN | QUANTITY SHIPPED | QUANTITY BACKORDERED | PRICE | U/M | EXTENSION |
|---------------------|---------------|------------------|----------------------|-------|-----|-----------|
|---------------------|---------------|------------------|----------------------|-------|-----|-----------|

-----> Description Of Repair Job A <-----  
Removal of Equipment  
-----> Solution Of Repair Job A <-----  
FST 75246 - 10/07/22

Upon arrival made two separate confined space entries to remove power and pilot cables. Then removed pump from tube closed and moved concrete slab back over pump access.

|  |                   |          |       |           |    |          |
|--|-------------------|----------|-------|-----------|----|----------|
| <b>*SUBS</b><br>CRANE CHARGE<br>10/7/2022                | 1                 | 1        | 0     | 2154.0000 | EA | 2,154.00 |
| <b>LAB19</b><br>Crew (2) Prevailing Wage<br>Regular time | 14.5              | 14.5     | 0     | 373.0050  | EA | 5,408.57 |
| Tech   | Description       | Date     | Hours |           |    |          |
| ST32   | Service Van #32   | 10/07/22 | 6.5   |           |    |          |
| ST40   | Service Truck #40 | 10/07/22 | 8     |           |    |          |

-----> Description Of Repair Job B <-----  
Replace Submersible Pump Cable  
-----> Solution Of Repair Job B <-----  
Installed new pump cables and bundled in our shop.

|  |    |    |   |          |    |          |
|--|----|----|---|----------|----|----------|
| <b>940894</b><br>CABLE SUBCAB S12X1.5 29-31MM                | 50 | 50 | 0 | 51.0000  | FT | 2,550.00 |
| <b>941988</b><br>CABLE,SUBCAB 3X120+2G70/<br>2+S(2X0.5) 55MM | 50 | 50 | 0 | 118.0000 | EA | 5,900.00 |
| <b>941988</b><br>CABLE,SUBCAB 3X120+2G70/<br>2+S(2X0.5) 55MM | 50 | 50 | 0 | 118.0000 | EA | 5,900.00 |
| <b>827410</b><br>O-RING NITRILE                              | 2  | 2  | 0 | 8.5000   | EA | 17.00    |
| <b>827494</b><br>O-RING NITRILE                              | 1  | 1  | 0 | 36.0000  | EA | 36.00    |
| <b>827503</b><br>O-RING NITRILE                              | 1  | 1  | 0 | 36.0000  | EA | 36.00    |
| <b>827463</b><br>O-RING NITRILE<br>49.5 X 3.0 NBR            | 1  | 1  | 0 | 5.4000   | EA | 5.40     |

**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

**Invoice**

|                  |          |
|------------------|----------|
| <b>INVOICE #</b> | 1133318  |
| <b>DATE</b>      | 10/27/22 |
| <b>PAGE</b>      | 2 of 5   |



| PRODUCT/DESCRIPTION   | QUANTITY OPEN     | QUANTITY SHIPPED | QUANTITY BACKORDERED | PRICE    | U/M | EXTENSION |
|---|-------------------|------------------|----------------------|----------|-----|-----------|
| <b>841805</b><br>GROMMET 32MM ID 52MM OD 27L  | 2                 | 2                | 0                    | 59.0000  | EA  | 118.00    |
| <b>810828</b><br>GROMMET 57MM ID 90MM OD NBR  | 4                 | 4                | 0                    | 110.0000 | EA  | 440.00    |
| <b>LAB01</b><br>Shop Mechanic<br>Regular time   | 15                | 15               | 0                    | 115.0050 | EA  | 1,725.08  |
| Tech  | Description       | Date             | Hours                |          |     |           |
| ADK   | Andrew Kocanowski | 10/10/22         | 7                    |          |     |           |
| MCK   | Matthew C. Kane   | 10/10/22         | 4                    |          |     |           |
| MCK   | Matthew C. Kane   | 10/14/22         | 3                    |          |     |           |
| MCK   | Matthew C. Kane   | 10/13/22         | 6                    |          |     |           |
| -----> Description Of Repair Job C <-----<br>Install Equipment<br>-----> Solution Of Repair Job C <-----<br>FST 75245 - 10/11/22<br>Upon arrival delivered repaired pump and pulled power and pilot cables into electrical vault. Cleaned out junction box and stripped back cables and installed into junction box with grommeted cord fittings. Crimp connected butt splice 6 power leads and covered with heavy duty shrink wrap. Connected grounds with splice blocks. Checked rotation, clockwise. Instantly getting alarms for stator 1 phase temp and main bearing temp alarms. Checked settings with lap top, all ok. Set trip delay to max 30 seconds, alarm shows the same just higher temps and broken wire. Opened top of pump checked all wiring, all ok. Turned off stator 1 phase temp and main bearing temp alarms. Installed pump in tube and closed up pump access for the night, will return 10/12/22 to finish. |                   |                  |                      |          |     |           |
| FST 74827 - 10/12/22<br>Upon arrival completed installation on pump #1. Crane was on site they removed concrete slab and tube lid. Disconnected all 3 cables and 1 wire rope from Flygt cable support beam. Made entry to properly align and set Klem grips, then set spring tension as per cable support manual. Installed Rox cable seals and tube lid, test ran pump up to full speed, ok no water in the tank. Locked out pump #2, removed concrete slab, cut one 3" E-WYE in wet well and three 3" E-WYE in electrical vault also, cut one 2" for pilot cable. Installed anchors and eye nuts to use come along to pull cables out. Grommeted cord fittings are rotted, air chiseled lock nuts off. Cut out power and ground splices and cleaned out junction box. Removed pump from tube and loaded onto flat bed.  |                   |                  |                      |          |     |           |
| <b>8195K26</b><br>HEAT-SHRINK TUBING 1" ID<br>1/2FT LONG PK/5   | 1                 | 1                | 0                    | 22.2460  | PK  | 22.25     |
| <b>8364100</b><br>TAPE KIT 180MM I.D.   | 1                 | 1                | 0                    | 497.0000 | EA  | 497.00    |
| <b>2KVH8</b><br>Fire Barrier Insulating<br>Spray Foam Sealant Aerosol<br>*** This Product Superceded 48WK19   | 2                 | 2                | 0                    | 25.6060  | EA  | 51.21     |
| <b>4A801</b><br>WIRE PULLING LUBRICANT GREENLE<br>CABLE PULLING LUBE  | 2                 | 2                | 0                    | 20.0000  | EA  | 40.00     |
| <b>8031K33</b><br>COMPRESSION BUTT SPLICE<br>350MCM WIRE  | 2                 | 2                | 0                    | 18.1020  | EA  | 36.20     |

