

PORT ST. LUCIE CITY COUNCIL
AGENDA ITEM REQUEST

COUNCIL ITEM - 75
DATE 6/25/12

Meeting Date: June 25, 2012

Public Hearing ___ Ordinance ___ Resolution ___ Motion **X**

Item: Contract #20120004 – Furnish a 2,100 GPM Injection Well Pump and Motor.

Recommended Action:

Approval to purchase from Atlantic Environmental Systems, Inc. one (1) 2,100 GPM Injection Well Pump and Motor in the amount of \$ 45,990.00; plus an Indemnification Fee of \$10.00 for a total of \$46,000.

Exhibits: Department memo attached [X] yes

Copies of the Bid tabulation Report, Specifications, and the submitted Bid Reply Sheet.

Summary Explanation/Background Information:

A pump and motor were required to re-rate Westport Wastewater effluent injection deep injection well to 12.0 mgd by FDEP. OMB posted a solicitation for sealed bids on Demand Star on April 9, 2012 with a due date of April 25, 2012. Three hundred seventy (370) suppliers were notified, twenty-three downloaded the specifications and four (4) responses were received:

- | | | |
|----|--------------------------------------|----------|
| 1. | Atlantic Environmental Systems, Inc. | \$46,000 |
| 2. | Layne Christensen Company | \$63,347 |
| 3. | R.C. Beach & Associates | \$69,923 |
| 4. | Rowe Drilling Company, Inc. | \$64,870 |

After review of all submittals, Utility Systems recommends purchasing the pump and motor from Atlantic Environmental Systems, Inc. for a total cost of \$46,000, which includes the cost of the pump @ \$45,990, plus an Indemnification Fee of \$10.00.

Department requests expenditure from the following:

Fund	438	Water & Sewer Renewal & Replacement
Cost Center	3512	Westport Waste Water Plant
Object Code	563000	Improvements Other Than Buildings
Project	00000	

Director of OMB concurs with award: 

City Manager concurs with award: 

RECEIVED

Submitted by: Jesus Merejo

Title: Utility Systems Dept. Director

Date Submitted: JUN 18 2012
June 18, 2012

City manager's Office

INTEROFFICE MEMORANDUM

TO: Cheryl Shanaberger, MPA, CPPO Deputy Director of OMB
FROM: Jesus A. Merejo, Utility Systems Department Director
SUBJECT: Westport WWTF Injection Well Pump No. 5 – Pump Purchase
DATE: June 11, 2012

Background: The City's Westport Wastewater Treatment Facility (WWTF) has a permitted treatment capacity of 6 MGD. Typically, the plant treats raw wastewater to meet State of Florida reuse water quality standards. Reuse quality water produced at the plant is sold to several locations within the City that are permitted to accept reuse water for irrigation. However, during wet weather periods when the permitted locations have no need for irrigation water, the effluent water is disposed of down an on-site injection well.

WWTF Deep Injection Well: The Westport injection well system currently has a permitted capacity of 9 MGD. Flow spikes at the plant occasionally exceed this capacity and the abilities of the four existing pumps.

Proposed Project: The purpose of this project is to purchase a fifth pump for the Westport Wastewater Treatment Facility's (WWTF) injection well pumping station. The addition of this pump will allow the system to be re-permitted to operate at 12.0 MGD. Purchase of this pump will also add to the redundancy and reliability of the Westport WWTF.

Bids for purchase of the pump were collected by the City's Office of Management and Budget (OMB) and include the following:

Pump Representative	Pump Manufacturer	Bid Amount - \$
Atlantic Environmental Systems, Inc.	Hydroflo	\$46,000
Rowe Drilling Company, Inc.	Peerless Pump	\$64,870
Layne Christensen Company	Pump Flo-Christensen	\$63,347
R.C. Beach & Associates, Inc.	Weir-Floway	\$69,923

Cheryl Shanabarger
June 8, 2012

After extensive review of all bid submittals, it is the recommendation of the Utility Systems Department that the purchase of the pump be awarded to Atlantic Environmental Systems Inc. for \$46,000. The scope of this award will include:

- Purchase of the pumps
- Shop drawing submittals
- Factory witness testing
- Certified pump curves
- Delivery of the pump to the site

Off loading of the pump and installation will be under another contract.

Funds for this project are available under 438-3512-563000-00000.

If you have any questions, or need additional information, please let me know.

Attachments: *City of Port St. Lucie, Westport Injection Well Pump No. 5 – Pump Purchase OMB Bid Tabulation*

c: Bradley E. Macek, Assistant Utility Systems Director
Laney Southerly, P.E., Engineering Manager
Jeanette Thompson, Manager of Budget and Procurement
Richard M. Schoenborn, P.E., Civil Engineer
File: 18.0005

User: Quintana, CPPB, Helen Organization: City of Port St. Lucie - Office of Management and Budget Logout



My DemandStar Buyers Account Info
 Log Bid [View Bids] Log Quote View Quotes Supplier Search Build Broadcast List Reports

Tabulation Sheet

Agency Name City of Port St. Lucie - Office of Management and Budget
 Bid Number EBID:201200040-2012/HQ
 Bid Name FURNISH A 2-100 GPM INJECTION WELL PUMP AND MOTOR
 Bid Due Date 4/25/2012 3:00:00 PM Eastern time
 Bid Opening Closed

4 total responses found.

online, offline, not submitted

Company ▲	Responded	Address	Bid Amt	Alt Bid Amt	Documents
Complete					
1. Atlantic Environmental Systems, Inc.	4/25/2012 2:52:39 PM	2244 4th Ave. North Lake Worth, FL 33461	\$46,000.00		Bid Reply Checklist Drug Free Workplace Form Current Certificate of Insurance License/Certification to do Descri E-Bid Reply Excel Spreadsheet E-Bid Bond - 5%
2. Layne Christensen Company	4/25/2012 1:30:04 PM	5061 Lockett Road Fort Myers, FL 33905	\$63,347.00		Bid Reply Checklist Drug Free Workplace Form Current Certificate of Insurance License/Certification to do Descri E-Bid Reply Excel Spreadsheet E-Bid Bond - 5%
3. R.C. Beach & Assoc.	4/25/2012 1:21:39 PM	539 San Christopher Drive Dunedin, FL 34698	\$69,923.00		Bid Reply Checklist Drug Free Workplace Form Current Certificate of Insurance License/Certification to do Descri E-Bid Reply Excel Spreadsheet E-Bid Bond - 5%
4. Rowe Drilling Company, Inc.	4/25/2012 2:51:54 PM	7584 W. Tennessee St Tallahassee, FL 32304	\$64,870.00		Bid Reply Checklist Drug Free Workplace Form Current Certificate of Insurance

						License/Certification to do Descri E-Bid Reply Excel Spreadsheet E-Bid Bond - 5%
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<< Return.

Manage Bid Tabulation

Planholder Responses



When adding a manual response, you can select a vendor off the Planholders List or add a new vendor.

(Select a Planholder)



Add a Planholder

Edit Planholders...

Publish Tabulation Sheet

Once you have reviewed the tabulation sheet details, you may create a downloadable PDF version.



Include Non-Compliant Supplier details

Publish as PDF **Bid Documents...**

E-BID REPLY EXCEL SPREADSHEET
E-BID #20120004
FURNISH A 2,100 GPM INJECTION WELL PUMP AND MOTOR

COMPANY NAME: ATLANTIC ENVIRONMENTAL SYSTEMS, INC.

	Description	Quantity	Units	Unit Cost	Total Cost
1	Pumping Unit: Furnish and deliver one vertical turbine pumping unit, complete with shop drawings, operations and maintenance manuals, pump, column, discharge head, electric motor, coatings, factory testing, shop drawing submittals, certifications, warranties, electrical connections, and all other, submittals, inspections, equipment and appurtenances stated or implied, all in accordance with the contract documents, for an assembled, complete and continuous, outdoor operation ready, pumping unit.	1	LS	\$45,990.00	\$45,990.00
2	Pumping Unit Startup, Field Testing, and Training, including vibration and sound level readings, in accordance with the contract documents.	1	Day	\$0.00	\$0.00
3	Indemnification Fee	1	LS	\$10.00	\$10.00

Total Bid Amount (In Numbers): \$46,000.00

Total Forty-six thousand dollars, and zero cents.

Bid Reply Sheet
Bid # 20120004
GPM 2.1 Pump & Motor

1. **COMPANY NAME:** ATLANTIC ENVIRONMENTAL SYSTEMS, INC.
DIVISION OF: N/A
PHYSICAL ADDRESS: 2244 4th AVE NORTH
MAILING ADDRESS: SAME
CITY, STATE, ZIP CODE: LAKE WORTH, FL 33461
TELEPHONE NUMBER: (561) 547-8080 **FAX NO:** (561) 547-3999
CONTACT PERSON: MR. C. KERRY PRUGH **E-MAIL:** gescompany@aol.com

2. **ORGANIZATIONAL PROFILE:** (complete all appropriate information)

Is the firm incorporated? Yes No If yes, in what state? FLORIDA

DAVID J. DUBBERLY
 President
C. KERRY PRUGH
 Vice-President

 Treasurer

How long in present business: SINCE 1992 How long at present location: 6 MONTHS
(BOUGHT BUILDING OCT, 2011)

Is firm a minority business: Yes No Does firm have a drug-free workplace program: Yes No
 If no, is your company planning to implement such a program? _____

3. **ADDENDUM ACKNOWLEDGMENT:** Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued
1	APR. 17, 2012
2	APR. 19, 2012
3	APR. 24, 2012

4. **VENDOR'S LIST:** If your company offers commodities other than the one specified for this bid, and you wish to be put on the vendor's list, please contact Onvia.com at (800) 711-1712. Bid Tabulation Reports are advertised on the City's Web Site at www.Cityofpsl.com.

5. BID RESPONSE:

5.1 Bidder will (will not) accept the Purchasing Card (Visa).
(please circle one)

5.2 Percentage of discount when payment is made with Visa: 0 %

5.3 Bid Reply Sheet Total \$ 45,990

5.4 Delivery time 65-80 days after receipt of order.

6. INSURANCE CERTIFICATE LICENSE - Bidders are required, in accordance with Section 5, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain. Bidders are required to submit all licenses and certifications required to perform this project.

7. COMPLETION OF FORM - An authorized representative of the firm offering this Bid must complete this form in its entirety. Prices entered herein shall not be subject to withdrawal or escalation by Bidder. The City reserves the right to hold proposals and bid guarantees for a period not to exceed 90 days after the date of the bid opening stated in the Invitation to Bid before awarding the Bid. Bid award constitutes the date that City Council executes the motion to award the bid.

8. CONTRACT - Bidder agrees to comply with all requirements stated in the specifications for this bid.

9. CERTIFICATION

This bid is submitted by: Name (print) MR. C. KERRY PRUGH who is an officer of the above firm duly authorized to sign bids and enter into Contracts. I certify that this bid is made without prior understanding, contract, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this bid.

C. Kerry Prugh
Signature

APR 25/2012
Date

11. Is Bidder related to any City Employee? NO

C. Kerry Prugh
Signature

VICE PRES.
Title

If a corporation renders this Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this Bid shall attach to this form evidence of legal authority.

(seal)

Reference Checked	<input type="checkbox"/>
Clerk Checked	<input type="checkbox"/>



ATLANTIC
ENVIRONMENTAL
SYSTEMS, INC.



TO: City of Pt. St. Lucie

DATE: April 25, 2012

REF: Evidence of Authority to Sign Bid

PLEASE ALLOW THIS TO CONFIRM THAT MR. C. KERRY PRUGH IS AUTHORIZED TO SIGN THE ATTACHED BID # 2012004 FOR 2,100 GPM INJECTION WELL PUMP AND MOTOR.

DAVID J. DUBBERLY

PRESIDENT

AES, INC., 2244 4TH AVE. NORTH, LAKE WORTH, FL 33462 - PH: 561-547-8080, FAX: 561-547-3999

PUMP and CONTROL SYSTEMS - MANUFACTURING AND DISTRIBUTION

MANUFACTURERS OF M.O.P.S. - MANUFACTURED ODORLESS PUMP STATIONS

FOR SEWAGE, EFFLUENT, WASTEWATER, STORMWATER, and DRAINAGE APPLICATIONS

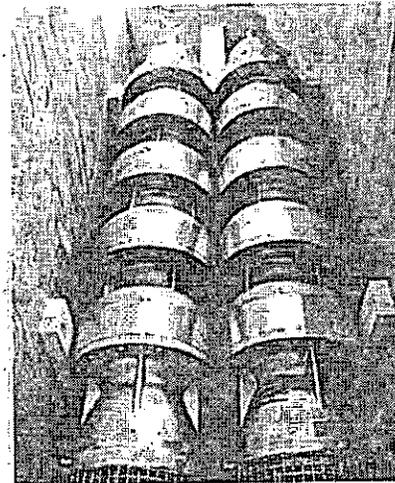
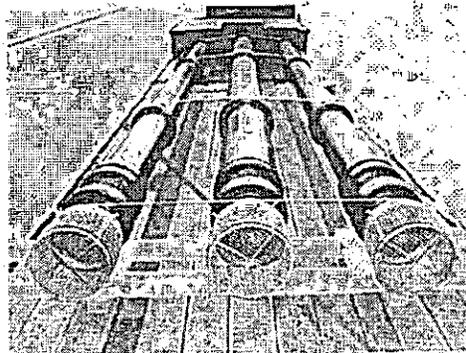
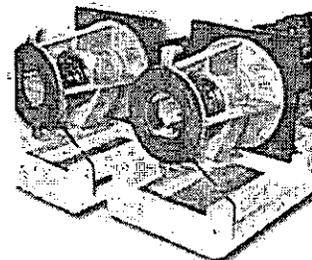
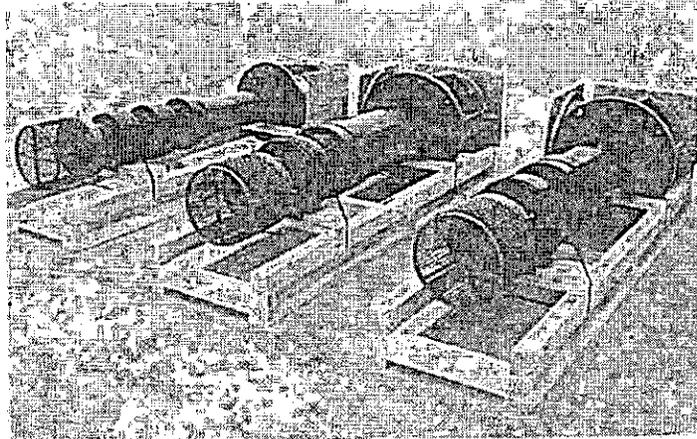
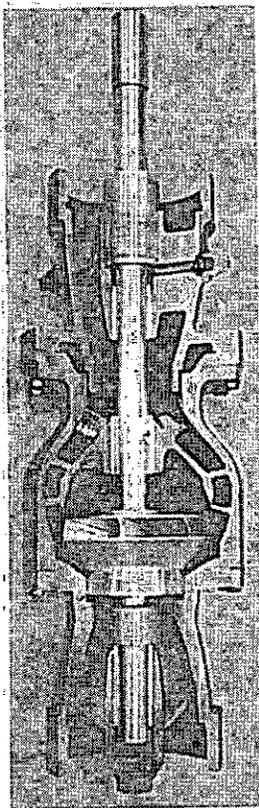
AUTHORIZED U.L. LISTED CONTROL PANEL MANUFACTURER - UL50, UL508A, UL698A

WEBSITE: www.Emops.com / E-MAIL: aescompany@aol.com

STATE of FLORIDA PROFESSIONAL ENGINEERING CERTIFICATION # 26398

PALM BEACH COUNTY SMALL BUSINESS ENTERPRISE # ATLA0064

VERTICAL TURBINE PUMPS



THE POWER OF STAINLESS

Hydroflo
pumps

Company: Hydroflo Pumps USA, Inc.
 Name: Marcus Daschner
 Date: 4/25/2012



Pump:

Size: 12HHC (3 stage)
 Type: Vertical
 Synchron speed: 1800 rpm
 Curve: 010311
 Specific Speeds:
 Dimensions:
 Vertical: Turbine
 Speed: 1770 rpm
 Dia: 9.745 in
 Impeller: 12HHC SS ENCL.
 Ns: ---
 Nss: ---
 Suction: 10 in
 Discharge: 10 in
 Bowl size: 11.8 in
 Max lateral: 10.75 in
 Thrust K factor: 16.2 lb/ft

Search Criteria:

Flow: 2100 US gpm
 Head: 148 ft
 Fluid:
 Water
 Density: 62.32 lb/ft³
 Viscosity: 0.9946 cP
 NPSHa: ---
 Temperature: 68 °F
 Vapor pressure: 0.3391 psi a
 Atm pressure: 14.7 psi a

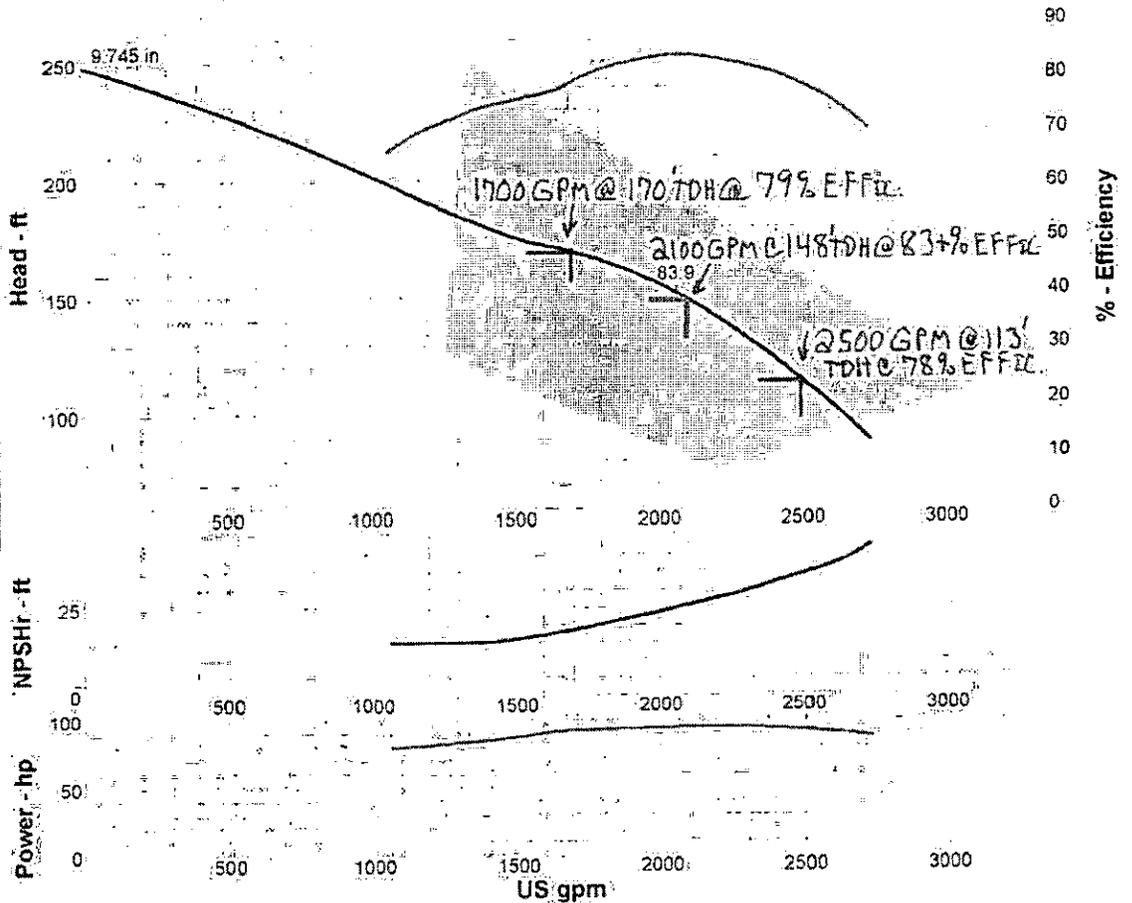
Motor:

Standard: NEMA
 Enclosure: TEFC
 Sizing criteria: Max Power on Design Curve
 Size: 100 hp
 Speed: 1800
 Frame: 405T

Pump Limits:

Temperature: 140 °F
 Pressure: 300 psi g
 Sphere size: 1.375 in
 Power: 300 hp
 Eye area: 29.7 in²

Data Point	
Flow:	2100 US gpm
Head:	148 ft
Eff.:	83.6%
Power:	93.9 hp
NPSHr:	25.6 ft
Design Curve	
Shutoff head:	249 ft
Shutoff dP:	108 psi
Min flow:	412 US gpm
BEP:	83.9% @ 2062 US gpm
NOL power:	93.9 hp @ 2062 US gpm
Max Curve	
Max power:	111 hp @ 2508 US gpm

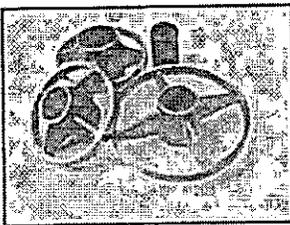


Performance Evaluation:

Flow, US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
2520	1770	112	78	91.5	34.6
2100	1770	148	83.6	93.9	25.6
1680	1770	170	78.3	92.2	18.4
1260	1770	187	71.8	83	15
840	1770	209	59.1	78.2	15

Engineering Facts

www.hydroflo pumps.com



More Stainless Products:

- Stainless steel bearing retainers.
- Stainless steel packing boxes.
- Stainless steel column couplings.
- Stainless steel shaft sleeves.
- Complete Stainless Steel Pumps.

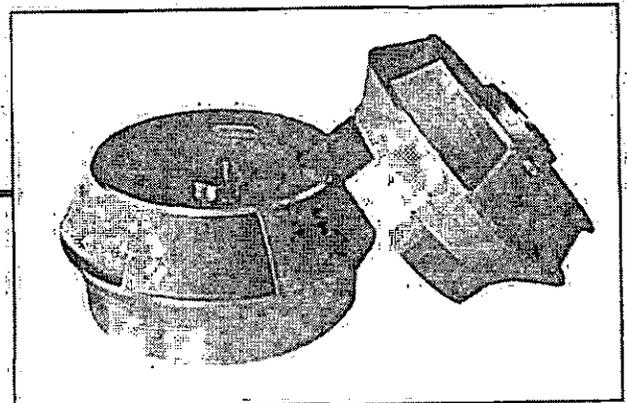


8" All 316SS

Offshore Fire Pumps

Lost Wax Investment Cast Stainless Steel Impellers

1. Lost wax investment castings are superior to all other impeller castings.
 - A. The smoothness of the casting increases efficiencies.
 - B. The wax is injected into a stainless pattern, thus a perfect mold each injection.
 - C. Sand castings will have core shifts, increased void areas, and rough surfaces.
2. Stainless is superior to bronze in all engineering applications.
 - A. Strength and Hardness are considered two of the most important physical properties when choosing pump impeller material. Stainless impellers have a Brinell Hardness Range of 212–280, the best choices in bronze are 60–159. Tensile Strength for stainless is 80,000–135,000 PSI; again bronze is only 26,000–85,000 PSI.
 - B. Stainless steel is better against abrasion and corrosion. Stainless is the choice in high chlorine concentrations, salt water applications, and in low PH water.
 - C. Stainless should always be chosen for applications where the presence of sand or abrasion particles are known to be in the water.