**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

**Invoice**

|                  |          |
|------------------|----------|
| <b>INVOICE #</b> | 1133318  |
| <b>DATE</b>      | 10/27/22 |
| <b>PAGE</b>      | 3 of 5   |



| PRODUCT/DESCRIPTION   | QUANTITY OPEN | QUANTITY SHIPPED | QUANTITY BACKORDERED | PRICE     | U/M | EXTENSION |
|---|---------------|------------------|----------------------|-----------|-----|-----------|
| <b>*SUBS</b><br>CRANE CHARGE<br>10/11/2022  | 1             | 1                | 0                    | 2154.0000 | EA  | 2,154.00  |
| <b>*SUBS</b><br>CRANE OT CHARGES<br>10/11/2022  | 6.5           | 6.5              | 0                    | 318.0000  | EA  | 2,067.00  |
| <b>*SUBS</b><br>CRANE CHARGES<br>10/12/2022   | 1             | 1                | 0                    | 2154.0000 | EA  | 2,154.00  |
| <b>LAB19</b><br>Crew (2) Prevailing Wage<br>Regular time  | 32            | 32               | 0                    | 373.0050  | EA  | 11,936.16 |
| Tech Description Date Hours   |               |                  |                      |           |     |           |
| ST32 Service Van #32  |               |                  |                      |           |     | 13        |
| ST32 Service Van #32  |               |                  |                      |           |     | 8.5       |
| ST40 Service Truck #40  |               |                  |                      |           |     | 9.5       |
| ST32 Service Van #32  |               |                  |                      |           |     | 8         |
| ST40 Service Truck #40  |               |                  |                      |           |     | 8         |
| ST32 Service Van #32  |               |                  |                      |           |     | 8         |
| ST40 Service Truck #40  |               |                  |                      |           |     | 8         |
| <b>LAB20</b><br>Crew (2) Prevailing Wage<br>Overtime  | 12.3          | 12.3             | 0                    | 449.0013  | EA  | 5,522.72  |
| Tech Description Date Hours   |               |                  |                      |           |     |           |
| ST32 Service Van #32  |               |                  |                      |           |     | 5         |
| ST40 Service Truck #40  |               |                  |                      |           |     | 5.3       |
| ST32 Service Van #32  |               |                  |                      |           |     | 0.5       |
| ST40 Service Truck #40  |               |                  |                      |           |     | 1.5       |
| -----> Description Of Repair Job D <-----<br>Replace Submersible Pump Cable<br>-----> Solution Of Repair Job D <-----<br>Installed new pump cables and bundled in our shop. |               |                  |                      |           |     |           |
| <b>941988</b><br>CABLE,SUBCAB 3X120+2G70/<br>2+S(2X0.5) 55MM  | 50            | 50               | 0                    | 118.0000  | EA  | 5,900.00  |
| <b>941988</b><br>CABLE,SUBCAB 3X120+2G70/<br>2+S(2X0.5) 55MM  | 50            | 50               | 0                    | 118.0000  | EA  | 5,900.00  |
| <b>940894</b><br>CABLE SUBCAB S12X1.5 29-31MM   | 50            | 50               | 0                    | 51.0000   | FT  | 2,550.00  |
| <b>827410</b><br>O-RING NITRILE   | 2             | 2                | 0                    | 8.5000    | EA  | 17.00     |
| <b>827494</b><br>O-RING NITRILE   | 1             | 1                | 0                    | 36.0000   | EA  | 36.00     |
| <b>827503</b><br>O-RING NITRILE   | 1             | 1                | 0                    | 36.0000   | EA  | 36.00     |
| <b>827463</b><br>O-RING NITRILE   | 1             | 1                | 0                    | 5.4000    | EA  | 5.40      |

**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

**Invoice**

|                  |          |
|------------------|----------|
| <b>INVOICE #</b> | 1133318  |
| <b>DATE</b>      | 10/27/22 |
| <b>PAGE</b>      | 4 of 5   |



| PRODUCT/DESCRIPTION             | QUANTITY OPEN | QUANTITY SHIPPED | QUANTITY BACKORDERED | PRICE    | U/M | EXTENSION |
|---------------------------------|---------------|------------------|----------------------|----------|-----|-----------|
| 49.5 X 3.0 NBR<br><b>841805</b> | 2             | 2                | 0                    | 59.0000  | EA  | 118.00    |
| GROMMET 32MM ID 52MM OD 27L     |               |                  |                      |          |     |           |
| <b>810828</b>                   | 4             | 4                | 0                    | 110.0000 | EA  | 440.00    |
| GROMMET 57MM ID 90MM OD NBR     |               |                  |                      |          |     |           |
| <b>LAB01</b>                    | 15            | 15               | 0                    | 115.0050 | EA  | 1,725.08  |
| Shop Mechanic<br>Regular time   |               |                  |                      |          |     |           |

-----> Description Of Repair Job E <-----

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.

-----> Solution Of Repair Job E <-----

FST 75247 - 10/17/22

Upon arrival installed pump in tube, bundled at 20", set wire rope and Kellems grip. Adjusted spring tension, pulled cables into electrical vault. Installed 2 new grommeted cord fittings for power cables. Crimped and shrink wrapped 12 power legs. Connected both cable grounds, checked rotation and its clock wise from top which is good. Installed cover on tube and installed pilot cable and connected. Put both pumps in Auto at pump controls, set PLC to alternate, installed concrete slab and cleaned up.

|   |                   |          |       |           |    |          |
|---|-------------------|----------|-------|-----------|----|----------|
| <b>8364100</b>  | 1                 | 1        | 0     | 497.0000  | EA | 497.00   |
| TAPE KIT 180MM I.D.                                   |                   |          |       |           |    |          |
| <b>8364100</b>  | 1                 | 1        | 0     | 497.0000  | EA | 497.00   |
| TAPE KIT 180MM I.D.                                   |                   |          |       |           |    |          |
| <b>2KVH8</b>  | 2                 | 2        | 0     | 25.6060   | EA | 51.21    |
| Fire Barrier Insulating<br>Spray Foam Sealant Aerosol |                   |          |       |           |    |          |
| <b>8031K33</b>  | 12                | 12       | 0     | 18.1020   | EA | 217.22   |
| COMPRESSION BUTT SPLICE<br>350MCM WIRE                |                   |          |       |           |    |          |
| <b>*SUBS</b>  | 1                 | 1        | 0     | 2154.0000 | EA | 2,154.00 |
| CRANE CHARGES<br>10/17/2022                           |                   |          |       |           |    |          |
| <b>*SUBS</b>  | 4                 | 4        | 0     | 318.0000  | EA | 1,272.00 |
| CRANE OT CHARGES<br>10/17/2022                        |                   |          |       |           |    |          |
| <b>LAB19</b>  | 25                | 25       | 0     | 373.0050  | EA | 9,325.13 |
| Crew (2) Prevailing Wage<br>Regular time              |                   |          |       |           |    |          |
| Tech  | Description       | Date     | Hours |           |    |          |
| ST40  | Service Truck #40 | 10/17/22 | 12.5  |           |    |          |

**Continued...**





## HOBOKEN/WEST NEW YORK CORRECTIVE & EMERGENCY MAINTENANCE NOTICE

|                        |             |
|------------------------|-------------|
| Corrective Maintenance | X           |
| Account                | CM.AS.01.00 |

|                       |     |
|-----------------------|-----|
| Emergency Maintenance | X   |
| Over \$15,000         | YES |
| Client contacted      | YES |

|             |          |
|-------------|----------|
| Date        | 12/02/22 |
| Prepared by |          |

|             |             |
|-------------|-------------|
| Project/WO# | HOB-2942363 |
| Department  | Collections |

|               |                 |
|---------------|-----------------|
| Location      | H1 Pump Station |
| Serial Number | N/A             |

|                  |              |
|------------------|--------------|
| Equipment        | Pump cabling |
| Years in Service | 11           |

|                           |                  |
|---------------------------|------------------|
| Equipment Vendor          | Pumping Services |
| Estimated Completion Date | 1 Week           |

|                 |                  |
|-----------------|------------------|
| Estimated Costs | \$80,202.95      |
| Repaired by     | Pumping Services |

| Failure Type/Failure Cause  |
|---|
| Configuration of the below grade electrical vault (junction box) allows water to accumulate water during significant rain events. Water at times contains road salt applied in winter months caused pump cabling to corrode and fail. |

| Proposed Solution/Expected Result  |
|--|
| Install cabling and modify electrical control box to drain prevent water accumulation. |

| Recent Condition Assessment |                 | Recent GM/PM Performed | Is Equipment Operating Under "STRESSED" Conditions? | Typical Life Expectancy (Yrs.) |
|-----------------------------|-----------------|------------------------|---|--------------------------------|
| Date:                       | Result          |                        |   |                                |
|                             | Last Inspection |                        |   |                                |

Range:  
 1 = **Very Good Condition** (Only normal maintenance required)  
 2 = **Minor Defects Only** (Minor maintenance required—5% of the entity needs maintenance.)  
 3 = **Backlog Maintenance Required to Return to Accepted Level of Service** (Significant maintenance required—10 to 20% of the asset needs maintenance.)  
 4 = **Requires Renewal** (Significant renewal/upgrade—20 to 40% of the asset needs renewal.)  
 5 = **Entity Unserviceable** (Over 50% of the entity requires replacement.)