201 Stainless

201SS Brinell 215–280

304SS Brinell 212–277

316SS Brinell 150–190

316SS is the better material against corrosion, but 201SS is best in abrasive applications.

Hydroflo Pumps USA, Inc.

7118 Loblolly Pine Blvd. Fairview, TN. 37062

Phone: (615) 799-9662 Fax: (615) 799-5654

EPOXOLINE SERIES 141

PRODUCT PROFILE

GENERIC DESCRIPTION	Modified Polyamine Epoxy
COMMON USAGE	High solids coating which offers high-build edge protection and excellent corrosion resistance. For use on the interior and exterior of steel or concrete tanks, reservoirs, pipes, valves, pumps and equipment in potable water service as well as other steel and concrete substrates.
COLORS	ANSI/NSF Std. 61 colors: 1211-Red, 1255-Beige, 35GR-Gray, 35GR-Black and WH05-Off-White. Note: Other colors may be available for non-potable water applications. Contact your Tnemec representative. Minimum order requirements may apply. Note: Epoxies chalk with extended exposure to sunlight. Lack of ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon monoxide during application and initial stages of curing may cause yellowing to occur.
SPECIAL QUALIFICATIONS	Certified by NSF International in accordance with NSF/ANSI Std. 61. Ambient air cured Series 141 is qualified for use on tanks and reservoirs of 1,000 gallons (3,785L) capacity or greater; pipes four (4) inches (10 cm) in diameter or greater and valves two (2) inches (5 cm) in diameter or greater. Conforms to AWWA D 102 Inside Systems No. 1 and No. 2. Conforms to AWWA C 210. Contact your Tnemec representative for systems and additional information. Reference the "Search Listings" section of the NSF website at www.nsf.org for details on the maximum allowable DFT.
PERFORMANCE CRITERIA	Extensive test data available. Contact your Tnemec representative for specific test results.

COATING SYSTEM

PRIMERS	Steel: Self-priming: 1, 20, FC20, 27, 37H, L69, L69F, N69, N69F, V69, V69F, 90-E92, 90-97, 91-H ₂ O, 94-H ₂ O, I35, L140, L140F, N140, N140F, V140, V140F, 394, 530. Concrete: Self-priming: 20, FC20, 27, L69, L69F, N69, N69F, V69, V69F, L140, L140F, N140, N140F, V140, V140F, 215, 218. CMU: Self-priming or Series 130, 215, 218.
TOPCOATS	Exterior: Series 73, 180, 1074, 1074U, 1075, 1075U, 1080, 1081. Refer to COLORS on applicable topcoat data sheets for additional information. Note: The following maximum recoat time applies when using Series 73, 180, 1074, 1074U, 1075, 1075U, 1080 or 1081; 30 days. If this time limit is exceeded, Series 141 must be uniformly sanded prior to reapplying.

SURFACE PREPARATION

PRIMED STEEL	Immersion Service: Scarify the Series 20, FC20, L69, L69F, N69, N69F, V69, V69F, L140, L140F, N140, N140F, V140 or V140F prime coat surface by brush-blasting with fine abrasive before topcoating if it has been exterior exposed for 30 days or longer and 141 is the specified topcoat.
STEEL	Immersion Service: SSPC-SP10/NACE 2 Near-White Blast Cleaning with a minimum angular anchor profile of 2.0 mils. Non-Immersion Service: SSPC-SP6/NACE 3 Commercial Blast Cleaning with a minimum angular anchor profile of 2.0 mils.
CONCRETE	Allow to cure for 28 days. Abrasive blast referencing SSPC-SP13/NACE 6, ICRI: CSP 3-5 Surface Preparation of Concrete and Tnemec's Surface Preparation and Application Guide.
ALL SURFACES	Must be clean, dry and free of oil, grease, chalk and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS	82% ± 2.0% (mixed DFT)																												
RECOMMENDED DFT	4.0 to 18.0 mils (100 to 455 microns) in one coat. Note: Thickness requirements will vary with substrate, application method and exposure. Contact your Tnemec representative. Maximum dry film thickness for NSF exposure is 18.0 mils.																												
CURING TIME AT 5 MILS DFT	<table border="1"> <thead> <tr> <th>Temperature</th> <th>To Handle</th> <th>To Recoat</th> <th>Immersion</th> </tr> </thead> <tbody> <tr> <td>90°F (32°C)</td> <td>3 hours</td> <td>4 hours</td> <td>7 days</td> </tr> <tr> <td>75°F (24°C)</td> <td>4 hours</td> <td>5 hours</td> <td>7 days</td> </tr> <tr> <td>65°F (18°C)</td> <td>7 hours</td> <td>9 hours</td> <td>8 days</td> </tr> <tr> <td>55°F (11°C)</td> <td>13 hours</td> <td>18 hours</td> <td>9 days</td> </tr> <tr> <td>45°F (7°C)</td> <td>20 hours</td> <td>30 hours</td> <td>15 days</td> </tr> <tr> <td>40°F (4°C)</td> <td>22 hours</td> <td>42 hours</td> <td>18 days</td> </tr> </tbody> </table> <p>Curing time varies with surface temperature, air movement, humidity and film thickness. Note: For pipe and valve applications, allow 14 days cure at 75°F (24°C) prior to immersion.</p>	Temperature	To Handle	To Recoat	Immersion	90°F (32°C)	3 hours	4 hours	7 days	75°F (24°C)	4 hours	5 hours	7 days	65°F (18°C)	7 hours	9 hours	8 days	55°F (11°C)	13 hours	18 hours	9 days	45°F (7°C)	20 hours	30 hours	15 days	40°F (4°C)	22 hours	42 hours	18 days
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VOLATILE ORGANIC COMPOUNDS	EPA Method 24: Unthinned: 0.52 lbs/gallon (63 grams/litre) Thinned 4%: 0.75 lbs/gallon (90 grams/litre) Thinned 5%: 0.84 lbs/gallon (101 grams/litre) Thinned 10%: 1.27 lbs/gallon (153 grams/litre) †																												
HAPS	Unthinned: 1.3 lbs/gal solids Thinned 5%: 1.6 lbs/gal solids Thinned 10%: 1.9 lbs/gal solids																												
THEORETICAL COVERAGE	1.315 mil sq ft/gal (32.2 m ² /L at 25 microns). See APPLICATION for coverage rates.†																												
NUMBER OF COMPONENTS	Two: Part A (amine) and Part B (epoxy)																												
MIXING RATIO	By volume: Two (Part A) to one (Part B)																												

EPOXOLINE | SERIES 141

PACKAGING

	PART A (Partially Filled)	PART B (Partially Filled)	When Mixed
Large Kit	1-6 gallon pail	1-3 gallon pail	5 gallons
Small Kit	1-1 gallon can	1-1 gallon can	1 gallon

NET WEIGHT PER GALLON

13.33 ± 0.25 lbs (6.05 ± .11 kg)†

STORAGE TEMPERATURE

Minimum 20°F (-7°C) Maximum 110°F (43°C)
Prior to application, the material temperature should be above 60°F (16°C). It is suggested the material be stored at this temperature at least 48 hours prior to use.

TEMPERATURE RESISTANCE

(Dry), Continuous 250°F (121°C) Intermittent 275°F (135°C)

SHLELF LIFE

12 months at recommended storage temperature.

FLASH POINT - SETA

Part A: 91°F (33°C) Part B: 111°F (44°C)

HEALTH & SAFETY

This product contains chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

APPLICATION

COVERAGE RATES

	Dry Mills (Microns)	Wet Mills (Microns)	Sq Ft/Gal (m ² /Gal)
Minimum	3.0 (100)	5.0 (125)	329 (30.5)
Maximum	18.0 (555)	22.0 (560)	73 (6.8)

Note: Maximum of 18.0 mils DFT in one coat. **Maximum total dry film thickness for NSF exposure is 18.0 mils.** Allow for overspray and surface irregularities. Wet film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. Reference the "Search Listings" section of the NSF website at www.nsf.org for details on the maximum allowable DFT.†

MIXING

Mix the entire contents of Part A and Part B separately. Scrape all of the Part B into the Part A pail by using a flexible spatula. Use a variable speed drill with a PS Jiffy blade and mix the blended components for a minimum of two minutes. Apply the mixed material within pot life limits after agitation. Both components must be above 50°F (10°C) prior to mixing. For optimum application properties, the material temperature should be above 60°F (16°C). For applications to surfaces between 40°F to 50°F (4°C to 10°C) allow mixed material to stand 30 minutes and rest before use. **Note:** A large volume of material will set up quickly if not applied or lessened in mass. **Caution: Do not reseat mixed material. An explosion hazard may be created.**

THINNING

Caution: Do not add thinner to Part A prior to mixing with Part B. Use No. 4 Thinner. For airless spray, roller or brush, thin up to 5% or 1/4 pint (190 mL) per gallon. For air spray, thin up to 10% or 3/4 pint (380 mL) per gallon. To comply with SCAQMD VOC regulations maximum thinning is 3%. **Caution: Series 141 NSF certification is based on thinning with No. 4 Thinner. Use of any other thinner voids ANSI/NSF Std. 61 certification.**

POT LIFE

2 hours at 77°F (21°C) 1 hour at 90°F (32°C)

SPRAY LIFE

1 hour at 77°F (21°C) 30 minutes at 90°F (32°C)

APPLICATION EQUIPMENT

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	E	765 or 704	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	75-100 psi (5.2-6.9 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

Airtless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.017" - 0.021" (430-535 microns)	3000-3800 psi (207-262 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.
Roller: Roller application optional when environmental restrictions do not allow spraying. Use 3/8" or 1/2" (9.5 mm to 12.7 mm) synthetic woven nap covers.
Brush: Recommended for small areas only. Use high quality natural or synthetic bristle brushes.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 135°F (57°C)
The surface should be dry and at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature.

CLEANUP

Flush and clean all equipment immediately after use with the recommended thinner or MEK.

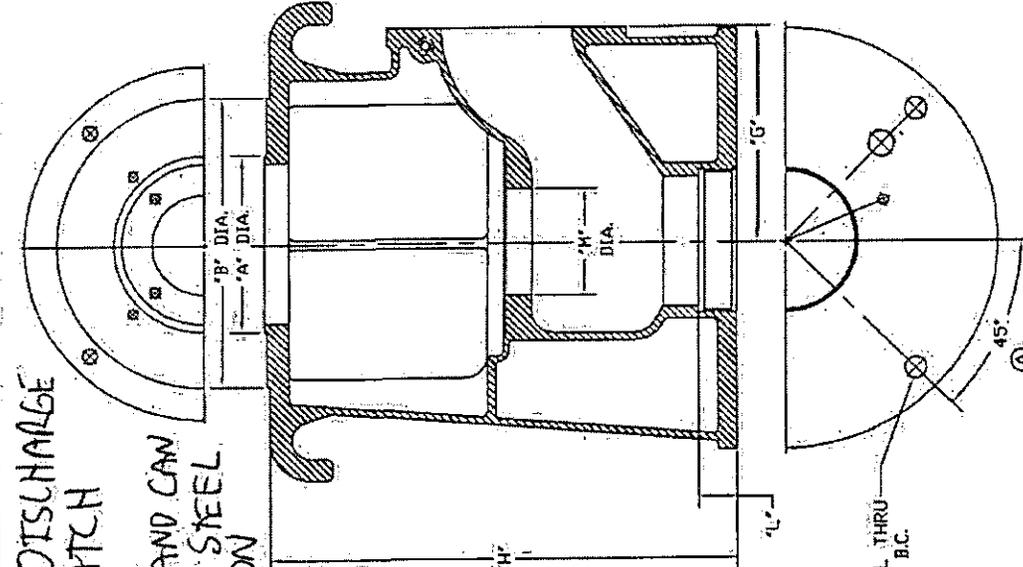
† Values may vary with color.

WARRANTY & LIMITATION OF SELLER'S LIABILITY: Tnemec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Tnemec Company, Inc. THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The Buyer's sole and exclusive remedy against Tnemec Company, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the Buyer's sole and exclusive remedy shall not have limited or essential purpose as long as Tnemec is willing to provide comparable replacement product to the buyer. NO OTHER REMEDY, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS SHALL BE AVAILABLE TO THE BUYER. Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Tnemec Company makes no claim that these tests or any other tests accurately represent all environmental and design factors that can vary significantly. Due care should be exercised in the selection and use of the coating.

Tnemec Company Incorporated | 6800 Corporate Drive | Kansas City, Missouri 64120-1372 | 1-800-TNEMEC | Fax: 1-816-483-3969 | www.tnemec.com

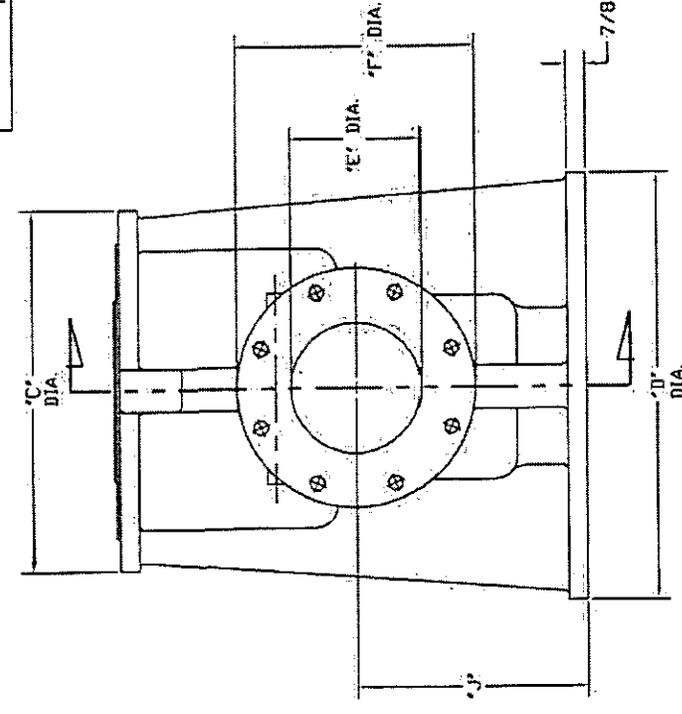
NOTE: PUMP DISCHARGE HEAD WILL MATCH EXISTING HEAD DIMENSIONS AND CAN BE FABRICATED STEEL OR DUCTILE IRON (EPOXY COATED) AS PREFERRED BY THE CITY

THIS DIMENSION MAY BE VARIED AS NEEDED TO MATCH EXISTING HEADS



(A) HOLES 1-1/4" DIA. DRILL THRU EQUALLY SPACED ON A "K" B.C. STRADDLE CENTERLINE

SIZE	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"
HF-4	8-1/4	N/A	12	19-3/8	4	9	9-7/8	21-1/2	10-5/8
HF-6	8-1/4	13-1/2	16-1/2	19-1/2	6	11	9-7/8	21-1/2	10-5/8
HF-8	8-1/4	13-1/2	16-1/2	21-1/4	8	13-1/2	9-7/8	21-1/2	10-5/8
HF-10	N/A	13-1/2	20	21-1/4	10	16	9-7/8	21-1/2	10-5/8
HF-12	N/A	13-1/2	20	24-7/8	12	19	14	23	12



SIZE	"K"	"L"	"M"	WT.
HF-4	17	1-3/4	4.687	186
HF-6	17	1-3/4	4.687	262
HF-8	18-3/4	2	4.687	279
HF-10	18-3/4	2-3/4	4.687	311
HF-12	22-3/4	2-1/2	5.5625	630



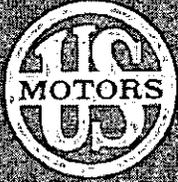
DESCRIPTION:
DUCTILE IRON DISCHARGE HEAD
W/ 125 LB. ANSI DISCHARGE FLANGE

MATERIAL	DRWG NO	REV
	A-00028	F

DRN. BY B.S.
DATE 05-17-99

ALL DIMENSIONS IN INCHES
ALL WEIGHTS IN POUNDS

REV.	DATE	BY	ECH.	REVISIONS
F	02-07-06	B.S.		
E	01-28-06	B.S.		
D	01-23-06	B.S.		
C	07-15-05	B.S.		
B	06-13-05	B.S.		
A	12-21-99	B.S.		



VERTICAL MOTORS

3 TO 4000 HP - 180 THROUGH 9600 FRAMES

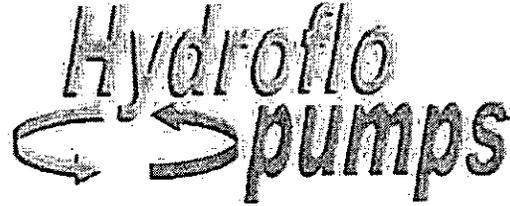


U.S. MOTORS

U.S. Electrical Motors Division
Emerson Electric Co.

CITY OF PT ST LUCIE
100HP MOTOR DATA AS SPECIFIED

Quotation



Date: April 24, 2012
Customer: Hydroflo Pumps
Attention: Marcus Daschner
Reference: RFQ 100HP

Quote Number: 12MGE0424E
Issued by: Mark Esteban
NMC Reference: 862222

CURRENT		PHASE		CYCLES		VOLTS	
AC		3		60		460	
ITEM	QTY	HP	FRAME	SPEED	WEIGHT	TYPE	
A	1	100	405VP	1800rpm	1600#	TVC14	

DESCRIPTION:

- NEMA Vertical Solid Shaft High Thrust
- TEFC Enclosure
- Random Wound
- 1.15 Service Factor
- Class H Insulation
- Insulife 2000 Insulation Treatment
- 3,300 ft. Altitude (Max) - 40C Ambient
- Premium Efficiency
- Vertical Centrifugal Pump Application
- 16.5" Base Diameter
- Non-Reverse Ratchet
- Inverter Duty Rating: Variable Torque
- 10:1 Speed Range
- "B" Rise @ 1.0 SF (Resistance)
- NEMA Design B
- Direct-On-Line Start
- Continuous Duty
- 91.0 % NEMA Nominal Efficiency
- 90 dBa @ 1M Sound Pressure
- Inrush Limit 650%
- Brass Drain - Lower Bracket
- Corro-Duty
- Counter CW Rotation FODE
- 175% Extra High Thrust
- Ground Lug In Conduit Box
- Shaft Ground Ring
- Insulated Bearing - Upper Bracket
- 115 Volt Space Heaters
- Thermostats - Normally Closed
- Conduit Box Information: Oversized C.I Conduit Box Lead Positioning Gasket
- N.W. Short Commercial Test

Quote Comments:

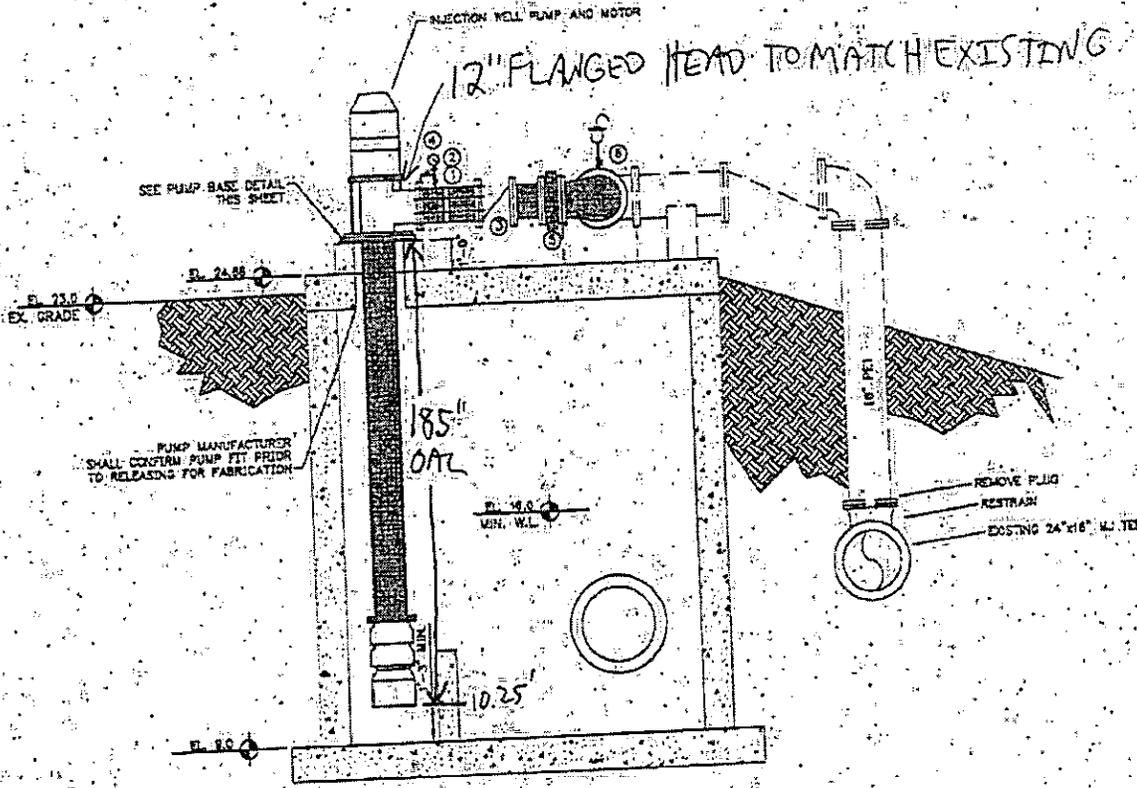
Section 16050

1. [Clarification] 1.01 - Motor quoted is not submersible.
2. [Clarification] 2.02 A - Motor shall have standard insulation which is Insulife 2000. Insulife 2000 utilizes additional treatment of polyester varnish ideal for application with high moisture content such as tropical environments for fungus resistance. A standard insulation for Corro-Duty motors. If vacuum pressure is required, we can do so at an adder.
3. [Clarification] 2.03 - To verify suitability for 65% reduce voltage auto-transformer tap set, please provide speed-torque curve and inertia value of the driven equipment. For now, quoting motor suitable for direct-on-line starting.
4. [Clarification] 2.06 - Motor has been quoted with 175% Extra High Thrust. To verify suitability for 5 years bearing life, it is essential to provide down thrust value to evaluate desired bearing life. Quoted motors will have standard 8.8K L-10 bearing life.
5. [Clarification] 2.07 - Motor shall be rated inverter duty with class H insulation suitable for B temperature rise at full-load. If any other is required please advise Nidec for re-quote.
6. [Clarification] Part 3 - Execution and Field testing by others. Motor has been quoted with Non-witnessed short commercial testing that meets NEMA MG1 12.55



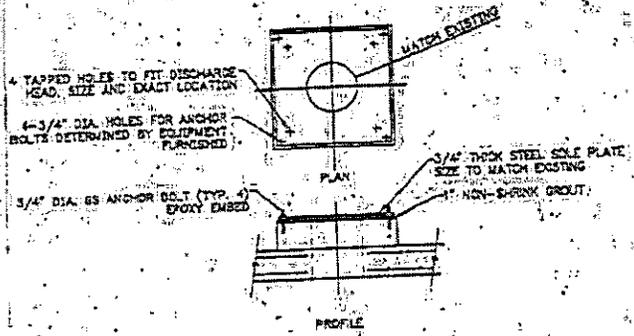
All Nidec Motor Corporation marks shown within this document are properties of their respective owners. Nidec trademarks followed by the TM symbol are registered with the U.S. Patent and Trademark Office.