REPAIR URGENCY RATING – check one:

|   |   |  |
|---|---|--|
| x | 1 | Without repair, the permit may not be achieved or there is potential harm to human health or the environment or Operations deems equipment necessary. Why necessary? |
|   | 2 | Permit will be met, but the facility will no longer have needed back-up equipment. All remaining equipment that serves the same function is in fair condition.       |
|   | 3 | Same as 2, but operating equipment that serves the same function is new or permit will be met with equipment in service but process quality will                     |
|   | 4 | Not ultimately required for proper operations and the facility has sufficient back up, the equipment is rarely used, or upgrade will enhance process but is not      |
|   | 5 | Repair will only stop a nuisance.  |

|   |
|---|
| <b>NOTES</b>  |
| Maintenance performed annually by Pumping Services Inc. |

**JACOBS**

|           |              |
|-----------|--------------|
| Signed by | Philip Reeve |
|-----------|--------------|

|      |           |
|------|-----------|
| Date | 12/2/2022 |
|------|-----------|

|             |  |
|-------------|--|
| Approved by |  |
|-------------|--|

|      |  |
|------|--|
| Date |  |
|------|--|

**Mott MacDonald/NHSA**

|           |                      |
|-----------|----------------------|
| Signed by | <i>Kevin P. Wynn</i> |
|-----------|----------------------|

|      |            |
|------|------------|
| Date | 12/13/2022 |
|------|------------|

|             |                      |
|-------------|----------------------|
| Approved by | <i>Kevin P. Wynn</i> |
|-------------|----------------------|

|      |            |
|------|------------|
| Date | 12/13/2022 |
|------|------------|

|                                  |
|----------------------------------|
| <b>Mott MacDonald/NHSA NOTES</b> |
|                                  |





AN **IPS** COMPANY

18 SEBAGO ST., CLIFTON, NJ 07013  
 TEL: (973) 471-2600 FAX: (973) 471-4633

# Invoice

Customer Number

OMI

Contact

Invoice Number

FSR18600

Order Date

9/13/2022

Shipped Date

9/22/2022

Invoice Date

9/27/2022

**Bill To**

OMI - Operations Management International Inc  
 125 Broadway Avenue  
 Oak Ridge, TN 37830

**Ship To**

OMI - Jacobs  
 5th Street & River Road  
 Hoboken, NJ 07030

Ship Via

PEMW Delivery

Terms

Net 30

Received By

Customer

Customer PO

Joe Micca

Original Order #

FSR8920

|  | Qty | Ship | Description | Sales Price | Total |
|--|-----|------|-------------|-------------|-------|
|--|-----|------|-------------|-------------|-------|

|  |  |  |  |  |           |
|--|--|--|--|--|-----------|
| 9/13/22 3:30 pm call to send PEMW service crew and crane truck to remove (2) submersible pumps and deliver back to the shop for the following scope. Both pumps disassembled and evaluated. <<< EMERGENCY SERVICE PROVIDED >>> DISASSEMBLE, CLEAN, INSPECT, COMPLETE ELECTRICAL TESTING, SAND BLAST, STEAM CLEAN, MICRON METER CHECK BEARING HOUSINGS & LANDINGS FOR PROPER FIT & TOLERANCE, WASH & BAKE STATOR, REINSULATE WINDINGS, BALANCE ROTOR, FURNISH & INSTALL NEW BEARINGS, ABS REBUILD KIT- NEW UPPER AND LOWER MECHANICAL SEALS SUPPLIED BY CUSTOMER>>> SECOND PUMP REPAIR BROKEN SHAFT AND REWIND STATOR WITH COMPLETE REBUILD MECHANICAL SEALS, BEARINGS, O-RINGS ECT. REASSEMBLE, TEST & PAINT INSTALL 9/19/22 |  |  |  |  | 31,596.00 |
|--|--|--|--|--|-----------|

**A Restocking Fee May Apply on Returned Items.**  
**Past due amounts are subject to a 3.00% service charge per month.**

|                       |                  |
|-----------------------|------------------|
| Subtotal:             | 31,596.00        |
| Freight:              | 0.00             |
| Other:                | 0.00             |
| 0.0000 % Sales Tax 1: | 0.00             |
| 0.0000 % Sales Tax 2: | 0.00             |
| <b>Total:</b>         | <b>31,596.00</b> |

**Thank You**

Our Tax ID: 223645734

Your Tax ID: 930-784-940/000

Sales Tax Code 1: No Sales Tax



HOBOKEN/WEST NEW YORK  
CORRECTIVE & EMERGENCY MAINTENANCE NOTICE

|                        |             |
|------------------------|-------------|
| Corrective Maintenance | X           |
| Account                | CM.AS.01.00 |

|                       |     |
|-----------------------|-----|
| Emergency Maintenance | X   |
| Over \$15,000         | YES |
| Client contacted      | NO  |

|             |           |
|-------------|-----------|
| Date        | 09/26/22  |
| Prepared by | Joe Micca |

|             |                        |
|-------------|------------------------|
| Project/WO# | #2-2947837, #3-2946802 |
| Department  | Collections            |

|               |           |
|---------------|-----------|
| Location      | 5th St PS |
| Serial Number |           |

|                  |                     |
|------------------|---------------------|
| Equipment        | ABS pumps #2 and #3 |
| Years in Service | 8                   |

|                           |        |
|---------------------------|--------|
| Equipment Vendor          | ABS    |
| Estimated Completion Date | 1 Week |

|                 |                 |
|-----------------|-----------------|
| Estimated Costs | \$31,596.00     |
| Repaired by     | precision motor |

| Failure Type/Failure Cause  |
|---|
| Found Pump #2 had tripped and would not reset, checked motor and found had checked out bad and needs repairs, Found pump #3 not pumping and after troubleshooting found the shaft had broken and needs repair |

| Proposed Solution/Expected Result  |
|--|
| Pump #2 rebuild, new bearing, wash and baked stator, reinsulated windings and tested for proper operation, Pump #3 repaired broken shaft, rebuild kit with new mechanicals seals, bearings and test for proper operation |

| Recent Condition Assessment |                 | Recent GM/PM Performed | Is Equipment Operating Under "STRESSED" Conditions? | Typical Life Expectancy (Yrs.) |
|-----------------------------|-----------------|------------------------|---|--------------------------------|
| Date:                       | Result          |                        |   |                                |
|                             | Last Inspection |                        |   |                                |