- MATERIAL LIST**
- ① 12" DOP 2'-0" LONG ROOVED (FLG/PI)
 - ② 12" FLO'D COUPLING ADAPTER
 - ③ 12" DI FLO'D SILENT CHECK VALVE
 - ④ PRESSURE GAUGE ASSEMBLY (0-100 PSI)
 - ⑤ SS W/ SAMPLE POINT (SEE DETAIL THIS SHEET)
 - ⑥ 12" DI FLO'D BFF
 - ⑦ 18" x 12" DI FLO'D 90° BEND

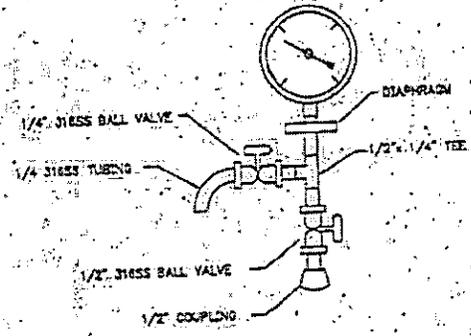


SECTION
SCALE 3/8" = 1'-0"
1W-01 | 1W-01

FOUNDATION PLATE TO MATCH EXISTING AND HEAD



PUMP BASE DETAIL
SCALE NONE



NOTE:
PRESSURE GAUGE ON 1/2" 316 S.S. SCH 40 NIPPLE W/ 316 S.S. ISOLATION BALL VALVE & 1/4" 316 S.S. BALL VALVE & SAMPLE TAP

PRESSURE GAUGE DETAIL
SCALE NONE

CITY OF PORT ST. LUCIE
WESTPORT WWTF
EXPANSION TO 12.0 MGD

ARCADIS RMA

ARCADIS RMA, INC.
5101 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411
Tel: 561-937-7000 Fax: 561-937-7751
www.arcadis-usa.com
Certificate No. 4757

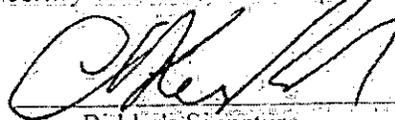
PROJECT MANAGER W. REESE	DEPARTMENT MANAGER T. JOHNSON	LEAD DESIGN PROF. J. FUSSELL	CHECKED BY
SHEET TITLE INJECTION WELL PUMP NO. 6005 PLAN AND SECTION		TASK/PHASE NUMBER 00002/0000	DRAWN BY S. STERN
		PROJECT NUMBER WFO21000	DRAWING NO. SHEET NO.

DRUG-FREE WORKPLACE FORM

The undersigned vendor in accordance with Section 287.087, Florida Statutes hereby certifies that
ATLANTIC ENVIRONMENTAL SYSTEMS does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or Contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or Contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



Bidder's Signature

4-25-12

Date

ORIGINAL TO BE PREPARED FOR CITY



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
04/24/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Michael Dubberly & Associates, Inc. PO Box 60665 Savannah, Georgia 31420	CONTACT NAME: Margaret Dubberly	
	PHONE (A/C No. Ext.): 912-354-8898 FAX (A/C No.): 912-354-8896 E-MAIL ADDRESS: peggy@mdubberlyandassociates.com	
INSURED Atlantic Environmental Systems, Inc. 2244 4th Ave. North Lake Worth, Florida 33467	INSURER(S) AFFORDING COVERAGE:	NAIC #
	INSURER A: American Safety	25433
	INSURER B: Safeco	19704
	INSURER C: Guard	42390
	INSURER D:	
	INSURER E:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADD'L SUBR INSR	W/C	POLICY NUMBER	POLICY EFF. (MM/DD/YYYY)	POLICY EXP. (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	X	X	ENV-026583-11-02	8/24/11	8/24/12	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMPROP AGG \$2,000,000
	GENL. AGGREGATE LIMIT APPLIES PER: POLICY <input type="checkbox"/> PRO-ECT <input type="checkbox"/> LOC <input type="checkbox"/>						
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRE/AUTOS	X	X	01 C1051208-4	9/1/2011	9/1/2012	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE - (Per accident) \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB						EACH OCCURRENCE \$ AGGREGATE \$
C	WORKERS COMPENSATION AND EMPLOYERS LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N	N/A	ATWC345923	4/1/2012	4/1/2013	<input checked="" type="checkbox"/> WC STATL TORY LIMITS E.L. EACH ACCIDENT \$100,000 E.L. DISEASE - EA EMPLOYEE \$100,000 E.L. DISEASE - POLICY LIMIT \$500,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

****see attached for description of operations

** C David Dubberly excluded from w/c (president of company)

as per terms and conditions of the policy

CERTIFICATE HOLDER	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
SAMPLE	AUTHORIZED REPRESENTATIVE Margaret Dubberly

CHECKLIST

Bid #20120004

Purchase of a 2,100 gpm Injection Well Pump & Motor

Name of Bidder: ATLANTIC ENVIRONMENTAL SYSTEMS, INC.

This checklist is provided to assist Bidders in the preparation of their bid response. Included in this checklist are important requirements that are the responsibility of each Bidder to submit with their response in order to make their bid response fully compliant. This checklist is only a guideline -- it is the responsibility of each Bidder to read and comply with the Invitation to Bid in its entirety.

- has uploaded Bid Reply Sheet with proper signature.
- has uploaded Drug-Free Workplace Form
- if applicable has acknowledged each bid addendum on the Bid Reply Sheet.
- has uploaded a copy of current Insurance Certificate in accordance with Section
- has uploaded a copy of all required licenses and certification
- has reviewed the Purchase Order and accept all City Terms and Conditions
- has uploaded a copy of the five percent (5%) bid bond.

THIS FORM SHOULD BE RETURNED WITH YOUR BID REPLY SHEET

THE AMERICAN INSTITUTE OF ARCHITECTS

AIA Document A310
Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we
Atlantic Environmental Systems, Inc.
2244 4th Avenue North
Lake Worth, FL 33461

as Principal, hereinafter called the Principal, and
Allied Property and Casualty Insurance Company
1100 Locust Street, Des Moines, IA 50391-2000

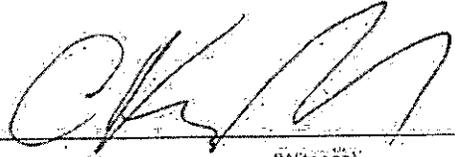
a corporation duly organized under the laws of the State of Iowa
as Surety, hereinafter called the Surety, are held and firmly bound unto
City of Port St. Lucie, Florida
121 S.W. Port St. Lucie Blvd., Port St. Lucie, FL 34984

as Obligee, hereinafter called the Obligee, in the sum of Five Percent (5%) of the Bid Amount for the
payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves,
our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these
presents.

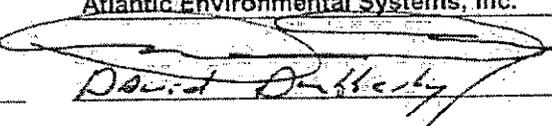
WHEREAS the Principal has submitted a bid for
Bid #20120004, Furnish a 2,100 GPM Injection Well Pump and Motor

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter
into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds
as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful
performance of such Contract and for the prompt payment of labor and material furnished in the
prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such
bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof
between the amount specified in said bid and such larger amount for which the Obligee may in good
faith contract with another party to perform the Work covered by said bid, then this obligation shall be
null and void, otherwise to remain in full force and effect.

Signed and sealed this 25th day of April, 2012



(Witness)

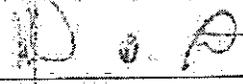
(Seal)
Atlantic Environmental Systems, Inc.


(Seal)



(Witness)

**Allied Property and Casualty Insurance
Company**



David B. Shick, Attorney-In-Fact and Florida Licensed
Resident Agent

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS THAT:

Nationwide Mutual Insurance Company, an Ohio corporation
Farmland Mutual Insurance Company, an Iowa corporation
Nationwide Agribusiness Insurance Company, an Iowa corporation

AMCO Insurance Company, an Iowa corporation
Allied Property and Casualty Insurance Company, an Iowa corporation
Depositors Insurance Company, an Iowa corporation

hereinafter referred to severally as the "Company" and collectively as the "Companies," each does hereby make, constitute and appoint:

DAVID BRYAN SHICK

TAMPA, FL

each in their individual capacity, its true and lawful attorney-in-fact, with full power and authority to sign, seal, and execute on its behalf any and all bonds and undertakings and other obligatory instruments of similar nature, in penalties not exceeding the sum of

FOUR MILLION AND NO/100 DOLLARS

\$ 4,000,000.00

and to bind the Company thereby, as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Company; and all acts of said Attorney pursuant to the authority given are hereby ratified and confirmed.

This power of attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the board of directors of the Company:

"RESOLVED, that the president, or any vice president be, and each hereby is, authorized and empowered to appoint attorneys-in-fact of the Company, and to authorize them to execute and deliver on behalf of the Company any and all bonds, forms, applications, memorandums, undertakings, recognizances, transfers contracts of indemnity, policies, contracts guaranteeing the fidelity of persons holding positions of public or private trust, and other writings obligatory in nature that the business of the Company may require; and to modify or revoke, with or without cause, any such appointment or authority; provided, however, that the authority granted hereby shall in no way limit the authority of other duly authorized agents to sign and countersign any of said documents on behalf of the Company."

"RESOLVED FURTHER, that such attorneys-in-fact shall have full power and authority to execute and deliver any and all such documents and to bind the Company subject to the terms and limitations of the power of attorney issued to them, and to affix the seal of the Company thereto; provided, however, that said seal shall not be necessary for the validity of any such documents."

This power of attorney is signed and sealed under and by the following bylaws duly adopted by the board of directors of the Company:

Execution of Instruments. Any vice president, any assistant secretary or any assistant treasurer shall have the power and authority to sign or attest all approved documents, instruments, contracts, or other papers in connection with the operation of the business of the company in addition to the chairman of the board; the chief executive officer, president, treasurer or secretary; provided, however, the signature of any of them may be printed, engraved, or stamped on any approved document, contract, instrument, or other papers of the Company.

IN WITNESS WHEREOF, the Company has caused this instrument to be sealed and duly attested by the signature of its officer the 11th day of August, 2009:



Gary A. Douglas

Gary A. Douglas, President and Chief Operating Officer of Nationwide Agribusiness Insurance Company and Farmland Mutual Insurance Company, and Vice President of Nationwide Mutual Insurance Company AMCO Insurance Company, Allied Property and Casualty Insurance Company, and Depositors Insurance Company

ACKNOWLEDGMENT

STATE OF IOWA, COUNTY OF POLK: ss

On this 11th day of August, 2009, before me came the above-named officer for the Companies aforesaid, to me personally known to be the officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, deposes and says, that he is the officer of the Companies aforesaid, that the seals affixed hereto are the corporate seals of said Companies and the said corporate seals and his signature were duly affixed and subscribed to said instrument by the authority and direction of said Companies:



Sandy Alitz
Notary Public
My Commission Expires
March 24, 2011

CERTIFICATE

I, Kathy R. Richards, Assistant Secretary of the Companies, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney issued by the Company, that the resolution included therein is a true and correct transcript from the minutes of the meetings of the boards of directors and the same has not been revoked or amended in any manner; that said Gary A. Douglas was on the date of the execution of the foregoing power of attorney the duly elected officer of the Companies; and the corporate seals and his signature as officer were duly affixed and subscribed to the said instrument by the authority of said board of directors; and the foregoing power of attorney is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seals of said Companies this 25th day of April, 2012.

Kathy R. Richards
Assistant Secretary

This Power of Attorney Expires 08/13/13

BID ADDENDUM # 1
BID #20120004
Addendum Issue Date: April 17, 2012

Bid Name: Furnish a 2,100 GPM Injection Well Pump and Motor

Please make the following changes/modifications to the subject bid:

Questions and Answers

QUESTION 1. Section 11215, paragraph C. Column and Shaft: First sentence calls for bearing retainers product lubricated fluted type Bronze Bearings and the last sentence states for bearings to be Resilient Rubber. We believe that they are supposed be Bronze, but need clarification.

ANSWER 1. The bearings should be bronze.

QUESTION 2. We understand about the field testing required but the factory would also like a clarification on the amount of factory testing that is required for the pump.

ANSWER 2. The factory test should be a curve based on the actual test of the pump, witnessed and certified by the manufacturer's engineer.

NOTE: The bid opening date is unchanged.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her bid or proposal/bid to be accepted.

BID ADDENDUM # 2
BID #20120004
Addendum Issue Date: April 19, 2012

Bid Name: Furnish a 2,100 GPM Injection Well Pump and Motor

Please make the following changes/modifications to the subject bid:

DELETE: ~~1.7 Variances to Specifications - The pumps shall be manufactured by, and the pumping unit shall be as assembled by Weir Floway Pumps. No substitutions will be accepted.~~

INSERT: "1.7 Variances to Specifications - Bidders must indicate any variances to the Specifications. Additionally, if bids are based on alternate products, Bidder must indicate the manufacturer's name and number of the alternate item(s) being offered and attach appropriate specifications. If variations and/or alternates are not stated in Bidder's reply, it shall be construed that the bid fully conforms to the specifications."

CLARIFICATION

The City will accept pumps manufactured and assembled by Weir Floway or equal. It shall be the bidder's responsibility and cost to furnish all information requested by the City to demonstrate that the pump submitted is equal-to or exceeds the specification, including performance requirement. The City may require a demonstration of the pump by the bidder to validate conformance with the specifications and performance criteria. Any demonstration will be at bidder's sole expense. The City reserves the right to be make the final determination of a proposed pump as being equal-to.

ATTACHMENT - A drawing of the pump installation requirement with respect to elevations of the equipment installation, pipe connections, sump elevations, and overall pump length is included as an Attachment on Demandstar.

NOTE: The bid opening date is unchanged.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her bid or proposal/bid to be accepted.

BID ADDENDUM #3
BID #20120004
Addendum Issue Date: April 24, 2012

Bid Name: Furnish a 2,100 GPM Injection Well Pump and Motor

NOTE: The Bid due date and time is unchanged.

Please make the following modifications to the subject bid:

Motors are to be supplied with Class H Insulation:

1. SECTION 11215 Vertical Turbine Pumps, Sub-Section 2.01 Vertical Turbine Pumps, Item A, "Motors shall be inverter duty as specified in Section 16050 Electric Motors. "
2. SECTION 16050 Electric Motors, Sub-Section 2.04 Horizontal and Vertical Motors, Item A Table: "Inverter Duty Required: YES"
3. SECTION 16050 Electric Motors, Sub-Section 2.07 Inverter Duty Motors "All inverter-duty motors shall be supplied with a Class H insulation system to accommodate continuous operation at 15% of the nameplate horsepower at reduced speeds from 10% to 50% of the rated full speed RPM."

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her bid or proposal/bid to be accepted.

End of Addendum #3



"A City for All Ages"

CITY OF PORT ST. LUCIE

SEALED ELECTRONIC-BID #20120004

(E-BID)

FURNISH A 2,100 GPM INJECTION WELL PUMP AND MOTOR

Prepared By: Helen Quintana, CPPB
Office of Management & Budget
121 SW Port St. Lucie Boulevard
Port St. Lucie, FL 34984-5099
772-871-5221
hquintana@cityofpsl.com

INVITATION TO E-BID

Sealed Electronic Bid #20120004 for Purchase of a 2,100 gpm Injection Well Pump & Motor will be received by the Office of Management and Budget of the City of Port St. Lucie no later than 3:00 p.m. on **April 25, 2012**. Specifications are attached.

All bids must be received by the date and time specified above, when they will be opened and publicly read aloud. The bid time must be and shall be scrupulously observed. Under no circumstances shall bids uploaded to Demandstar.com after the time specified be accepted or considered. It is the sole responsibility of the Bidder to ensure that his or her bid is uploaded on or before the closing date and time. The City shall in no way be responsible for delays caused by any power outages or internet failures. No exceptions will be made.

Electronic replies will be the only method allowed for Bidders to respond to this solicitation. All submittals must be compatible with Microsoft Office 2003. E-Bidding will be done through a secure locked box. Bidders can only review/submit their E-Bid and will not have access to any other Bidder's submittals. The Bidder's E-Bid may be changed at the Bidder's discretion up until the due date and time has been reached, at which time the Bidder will no longer be able to change or have access to the electronic bid submittal. The City will then open the E-Bids. Bidders who are E-Bidding for the first time are strongly encouraged to contact Demandstar at (800) 771-1712 or obtain assistance by e-mailing questions to supplierservices@onvia.com.

The City of Port St. Lucie reserves the right to reject any and all bids, to waive any and all informalities or irregularities, and to accept or reject all or any part of any bid as it may deem to be in the best interest of the citizens of the City.

Each Bidder must deposit with his bid, a bid bond, or bid guaranty, in the amount of five percent (5%) of the bid total, made payable to the City of Port St. Lucie. This must be uploaded at time of submittal and then mailed immediately after opening, thus showing evidence that a bid bond was obtained. Bidders will send the **ORIGINAL** bid bond to the City immediately after the opening date. The original Bid Bond must be received within **three (3) business days** of the opening for the bid to be considered.

For the purpose of this bid, the term Bidder, E-Bidder and Contractor may be used interchangeably.

Documents required for this E-Bid:

E-Bid Specifications, Pages 1 – 13

E-Bid Reply Sheet #20120004 – Pages 9 - 10 (included in E-Bid)

E-Bid Reply Excel Spreadsheet – Page 1 (not included in E-Bid).

Attachments

Attachments that are required (not included in this document)

- Attachment A – Technical Specifications prepared by the Utility Systems Department titled Westport WWTF Injection Well Pump No. 5, pages 1 - 22

Helen Quintana, CPPB
Contract Specialist

SPECIFICATIONS
BID #20120004

Furnish a 2,100 gpm Injection Well Pump and Motor

OVERVIEW

The City of Port St. Lucie desires to obtain quotations from qualified individuals, firms, and legal entities relative to furnishing a 2,100 gpm Injection Well Pump and Motor required to re-rate Westport Wastewater effluent injection deep injection well to 12.0 mgd as required by Florida Department of Environmental Protection (FDEP).

NOTE: The City may not accept proposals from firms, that have had adversarial relationships with the City or firms that have represented entities that have had adversarial relationships with the City. This includes the firm, employees and financial or legal interests.

INTENT:

It is the intent of the City to purchase one vertical turbine pumping unit, complete with shop drawings, operations and maintenance manuals, pump, column, discharge head, electric motor, coatings, factory testing, shop drawing submittals, certifications, warranties, electrical connections and all other submittals, inspections, equipment and appurtenances stated or implied, all in accordance with contract documents, for an assembled, complete and continuous, outdoor operation ready, pumping unit for Westport Waste Water Treatment Facility site located at 3721 SW Darwin Blvd, Port St Lucie, FL.;

1. GENERAL REQUIREMENTS

1.1 Invitation to E-Bid - All requirements contained in the Invitation to E-Bid are hereby incorporated in this specification.

1.2 Cost of Preparation of Bid - The City will not be responsible for any cost incurred by any Bidder in the preparation of his/her bid.

1.3 Examination of Drawings and Contract Documents - Bidders shall thoroughly examine these specifications and all other drawings, documents or other materials referred to herein and conduct such investigations and visits as may be necessary to thoroughly inform themselves regarding existing plant, facility, personnel and other conditions relative to compliance with this specification. No plea of ignorance by the Bidder of conditions that exist or may hereafter exist, as a result of failure or omission on the part of the Bidder to make said investigations and visits, and/or failure to fulfill in every detail the requirements of this specification and documents promulgated therein, will be accepted as a basis for varying the requirements of the City or the compensation of the Bidder(s).

1.4 Bid Price:- Bidders must agree to furnish all item(s) that are awarded to them as a result of their response to this specification at the price(s) indicated on their respective E-Bid Reply Sheet #20120004. Bidders shall guarantee that said price(s) shall be firm, not subject to escalation, for the 90 days after bid opening period. Submittal of a bid shall be prima facie evidence of the

Bidder's intent to comply with this requirement. Any bid submitted with escalation clauses shall be rejected.

1.7 Variances to Specifications - The pumps shall be manufactured by, and the pumping unit shall be as assembled by Weir Floway Pumps. No substitutions will be accepted.

1.9 Submittal of E-Bid - Unless otherwise provided herein, all bids shall be submitted by completing and returning the E-Bid Reply Sheet and any other documentation that is required by this bid. The E-Bid Reply Sheet should be typed or printed and signed in black ink. The individual signing the bid must initial all changes. All submittals are required to be electronic. **No hard copies will be accepted.**

- A. Request bid Specifications, #20120004 from Onvia, via phone 800-711-1712 or via internet www.cityofpsl.com.
- B. Complete company information of E-Bid Reply Sheet #20120004.
- C. Electronically sign the E-Bid Reply Sheet #20120004 where indicated.
- D. Enter the bid price on the E-Bid Reply Sheet #20120004 where indicated
- E. If applicable, Acknowledge all Addenda on the E-Bid Reply Sheet #20120004
- F. Upload and submit onto Demandstar by the due date and time:
 - 1) the E-Bid Reply Sheet #20120004
 - 2) five percent (5%) Bid Bond
 - 3) current Insurance Certificate(s)
 - 4) Drug Free Workplace Form
 - 5) Checklist

1.9.1 Right to Reject -The City reserves the right to waive irregularities, reject and/or accept any and all bids, in whole or in part, to solicit and re-advertise for new bids, abandon the project in its entirety, or take other such action as serves the best interests of the City.

1.9.2 Timeliness of Submittal - All bids must be uploaded by the date and time specified above; when they will be opened and publicly read aloud. The bid time must be and shall be scrupulously observed. Under no circumstances shall bids uploaded after the time specified be considered. It is the sole responsibility of the Bidder to ensure that his or her bid is uploaded to Demandstar.com on or before the closing date and time. The City shall in no way be responsible for delays caused by power outages or internet failures.

1.9.3 E-Bid Opening Extension – The City reserves the right to extend the bid opening date when no responses or only one (1) response is received. The City will return the received response unopened.

1.9.4 Checklist - Bidders are requested to return the attached Checklist that is contained in the bid package with the Bid Reply Sheet.

1.10 Payment Terms - The accepted bidder shall accept and acknowledge within five (5) days of receipt thereof the terms and conditions of the City's standard Purchase Order.