Range:  
 1 = **Very Good Condition** (Only normal maintenance required)  
 2 = **Minor Defects Only** (Minor maintenance required—5% of the entity needs maintenance.)  
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 4 = **Requires Renewal** (Significant renewal/upgrade—20 to 40% of the asset needs renewal.)  
 5 = **Entity Unserviceable** (Over 50% of the entity requires replacement.)

REPAIR URGENCY RATING – check one:

|   |   |  |
|---|---|--|
|   | 1 | Without repair, the permit may not be achieved or there is potential harm to human health or the environment or Operations deems equipment necessary. Why necessary? |
| X | 2 | Permit will be met, but the facility will no longer have needed back-up equipment. All remaining equipment that serves the same function is in fair condition.       |
|   | 3 | Same as 2, but operating equipment that serves the same function is new or permit will be met with equipment in service but process quality will deteriorate         |
|   | 4 | Not ultimately required for proper operations and the facility has sufficient back up, the equipment is rarely used, or upgrade will enhance process but is not      |
|   | 5 | Repair will only stop a nuisance.  |

|       |
|-------|
| NOTES |
|       |

**JACOBS**

|           |              |
|-----------|--------------|
| Signed by | Philip Reeve |
|-----------|--------------|

|      |           |
|------|-----------|
| Date | 9/29/2022 |
|------|-----------|

|             |             |
|-------------|-------------|
| Approved by | Mark Berube |
|-------------|-------------|

|      |           |
|------|-----------|
| Date | 10/3/2022 |
|------|-----------|

**Mott MacDonald/NHSA**

|           |                      |
|-----------|----------------------|
| Signed by | <i>Kevin P. Wynn</i> |
|-----------|----------------------|

|      |            |
|------|------------|
| Date | 10/10/2022 |
|------|------------|

|             |                      |
|-------------|----------------------|
| Approved by | <i>Kevin P. Wynn</i> |
|-------------|----------------------|

|      |            |
|------|------------|
| Date | 10/10/2022 |
|------|------------|

|                           |
|---------------------------|
| Mott MacDonald/NHSA NOTES |
|                           |

# Rapid Pump & Meter Service Co., Inc.



Ph: 973.345.5600  
 Fx: 973.345.0301  
 www.rapidservice.com

285 Straight Street Paterson, NJ 07501  
 Remit to: PO Box AY  
 Paterson, NJ 07509

# Invoice

Direct Ship

Customer Number

100012

Invoice Number

RSRI65280

Contact

Dejan Davidovic

Order Date

10/7/2021

Shipped Date

9/30/2022

Invoice Date

9/30/2022

Bill To:

OMI  
 Attn: Accounts Payable  
 P.O. Box 241329  
 DENVER, CO 80224

Ship To:

18th Street Pump Station  
 18th Street  
 WEEHAWKEN, NJ 07086

Ship Via

Terms

Net 10

Received By

Customer PO

PO#

Original Order #

RS63358

| Product ID  | Qty  | Ship | Description | Sales Price | Total     |
|-------------|------|------|-------------|-------------|-----------|
| Labor       | 99.5 | 99.5 | Hours @ ST  | 129.75      | 12,910.13 |
| Labor       | 7.25 | 7.25 | Hours @ OT  | 194.63      | 1,411.07  |
| Mileage RPM | 5    | 5    | Trip        | 75.00       | 375.00    |
|             | 1    | 1    | Materials:  | 1,091.16    | 1,091.16  |

**Required Work:** 9/19/22-9/26/22

Perform Preventative Maintenances as directed by customer.

A 1.5% Per Month Interest Fee Will Be Assessed For Past Due Invoices.

Subtotal: 15,787.36

Freight: 0.00

Other: 0.00

0.0000 % Sales Tax 1: 0.00

0.0000 % Sales Tax 2: 0.00

TAX EXEMPT Total: 15,787.36

**Thank You!!**

Our Tax ID:

Your Tax ID:



HOBOKEN/WEST NEW YORK  
CORRECTIVE & EMERGENCY MAINTENANCE NOTICE

|                        |             |
|------------------------|-------------|
| Corrective Maintenance | X           |
| Account                | CM.AS.01.00 |

|                       |     |
|-----------------------|-----|
| Emergency Maintenance | X   |
| Over \$15,000         | YES |
| Client contacted      | NO  |

|             |           |
|-------------|-----------|
| Date        | 09/30/22  |
| Prepared by | Joe Micca |

|             |             |
|-------------|-------------|
| Project/WO# | HOB-2966261 |
| Department  | Collections |

|               |            |
|---------------|------------|
| Location      | 18th St PS |
| Serial Number |            |

|                  |           |
|------------------|-----------|
| Equipment        | Barscreen |
| Years in Service | 20        |