PLEASE NOTE

The City has implemented a **Purchasing Card Program**. The Bidder can take advantage of this program and in consideration receive payment within several days instead of the City's policy of Net 30 Days After Receipt of Invoice (ARI). Any percentage off the bid price for the acceptance of Visa will be considered in the bid award. If no such percentage is given, the City shall assume 0% discount applies.

Bidders are requested to state on the Bid Reply Sheet #20120004 if they will honor the VISA Purchasing Card. In the event of failure on the part of the Bidder to make this statement the City shall assume the purchase or Contract price shall be governed by the Net 30 ARI.

1.11 Execution of Contract or Purchase Order - The Bidder will be required to accept and acknowledge within five (5) days of receipt thereof the terms and conditions of the City's standard Purchase Order which can be reviewed on the City's website: www.cityofpsl.com.

1.12 Public Entity Statement - Section 287.133 of the Florida Statutes places the following restrictions on the ability of persons convicted of public entity crimes to transact business with the City:

"A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list." § 287.133(2) (a), Fla. Stat. (2010)

1.12.1 Discrimination - An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity.

1.13 Patent Fees, Royalties, and Licenses - If the Bidder requires or desires to use any design, trademark, device, material or process covered by letters of patent or copyright, the Bidder and his surety shall indemnify and hold harmless the City from any and all claims for infringement in connection with the work agreed to be performed. The Bidder shall indemnify the City from any

cost, expense, royalty or damage which the City may be obligated to pay by reason of any infringement at any time during the prosecution of or after completion of the work.

1.14 Tie Bid Statement - Identical tie bids, in accordance with Section 287.087, Florida Statutes, preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality, and service are received by the City for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Please submit the form that is enclosed with your bid response.

1.15 Cooperative Purchasing Agreement - This bid may be expanded to include other governmental agencies provided a cooperative Purchasing Agreement exists or an Inter-local Agreement for joint purchasing exists between the City of Port St. Lucie and other public agencies. Bidders may agree to allow other public agencies to contract with them for the same items at the same terms and conditions as this bid, during the period of time that this bid is in effect. Each political entity will be responsible for execution of its own requirements with the Bidder.

1.16 Familiarity with Laws - The Bidder is assumed to be familiar with all federal, state and local laws, ordinances, rules and regulations that may affect the work. Ignorance on the part of the Bidder will in no way relieve him from responsibility. Bidder will submit all proposals in compliance with the 28 C.F.R. § 35.151.

2. SPECIAL REQUIREMENTS

2.1 Implied Warranty of Merchantability - It is understood that the implied warranty of merchantability and fitness for the specified purpose are not disclaimed notwithstanding any representation to the contrary.

2.2 Warranty and Guarantee - All products furnished by the Bidder(s) shall be supplied with all warranties and guarantees of the manufacturer. All products must be warranted by the Bidder(s) to be free of defects in workmanship and material for a period of not less than **365** days; said period to commence upon the date products are installed, or accepted by the City, whichever last occurs.

2.2.1 Repair or Replacement - Should any defect appear during this period, the Bidder(s) shall, at their expense, have repaired or replaced such item upon receipt of written notice from the City of said defect. Said repair or replacement must be accomplished within ten days after receipt of notification from the City of the defect.

2.3 Samples - Samples of items, when required, must be furnished free of expense and, if not destroyed, will upon request, be returned at the Bidder's expense. Request for the return of samples must be made within 30 days following opening of bids. Each individual sample must be labeled with Bidder's name, bid number, and item number. Failure of Bidder to either deliver required samples or to clearly identify samples as indicated may be reason for rejection of the

bid. Unless otherwise indicated, samples should be delivered to the Office of Management and Budget.

2.4 Delivery - Unless actual date or delivery is specified (or if specified delivery cannot be met), show number of days required to make delivery after receipt of purchase order in the space provided on the Bid Reply Sheet #20120004.

3. SPECIFIC REQUIREMENTS

3.2 Delivery Requirements - Deliveries pursuant to this Contract are to be made to the Westport Waste Water Treatment Facility located at 3721 SW Darwin Blvd., Port St. Lucie, FL. All items are to be designated for inside delivery. Deliveries are received at this location between the hours of 8:00 am and 3:00 pm.

3.3 Packing - All material delivered as a result of this order is to be packed in a manner that will insure the materials are not damaged in transit. Articles shall not be combined to create an individual container weight in excess of fifty (50) pounds. The City's purchase order number shall appear on the exterior of each carton, and packing list specifying the quantity and description of each item shipped shall accompany each shipment.

3.4 Loading - Material is to be loaded on 42" x 42" wood pallets suitable for forklift truck removal from side/end of vehicle. Maximum pallet weight shall not exceed 2,500 pounds.

4. ADDITIONAL INFORMATION

4.1 Brand Names -

4.2 Collusion - The City reserves the right to disqualify bids, upon evidence of collusion with intent to defraud or other illegal practices upon the part of the Bidder. More than one (1) bid from an individual, partnership, corporation, association, firm, or other legal entity under the same or different names will not be considered. Reasonable grounds for believing that a Bidder is interested in more than one (1) proposal for the same work will be cause for rejection of all proposals in which such Bidders are believed to be interested. Any or all proposals will be rejected if there is any reason to believe that collusion exists among the Bidders.

4.3 Withdrawal of Bids - A Bidder may withdraw his bid without prejudice no later than the day and hour set in the "Invitation to Bid" by communicating his purpose in writing to the City at the address given in the "Invitation for Bid". When received, it will be returned to him unopened.

4.4 Bid Information - For information concerning procedures for responding to this bid, contact Helen Quintana, CPPB at (772) 871-5221 (telephone), 772-871-7337 (fax) hquintana@cityofpsl.com (email). Such contact is to be for clarification purposes only. To ensure fair consideration for all Bidders, it must be clearly understood that Mrs. Quintana is the only individual who is authorized to represent the City. Questions submitted to any other person in any other department will not be addressed. Additionally, the City prohibits communications initiated by a Bidder to any City Official or employee evaluating or considering the bids (up to

and including the Mayor and City Council), prior to the time an award decision has been made.

It is the responsibility of the Bidder to receive any and all bid information and documents. Material changes, if any, to the scope of services, or bidding procedures will be transmitted only by addendum by Onvia.com. The Bidder, in turn, shall acknowledge receipt of the addendum by marking the Bid Reply Sheet with the Addendum number and the date of issuance. The City will not be responsible for any interpretation, other than those transmitted by Addendum to the bid, made or given prior to the bid award. The Bidder is responsible for verifying it has received all Bid Addenda.

If you have obtained this document from a source other than directly from the City or from DemandStar by Onvia.com you are not on record as a plan holder. The Office of Management & Budget takes no responsibility to provide Addenda to parties not listed by the City as plan holders. It is the Bidder's responsibility to check with our office prior to submitting your proposal to ensure you have a complete, up-to-date package. The Bidder is responsible for verifying they have received all Bid Addenda.

Bid Reply Sheet
Bid # 20120004
GPM 2.1 Pump & Motor

1. **COMPANY NAME:** _____

DIVISION OF: _____

PHYSICAL ADDRESS: _____

MAILING ADDRESS: _____

CITY, STATE, ZIP CODE: _____

TELEPHONE NUMBER: () _____ FAX NO. () _____

CONTACT PERSON: _____ E-MAIL: _____

2. **ORGANIZATIONAL PROFILE:** (complete all appropriate information)

Is the firm incorporated? Yes--No If yes, in what state? _____

 President

 Vice President

 Treasurer

How long in present business: _____ How long at present location: _____

Is firm a minority business: Yes--No; Does firm have a drug-free workplace program: Yes--No
 If no, is your company planning to implement such a program? _____

3. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued

4. **VENDOR'S LIST** – If your company offers commodities other than the one specified for this bid, and you wish to be put on the vendor's list, please contact Onvia.com at (800) 711-1712. Bid Tabulation Reports are advertised on the City's Web Site at www.Cityofpsl.com.

5. BID RESPONSE:

5.1 Bidder will / will not accept the Purchasing Card (Visa).

(please circle one)

5.2 Percentage of discount when payment is made with Visa: _____ %

5.3 Bid Reply Sheet Total \$ _____

5.4 Delivery time _____ days after receipt of order.

6. INSURANCE CERTIFICATES LICENSE - Bidders are required, in accordance with Section 5, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain. Bidders are required to submit all licenses and certifications required to perform this project.

7. COMPLETION OF FORM - An authorized representative of the firm offering this Bid must complete this form in its entirety. Prices entered herein shall not be subject to withdrawal or escalation by Bidder. The City reserves the right to hold proposals and bid guarantees for a period not to exceed 90 days after the date of the bid opening stated in the Invitation to Bid before awarding the Bid. Bid award constitutes the date that City Council executes the motion to award the bid.

8. CONTRACT - Bidder agrees to comply with all requirements stated in the specifications for this bid.

9. CERTIFICATION

This bid is submitted by: Name (print) _____ who is an officer of the above firm duly authorized to sign bids and enter into Contracts. I certify that this bid is made without prior understanding, Contract, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this bid.

Signature Date

11. Is Bidder related to any City Employee? _____

Signature Title

If a corporation renders this Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this Bid shall attach to this form evidence of legal authority.

(seal)

Reference Checked	
Clerk Checked	

DRUG-FREE WORKPLACE FORM

The undersigned vendor in accordance with Section 287.087, Florida Statutes hereby certifies that _____ does:

(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or Contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or Contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Bidder's Signature

Date

STATEMENT OF NO BID

To: City of Port St. Lucie
Office of Management & Budget
121 S.W. Port St. Lucie Boulevard
Port St. Lucie, FL 34984-5099

Bid: # **20120004**

Bid Title: **Purchase of a 2,100 gpm Injection Well Pump & Motor**

We, the undersigned have declined to bid on the subject bid for the following reasons:

- Insufficient time to respond to the Invitation to Bid
- We do not offer this product or service.
- Our schedule would not permit us to perform.
- We are unable to meet specifications.
- We are unable to meet bond requirements.
- Specifications are unclear (Explain below).
- We are unable to meet insurance requirements.
- Other (Specify below).

Remarks: _____

Company Name: _____ Telephone: () _____

Division: _____

Address: _____

Signature: _____ Date: _____

CHECKLIST
Bid #20120004
Purchase of a 2,100 gpm Injection Well Pump & Motor

Name of Bidder: _____

This checklist is provided to assist Bidders in the preparation of their bid response. Included in this checklist are important requirements that are the responsibility of each Bidder to submit with their response in order to make their bid response fully compliant. This checklist is only a guideline -- it is the responsibility of each Bidder to read and comply with the Invitation to Bid in its entirety.

- _____ has uploaded Bid Reply Sheet with proper signature.
- _____ has uploaded Drug-Free Workplace Form
- _____ if applicable has acknowledged each bid addendum on the Bid Reply Sheet.
- _____ has uploaded a copy of current Insurance Certificate in accordance with Section
- _____ has uploaded a copy of all required licenses and certification
- _____ has reviewed the Purchase Order and accept all City Terms and Conditions
- _____ has uploaded a copy of the five percent (5%) bid bond.

THIS FORM SHOULD BE RETURNED WITH YOUR BID REPLY SHEET

**Westport WWTF
Injection Well Pump No. 5**

ATTACHMENT A

SECTION 11215

VERTICAL TURBINE PUMPS

1.01 SCOPE: Work covered under this section shall consist of furnishing the pump and drive equipment as described in the attached specifications. The work shall include submittals, manufacturing the pumping unit, factory testing, delivery of the pumping unit to the Westport WWTF site which is located at 3721 SW Darwin Blvd., Port St. Lucie, FL, and startup and field testing. The pumping unit assembly covered by these specifications includes one injection well pump. The pump shall be multi-stage vertical turbine and include bowl assemblies, column pipe, discharge head, sole plate, electric motor, electrical connections, 316 stainless steel intake basket/strainer, field testing, and all other materials and equipment necessary for a complete and operable pumping unit system.

1.02 GUARANTEED EFFICIENCY: Each pump shall operate at not less than the efficiencies stipulated in this specification for the corresponding head and flow conditions. Certified performance curves based on actual testing of the pumps to be shipped shall be prepared and submitted to the Engineer for acceptance prior to shipment. The motor used for the factory test shall be as set forth in Section 16050. If pumps are driven by the VFD, lateral and transitional analysis shall be performed and submitted. A minimum of three test points shall be plotted for each curve. These points shall coincide with the specified flow requirements. At a minimum, the head, flow, horsepower draw and pump efficiency shall be shown at each point. The submitted curves shall show the date, time and location of the test and be signed by the person in responsible charge of performing the test. In the event the pump does not meet the specified efficiency, the Manufacturer shall make the necessary modifications, repairs or replacements to make the unit conform with the specifications and re-test the unit in accordance with the above criteria to demonstrate conformance. The modifications shall include, but not be limited to, polishing the impellers and/or bowls, porcelain lining the bowls, and/or enamel coating the bowls.

1.03 ACCEPTABLE MANUFACTURERS: The pumps shall be manufactured by, and the pumping unit shall be as assembled by Weir Floway Pumps. No substitutions will be accepted.

PART 2 – PRODUCTS

2.01 VERTICAL TURBINE PUMPS

A. OPERATING CHARACTERISTICS: Each pump shall satisfy the following flow, head and efficiency requirements.

INJECTION WELL PUMP (1 REQUIRED)

	Flow (gpm)	Maximum TDH (ft)	HEAD(ft) Design	Minimum	Minimum Efficiency
	1700	176		170	79%
Design Pt.	2100		148		81%
	2500	113		111	75%

The pump shall be either 12-inch 3 stage and driven by a 100 horsepower, vertical solid shaft, non-reverse ratched nominal 1800 RPM, 460 volt, 3 phase, 60 cycle, TEFC, motor with a 1.15 service factor, and 144 watt-space heater.

The pump listed above shall not overload the motor anywhere along their curves independent of the motor service factor with the motors operating at 460 volts. Motors shall be inverter duty as specified in Section 16050 Electric Motors.

B. BOWL ASSEMBLY: The pump bowls shall be of Class 30 or Class 40 cast iron, free of Blow holes, sand holes and other detrimental defects and shall be accurately machined and lined as required to meet the design conditions. The top case shall have water lubricated bronze bearings. Series case bearings shall be at least two times the shaft diameter in length. The impellers shall be enclosed, manufactured from bronze except the reclaimed water pumps which shall be nickel-aluminum-bronze ASTM B148-958 or 316SS. The impellers shall be statically and dynamically balanced. They shall be vertically adjustable by an external means and include a positive locking device. The pump shafting shall be Type 416 SS, turned and ground. It shall be supported by bronze bearings above and below each impeller. The size of the shaft shall not be less than determined by AWWA E-101 & ANSI Specification B58.1. Each pump shall be equipped with a 316 SS basket strainer and hardware.

C. COLUMN AND SHAFT: The pump column shall be constructed using steel (ASTM A53) threaded column sections, bronze bearing retainers, product lubricated fluted type bronze bearings and stainless steel (ASTM 582-416) shaft. Column pipe sections are not to exceed ten feet in length. Top and bottom sections shall not exceed 5 feet in length. The column shall be sized to limit the friction loss to 5 feet per 100 feet of length, based on design flow. Bearing retainer shall be provided at each column joint to locate line shaft bearings. Bearing spacing shall be such that the operating speed of the pump is at least 20% away from any critical speed of the shaft to prevent pump resonance. The column pipes shall be of the length and size indicated on the drawings. Non-standard lengths are required. The indicated settings shall be maintained with a tolerance of 1-inch, plus or minus. Column pipe shall be tapered or straight diameter as shown in the drawings. The column shall be internally and externally coated per Manufacturer recommendation and similar to existing injection well pumps in service.

The line shafts and couplings shall be 416 SS (ASTM 582-416). The shaft shall be furnished in sections to match the column with interchangeable intermediate sections. The size of the line shaft shall not be less than required by AWWA E-101 & ANSI Specification B58.1, and shall be such that elongation due to hydraulic thrust will not exceed the axial clearance of the impellers in the pump bowls. The bearings shall be product lubricated, fluted type, spread at intervals not to exceed 10 feet and fabricated of a resilient rubber composition.

D. DISCHARGE HEAD & SOLE PLATE: Each pump shall be supplied with a 3-piece segmented fabricated steel discharge head with flanged discharge connection and sole plate. Both items shall be coated per Section 09800. The discharge head shall be free from blow holes, sand holes and other detrimental defects and be accurately machined. The head shall incorporate a discharge elbow having a flanged connection designed for through bolting. The flange shall conform to ANSI B16.5, 150 pound class and be flat faced. A separate head shaft constructed of ASTM A276, Type 416 SS with coupling in, the pump head shall be furnished. The head shall be provided with a John Crane Type 5610 mechanical seal. Sole plate shall be sized to accommodate the head and structure opening size set forth in the plans.

SECTION 16050
ELECTRIC MOTORS

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS:

A. This specification section outlines the requirements for all three phase electric motors. Motors five (5) horsepower and larger shall meet all applicable requirements set forth herein. Smaller motors shall be as specified in the various other specification sections, but in general, shall be of premium quality, suitable for the environmental conditions of the installation location, suitable for continuous duty under the actual load conditions excluding service factor, externally coated in accordance with Section 09800 and built in accordance with the requirements of ANSI, IEEE, NEMA and UL Standards. All motors shall be constructed in accordance with the manufacturer's standard practices where they do not conflict with this specification.

1.02 APPLICABLE STANDARDS:

A. All electric motors, 25 hp or larger, shall be manufactured according to the issue of the following standards current at the time of the bid.

1. Motor Performance Testing: NEMA MG1 - I2.53A. IEEE 112 Method B.
2. Motor Noise Testing: IEEE 85.
3. Winding Immersion Testing: NEMA MG1 - 20.48.
4. Motor Efficiency Nameplating: NEMA MG1 - I2.53B.
5. General Design Standards: NEMA MG1, ANSI, AFBMA, IEEE.

1.03 APPLICATION: Unless otherwise noted all motors, regardless of size, shall be non-overloading anywhere along the curve of the driven equipment, exclusive of service factor.

PART 2 - PRODUCTS

2.01 ENCLOSURES:

A. The enclosures for all motors shall be cast iron. All enclosures shall be suitably treated to inhibit corrosion and adequately braced to resist distortion and vibration. Drains shall be provided at the lowest location to prohibit accumulation of liquids. Enclosures manufactured from synthetic materials are not acceptable.

B. Enclosures for all motors shall be suitable for the application to the satisfaction of the Engineer. Unless otherwise specified, non-submersible motors installed inside fully enclosed buildings shall be open drip proof and non-submersible motors installed outside fully enclosed buildings shall be totally enclosed, fan cooled.

C. The following enclosure types are referenced in the motor table and in this specification. IDP is "Open Drip Proof", WP-1 is "Weather Protected Type 1" and TEFC is "Totally Enclosed Fan Cooled."

2.02 INSULATION, TEMPERATURE RISE AND MISCELLANEOUS:

A. All motors shall be supplied with Class F insulation system to accommodate continuous operation at 115% of nameplate horsepower. The motors shall be designed to operate at or below the temperature limits of a Class B insulation system when operated continuously at the nameplate horsepower at a 1.0 service factor. These motors shall be rated for 80 degree C temperature rise above an ambient of 40 degrees C. All motors shall have copper stator windings with additional treatment for tropical and fungus moisture, acids and alkalis. This treatment shall be accomplished with a vacuum impregnating process. Leads shall be nonbraided, nonwicking type with lead positioning gasket between the motor frame and conduit box.

2.03 STARTING: All motor windings shall be adequately braced to permit across-the-line full voltage starting. Maximum allowable in-rush shall be 650% FLA. The motor manufacturer shall ensure that the motor has sufficient torque to accelerate the load when started by a reduced voltage auto-transformer type starter with taps set at 65%.

2.04 HORIZONTAL AND VERTICAL MOTORS:

A. The 460 volt horizontal and vertical motors set forth below shall have the following characteristics:

DRIVEN EQUIPMENT	Nominal speed	HP	Voltage	Phase	Cycle	Enclosure	Inverter Duty Required	Required Nominal Efficiency FULL LOAD
Injection Well Pump	1800	100	460	3	60	TEFC	YES	91.0

B. It is noted that some of the identified required nominal efficiencies will dictate the use of premium efficiency motors.

C. Motors not identified above shall have performance characteristics consistent with the specified driven equipment. If not otherwise indicated in the equipment specification or the electrical design documents, motors shall be 460 volt, 3 phase, 60 cycle, standard efficiency. All motors shall be capable of operating at the variation of voltage and frequency specified in NEMA M61. All motors shall have a minimum 1.15 service factor.

2.05 HORIZONTAL MOTOR BEARINGS: The horizontal motors shall have anti-friction bearings with a B10 life of 60,000 hours or greater. Anti friction bearings shall be provided with readily accessible grease inlet and outlet fittings in the bearing housing to allow re-greasing from the exterior.

2.06 VERTICAL MOTORS: The pump driver shall be mounted on the discharge head and be capable of handling the continuous down thrust as specified by the pump manufacturer. The design shall provide a B-10 life of five years at the rated flow. Provisions shall be made for momentary upthrust equal to 30% of the rated downthrust. The motor shall have minimum 75% extra high thrust capability. Unless otherwise indicated, vertical motors shall be vertical solid shaft "P" base drivers designed per NEMA, ANSI and IEEE standards. Vertical motors shall be equipped with non-reversing ratchets.

2.07 INVERTER DUTY MOTORS: All inverter-duty motors shall be supplied with a Class H insulation system to accommodate continuous operation at 15% of the nameplate horsepower at reduced speeds from 10% to 50% of the rated full speed RPM. The motors shall be designed to operate at or below the temperature limits of a Class B insulation system when operated continuously at the nameplate horsepower at 1.0 service factor and 100% the rated full speed RPM and at or below the temperature limits of a Class F insulation system when operated continuously at 155% of the nameplate horsepower and 100% the rated full speed RPM. Inverter-duty motors shall be supplied with constant velocity cooling fans to keep the motor operating temperature within the limits of a Class B insulating system for 100% torque or full load amperes at lower speeds and a Class F insulation system for 115% torque or full load amperes at lower speeds. All inverter-duty motors shall be designed with insulation systems to meet the corona inception voltage requirements of NEMA Part 31.4.4.2, which is rated to withstand peak voltages of up to 1600 volts. INVERTER-READY MOTORS ARE NOT ACCEPTABLE.

2.08 VERTICAL MOTOR BEARINGS & THRUST REQUIREMENTS: The pump driver shall be mounted on the discharge head and be capable of handling the continuous down thrust as specified by the pump manufacturer. The design shall provide a B-10 life of five years at the rated flow. Provisions shall be made for momentary upthrust equal to 30% of the rated downthrust. The motor shall have minimum 75% extra high thrust capability.