|                           |        |
|---------------------------|--------|
| Equipment Vendor          |        |
| Estimated Completion Date | 1 week |

|                 |             |
|-----------------|-------------|
| Estimated Costs | \$15,787.36 |
| Repaired by     | Rapid Pump  |

| Failure Type/Failure Cause  |
|---|
| Barscreen is skipping as it is pulling up debris and making banging sounds while in operation |

| Proposed Solution/Expected Result   |
|---|
| Make Adjustments to chain, flights and balance the gears and shaft, test for proper operation |

| Recent Condition Assessment |                 | Recent GM/PM Performed | Is Equipment Operating Under "STRESSED" Conditions? | Typical Life Expectancy (Yrs.) |
|-----------------------------|-----------------|------------------------|---|--------------------------------|
| Date:                       | Result          |                        |   |                                |
|                             | Last Inspection |                        |   |                                |

Range:  
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REPAIR URGENCY RATING – check one:

|   |   |  |
|---|---|--|
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|   | 5 | Repair will only stop a nuisance.  |

|       |
|-------|
| NOTES |
|       |

**JACOBS**

|           |              |
|-----------|--------------|
| Signed by | Philip Reeve |
|-----------|--------------|

|      |            |
|------|------------|
| Date | 11/21/2022 |
|------|------------|

|             |             |
|-------------|-------------|
| Approved by | Mark Berube |
|-------------|-------------|

|      |            |
|------|------------|
| Date | 11/21/2022 |
|------|------------|

**Mott MacDonald/NHSA**

|           |               |
|-----------|---------------|
| Signed by | Kevin P. Wynn |
|-----------|---------------|

|      |            |
|------|------------|
| Date | 11/23/2022 |
|------|------------|

|             |               |
|-------------|---------------|
| Approved by | Kevin P. Wynn |
|-------------|---------------|

|      |            |
|------|------------|
| Date | 11/23/2022 |
|------|------------|

|                           |
|---------------------------|
| Mott MacDonald/NHSA NOTES |
|                           |

# ORDER ACKNOWLEDGEMENT

00040594



**Sold From:**  
 AMERICAN HOSE & HYDRAULICS CO. INC  
 700 21st AVENUE  
 PATERSON NJ 07513  
 USA

**DONE** 05-25-22

|              |                  |             |
|--------------|------------------|-------------|
| Ship Method  | FOB              | Customer PO |
| Pick Up      | Shipping point   | 432899      |
| Written By   | Selling Location | Mark Number |
| TONY ALVAREZ | PT001            |             |

**A**  
**C**  
**K**  
**T**  
**O**  
 OMI, INC. (ST-13) / CH2M HILL  
 1600 ADAMS STREET  
 HOBOKEN NJ 07030  
 USA

**COPY**

**S**  
**H**  
**I**  
**P**  
**T**  
**O**  
 OMI, INC. (ST-13) / CH2M HILL  
 1600 ADAMS STREET  
 HOBOKEN NJ 07030  
 USA

Phone: (201) 795-1411

Fax: (201) 420-6917

Phone: (201) 795-1411

Fax: (201) 420-6917

|            |                       |               |
|------------|-----------------------|---------------|
| Order Date | Terms of Payment      | Freight Terms |
| 5/25/2022  | CREDIT CARD - ON FILE | Prepaid       |

| LINE          | ITEM DESCRIPTION  | DATE REQ'D PROMISED  | SHIP TO ARRIVE SHIP COMPLETE | QUANTITY UOM | PRICE EACH EXTENDED    |
|---------------|---|----------------------|------------------------------|--------------|------------------------|
| 0010          | FAB-NONSTOCK<br>NON-STOCK ITEM; FAB SHOP<br><br>CUSTOM SCRAPER BAR .075" X 4" X 93-1/2"<br>AAS PER SAMPLE       | 3/4/2022<br>3/4/2022 | ASAP<br>Partials OK          | 6.00<br>EA   | 1,269.7100<br>7,618.26 |
| 0020          | SHOP SUPPLIES<br>SHOP SUPPLIES / ENVIRONMENTAL FEE  | 3/4/2022<br>3/4/2022 | ASAP<br>Partials OK          | 1.00<br>EA   | 15.0000<br>15.00       |
| 0030          | FAB-NONSTOCK<br>PREP, PRIME, & PAINTING.<br>OF SCRAPER BARS.<br>ADDITIONAL WORK REQUESTED AFTER ORIGINAL QUOTE. | 3/4/2022<br>3/4/2022 | ASAP<br>Partials OK          | 6.00<br>EA   | 140.1600<br>840.96     |
| Total Price:  |   |                      |                              |              | 8,474.22               |
| Est Tax:      |   |                      |                              |              | 0.00                   |
| Est Freight:  |   |                      |                              |              | 0.00                   |
| <b>TOTAL:</b> |   |                      |                              |              | <b>8,474.22</b>        |

\*A MIN OF \$100 CHARGED ON ALL ESTIMATES FOR DISASSEMBLY & INSPECTION  
 \*NOT RESPONSIBLE FOR ITEMS LEFT AFTER 90 DAYS.  
 \*NO REFUNDS AFTER 30 DAYS.  
 \*A 20% RESTOCKING FEE WILL BE APPLIED FOR RETURNS.  
 \*I AGREE TO BE BOUND BY THE TERMS & CONDITIONS LISTED AT AMERIC

Received by: Print Name

Date & Time:

Signature:

Questions? Phone: 973-684-3225 Fax: 973-684-3789

American Hose & Hydraulics  
 700 21st Ave  
 Paterson, NJ 07513  
 (973) 684-3225

05/27/2022 12:02:49  
 Terminal SN: 2L860296

Credit Sale:  
 Transaction #: 3  
 Card type: Visa  
 Account: \*\*\*\*\*6549  
 Entry: Manual

Amount: USD \$8,474.22

Ref. Number: 643313343  
 Auth. Code: 098681  
 Batch Number: 749  
 Response: Approved  
 AFS Response: Z  
 CYD Response: H - Match

CUSTOMER COPY

# ORDER ACKNOWLEDGEMENT

00040599



**DONE** 05-25-22

**Sold From:**  
 AMERICAN HOSE & HYDRAULICS CO. INC  
 700 21st AVENUE  
 PATERSON NJ 07513  
 USA

|                 |                  |             |
|-----------------|------------------|-------------|
| Ship Method     | FOB              | Customer PO |
| Pick Up         | Shipping point   | 432899      |
| Written By      | Selling Location | Mark Number |
| CARLOS GONZALEZ | PT001            |             |

**A**  
**C**  
**K**  
**T**  
**O**  
 OMI, INC. (ST-13) / CH2M HILL  
 1600 ADAMS STREET  
 HOBOKEN NJ 07030  
 USA

Phone: (201) 795-1411

Fax: (201) 420-6917

**S**  
**H**  
**I**  
**P**  
**T**  
**O**  
 OMI, INC. (ST-13) / CH2M HILL  
 ATTN: ALEXIS (201)442-9283  
 1600 ADAMS STREET  
 HOBOKEN NJ 07030  
 USA

Phone: (201) 795-1411

Fax: (201) 420-6917

**COPY**

**COPY**

|            |                       |                          |
|------------|-----------------------|--------------------------|
| Order Date | Terms of Payment      | Freight Terms            |
| 5/25/2022  | CREDIT CARD - ON FILE | Prepaid <u>148035503</u> |

| LINE | ITEM DESCRIPTION  | DATE REQ'D PROMISED    | SHIP TO ARRIVE SHIP COMPLETE | QUANTITY UOM | PRICE EACH EXTENDED    |
|------|---|------------------------|------------------------------|--------------|------------------------|
| 0010 | FAB-NONSTOCK<br>NON-STOCK ITEM; FAB SHOP<br>CUSTOM SCRAPER BAR .075" X 4" X 93-1/2"<br>AS PER SAMPLE            | 4/14/2022<br>4/14/2022 | ASAP<br>Partials OK          | 6.00<br>EA   | 1,269.7100<br>7,618.26 |
| 0020 | SHOP SUPPLIES<br>SHOP SUPPLIES / ENVIRONMENTAL FEE  | 4/14/2022<br>4/14/2022 | ASAP<br>Partials OK          | 1.00<br>EA   | 15.0000<br>15.00       |
| 0030 | FAB-NONSTOCK<br>PREP, PRIME, & PAINTING.<br>OF SCRAPER BARS.<br>ADDITIONAL WORK REQUESTED AFTER ORIGINAL QUOTE. | 4/14/2022<br>4/14/2022 | ASAP<br>Partials OK          | 6.00<br>EA   | 140.1600<br>840.96     |

|               |                 |
|---------------|-----------------|
| Total Price:  | 8,474.22        |
| Est Tax:      | 0.00            |
| Est Freight:  | 0.00            |
| <b>TOTAL:</b> | <b>8,474.22</b> |

\*A MIN OF \$100 CHARGED ON ALL ESTIMATES FOR DISASSEMBLY & INSPECTION  
 \*NOT RESPONSIBLE FOR ITEMS LEFT AFTER 90 DAYS.  
 \*NO REFUNDS AFTER 30 DAYS.  
 \*A 20% RESTOCKING FEE WILL BE APPLIED FOR RETURNS.  
 \*I AGREE TO BE BOUND BY THE TERMS & CONDITIONS LISTED AT AMERICANH

Received by: Print Name

Date & Time:

Signature:

Questions? Phone: 973-684-3225 Fax: 973-684-3789

AMERICAN HOSE AND HYDRAULICS  
 700 21ST AVE  
 PATERSON, NJ 07513  
 973-684-3225

05/27/2022  
 Terminal SN: 2N147497  
 12:06:24

Credit Sale:

Transaction #: 2  
 Card Type: Visa  
 Account: \*\*\*\*\*6549  
 Entry: Manual

Amount: USD \$8,474.22

Ref. Number: 643327355  
 Auth. Code: 050717  
 Batch Number: 198  
 Response: Approved  
 AVS Response: Z  
 CVD Response: M - Match