2.09 NOISE REQUIREMENTS: Sound levels measured at five feet from the motor shall not exceed 90 DBA.

2.10 SPACE HEATERS: All motors, one horsepower and greater shall be equipped with single phase, 120 volt, 144 watt space heaters, unless otherwise noted on the drawings or elsewhere in this specification. Higher wattages are acceptable per the manufacturer's recommendations on larger motors, subject to the capacity of the CPT or other 120 V power source. Where the manufacturer recommended voltage exceeds the CPT capacity, a larger CPT shall be provided, subject to the Engineer's approval.

2.11 TERMINAL BOXES: The motor lead, space heater terminal boxes shall be cast iron with threaded conduit hubs and stainless steel cap screws. A ground lug shall be provided inside the motor lead terminal box that is attached to the motor frame with a cap screw in a tapped hole in the motor frame.

PART 3 - EXECUTION

3.01 GENERAL: All parts shall be factory assembled and tested prior to shipment. No motor shall be shipped to the site which does not meet all requirements of this specification.

3.02 INSTALLATION: The motor shall be installed true and plumb to meet the requirements of all sections of this specification.

3.03 VIBRATION TESTING: Vibration testing shall be in accordance with acceptable industry standards.

3.04 MEGGAR TESTING: All motors shall be meggar tested upon receipt at the job site and again prior to start-up. All meggar results shall be recorded and presented in report form to the Engineer.

3.05 FACTORY PERFORMANCE TESTING: Motors 100 horsepower and larger shall be factory tested and certified. The tested motor shall be used for any specific equipment (pump, etc.) test. The motor test shall be a short commercial test per NEMA MG1.

SECTION 09800

COATINGS

PART 1 - GENERAL

1.01 SCOPE: The work described in this section of the specifications includes the furnishing of all materials, labor, tools, and equipment to apply all coatings, as specified or as shown on the drawings. This Section includes requirements for the pump and motor unit. The work includes surface preparation and coating all items supplied and installed under this contract, or existing facilities damaged pursuant to this work. All coating systems shall be suitable for use in continuous duty, outdoor service in South Florida.

1.02 GENERAL: All coatings and paints shall be products of the manufacturer(s) approved by the Engineer. The manufacturer's coating schedules, surface preparation and application instructions shall be submitted to the Engineer for approval. Colors shall be selected by the Engineer.

1.04 SUBMITTALS: Submittals shall be in accordance with Section 01300.

A. Manufacturer's Data; Painting: Submit 4 copies of manufacturer's technical information including paint label analysis and application instructions for each material proposed for use.

B. Samples; Painting: Submit samples for Engineer's review of color and texture only. Compliance with all other requirements is the exclusive responsibility of the Manufacturer. Provide a listing of the material and application for each coat of each finish sample. Samples of standard available colors shall be submitted to the Engineer for selection.

1.05 TOLERANCES: This specification sets forth required dry film thicknesses. Where minimum thicknesses are specified all tests shall exceed the minimum amount. However, the manufacturer's maximum thickness recommendation or requirements shall also not be exceeded. Where a maximum is not indicated by the manufacturer, the maximum shall be 150% of the minimum. Where a range of thickness is given, all tests shall be within the specified range. The tolerance is specified by the range.

1.06 MANUFACTURER'S STANDARD COATINGS: The manufacturer's standard coatings on equipment shall be the coating systems specified in this section or as approved by the City shall be utilized. Pump manufacturer shall submit his standard coating system for the pump, column, discharge head, and motor unit for review by the City. Submittals shall include surface preparation, manufacturer of coating system, coating name(s) and dry film thickness, and color selection.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS: The following coating manufacturers are acceptable, where indicated.

1. Tnemec
2. Ameron
3. Koppers
4. Sherwin-Williams
5. DuPont

2.02 COLORS AND FINISHES:

A. General: Prior to beginning work, the Manufacturer will furnish color chips for surfaces to be painted. Use representative colors when preparing samples for review. The Manufacturer is advised that non-standard colors may be required by the Owner.

B. Color Pigments and Finish: Pure, non-fading, applicable types to suit the substrates and outdoor service. The finish of the coating system shall be gloss on all pumps and motors unless otherwise indicated.

C. Paint Coordination: Provide specified finish coats which are compatible with specified prime paints used. Review other sections of these specifications in which prime paints are to be provided to ensure compatibility of total coatings system for various substrates. Upon request from other trades, furnish information on characteristics of finish materials proposed for use, to ensure compatible prime coats are used. Remove incompatible primers and re-prime as required. Notify the Engineer in writing of any anticipated problems using specified coating systems with substrates primed by others.

D. Color Coding: Pump shall be color coded per AWWA classifications or other applicable standards. Where AWWA does not designate a color, industry standards color, as indicated by the Engineer, shall be used.

2.03 MATERIAL QUALITY:

A. Provide the best quality grade of the various types of coatings regularly manufactured by acceptable paint materials manufacturers. Materials not displaying the manufacturer's identification as a standard, best-grade product will not be acceptable.

1. Proprietary names used to designate colors or materials are not intended to imply that products of the named manufacturers are required to the exclusion of equivalent products of other manufacturers.

2. Federal Specifications establish the minimum acceptable quality for paint materials. Provide a written certification from the paint manufacturer that materials provided meet or exceed these minimums.

3. Manufacturer's products which comply with the coating qualitative requirements of applicable Federal Specifications, yet differ in quantitative requirements, may be considered for use only when acceptable to the Engineer. Furnish material data and manufacturer's certificate of performance to the Engineer for any proposed substitutions.

4. Provide undercoat paint produced by the same manufacturer as the finish coats. Use only thinners approved by the paint manufacturer, and use only within recommended limits.

5. The primer, overcoat, and intermediate coats shall be from one manufacturer, exclusive of Thoroseal, where specified.

6. Include a mildewcide in all finished surface coatings.

2.04 COATING SYSTEMS:

A. New Motors, Pumps, Gear Boxes and other mechanical equipment - Non-Submerged.

1. Primer Coat - Surface Preparation and Primer coat shall be manufacturer's shop provided per this specification.
 - a. Ameron Amerlock 400 with a dry film thickness equal to 5.0 - 8.0 mils.
 - b. Tnemec 135 Chembuild epoxy mastic, with a dry film thickness equal to 4.0 - 6.0 mils.
2. Intermediate Coat:
 - a. Amercoat 383 HS polyamide epoxy with a minimum dry film thickness equal to 5.0 mils.
 - b. Tnemec Series 66 Hi-Build Epoxoline, with a minimum dry film thickness equal to 4.0 mils.
3. Finish Coat:
 - a. Amercoat 450 HS aliphatic polyurethane coating with a UV inhibitor and minimum dry film thickness equal to 2.0.
 - b. Tnemec Series 1074U with a minimum dry film thickness equal to 2.5 mils.

B. New Pump Columns and Submerged Equipment:

Manufacturer's standard coating system for submerged potable water applications. All coating systems shall be approved in accordance with NSF 61

PART 3 - EXECUTION

3.01 INSPECTION:

A. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions otherwise detrimental to the formation of a durable paint film.

3.02 SURFACE PREPARATION:

A. General: Perform preparation and cleaning procedures in strict accordance with the paint manufacturer's instructions and as herein specified, for each particular substrate condition.

B. Compatibility: Confirm compatibility with substrates where existing facilities are to be re-coated as part of this project. Scarify or otherwise prepare existing coated surfaces as recommended by the manufacturer and to the satisfaction of the Engineer.

1. New pumps, motors, or similar equipment shall be manufacturer's shop primed using the specified system. Intermediate and finish coats shall be manufacturer's shop applied. The manufacturer of all pumps, motors, and similar mechanical equipment shall submit a written certification to the Engineer that the surface preparation, prime coats, and paint coats satisfy the specification requirements. This certification shall be submitted and accepted prior to release for shipment. Touch up shall be applied as required. The equipment manufacturer shall submit written documentation confirming the surface preparation and coating is per

specification. The manufacturer is specifically advised that the dry film thickness of all factory applied coatings will be field confirmed by the Engineer.

3.04 APPLICATION:

A. Apply paint in accordance with the manufacturer's directions. Follow application instructions otherwise specified herein and use applicators and techniques best suited for the substrate and type of material being applied. All coatings applied to piping, duct, valving, pumps, blowers, motors, miscellaneous equipment, structural members, supports and tankage shall be spray applied.

3.05 SCHEDULING PAINTING & COVERAGE:

A. First Coat: Apply the first-coat material to surfaces that have been cleaned, pretreated or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.

B. Successive Coats: Allow sufficient time between successive coatings to permit proper drying. Do not recoat until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and the application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.

C. Coverage: Application of the specified coating thicknesses and number of coats shall not relieve the Manufacturer from the obligation to provide a complete, smooth, even final system that yields coverage with no blemishes, inconsistencies or bleed-thru. Additional coats above the number specified shall be applied as required to produce a final result acceptable to the Engineer.

3.06 TOUCH-UP: The Manufacturer shall supply the Owner with one quart of each coating and color used on this project. Cans shall be unopened and properly identified.

3.07 WORK QUALITY: The finished surfaces shall be free from runs, ridges, drips, waves, laps, and variation in color, texture, and finish.

END OF SECTION 09800

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SECTION 01300

SUBMITTALS

PART 1 - GENERAL

1.01 DESCRIPTION OF REQUIREMENT

The types of submittals controlled by these general requirements include shop drawings, operation and maintenance manuals, instruction manuals, samples, and miscellaneous work-related submittals. The individual submittal requirements are specified herein and in applicable sections for each unit of work.

1.02 PUMP FIT

Prior to releasing pumping unit for fabrication and testing, it shall be the responsibility of the pump manufacturer to confirm pump fit with wet well and discharge head. The Manufacturer shall also confirm the variable frequency drive (VFD) that is in place and the compatibility of the motor unit with the VFD.

1.03 GENERAL SUBMITTAL REQUIREMENTS

A. Coordination and Sequencing: The Manufacturer shall coordinate preparation and processing of submittals with performance of the work so that the work will not be delayed by submittals. The Manufacturer shall allow for adequate review time by the Engineer for the submittals. The Manufacturer shall coordinate and sequence different categories of submittals for the same work, and for interfacing units of work, so that one will not be delayed for coordination with another. No extension of time will be allowed because of failure to properly coordinate and sequence submittals.

B. Preparation of Submittals: Provide permanent marking on each submittal to identify project, date, Manufacturer, submanufacturer, submittal name and similar information to distinguish it from other submittals. Each submittal shall clearly state where the item is to be installed. Package each submittal appropriately for transmittal and handling. Submittals which are received from sources other than through Manufacturer's office will be returned without action. All results of testing by independent labs or agencies shall be submitted to the Engineer. This shall include both passing and failing tests.

1.05 GENERAL SHOP DRAWING REQUIREMENTS

A. As soon as practicable and within thirty (30) days after the date of execution of the contract, the Manufacturer, in conformance with the conditions of the contract, shall submit to the Engineer for approval, four (4) copies (in addition to those copies necessary for his own requirements to a maximum of three (3) copies) of all required shop drawings. The Manufacturer shall submit newly prepared information: do not reproduce contract documents or copy standard printed information as basis of shop drawings. Prepare on reproducible sheets, not less than 8-1/2 in. x 11 in. and not larger than 24 in. x 36 in., except for actual pattern or template type drawings. Prepare shop drawings to accurate scale, except where other form is indicated as acceptable. Show dimensions and note which are based on field measurements, identify materials and products in the work shown. Indicate name of firm which has prepared each shop drawing, and provide appropriate project identification.

B. Shop drawings submitted to the Engineer for his approval shall first be checked and approved by the Manufacturer, as indicated by a "checked" stamp marked "**Furnish as Submitted**" on each copy of the shop drawing. Shop drawings received without the Manufacturer's "Checked and Furnish as

Submitted" stamp will be returned without further action. The Manufacturer will receive only one marked up return copy of any drawings stamped "Rejected" or "Revise and Resubmit".

C. Shop drawings shall be submitted for the following:

1. All Pumps & Motors
2. Any other Items Requested by the Engineer

D. Product Data: Collect required data into one submittal for each unit of work or system; and mark each copy to show which choices and options are applicable to the project. Include manufacturer's standard printed recommendations for application and use, compliance with standards, application of labels and seals, notation of field measurements which have been checked, and special coordination requirements. Maintain one set of product data for each submittal at the project site, available for reference by the Engineer. For purposes of this submittal, manufacturer's fabrication drawings shall be synonymous with shop drawings.

E. The Manufacturer shall not submit product data or allow its use on the project, until compliance with requirements of the contract documents has been confirmed. Submittal is for information and record, unless otherwise indicated.

1.06 OPERATION AND MAINTENANCE/INSTRUCTION MANUALS

A. Four (4) copies of the operation and maintenance manuals for each component of the project shall be provided to the Engineer for transmittal to the Owner. The manuals shall be bound in a three ring binder with a suitable label identifying the project, date and location. A table of contents and indexing tabs shall be provided for each equipment item. A separate table shall identify specifically where each item listed in the table of contents is installed. One CD-ROM with the entire manual in PDF format shall also be supplied.

B. A standard printed list of manufacturer's recommended spare parts for each new component of the project equipment shall be included in the manual. The manuals shall also include a complete list of parts suppliers with addresses and telephone numbers for each system component.

C. The manuals shall include a complete set of preventive maintenance requirements as a function of running and chronological time.

D. All material included in the manuals shall refer only to the actual installed equipment. Extraneous material shall be marked out or labeled as "not applicable". All manuals shall be furnished to the Engineer a minimum of four weeks prior to the request for substantial completion or four weeks prior to the equipment being placed in operation, whichever is earlier.

1.07 SPARE PARTS AND LUBRICANTS:

A. Except as may be otherwise noted in this specification, for each individual component supplied, a complete set of manufacturer's recommended spare parts as listed in the instruction manuals shall be supplied. In no case shall the provided parts be less than recommended spare parts listed by the manufacturer in their O&M Manual. Each spare part shall be labeled to identify its location for installation.

B. All special tools or instruments, if any, required to perform normal in-field maintenance on all system components shall be supplied to the Owner. The provision for special tools shall be non-redundant where duplicate items are provided.

A one year supply of all lubricants used for any mechanical equipment provided under this contract shall be supplied to the Engineer for delivery to the Owner. All lubricants shall be delivered in clean, tightly sealed containers and clearly labeled as to where they are to be used.

PART 2 AND 3 - PRODUCTS AND EXECUTION (not applicable)

END OF SECTION 01300

SECTION 11100

PUMPS, GENERAL

PART 1 -- GENERAL

1.01 THE REQUIREMENT

- A. The Manufacturer shall furnish all tools, supplies, materials, equipment and labor necessary for the manufacture, delivery, testing, and placing into operation of all pumps and pumping appurtenances, complete and operable, all in accordance with the requirements of the Contract Documents.
- B. The provisions of this Section shall apply to all pumps and pumping equipment specified.
- C. The Manufacturer shall have full responsibility for the furnishing and functional operation of the complete pump systems including the pumps, drives, drive motors and accessories. The designated single Supplier, however, need not manufacture more than one part of the unit (pump, or motor and drive), but shall coordinate the design, assembly, testing, and erection of the unit(s) as specified herein.
- D. Upon delivery, but prior to acceptance of the pumping unit by the Owner for off-loading at the site, the manufacturer shall inspect the pumping unit with the Owner present. All defects, including coating defects, abrasions, dents shall be noted. The pumping unit shall not be off-loaded at the site until the inspection has been performed. Acceptance of the pumping unit by the Owner for off-loading does not constitute overall acceptance of the pumping unit for service. The Manufacturer shall correct all defects as directed by the Owner at the Manufacturer's sole expense.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 01300 - Submittals
- B. Section 09800 - Coatings
- C. Section 11215 - Vertical Turbine Pumps
- D. Section 16050 - Electric Motors

1.03 REFERENCE SPECIFICATIONS, CODES AND STANDARDS

- 1. ANSI/NFPA 70 National Electric Code
- B. Commercial Standards
 - 1. ANSI B16.1 Cast Iron Pipe Flanges and Flanged Fittings, Class 25, 125, 250 and 800.
 - 2. ANSI B16.5 Pipe Flanges and Flanged Fittings, Steel Nickel Alloy and Other Special Alloys.
 - 3. ANSI/ASME B31.1 Power Piping.

- | | | |
|-----|---------------------|---|
| 4. | ANSI/ASME B73.1M | Specifications for Horizontal End Suction Centrifugal Pumps for Chemical Process. |
| 5. | ANSI/ASME B73.2M | Specifications for Vertical In-Line Centrifugal Pumps for Chemical Process. |
| 6. | ANSI/AWWA E101 | Deep Well Vertical Turbine Pumps - Line Shaft and Submersible Types. |
| 7. | ANSI/IEEE 112 | Test Procedure for Polyphase Induction Motors and Generators. |
| 8. | ANSI/IEEE 115 | Test Procedure for Synchronous Machines. |
| 9. | ASTM A 48 | Specification for Gray Iron Castings. |
| 10. | ASTM A 470 | Specification for Vacuum-Treated Carbon and Alloy Forgings for Turbine Rotors and Shafts. |
| 11. | ASTM A 536 | Specification for Ductile Iron Castings. |
| 12. | ASTM E 448 | Recommended Practice for Scleroscope Hardness Testing of Metallic Materials. |
| 13. | ASTM B 62 | Specification for Composition Bronze or Ounce Metal Castings. |
| 14. | Hydraulic Institute | Standards for Centrifugal, Rotary, and Reciprocating Pumps. |

1.04 SUBMITTALS

A. Shop Drawings

1. Shop drawings of all pumps shall be submitted to the Engineer in accordance with Section 01300 entitled "Submittals". Shop drawings shall contain the following information as a minimum. Refer to individual pump type for any additional requirements.
 - a. Pump name, identification number and specification number.
 - b. Performance curve and pump data.
 - c. Pump hydraulic characteristic curves, efficiencies, required NPSH, and horsepower curves at pump rotative speeds corresponding to the conditions specified. For variable speed driven pumps, curves shall be submitted at minimum, intermediate and maximum operating speed as well as for operation with the variable speed drive bypassed (across the line). The Manufacturer shall indicate points on the H/Q curves, and the limits recommended for stable operation between which the pumps may be operated without surge, cavitation and vibration. The stable operating range shall be as wide as possible based on actual hydraulic and mechanical tests. Motors and drives shall be furnished so

that they are non-overloaded throughout the entire stable operating range of the pump. The use of service factors in this determination will not be allowed.

- d. General cutaway sections, materials, dimension of shaft projections, shaft and keyway dimensions, shaft diameter, dimension between bearings, general dimensions of pump, suction head bolt orientation, design or baseplate, and anchor bolt locations and forces, shaft, column, discharge head, intake basket, etc..
- e. Electrical data including control and wiring diagrams.
- f. Pump drive and motor data in accordance with Section 16405 entitled "Electric Motors".
- g. Calculations for B-10 bearing life, shaft size, coupling size and anchor bolt size, if requested.
- h. Uncrated weight of the pump, weight of heaviest part of pump.
- i. Foundry certificates and results of Brinnell hardness testing showing compliance to ASTM A 532, if requested. Each individual casting shall be Brinnell tested in a minimum of two places, in an area of representative casting thickness to ASTM Method E-10. Results shall be certified by a registered professional Engineer. Test results shall verify the satisfaction of the required Brinnell hardness of the finished product as specified in respective subsections.
- j. Where pump and motor speeds are to be regulated by variable speed drives, the Manufacturer shall coordinate, furnish and exchange all necessary requirements with the respective equipment manufacturers to ensure compatibility and shall submit pump, motor and variable speed drive shop drawings together as a complete system.

B. Certification

- 1. The Manufacturer shall submit written certification, stating that the equipment will efficiently and thoroughly perform the required functions in accordance with these Specifications. Manufacturer shall have unit responsibility for coordination of all equipment, including motors, variable speed drives, controls, and services required for proper installation and operation of the completely assembled and installed pump. The Manufacturer shall submit all such certificates to confirm that such coordination has taken place to the Owner.

C. O & M Manuals

- 1. Prior to start-up the Manufacturer shall furnish complete operations and maintenance manuals in accordance with Section 01300 entitled "Submittals".

D. Spare Parts

- 1. The pump manufacturer shall submit to the City a list of suggested spare parts of all items of the pump, motor, and drive, subject to wear, such as seals, packing, gaskets, nuts, bolts, washers, wear rings, etc., as well as a set of spare bearings. He shall furnish all these parts suitably packaged and labeled with the part number,

manufacturer's description, and the associated equipment number described above for tools. Required spare parts shall be as specified in individual sections of the specification. If not listed there, then spare parts shall conform to the standards of the proposed supplier.

E. Maintenance

1. Printed instructions relating to proper maintenance, including lubrication, and parts lists indicating the various parts by name, number, and diagram where necessary, shall be furnished in duplicate with each unit or set of identical units in each pumping station. A recommended spare parts list shall be included.

F. Field Procedures

1. Instructions for field procedures for erection, adjustments, inspection, and testing shall be provided with the shop drawings.
2. Prior to startup and testing of the pumping unit, the Manufacturer's representative shall inspect the pumping unit installation and shall provide the Owner with a list of any deficiencies.

1.05 MANUFACTURERS

- A. All pumps covered by the Specifications are intended to be standard equipment and manufactured by reputable manufacturers having experience in the production of such pump. The pump furnished shall be designed, constructed and installed in accordance with the best practices and methods and shall operate satisfactorily.

1.06 MANUFACTURER'S EXPERIENCE

- A. Unless otherwise directed by the Engineer, all pumps furnished shall have record of at least five years of successful, trouble-free operation in similar applications, from the same manufacturer.

1.07 ELECTRIC MOTOR SUBMITTALS

A. Shop Drawings:

1. Complete Descriptive information.
2. Nameplate data in accordance with NEMA MG 1.
3. Additional Rating Information:
 - a. Service factor.
 - b. Locked rotor current.
 - c. No load current.
 - d. Safe stall time for motors 200 horsepower and larger.
 - e. Multispeed load classification (e.g., variable torque).

- f. Adjustable frequency drive motor load classification (e.g., variable torque) and minimum allowable motor speed for that load classification.
- 4. Enclosure type and mounting (e.g. horizontal, vertical).
- 5. Dimensions and total weight.
- 6. Conduit box dimensions and usable volume as defined in NEMA MG 1 and NFPA 70.
- 7. Bearing type.
- 8. Bearing lubrication.
- 9. Bearing life.
- 10. Space heater voltage and watts.
- 11. Description and rating of motor thermal protection.
- 12. Motor sound power level in accordance with NEMA MG 1.
- 13. Maximum brake horsepower required by the equipment driven by the motor.
- 14. Description and rating of submersible motor moisture-sensing system.

B. Quality Control Submittals:

- 1. Factory test reports, certified.
- 2. Manufacturer's Certificate of Proper Installation, 100 horsepower and larger.
- 3. Operation and Maintenance Manual.

1.08 SERVICES OF MANUFACTURER'S REPRESENTATIVE

- A. The Manufacturer shall provide the services of a qualified technical representative who shall adequately inspect the installation and perform testing of the pumping equipment furnished under this Contract and instruct the Owner's operating personnel in its maintenance and operation as outlined in the General Conditions and Division 1. As a minimum the services of the manufacturer's representative shall be provided for periods stated in the following schedule unless additional time and/or requirements are identified in specific Sections:

Installation Trip <u>(days)</u>	Operation Trip <u>Days*</u>	Guaranteed Period Trip <u>(days)</u>
1	1	1

* *During Operation Trip the manufacturer, shall instruct Owner's personnel.*

- B. Any additional time required to achieve successful installation and operation shall be at the expense of the Manufacturer.

- C. The manufacturer's representative shall sign in and out at the Owner's office on each day present at the project.

1.09 QUALITY ASSURANCE

A. Performance Curves

- 1. All centrifugal pumps shall have a continuously rising curve. In no case shall the required horsepower at any point on the performance curve exceed the rated horsepower of the motor or engine. Safety factors will not be considered in determining compliance with this requirement.

B. Equipment Testing

- 1. The Manufacturer shall be responsible for the coordination of the following tests of each pump, drive, and motor. Pump tests shall utilize the actual motors and pump-motor bases to be furnished with the pumping equipment. Use of the pump manufacturer's standard test motors is not acceptable. **Use of the pump manufacturer's standard test variable frequency drive is acceptable for reduced speed testing of pumps and motors** acknowledged.
 - a. Factory Tests of Pumps: All pumps and motors greater than 50 horsepower shall be factory witness-tested in accordance with these specifications. Four sets of test data, certified by the Manufacturer, shall be submitted to the Engineer upon completion of the testing procedure.
 - 1) Hydrostatic test of each pump casing at no less than two times the shut off head shown on the characteristic curves for at least one hour.
 - 2) Hydraulic test at rated full speed with a minimum of 10 readings between shutoff head and pump run-out capacity including the specified operating conditions of head and capacity, recorded on data sheets as defined by the Hydraulic Institute, signed, dated, and certified. Where variable speed drives are furnished, the above tests shall be repeated at 90 percent, 80 percent and 65 percent on full speed.
 - 3) Certified pump tests shall be conducted through the specified range of flow vs./head/capacity/efficiency curves plotted at pump design speed prior to connection to variable speed drive control systems (where provided). During each tests, the pump shall be run at each head/capacity condition as specified in the pump schedule for sufficient time to accurately determine and record capacity, head, pump speed, drawn horsepower, pump efficiency, motor efficiency and noise measurement. The pumps shall be tested with submergence as required to demonstrate that the NPSH and submergence required by the pump at the pump run-out point listed in the pump schedule will be satisfied by pump settings furnished.
 - 4) Certification that the pump horsepower demand will not exceed the motor rating at any point on the curve. The motor service factor shall not be considered to demonstrate compliance.

- 5) Certified pump and motor speed torque curves from zero to 100 percent full load speed.
- b. **Factory Tests of Motors:** All motors of sizes 10 horsepower and larger, shall be assembled, tested, and certified at the factory and the working clearances checked to insure that all parts are properly fitted. The tests shall be in accordance with ANSI/IEEE 112 and ANSI/IEEE 115 standards, including heat run and efficiency tests. All computations shall be recorded and 12 certified and dated copies of the test results shall be furnished to the Engineer.
 - c. **Field Tests:** All pumping units shall be field tested after installation, in accordance with the Contract Documents, to demonstrate satisfactory operation, without causing excessive noise, vibration, cavitation, and overheating of the bearings. The field testing shall be performed in the presence of an experienced field representative of the manufacturer of each major item of equipment, who shall supervise the following tasks and shall certify in writing that the equipment and controls have been properly installed, aligned, lubricated, adjusted, and readied for operation:
 - 1) Start-up, check, and operate the equipment over the entire speed range. The vibration shall be within the amplitude limits recommended in the Hydraulic Institute Standards and it shall be recorded at a minimum of 4 pumping conditions defined by the Engineer.
 - 2) Pump performance shall be documented by obtaining concurrent readings, showing motor voltage, amperage, pump suction head, and pump discharge head, for at least 4 pumping conditions at each pump rpm. Each power lead to the motor shall be checked for proper current balance.
 - 3) Bearing temperatures shall be determined by a contact-type thermometer. A running time of at least 20 minutes shall be maintained for this test, unless liquid volume available is insufficient for a complete test.
 - 4) Electrical and instrumentation testing shall conform to applicable sections of these Specifications.
 - 5) The field testing shall be witnessed by the Owner. In the event any of the pumping equipment fails to meet the above test requirements, it shall be modified and retested in accordance with the requirements of these Specifications. The Manufacturer shall certify in writing that the equipment has been satisfactorily tested, and that all final adjustments thereto have been made. Certification shall include date of final acceptance test, as well as a listing of all persons present during tests, and resulting test data. The costs of all work performed in this Paragraph by factory-trained representatives shall be borne by the Manufacturer.
 - d. Field vibration and alignment tests shall be performed on all pumps. Vibration tests shall be made at maximum, intermediate, and minimum speeds for the assembled pumping units in place after installation. Vibration tests shall be conducted in the presence of the Engineer in accordance with the procedures outlined in the applicable standards of the Hydraulic Institute and maximum

vibration shall be within the limits set forth therein. In the event vibration exceeds the specified limits, the pump manufacturer shall make all required balancing and frame adjustments to bring the equipment within the Hydraulic Institute limits.

- e. Acceptance: In the event of failure of any pump to meet any of the above requirements or efficiencies, the Manufacturer shall make all necessary modifications, repairs, or replacements to conform to the requirements of the Contract Documents and the pump shall be re-tested at no additional compensation, until found satisfactory.

1.10 GUARANTEES, WARRANTIES

- A. After completion, the Manufacturer shall furnish to the Owner the manufacturer's written guarantees, that the pumping equipment will operate with the published efficiencies, heads, and flow ranges and meet these specifications. The manufacturer shall furnish the Owner with all warranties as published in its literature and as specified.

PART 2 -- PRODUCTS

2.01 GENERAL

- A. All manufactured items provided under this Section shall be new, of current manufacture, and shall be the products of reputable manufacturers specializing in the manufacture of such products. All Manufacturers shall have had previous experience in manufacture of the pumps specified herein and shall furnish the Owner with names of not less than five successful installations of the manufacturer's equipment of comparable nature to that offered under this contract.
- B. All combinations of manufactured equipment which are provided under these Specifications shall be entirely compatible with each other, and the Manufacturer shall be responsible for the compatible and successful operation of the pumping unit conforming to specified requirements. Each unit of pumping equipment shall incorporate all basic mechanisms, coupling, electric motor or engine drive and unit mounting. All necessary mountings and appurtenances shall be included.

2.03 PUMP APPURTENANCES

- A. Each pump shall be equipped with a stainless steel nameplate, prominently displayed, indicating rated head and flow, pump size and type, impeller size, pump speed, discharge head size, discharge head pressure rating, and manufacturer's name and model and serial number.

2.04 PUMP VIBRATION AND SOUND TESTING REQUIREMENTS - GENERAL

- A. Vibration readings shall be obtained to evaluate the acceptability of the installed rotating equipment and will be used as a baseline for future evaluations. Vibration readings shall comply with the International Standards Organization's ISO 2372. Vibration levels shall be such that it classifies the operation of the machinery in the vibration quality grade of GOOD. In addition, the level of vibration shall meet or exceed the requirements of the equipment manufacturer and in no case shall the casing vibration exceed RMS velocity of 0.08. The Manufacturer shall provide the City with a copy of the field vibration readings.

- B. Sound levels field measured at five feet, ten feet, fifteen feet and 100 feet from the motor shall not exceed 90 DBA. The Manufacturer shall provide the City with a copy of the field vibration readings.
- C. Acceptance: In the event of failure of any pump to meet any of the above vibration and sound requirements, the Manufacturer shall make all necessary modifications, repairs, or replacements to conform to the requirements of the Contract Documents and the pump shall be re-tested at no additional compensation, until found satisfactory.

END OF SECTION - 01100

E-BID REPLY EXCEL SPREADSHEET
E-BID #20120004
FURNISH A 2,100 GPM INJECTION WELL PUMP AND MOTOR

COMPANY NAME:

	Description	Quantity	Units	Unit Cost	Total Cost
1	Pumping Unit: Furnish and deliver one vertical turbine pumping unit, complete with shop drawings, operations and maintenance manuals, pump, column, discharge head, electric motor, coatings, factory testing, shop drawing submittals, certifications, warranties, electrical connections, and all other, submittals, inspections, equipment and appurteances stated or implied, all in accordance with the contract documents, for an assembled, complete and continuous, outdoor operation ready, pumping unit.	1	LS		\$0.00
2	Pumping Unit Startup, Field Testing, and Training, including vibration and sound level readings, in accordance with the contract documents.	1	Day		\$0.00
3	Indemnification Fee	1	LS	\$10.00	\$10.00
Total Bid Amount (In Numbers):					\$10.00

Total Bid In Words:

E-BID REPLY EXCEL SPREADSHEET
 E-BID #20120004
 FURNISH A 2,100 GPM INJECTION WELL PUMP AND MOTOR

COMPANY NAME: R.C. BEACH

	Description	Quantity	Units	Unit Cost	Total Cost
1	Pumping Unit: Furnish and deliver one vertical turbine pumping unit, complete with shop drawings, operations and maintenance manuals, pump, column, discharge head, electric motor, coatings, factory testing, shop drawing submittals, certifications, warranties, electrical connections, and all other, submittals, inspections, equipment and appurteances stated or implied, all in accordance with the contract documents, for an assembled, complete and continuous, outdoor operation ready, pumping unit.	1	LS	66,913.00	66,913.00
2	Pumping Unit Startup, Field Testing, and Training, including vibration and sound level readings, in accordance with the contract documents.	* 3	Day	1000.00	3000.00
3	Indemnification Fee	1	LS	\$10.00	\$10.00

Total Bid Amount (In Numbers): \$69,923.00

* 3 VISITS PER SPECIFICATION

Total Bid In Words:

Bid Reply Sheet
Bid # 20120004
GPM 2.1 Pump & Motor

1. **COMPANY NAME:** R. C. BEACH & ASSOC. INC.

DIVISION OF: _____

PHYSICAL ADDRESS: 539 SAN CHRISTOPHER DR. DUNEDIN, FL. 34698

MAILING ADDRESS: SAME

CITY, STATE, ZIP CODE: DUNEDIN FLORIDA

TELEPHONE NUMBER: () 727-736-3646 FAX NO. () 727-733-2647

CONTACT PERSON: TOM ANDERSON E-MAIL: tanderson@rcbeach.com

2. **ORGANIZATIONAL PROFILE:** (complete all appropriate information)

Is the firm incorporated? Yes -- No If yes, in what state? FLORIDA

William R. Beach, President
 President

Wendy Beach, VP
 Vice President

Wendy Beach, Tre.
 Treasurer

How long in present business: 3/years How long at present location: 17 years

Is firm a minority business: Yes No Does firm have a drug-free workplace program: Yes No
 If no, is your company planning to implement such a program? _____

3. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued
1	4-17-2012
2	4-19-2012
3	4-24-2012

4. **VENDOR'S LIST** - If your company offers commodities other than the one specified for this bid, and you wish to be put on the vendor's list, please contact Onvia.com at (800) 711-1712. Bid Tabulation Reports are advertised on the City's Web Site at www.Cityofpsl.com.

5. BID RESPONSE:

5.1 Bidder will will not accept the Purchasing Card (Visa).
(please circle one)

5.2 Percentage of discount when payment is made with Visa: 0 %

5.3 Bid Reply Sheet Total \$ 69,923.00

5.4 Delivery time 168 days after receipt of order.

6. INSURANCE CERTIFICATES LICENSE - Bidders are required, in accordance with Section 5, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain. Bidders are required to submit all licenses and certifications required to perform this project.

7. COMPLETION OF FORM - An authorized representative of the firm offering this Bid must complete this form in its entirety. Prices entered herein shall not be subject to withdrawal or escalation by Bidder. The City reserves the right to hold proposals and bid guarantees for a period not to exceed 90 days after the date of the bid opening stated in the Invitation to Bid before awarding the Bid. Bid award constitutes the date that City Council executes the motion to award the bid.

8. CONTRACT - Bidder agrees to comply with all requirements stated in the specifications for this bid.

9. CERTIFICATION

This bid is submitted by: Name (print) William R. Beach, President who is an officer of the above firm duly authorized to sign bids and enter into Contracts. I certify that this bid is made without prior understanding, Contract, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this bid.

William R. Beach, President 04-25-12
Signature Date

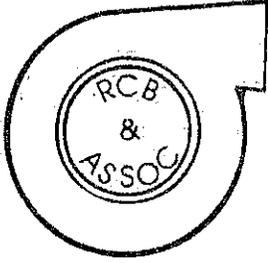
11. Is Bidder related to any City Employee? NO

William R. Beach, President President
Signature Title

If a corporation renders this Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this Bid shall attach to this form evidence of legal authority.

(seal)

Reference Checked	
Clerk Checked	



RC BEACH & ASSOC. INC.

539 SAN CHRISTOPHER DRIVE DUNEDIN, FLORIDA 34698 USA
PHONE (727) 736-3696 FAX (727) 733-2647
WWW.RCBEACH.COM

Bid Date: April 24, 2012

Westport WWTF Injection Well Pump No. 5

**Project: Furnish a 2,100 GPM Injection Well Pump and Motor
BID #20120004**

Owner: City of Port St. Lucie

Acknowledgement: Addendum #1 Dated April 17, 2012

Addendum # 2 Dated April 19, 2012

Addendum # 3 Dated April 24, 2012

We are pleased to offer the following equipment for your consideration on this project.

SPECIFICATION SECTION 11215 VERTICAL TURBINE PUMP

Injection Well Pump

One (1) each Weir Floway Model 14DKH-2 Stage vertical turbine pump cast iron bronze fitted to pump 2100 GPM to a discharge head of 148 FT when operating at 1770 RPM and driven by a 100 HP 1800 RPM 3 phase 60 hertz vertical solid shaft motor with Class H, 1.15 SF, Inverter Duty, Corrosive Duty, Premium efficiency, NRR and TEFC type enclosure.

Equipment as above described complete with 12 inch 150 LB flanged discharge head, coupling, mechanical seal, threaded 12 inch column, 416SST line shaft, special coating, factory performance testing with certified lab motor, P.E. certified, start up and training.

Note: Torsional and lateral analysis have been provided on previously supplied Weir Floway pumps. Any new (substitute) pumps will require lateral and torsional analysis.

Price NET FOB factory Fresno California freight allowed to the job site in Florida is: \$69,923.00 lot of One (1) pump and motor.

Spare Parts Included Are:

One (1) Spare mechanical seal

One (1) Set all bearings

1. Add to above if discharge gages required with pet cock, snubber and gauge **add \$429.00 each.**

2. For 316SST L type anchor bolts for mounting suction barrel top plate (no sleeves included double nut and washers only) Add \$300.00.

All equipment is offered with manufactures standard equipment warranty. No liquidated damages are accepted in this proposal. Standard terms are net 30 days. No Florida sales or use tax included should it apply.

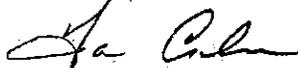
Delivery for equipment is quoted at 22-28 weeks subject to engineering approval and may change at order entry based on current production schedules in manufacturing. Submittals will be in 6 to 8 weeks from receipt of order.

No anchor bolts, wiring, installations, control panels, plumbing, valves are included in this proposal unless otherwise stated.

Start up services included in a supervisory capacity only. All manufactures standard warranties are quoted and apply in this proposal. Manufacturer warranties and start up services terms are attached.

Once again thank you for the chance to offer equipment on this important project.

Very truly yours,



R. C. Beach & Assoc., Inc.
Representing
Weir-Floway Pump Co.

cc Brian Sullivan- Weir Floway
David Aldrich- Weir Floway



Pump Performance Datasheet

Customer	: RC Beach	Quote number	: 190997
Customer reference		Size	: 14DKH
Item number	: 002	Stages	: 2
Service	: Pump only	Based on curve number	: 14DKH 1770 Rev. 0
Quantity	: 1	Date last saved	: 19 Apr 2012 12:54 PM

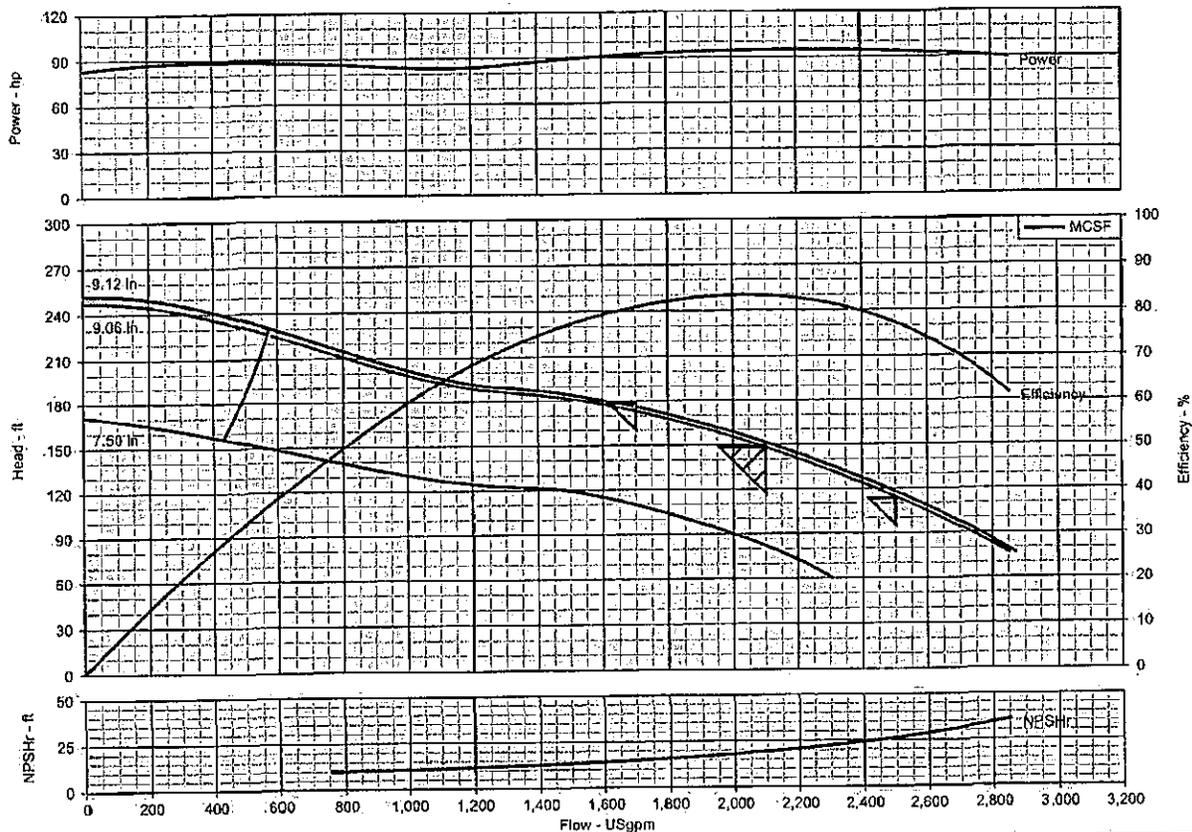
Operating Conditions		Liquid	
Flow, rated	: 2,100.0 USgpm	Liquid type	: Water - Clean
Differential head / pressure, rated (requested)	: 148.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 148.6 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG

Performance		Material	
Speed, rated	: 1,770 rpm	Material selected	: Cast Iron/Bronze
Impeller diameter, rated	: 9.06 in.		
Impeller diameter, maximum	: 9.12 in.		
Impeller diameter, minimum	: 7.50 in.		
Efficiency (bowl / pump)	: 83.19 / 80.86 %		
NPSH required / margin required	: 19.01 / 0.00 ft		
Ns (imp. eye flow) / Nss (imp. eye flow)	: 3,083 / 9,015 US Units		
MCSF	: 568.3 USgpm		
Head, maximum, rated diameter	: 247.0 ft.		
Head rise to shutoff	: 66.89 %		
Flow, best. eff. point (BEP)	: 2,037.3 USgpm		
Flow ratio (rated / BEP)	: 103.08 %		
Diameter ratio (rated / max)	: 99.32 %		
Head ratio (rated dia / max dia)	: 97.62 %		
Cq/Ch/Ce [ANSI/HI 9.8.7-2004]	: 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

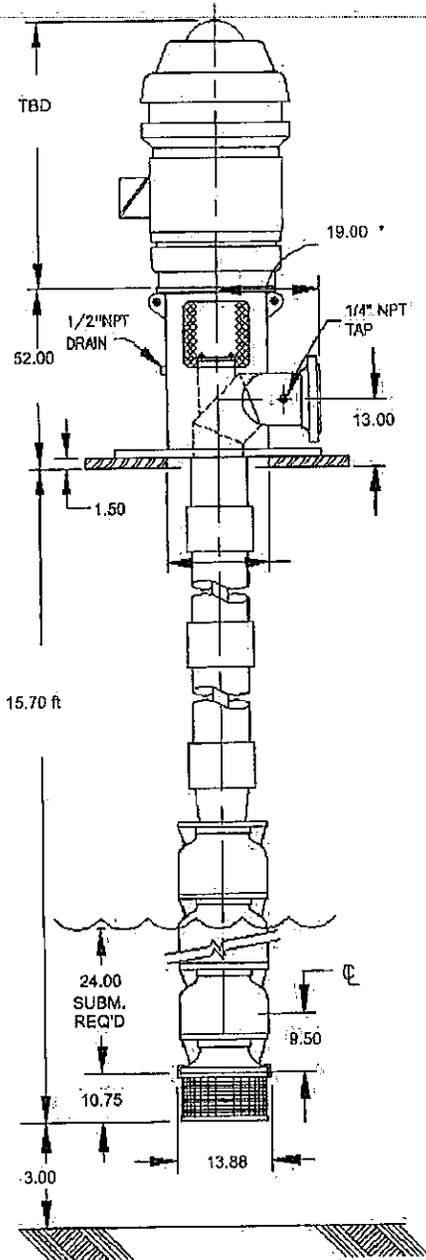
Pressure Data	
Maximum working pressure	: 106.9 psi.g
Maximum allowable working pressure	: 358.3 psi.g
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data	
Driver sizing specification	: Max power + 5%
Margin over specification	: 0.00 %
Service factor	: 1.15
Power, hydraulic	: 78.48 hp
Power (bowl / pump)	: 94.32 / 94.80 hp
Power, maximum, rated diameter	: 94.88 hp
Minimum recommended motor rating	: 100 hp / 74.57 kW

Bowl performance: Adjusted for construction and viscosity.
The duty point represents the head at the bowl.



VERTICAL TURBINE PUMP
 2,100.0 USgpm 148.0 ft TDH
 2 STAGE TYPE 14DKH
 12x24.5FR DISCHARGE HEAD



Discharge
 12 in. 150#RF - ANSI Flange
 19 in. Dia. Flange
 12 - 1 in. Dia. holes
 17 in. Bolt circle

* TYPICAL LOCATION FOR DISCHARGE NOZZLE
 ** FINAL HEAD HEIGHT WILL BE DETERMINED BASED ON INTERNAL ANALYSIS AND SPECIFICATION REVIEW
 NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED.

NOTES:
 ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.
 DRAWING NOT TO SCALE.

REV.	BY	DATE	DESCRIPTION

Customer: RC Beach Customer Reference: WWTP Item Number: 002 Curve Number: 14DKH 1770 Date: 19 Apr 2012	<p>OUTLINE DRAWING</p> <hr/> <p>DRAWING</p>
---	---



Date: April 23, 2012
 Customer:
 Attention:
 Reference: PORT ST LUCIE

CURRENT		PHASE		CYCLES		VOLTS	
AC		3		60		460	
ITEM	QTY	HP	FRAME	SPEED	WEIGHT	TYPE	
A	1	100	405VP	1800	1600#	TVC14	

DESCRIPTION:

- NEMA Vertical Solid Shaft
- TEFC
- P Base
- High Thrust
- Random Wound
- Premium Efficient
- 1.15 SF
- Class "H" ~ VPI 2000
- Altitude In Feet (Max): 3300 Ft
- Ambient In Degree C (Max): +40 C
- Inverter Duty: Variable Torque; 10:1
- Inrush Limit: ~ 650%
- "B" Rise @ 1.0 SF (Resist)
- Direct-On-Line Start
- Continuous Duty
- Non-Reverse Ratchet
- Counter CW Rotation FODE
- Stainless Steel Drain-Lower Br
- Corro-Duty
- Ground Lug In Conduit Box
- Shaft Ground Ring
- Insulated Bearing - Upper Bracket
- 115 Volt Space Heaters
- Thermostats - Normally Closed
- Special Paint/Primer
- 16.5" Base Diameter

Complete Initial Test (unwit) -

Quote Comments: 16050-p.1-5

1. 1.02 - Motors shall be designed, built and tested per NEMA MG1 standard. Take exception to all other standards.

Special Note:

These motors qualify for the "buy American" conditions for the American Recovery and Reinvestment Act (ARRA) of 2009, without waivers.

TERMS	* ESTIMATED LEAD TIME	** FREIGHT	F.O.B.
Net 30 Days	8 - 10 Weeks + Transit	Collect	Shipping Point

* Customer delivery schedules will be confirmed after acceptance and release of production order to Nidec factory. Delivery will be subject to lead-time at the time of customer release, which may vary from the estimated lead-time quoted.
 ** All prepaid shipments are subject to fuel charges at the current national average.

F.O.B. SHIPPING POINT: All contracts and quotations are subject to our standard terms and conditions and acceptance at our main office, St. Louis, Missouri, and are contingent upon strikes, fires, accidents, and other delay unavoidable or beyond our control. In the event of a change in the company's price, the price on units unshipped will be the price in effect on the date of shipment, or as provided in our published price policy. Copy of this policy is attached. This quotation expires in 30 days. Time may be extended with our written approval.



†† All non-Nidec Motor Corporation marks shown within this document are properties of their respective owners.
 * Nidec trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.

Weir Floway, Inc.

.494 S. Railroad Ave.
P.O. Box 164
Fresno, CA 93707

Tel: (559) 442-4000
Fax: (559) 442-3098
www.weirminerals.com

Excellent
Minerals
Solutions



TERMS AND CONDITIONS OF SALE & WARRANTY

FlowayPumps

QUOTATIONS - Weir Floway, Inc. has provided a formal written quotation outlining the proposed scope of supply. Our proposal is submitted in accordance with the following terms. Seller provides this proposal for Buyer's review and to clearly define the Seller's scope, options, pricing, and comments in response to Buyer's request for quotation. Quotations are subject to change without notice, otherwise firm for 30 days from date of issuance unless otherwise stipulated by written quotation of Seller. Where projects require approval of test documents (test curves, hydrostatic certifications, etc.) documentation will be submitted and ten (10) days after date of submittal equipment will be: a) shipped or b) invoiced and stored with charge(s) per Item 8, below, with payment due in accordance with Weir Floway standard payment terms or as agreed upon by mutually signed contract.

TERMS OF SALE

1. **ORDER ACCEPTANCE** - Acceptance of Buyer's order is subject to Weir Floway, Inc.'s credit department approval and a signed, mutually agreed upon purchase order/contract between Buyer and Weir Floway, Inc. Order/contract acceptance may only be effected by an authorized officer of the company (Contract Manager, Vice President, or President). If response to the Weir Floway, Inc. Order Acceptance is not received within ten working days, the order will be processed based on the following terms.
2. **SHOP DRAWINGS** - As a matter of Corporate policy, in order to protect proprietary information, Weir Floway, Inc. does not provide detailed shop drawings, including, but not limited to, dimensioned Machine, Casting, and Pattern Drawings. However, installation & maintenance drawings, including, but not limited to, General Arrangement Drawings, Certified Outline Drawings, and Cross-Sectional Details, & Piping Drawings, are available, as quoted.
3. **PRICE** - Prices shall be those in effect at time of shipment. All prices for products of Seller's standard design and constructed of standard material are subject to change without notice and all shipments will be invoiced at the price in effect at the time of shipment except that: A) a Buyer's order for immediate shipment postmarked prior to a given price change, and not then being held for lack of credit approval, will be invoiced at the price in effect at the time of postmark; and B) prices may be negotiated on a firm basis with or without an appropriate escalation clause. Prices are for products of Seller's standard design and constructed of standard materials and there will be no reduction of the omission of any feature. Any requests for variation in material or design must be referred to Seller's factory for special pricing. Pricing of items not covered by the Price and Data Book must be referred to Seller's factory.

Price protection on accessories will be in accordance with that given by the accessory manufacturer. Prices do not include cost of any testing or test reports, or special inspection and/or documentation, except those normally performed by Seller during the manufacturing process or the supplying of any drawings or prints except those currently on file at Seller's factory, unless expressly stated otherwise. Prices for products on non-standard design or non-standard material will be as per Seller's quote and as set forth on the face sheet.
4. **PAYMENT** - Terms of payment are cash USD, net 30 days from date of invoice, plus 1% percent per month service charge on overdue accounts:
 - a. For orders/contracts < \$150,000, billed and shipped within the United States; terms are net 30 days from date of invoice.
 - b. For orders/contracts billed and shipped within the United States; projects exceeding \$150,000 Weir Floway, Inc.'s standard Progress Payment schedule will apply:
 - i. 15% upon approval of submittals
 - ii. 25% upon receipt of major pump materials at factory for production (castings)
 - iii. 60% upon shipment and invoice
 - c. For export orders, Terms of Payment shall be Cash in Advance or Irrevocable Letter of Credit unless otherwise approved by Weir Floway Inc.'s credit department. Letter of Credit will be:
 - iv. Irrevocable and Confirmed by a U.S.A. Bank.
 - v. Beneficiary must be Weir Floway, Inc.
 - vi. Confirmation charges should be paid by Applicant.
 - vii. The L/C Expiration Date should be 21 days after the latest estimated shipment date.
 - viii. Payment Terms: At Site (for orders under \$150,000)
 - ix. Orders/contracts exceeding \$150,000 are subject to Weir Floway, Inc.'s standard Progress Payment schedule. Progress Payment Milestones must be incorporated into the L.C.

Payment by Buyer shall not be conditional upon Buyer receiving payment from Owner or others. Payment is to be made only to Weir Floway, Inc. and no other person or firm has authority to collect monies on our behalf. Prorata payments shall become due from the date on which the Seller is notified of the delay.

All orders are subject to approval of Seller's credit department. If, in the sole judgment of Seller, the financial condition of Buyer at any time does not justify starting or continuing production or shipment on the terms of payment specified herein, Seller may require full or partial payment in advance of production or delivery. Regardless of prices quoted, all orders will be invoiced at established minimum net charge in effect at the time of purchase. Prices may be subject to change should Buyer delay approval of Seller supplied documentation beyond 15 working days from date of submittal.

5. **COSTS OF COLLECTION** - In the event Buyer defaults in payment of any amount becoming due to Seller hereunder, Buyer shall pay to Seller in addition to the amount due together with interest thereon, Seller's reasonable costs of collection including attorney's fees and legal expenses; all of which may be made a part of any judgment entered against Buyer.
6. **ASSIGNMENT** - None of the Buyer's warranty rights under any order or agreement shall be assigned by the Buyer or any other person, without the Seller's prior written approval.
7. **TAXES** - Unless mutually agreed upon between Buyer and Seller prior to order placement, prices do not include taxes or duties of any kind. Sales or other taxes imposed on the sale of goods which shall be separately invoiced unless Buyer provides Seller with an acceptable tax exemption certificate.
8. **RETURNS** - No equipment shall be returned to Seller without a Returned Material Authorization (RMA) and shipping instructions first having been obtained from the Seller in writing. In the event such authorization is granted by Seller, the Buyer must pay the charges in full for transportation to the Seller from the Buyer and return and clearly mark each item with the appropriate RMA number. Returned goods are subject to inspection and written acceptance by Weir Floway, Inc. prior to issuance of credit. Authorization will not be given for return of materials which are damaged, worn, or would in the opinion of the Seller result in an excess in the amount of stock normally carried by the Seller. For equipment not manufactured by the Seller, credit will only be issued if credit is allowed by the original equipment supplier; in this case, credit issued for equipment will be minus all freight and other expenses incurred by the Seller in handling such equipment. The amount of the credit will be reduced by a minimum restocking fee equal to 10% of the price of the returned goods.
9. **SHIPMENT** - Goods shall be shipped Ex-Works (based on Incoterms 2000). Weir Floway, Inc. manufactures engineered to order products. Shipment dates are best estimates only at time of proposal and subject to change based on manufacturing load and sub-supplier schedules at Seller's date of order and/or full release to manufacture. Upon completion of manufacturing, unless specifically requested in writing, Weir Floway, Inc. may make partial shipments of equipment; should shipments be delayed by Buyer beyond the date of manufacturing completion, Seller will invoice and store the equipment pending Buyer's readiness for shipment, invoice will be payable based on terms of net thirty (30) days or as stated in the contract/purchase order and agreed upon in writing between Buyer & Seller. Should the shipment be delayed more than ten (10) working days from manufacturing completion, costs for storage and maintenance of equipment will apply. A minimum 1 month storage fee will apply for storage less than thirty (30) days. Where projects require approval of test documents (test curves, hydrostatic certifications, etc.) documentation will be submitted and ten (10) days after date of submittal equipment will be: a) shipped or b) invoiced and stored with charge(s) per this Item 8, with payment due in accordance with Weir Floway standard payment terms or as agreed upon by mutually signed contract.
10. **DELIVERY** - Seller is not liable for any damage or loss incurred during delivery; all risk of damage or loss to products after carrier takes possession shall be solely on Buyer. Buyer shall inspect shipments upon receipt from carrier and in the event of differences shall file a claim against carrier within the time prescribed by law or contract. Seller will gladly provide assistance in securing claim adjustments upon request. Buyer should immediately order replacements for those items damaged or lost. Such items will be billed to Buyer's regular account for payment. Reimbursement for damaged or lost items must be from carrier to Buyer on the basis of Buyer's claim. With regard to items possibly omitted from a shipment, it shall be the responsibility of the Buyer to inspect each shipment upon receipt and notify Seller of any claimed omission within ten (10) days of receipt of such shipment. NO CLAIMS FOR OMITTED ITEMS WILL BE ALLOWED AFTER TEN (10) DAYS OF RECEIPT OF THE SHIPMENT BY BUYER.
11. **DELAYS/FORCE MAJEURE** - Seller will not be responsible for any delay or failure in performance of any obligations under this agreement including, but not limited to, failure to meet a shipment date caused by circumstances beyond reasonable control of Seller or others, or the following: Acts of God; the government or the public enemy, riots; embargoes, strikes or other acts of workmen, sub-vendor delays, casualties or accidents; deliveries in transportation and shortage of cars, fuel, power, labor or material. Seller will notify the Buyer in writing within ten (10) working days after the beginning of any such cause that would affect its performance. Notwithstanding, if the Seller's performance is delayed, due to Force Majeure, for a period exceeding sixty (60) days from the mutually agreed upon shipment date the Buyer and Seller will have the right to terminate this agreement. Buyer will be liable for substantiated material and labor costs performed up to date of notice.
12. **INDEMNITY** - Buyer and Seller shall indemnify, defend and hold each other harmless from and against any and all claims, actions, suits, demands, assessments or judgments asserted and any and all losses, liabilities, damages, costs and expenses (including, without limitation, attorney's fees, accounting fees and investigation costs to the extent permitted by law) alleged or incurred arising out of or relating to any operations, acts or omissions of the indemnifying Party or any of its employees, agents, and invitees in the exercise of the indemnifying Party's rights or the performance or observance of the indemnifying Party's obligations under this Agreement. Prompt notice must be given of any claim, and the Party who is providing the indemnification will have control of any defense or settlement.
13. **LIMITATION OF LIABILITY** - IN NO EVENT SHALL EITHER PARTY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. SELLER'S LIABILITY AND BUYER'S EXCLUSIVE REMEDY FOR ANY CAUSE OF ACTION ARISING IN CONNECTION WITH THIS CONTRACT OR THE SALE OR USE OF THE GOODS, WHETHER BASED ON NEGLIGENCE, STRICT LIABILITY, BREACH OF WARRANTY, BREACH OF CONTRACT OR EQUITABLE PRINCIPLES, IS EXPRESSLY LIMITED TO, AT SELLER'S OPTION, REPLACEMENT OF, OR REPAYMENT OF THE PURCHASE PRICE FOR THAT PORTION OF THE GOODS WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. ALL CLAIMS OF ANY KIND ARISING IN CONNECTION WITH THIS CONTRACT OR THE SALE OR USE OF THE GOODS SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING WITHIN SIXTY (60) DAYS FROM THE DATE THE CAUSE OF CLAIM AROSE, OR, IF EARLIER, THE APPLICABLE WARRANTY PERIOD SPECIFIED BELOW. LIQUIDATED DAMAGES ARE NOT ACCEPTABLE UNLESS MUTUALLY AGREED UPON IN WRITING PRIOR TO ORDER PLACEMENT.

14. **INSURANCE** - Each party agrees to maintain insurance in commercially reasonable amounts covering claims of any kind or nature for damage to property or personal injury, including death, made by anyone, that may arise from activities performed or facilitated by this contract, whether these activities are performed by that company, its employees, agents, or anyone directly or indirectly engaged or employed by that party or its agents.
15. **NOTICES** - All notices shall be in writing and shall be delivered personally, by U.S. certified or registered mail, postage prepaid, return receipt requested, or by recognized overnight delivery service. Any notice must be delivered to the respective parties at the respective addresses set forth below their signatures or to such other address as shall be specified in writing by either party according to the requirements of the contract. The date of notice shall be deemed to have been made shall be the date of delivery, when delivered personally, on written verification of receipt if delivered by overnight delivery; or the date set forth on the return receipt if sent by certified or registered mail.
- RELATIONSHIP OF PARTIES** - The relationship of the Buyer and Seller under this Agreement is that of a manufacturer and the company hiring the manufacturer. In all matters relating to this Agreement Buyer and Seller shall not have any right, power or authority to create any obligation, express or implied, on behalf of any other Party. Nothing in this Agreement is intended to create or constitute a joint venture, partnership, agency, trust or other association of any kind between the Parties or persons referred to herein.
17. **SEVERABILITY** - If any provision of this order/contract shall be declared by any court of competent jurisdiction to be illegal, void, or unenforceable, the other provisions shall not be affected but shall remain in full force and effect. If the non-solicitation or non-competition provisions are found to be unreasonable or invalid, these restrictions shall be enforced to the maximum extent valid and enforceable.
18. **TERMINATION FOR CAUSE** - The Seller be entitled to terminate this Agreement upon written notice if the Buyer has failed to make any payment due on the due date for such payment, and the sum remains outstanding 30 days after we have advised the Buyer of the default. In the event of such termination the Buyer shall remain responsible for all payments then outstanding and in addition shall pay the Seller for all unbilled materials and work performed as at the date of notice.
19. **TERMINATION FOR CONVENIENCE** - By written notice, this Agreement may be terminated by either party within fifteen (15) days from date of order placement. Should Buyer terminate for convenience, reasonable cancellation charges will apply.
20. **CANCELLATION AND/OR CHANGES TO ORDER/CONTRACT** - Orders shall not be subject to cancellation by Buyer unless agreed to in writing by Seller. No cancellation will be accepted by Seller except upon payment to Seller of a reasonable charge, as determined by Seller, to cover out-of-pocket costs and all other damages incurred by Seller. A minimum cancellation charge of 25% of the order value will be billed for cancellation of any order on "hold for approval", which has not been released for production. Any order cancelled after release to production will be subject to a cancellation charge equal to the amount of materials and labor performed on the order OR 50% of the order value; whichever is greater. Modifications or changes to existing orders must be agreed to in writing between Buyer and Seller prior to proceeding with change and will be subject to a minimum administration charge of \$100.00 plus the net addition or deduction of material and labor.
21. **ARBITRATION** - Any controversy or claim arising out of or relating to the terms of sale or warranty herein, or the breach thereof, shall be settled by arbitration in accord with the Commercial Arbitration Rules of the American Arbitration Association, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof. The Parties hereto specifically agree that the provisions of Section 1283.05 of the Code of Civil Procedure of the State of California are incorporated into, made a part of and made applicable to any arbitration hereunder where the aggregate amount in controversy exceeds Twenty-Five Thousand Dollars (\$25,000.00) exclusive of costs, expenses and fees. The parties recognize that the resolution of any controversy or claim hereunder will necessitate testimony by Seller's engineers, all of whom are employed at Seller's home office in Fresno, California. The parties therefore agree that the most convenient place for arbitration is Fresno County, California, and that any arbitration hereunder shall be in Fresno County, California.
22. **WAIVER** - Failure of either party to insist on strict compliance with any of the terms, covenants, and conditions of this Agreement shall not be deemed a waiver of such terms, covenants, and conditions or of any similar right or power hereunder at any subsequent time. The failure of Seller to enforce any right Seller may have under the terms and conditions hereof or otherwise shall not constitute a waiver of such right with respect to future occasions for enforcement thereof, nor shall any such failure or failures establish any custom or usage.

TERMS OF WARRANTY

23. **WARRANTY** - Each product manufactured by Weir Floway, Inc. ("Seller") is warranted to be free of defects in material and workmanship for a period of one (1) year after the product is first put into operation or eighteen (18) months after date of shipment, whichever is less; when the product is in the hands of the original user and the product has been used in accordance with any instructions supplied by the Seller; and provided that Seller shall be notified within thirty (30) days from the earliest date on which an alleged defect could have been discovered, and further that the defective product(s) or part(s) shall be returned to the Seller in accordance with the terms of the "RETURN OF EQUIPMENT" section below. Unless expressly stated otherwise, guarantees in the nature of performance specifications furnished in addition to the foregoing material and workmanship warranties on a product manufactured by Weir Floway, Inc., if any, are subject to laboratory tests corrected for field performance. Due to inaccuracies of field testing, if a conflict arises between the results of field testing conducted by or for the user, and laboratory tests corrected for field performance, the latter shall control. No equipment shall be furnished for acceptance based on results of field testing unless such tests procedures are reviewed and approved, in writing, by Weir Floway, Inc.'s authorized engineering personnel (Chief Engineer, Product Development Manager, or assigned Weir Floway, Inc. Professional Engineer). Such performance guarantees are void if impellers are trimmed by anyone other than factory personnel or those authorized, in writing, by Seller. Further, guarantees are only for the design point specified and relate only to performance at the time of installation. All accessories and other equipment not manufactured by Weir Floway, Inc. are warranted only for the period and to the extent of the original manufacturer's warranty, and shall be subject to all of the terms and conditions of such warranty. ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED.

The sole and exclusive remedy for breach of any and all warranties with respect to any product shall be replacement or repair at Seller's election, Ex-Works factory, of such products and/or parts as prove defective. There shall be no further liability, whether based on warranty, negligence or otherwise; no claims for labor or consequential damages shall be payable. Unless Buyer clearly shows that none of the following were a cause of an alleged defect, all warranties are void if:

- Pump is handling liquids other than clear, fresh non-aerated water at a temperature not exceeding 85 degrees F, or other such liquids and/or temperature contrary to those specified by the Weir Floway Inc. Sales Order or as mutually agreed upon in writing between Buyer and Seller.
- If pump has been handling abrasive material;
- If pump is slow, due to low voltage or other reason beyond control of Seller;
- If pump is installed in an area which is not sufficiently straight and plumb and of sufficient diameter to allow the pump to hang free and plumb;
- If pump is damaged from electrolysis, graphitization, corrosion or erosion;
- If air or vapor is allowed to enter the pump section;
- Parts not furnished by Seller are used in head, bowl or column assembly; or
- If a foot valve is used without consent of Seller.

Seller cannot and will not be responsible for Buyer's system or system requirements not clearly defined prior to order/contract placement.

24. **WARRANTY REPAIRS - SHIPMENT/DELIVERY** - All shipments and all prices are F.O.B. Seller's factory or service facility outlet as the case may be, on:
- Components and parts
 - Accessories, except when the accessory manufacturer's policy is to allow freight, provided however that shipment is made directly from such manufacturer's plant.
- Freight is not allowed on component assemblies and parts, but can be prepaid and charged on invoice with prior approval of Seller. Seller is not liable for any damage or loss incurred during delivery; all risk of damage or loss to products after carrier takes possession shall be solely on Buyer. Buyer shall inspect shipments upon receipt from carrier and in the event of differences shall file a claim against carrier within the time prescribed by law or contract. Seller will gladly provide assistance in securing claim adjustments upon request. Buyer should immediately order replacements for those items damaged or lost. Such items will be billed to Buyer's regular account for payment. Reimbursement for damaged or lost items must be from carrier to Buyer on the basis of Buyer's claim.
- With regard to items possibly omitted from a shipment, it shall be the responsibility of the Buyer to inspect each shipment upon receipt and notify Seller of any claimed omission within ten (10) days of receipt of such shipment. NO CLAIMS FOR OMITTED ITEMS WILL BE ALLOWED AFTER TEN (10) DAYS OF RECEIPT OF THE SHIPMENT BY BUYER.
- Any controversy or claim arising out of or relating to the foregoing warranty, or the breach thereof, shall be settled by arbitration in accord with the Commercial Arbitration Rules of the American Arbitration Association, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof. The Parties hereto specifically agree that the provisions of Section 1283.05 of the Code of Civil Procedure of the State of California are incorporated into, made a part of and made applicable to any arbitration hereunder where the aggregate amount in controversy exceeds Twenty-Five Thousand Dollars (\$25,000.00) exclusive of costs, expenses and fees. The parties recognize that the resolution of any controversy or claim hereunder will necessitate testimony by Seller's engineers, all of whom are employed at Seller's home office in Fresno, California. The parties therefore agree that the most convenient place for arbitration is Fresno County, California, and that any arbitration hereunder shall be in Fresno County, California.
25. **RETURN OF EQUIPMENT** - No equipment under warranty shall be returned to Seller without a Returned Material Authorization (RMA) and shipping instructions first having been obtained from the Seller. In the event such authorization is granted by Seller, the Buyer must pay the charges in full for transportation to the Seller from the Buyer and return and clearly mark each item with the appropriate RMA number. Equipment returned for warranty consideration will be subject to review and inspection by Weir Floway, Inc. authorized personnel prior to warranty disposition. For equipment not manufactured by the Seller, warranty will be handled in accordance with the manufacturer's standard warranty procedures; only credit as may be allowed by the manufacturer of such equipment, minus all freight and other expenses incurred by the Seller in handling such equipment.

Weir Floway, Inc. reserves the right to have equipment under warranty consideration referred to a Weir Floway, Inc. authorized repair facility for assessment and repair. Costs for shipment will be F.O.B. Seller's factory or service facility outlet. Seller will not be responsible for removal or re-installation (push/pull) required for warranty consideration or repair.

26. **GENERAL** - Should any of the terms and provisions of Buyer's order be in any way inconsistent with the terms and conditions herein, the same shall not be binding on Seller and shall not be considered applicable to the sale. No waiver, alteration, or modification of any of the provisions herein shall be binding unless in writing and signed by an executive officer of Seller at its home office in Fresno, California. It shall be the obligation of every distributor, dealer, reseller or other person between Seller and the end user to whom such person resells Seller's products to make known to such end user all warranty and other provisions hereof. Seller's aggregate liability under the sales order shall not include liability for special, incidental or consequential damages, or loss of profit suffered by the Buyer, and shall not exceed the order value. Motors, engines and other auxiliary equipment may be shipped and billed separately from the pumps. The contract shall be interpreted and applied in conformity with the laws of the State of California. Any legal claim, suit, proceeding, or action arising out of or related to this agreement shall be brought in Fresno, California.

NIDEC MOTOR CORPORATION
TERMS AND CONDITIONS OF SALE

Nidec Motor Corporation, referred to herein as the "Seller" and the customer or entity purchasing goods ("Goods") from Seller is referred to as the "Buyer." These Terms and Conditions, any price list or schedule, quotation, agreement or invoice from Seller relevant to the sale of the Goods and all documents incorporated by specific reference herein or therein, constitute the complete and exclusive statement of the terms of the agreement governing the sale of Goods by Seller to Buyer. Seller's acceptance of Buyer's purchase order is expressly conditional on Buyer's assent to all of Seller's terms and conditions of sale, including terms and conditions that are different from or additional to the terms and conditions of Buyer's purchase order. Buyer's acceptance of or payment for the Goods will manifest Buyer's assent to these Terms and Conditions. Seller reserves the right in its sole discretion to refuse orders.

1. **PRICES:** Prices for Goods, whether specified in Seller's price list or schedule, acknowledgment or written quotation, are subject to change without notice. Such prices shall be adjusted to reflect Seller's prices for Goods as in effect at the time of requested shipment date, and each shipment will be invoiced at such prices. All prices are exclusive of taxes, transportation and insurance, which are to be borne by Buyer.

2. **TAXES:** Any current or future tax or governmental charge (or increase in same) affecting Seller's costs of production, sale, or delivery or shipment, or which Seller is otherwise required to pay or collect in connection with the sale, purchase, delivery, storage, processing, use or consumption of Goods, shall be for Buyer's account and shall be added to the price or billed to Buyer separately, at Seller's election.

3. **TERMS OF PAYMENT:** Unless otherwise specified by Seller, terms are net thirty (30) days from date of Seller's invoice in U.S. currency. Seller shall have the right, among other remedies, either to terminate this agreement or to suspend further performance under this and/or other agreements with Buyer in the event Buyer fails to make any payment when due, which other agreements Buyer and Seller hereby amend accordingly. Buyer shall be liable for all expenses, including attorney's fees, relating to the collection of past due amounts. If any payment owed to Seller is not paid when due, it shall bear interest, at a rate to be determined by Seller, which shall not exceed the maximum rate permitted by law, from the date on which it is due until it is paid. Should Buyer's financial responsibility become unsatisfactory to Seller, cash payments or security satisfactory to Seller may be required by Seller for future deliveries and for the Goods heretofore delivered. If such cash payment or security is not provided, in addition to Seller's other rights and remedies, Seller may discontinue deliveries. Buyer hereby grants Seller a security interest in all Goods sold to Buyer by Seller, which security interest shall continue until all such Goods are fully paid for in cash, and Buyer, upon Seller's demand, will execute and deliver to Seller such instruments as Seller requests to protect and perfect such security interest.

4. **SHIPMENT AND DELIVERY:** While Seller will use all reasonable commercial efforts to maintain the delivery date(s) acknowledged or quoted by Seller, all shipping dates are approximate and not guaranteed. Seller reserves the right to make partial shipments. Seller, at its option, shall not be bound to tender delivery of any Goods for which Buyer has not provided shipping instructions and other required information. If the shipment of the Goods is postponed or delayed by Buyer for any reason, Buyer agrees to reimburse Seller for any and all storage costs and other additional expense resulting therefrom. Risk of loss and legal title to the Goods shall transfer to Buyer for sales in which the end destination of the Goods is outside of the United States immediately after the Goods have passed beyond the territorial limits of the United States. For all other shipments, risk of loss for damage and responsibility shall pass from Seller to Buyer upon delivery to and receipt by carrier at Seller's shipping point. All shipments are F.O.B. Seller's shipping point. Any claims for shortages or damages suffered in transit are the responsibility of Buyer and shall be submitted by Buyer directly to the carrier. Shortages or damages must be identified and signed for at the time of delivery.

5. **LIMITED WARRANTY:** Subject to the limitations of Section 6, Seller warrants that the Goods manufactured by Seller, other than those specifically identified below, will be free from defects in material and workmanship and meet Seller's published specifications at the time of shipment under normal use and regular service and maintenance for a period of one year from the date of shipment of the Goods by Seller, unless otherwise specified by Seller in writing. Parts/Motors of any kind not fully assembled by Seller shall carry no warranty of any kind, express or implied. Products purchased by Seller from a third party for resale to Buyer ("Resale Products") shall carry only the warranty extended by the original manufacturer. THE WARRANTY SET FORTH IN THIS SECTION 5 AND THE WARRANTY SET FORTH IN SECTION 7 ARE THE SOLE AND EXCLUSIVE WARRANTIES GIVEN BY SELLER WITH RESPECT TO THE GOODS AND ARE IN LIEU OF AND EXCLUDE OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHETHER OR NOT THE PURPOSE OR USE HAS BEEN DISCLOSED, TO SELLER IN SPECIFICATIONS, DRAWINGS OR OTHERWISE, AND WHETHER OR NOT SELLER'S PRODUCTS ARE SPECIFICALLY DESIGNED AND/OR MANUFACTURED BY SELLER FOR BUYER'S USE OR PURPOSE.

This warranty does not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, negligence (other than Seller's), unauthorized modification or alteration, use beyond rated capacity, unsuitable power sources, or environmental conditions, improper installation, repair, handling, maintenance or application or any other cause not the fault of Seller. To the extent that Buyer or its agents has supplied specifications, information, representation of operating conditions or other data to Seller in the selection or design of the Goods and the preparation of Seller's quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.

If within thirty (30) days after Buyer's discovery of any warranty defects within the warranty period, Buyer notifies Seller thereof in writing, Seller shall, at its option and as Buyer's exclusive remedy, repair, correct or replace or refund the purchase price for that portion of the Goods found by Seller to be defective. Failure by Buyer to give such written notice within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Seller shall have the right to require the Buyer to deliver the Goods to Seller's designated repair center or manufacturing facility. All costs associated with disassembly, reinstallation and transportation to and from Seller's designated repair center or manufacturing facility and the time and expense of Seller's personnel and representatives for site travel and diagnosis under this warranty shall be borne by the Buyer. Goods repaired or replaced during the warranty period shall be covered by the foregoing warranty for the remainder of the original warranty period or ninety (90) days from the date of shipment, whichever is longer. Buyer assumes all other responsibility for any loss, damage, or injury to persons or property arising out of, connected with, or resulting from the use of Goods, either alone or in combination with other products/components.

Section 5 applies to any entity or person who may buy, acquire or use the Goods, including any entity or person who obtains the Goods from Buyer, and shall be bound by the limitations therein, including Section 6. Buyer agrees to provide such subsequent transferees conspicuous, written notice of the provisions of Sections 5 and 6.

6. **LIMITATION OF REMEDY AND LIABILITY: THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY HEREUNDER (OTHER THAN THE WARRANTY PROVIDED UNDER SECTION 7) SHALL BE LIMITED TO REPAIR, CORRECTION OR REPLACEMENT, OR REFUND OF THE PURCHASE PRICE UNDER SECTION 5.**

SELLER SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND THE REMEDIES OF BUYER SET FORTH IN THIS AGREEMENT ARE EXCLUSIVE, IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXCEED THE PRICE PAID BY BUYER FOR THE SPECIFIC GOODS PROVIDED BY SELLER GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. BUYER AGREES THAT IN NO EVENT SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. The term "consequential damages" shall include, but not be limited to, loss of anticipated profits, business interruption, loss of use, revenue, reputation and data, costs incurred, including without limitation, for capital, fuel, power and loss or damage to property or equipment.

It is expressly understood that any technical advice furnished by Seller with respect to the use of the Goods is given without charge, and Seller assumes no obligation or liability for the advice given, or results obtained, all such advice being given and accepted at Buyer's risk.

7. **PATENTS AND COPYRIGHTS:** Subject to the limitations of the second paragraph of Section 6, Seller warrants that the Goods sold, except as are made specifically for Buyer according to Buyer's specifications, do not infringe any valid U.S. patent or copyright in existence as of the date of shipment. This warranty is given upon the condition that Buyer promptly notifies Seller of any claim or suit involving Buyer in which such infringement is alleged and cooperates fully with Seller and permit Seller to control completely the defense, settlement or compromise of any such allegation of infringement. Seller's warranty, as to use of patents only applies to infringement arising solely out of the inherent operation according to Seller's specifications and instructions (i) of such Goods; or (ii) of any combination of such a U.S. patent or copyright in such suit, and the use of such Goods is enjoined; or in the case of a compromise or settlement by Seller, Seller shall have the right, at its option and expense, to procure for Buyer the right to continue using such Goods, or replace them with non-infringing Goods, or modify same to become non-infringing, or grant Buyer a credit for the depreciated value of such Goods and accept

return of them. In the event of the foregoing, Seller may also, at its option, cancel the agreement as to future deliveries of such Goods, without liability. No license or rights in any of Seller's intellectual property associated with the Goods is granted hereby.

8. **EXCUSE OF PERFORMANCE:** Seller shall not be liable for delays in performance or for non-performance due to acts of God; acts of Buyer, war, fire, flood, weather, sabotage; strikes or labor disputes; civil disturbances or riots; governmental requests; restrictions, allocations, laws, regulations, orders or actions; unavailability of or delays in transportation; default of suppliers; or unforeseen circumstances; or any events or causes beyond Seller's reasonable control. Deliveries or other performance may be suspended for an appropriate period of time or canceled by Seller upon notice to Buyer in the event of any of the foregoing, but the balance of the agreement shall otherwise remain unaffected as a result of the foregoing.

If Seller determines that its ability to supply the total demand for the Goods, or to obtain material used directly or indirectly in the manufacture of the Goods, is hindered, limited or made impracticable due to causes set forth in the preceding paragraph, Seller may allocate its available supply of the Goods or such material (without obligation to acquire other supplies of any such Goods or material) among itself and its purchasers on such basis as Seller determines to be equitable without liability for any failure of performance which may result therefrom.

9. **CANCELLATION:** Buyer may cancel orders only upon reasonable advance written notice and upon payment to Seller of Seller's cancellation charges which include, among other things, all costs and expenses incurred, and, to cover commitments made, by the Seller and a reasonable profit thereon. Seller's determination of such termination charges shall be conclusive.

10. **CHANGES:** Buyer may request changes or additions to the Goods consistent with Seller's specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price and dates of delivery. Seller reserves the right to change designs and specifications for the Goods without prior notice to Buyer, except with respect to Goods being made-to-order for Buyer. Seller shall have no obligation to install or make such change in any Goods manufactured prior to the date of such change.

11. **NUCLEAR/MEDICAL, GOODS SOLD HEREUNDER ARE NOT FOR USE IN CONNECTION WITH ANY NUCLEAR, MEDICAL, LIFE SUPPORT AND RELATED APPLICATIONS.** Buyer accepts Goods with the foregoing understanding, agrees to communicate the same in writing to any subsequent purchasers or users and to defend, indemnify and hold harmless Seller from any claims, losses, suits, judgments and damages, including incidental and consequential damages; arising from such use, whether the cause of action be based in tort, contract or otherwise, including allegations that the Seller's liability is based on negligence or strict liability.

12. **ASSIGNMENT:** Buyer shall not assign its rights or delegate its duties hereunder or any interest herein without the prior written consent of Seller, and any such assignment, without such consent, shall be void.

13. **QUANTITY:** Buyer agrees to accept overruns of up to ten percent (10%) of the order on "made-to-order" goods, including parts. Any such additional items shall be priced at the price per item charged for the specific quantity ordered.

14. **REPLACEMENT / SERVICE GOODS:** Upon the cancellation or fulfillment of this order, Seller will have no obligation to sell and Buyer will have no obligation to purchase the Goods sold hereunder, including, but not limited to, the supply of replacement parts for Goods or Goods for Buyer's consumer service division. Seller is not obligated to sell Buyer or its consumer service divisions Goods: (i) for any fixed period of time after production of the Goods supplied hereunder ceases or after the last date of shipment made under this order; or (ii) at any pre-established price to fulfill Buyer's or its consumer service divisions requirements during or after production of the Goods ceases or after the last date of shipment under this order. Seller shall have the absolute right to revise the price of Goods and the terms of sale and to modify or discontinue the sale of the Goods, and such action shall not form the basis of any claim by Buyer against Seller.

15. **TOOLING:** Tool, die, and pattern charges, if any, are in addition to the price of the Goods and are due and payable upon completion of the tooling. All such tools, dies and patterns shall be and remain the property of Seller. Charges for tools, dies, and patterns do not convey to Buyer, title, ownership interest in, or rights to possession or removal, or prevent their use by Seller for other purchasers, except as otherwise expressly provided by Seller and Buyer in writing with reference to this provision.

16. **INSPECTION/TESTING:** Buyer, at its option and expense, may inspect and observe the testing by Seller of the Goods for compliance with Seller's standard test procedures prior to shipment, which inspection and testing shall be conducted at Seller's plant at such reasonable time as is specified by Seller. Any rejection of the Goods must be made promptly by Buyer before shipment. Tests shall be deemed to be satisfactorily completed and the test fully met when the Goods meet Seller's criteria for such procedures.

17. **DRAWINGS:** Seller's prints and drawings (including without limitation, the underlying technology) furnished by Seller to Buyer in connection with this agreement are the property of Seller and Seller retains all rights, including without limitation, exclusive rights of use, licensing and sale. Possession of such prints or drawings does not convey to Buyer any rights or license, and Buyer shall return all copies (in whatever medium) of such prints or drawings to Seller immediately upon request therefor.

18. **EXPORT/IMPORT:** Buyer agrees that all applicable import and export control laws, regulations, orders and requirements, including without limitation those of the United States and the European Union, and the jurisdictions in which the Seller and Buyer are established or from which Goods may be supplied, will apply to their receipt and use. In no event shall Buyer use, transfer, release, import, export, Goods in violation of such applicable laws, regulations, orders or requirements.

19. **GENERAL PROVISIONS:** These terms and conditions supersede all other communications, negotiations and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modification, rescission, discharge, abandonment, or waiver of these terms and conditions shall be binding upon the Seller unless made in writing and signed on its behalf by a duly authorized representative of Seller. No conditions, usage of trade, course of dealing or performance, understanding or agreement purporting to modify, vary, explain, or supplement these terms and conditions shall be binding unless hereafter made in writing and signed by the party to be bound, and no modification or additional terms shall be applicable to this agreement by Seller's receipt, acknowledgment, or acceptance of purchase orders, shipping instruction forms, or other documentation containing terms at variance with, or in addition to those set forth herein. Any such modifications or additional terms are specifically rejected and deemed a material alteration hereof. If this document shall be deemed an acceptance of a prior offer by Buyer, such acceptance is expressly conditional upon Buyer's assent to any additional or different terms set forth herein. No waiver by either party with respect to any breach or default of or any right or remedy, and no course of dealing, shall be deemed to constitute a continuing waiver of any other breach or default of or any other right or remedy, unless such waiver be expressed in writing and signed by the party to be bound. All typographical or clerical errors made by Seller in any quotation, acknowledgment or publication are subject to correction.

The validity, performance, and all other matters relating to the interpretation and effect of this agreement shall be governed by the law of the state of Missouri without regard to its conflicts of laws principles. Buyer and Seller agree that the proper venue for all actions arising in connection herewith shall be in Missouri and the parties agree to submit to such jurisdiction. No action, regardless of form, arising out of transactions relating to this contract, may be brought by either party more than two (2) years after the cause of action has accrued. The U.N. Convention on Contracts for the International Sales of Goods shall not apply to this agreement.

DRUG-FREE WORKPLACE FORM

The undersigned vendor in accordance with Section 287.087, Florida Statutes hereby certifies that
L.P. Beach & Associates, Inc. does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or Contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or Contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Vivian Higgins
Bidder's Signature *Office Manager*
April 25, 2012
Date

09-14-3725B 09-2005

Bank of America 

Cashier's Check

No. **8102791**

Notice to Purchaser: In the event this check is lost, misplaced or stolen, a sworn statement and 90-day waiting period will be required prior to replacement. This check should be negotiated within 90 days.

Date: **APRIL 25, 2012**

301/1140
NTX

Banking Center **DUNBDIN**

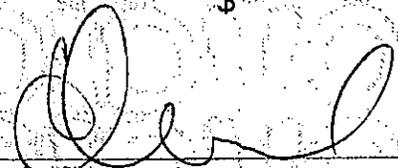
0007449 00007 0008102791

R.C. BBACH & ASSOC., INC.
Remitter (Purchased By)

****3495.65****

Pay ****THREE THOUSAND FOUR HUNDRED NINETY FIVE DOLLARS AND 65 CENTS****

To The Order of ****CITY OF PORT ST. LUCIE****
****#2012004****



Authorized Signature

Bank of America, N.A.
San Antonio, Texas

VOID AFTER 90 DAYS

⑈8102791⑈ ⑆114000019⑆ 001641002054⑈

THE ORIGINAL DOCUMENT HAS REFLECTIVE WATERMARK ON THE BACK THE ORIGINAL DOCUMENT HAS REFLECTIVE WATERMARK ON THE BACK

State of Florida

Department of State

I certify from the records of this office that R. C. BEACH & ASSOC., INC. is a corporation organized under the laws of the State of Florida, filed on August 1, 1981.

The document number of this corporation is F40700.

I further certify that said corporation has paid all fees due this office through December 31, 2012, that its most recent annual report was filed on March 29, 2012, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of Florida, at Tallahassee, the Capital, this the Thirtieth day of March, 2012

Ken Peltner

Secretary of State



Authentication ID: 800226679948-033012-F40700

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.
<https://efile.sunbiz.org/certauthver.html>

2012 FOR PROFIT CORPORATION ANNUAL REPORT

**FILED
Mar 29, 2012
Secretary of State**

DOCUMENT# F40700

Entity Name: R. C. BEACH & ASSOC., INC.

Current Principal Place of Business:

New Principal Place of Business:

539 SAN CHRISTOPHER DR.
DUNEDIN, FL 34698 US

Current Mailing Address:

New Mailing Address:

539 SAN CHRISTOPHER DR.
DUNEDIN, FL 34698 US

FEI Number: 59-2108591

FEI Number Applied For ()

FEI Number Not Applicable ()

Certificate of Status Desired (X)

Name

Name and Address of New Registered Agent:

BEACH, WILLIAM R

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE: _____

Electronic Signature of Registered Agent

Date

OFFICERS AND DIRECTORS:

Title: PD
Name: BEACH, WILLIAM R

Title: VSDT
Name: BEACH, WENDY

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or in an attachment with all other like empowered.

SIGNATURE: WILLIAM R. BEACH

PD

03/29/2012

Electronic Signature of Signing Officer or Director

Date

CHECKLIST

Bid #20120004

Purchase of a 2,100 gpm Injection Well Pump & Motor

Name of Bidder: R. C. BEACH & ASSOC INC.

This checklist is provided to assist Bidders in the preparation of their bid response. Included in this checklist are important requirements that are the responsibility of each Bidder to submit with their response in order to make their bid response fully compliant. This checklist is only a guideline -- it is the responsibility of each Bidder to read and comply with the Invitation to Bid in its entirety.

- has uploaded Bid Reply Sheet with proper signature.
- has uploaded Drug-Free Workplace Form
- if applicable has acknowledged each bid addendum on the Bid Reply Sheet.
- has uploaded a copy of current Insurance Certificate in accordance with Section
- has uploaded a copy of all required licenses and certification
- has reviewed the Purchase Order and accept all City Terms and Conditions
- has uploaded a copy of the five percent (5%) bid bond.

THIS FORM SHOULD BE RETURNED WITH YOUR BID REPLY SHEET

Westport WWTF
Injection Well Pump No. 5

ATTACHMENT A

- ① BID LETTER SCOPE OF SUPPLY
- ② TERM CONDITIONS & WARRANTY PUMP AND MOTOR

- ③ CORPORATION
- ④ PROOF OPERATION AUTHORITY
- ⑤ SAMPLE INSURANCE (ACTUAL PROVIDED ON AWARD)
- ⑥ BID CHECK 5%
- ⑦ TECHNICAL PUMP DATA

E-BID REPLY EXCEL SPREADSHEET
E-BID #20120004
FURNISH A 2,100 GPM INJECTION WELL PUMP AND MOTOR

COMPANY NAME: LAYNE CHRISTENSEN COMPANY

	Description	Quantity	Units	Unit Cost	Total Cost
1	Pumping Unit: Furnish and deliver one vertical turbine pumping unit, complete with shop drawings, operations and maintenance manuals, pump, column, discharge head, electric motor, coatings, factory testing, shop drawing submittals, certifications, warranties, electrical connections, and all other, submittals, inspections, equipment and appurtenances stated or implied, all in accordance with the contract documents, for an assembled, complete and continuous, outdoor operation ready, pumping unit.	1	LS	\$61,153.00	\$61,153.00
2	Pumping Unit Startup, Field Testing, and Training, including vibration and sound level readings, in accordance with the contract documents.	1	Day	\$2,184.00	\$2,184.00
3	