CUSTOMER COPY





HOBOKEN/WEST NEW YORK  
CORRECTIVE & EMERGENCY MAINTENANCE NOTICE

|                        |             |
|------------------------|-------------|
| Corrective Maintenance | X           |
| Account                | CM.AS.01.00 |

|                       |     |
|-----------------------|-----|
| Emergency Maintenance |     |
| Over \$15,000         | YES |
| Client contacted      | NO  |

|             |              |
|-------------|--------------|
| Date        | 03/03/22     |
| Prepared by | Joseph Micca |

|             |             |
|-------------|-------------|
| Project/WO# | 2870734     |
| Department  | Collections |

|               |            |
|---------------|------------|
| Location      | 18th St PS |
| Serial Number |            |

|                  |                           |
|------------------|---------------------------|
| Equipment        | 18th St barcreens flights |
| Years in Service | 25                        |

|                           |               |
|---------------------------|---------------|
| Equipment Vendor          | American Hose |
| Estimated Completion Date |               |

|                 |                   |
|-----------------|-------------------|
| Estimated Costs | \$15,266.52       |
| Repaired by     | Collections Dept. |

| Failure Type/Failure Cause   |
|--|
| Scrapers for barscreen are worn and are not removing debris at its full capacity |

| Proposed Solution/Expected Result   |
|---|
| Make full set of new scrapers and install on barscreen and test for proper operation, resulting in barscreen removing more debris from wet well |

| Recent Condition Assessment |                 | Recent GM/PM Performed | Is Equipment Operating Under "STRESSED" Conditions? | Typical Life Expectancy (Yrs.) |
|-----------------------------|-----------------|------------------------|---|--------------------------------|
| Date:                       | Result          |                        |   |                                |
|                             | Last Inspection |                        |   |                                |

- Range:
- 1 = **Very Good Condition** (Only normal maintenance required.)
  - 2 = **Minor Defects Only** (Minor maintenance required—5% of the entity needs maintenance.)
  - 3 = **Backlog Maintenance Required to Return to Accepted Level of Service** (Significant maintenance required—10 to 20% of the asset needs maintenance.)
  - 4 = **Requires Renewal** (Significant renewal/upgrade—20 to 40% of the asset needs renewal.)
  - 5 = **Entity Unserviceable** (Over 50% of the entity requires replacement.)

REPAIR URGENCY RATING – check one:

|   |   |  |
|---|---|--|
|   | 1 | Without repair, the permit may not be achieved or there is potential harm to human health or the environment or Operations deems equipment necessary. Why necessary? |
| X | 2 | Permit will be met, but the facility will no longer have needed back-up equipment. All remaining equipment that serves the same function is in fair condition.       |
|   | 3 | Same as 2, but operating equipment that serves the same function is new or permit will be met with equipment in service but process quality will                     |
|   | 4 | Not ultimately required for proper operations and the facility has sufficient back up, the equipment is rarely used, or upgrade will enhance process but is not      |
|   | 5 | Repair will only stop a nuisance.  |

**NOTES**  
 This barscreen is in service screening both sanitary and combined sewer flows to 18th Street pump station. The rakes are now severely worn and do not efficiently remove solid material from the screens.

**JACOBS**

Signed by Philip Reeve

Date 3/24/2022

Approved by Philip Reeve

Date 3/24/2022

**Mott MacDonald/NHSA**

Signed by *Kevin P. Wynn*

Date 4/1/2022

Approved by *Kevin P. Wynn*

Date 4/1/2022

**Mott MacDonald/NHSA NOTES**



# PSI

## Pumping Services, Inc.

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

### PROCESS

www.psiprocess.com

Employee Owned

Electrical Contractor Bus. Permit #34EB01825300

## Invoice Reprint

|           |          |
|-----------|----------|
| INVOICE # | 1131574  |
| DATE      | 07/26/22 |
| PAGE      | 1 of 2   |



#### BILL TO

001331  
CH2M HILL / OMI, Inc.  
ATTN:Accounts Payable  
9191 South Jamaica Street  
Englewood, CO 80112

#### SHIP TO

PIPOA #3  
Port Imperial PS#3  
Port Imperial Boulevard  
Weehawkin, NJ 07086

**PAST DUE**

|                         |                                      |  |              |
|-------------------------|--------------------------------------|--|--------------|
| ORDER NUMBER<br>S75150  | PAYMENT TERMS<br>Net 30 Days Pending | CUSTOMER P/O NUMBER<br>JOSEPH MICCA      | INSTRUCTIONS |
| WRITTEN BY<br>Dan Sarao | CONTACT<br>Joseph Micca              | SHIP VIA<br>OUR TRUCK - PICK-UP REQUIRED |              |

| PRODUCT/DESCRIPTION | QUANTITY OPEN | QUANTITY SHIPPED | QUANTITY BACKORDERED | PRICE | U/M | EXTENSION |
|---------------------|---------------|------------------|----------------------|-------|-----|-----------|
|---------------------|---------------|------------------|----------------------|-------|-----|-----------|

Model : CP3231/615FMFVFLS  
CP 460V 630 90HP 40'  
Serial#: 3231.615-0211111  
-----> Description Of Repair Job A <-----  
ESTIMATE  
-----> Solution Of Repair Job A <-----  
Estimate.

-----> 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

**19,984.00**

|   |   |   |   |
|---|---|---|---|
| 850451                                  | 1 | 1 | 0 |
| ROLLER BEARING                          |   |   |   |
| 833616                                  | 1 | 1 | 0 |
| BEARING BALL                            |   |   |   |
| 824633                                  | 1 | 1 | 0 |
| ROLLER BEARING C                        |   |   |   |
| 835748                                  | 1 | 1 | 0 |
| BEARING, ROLLER SNGL ROW                |   |   |   |
| 841934                                  | 4 | 4 | 0 |
| GROMMET 42MM ID 70MM OD 33L             |   |   |   |
| 841801                                  | 2 | 2 | 0 |
| GROMMET 21MM ID 52MM OD 26L             |   |   |   |
| 8199900                                 | 1 | 1 | 0 |
| TERMINAL BOARD UNIT                     |   |   |   |
| CONSISTING OF: (6) 820051 HEX.SOCKET HD |   |   |   |

**Continued...**

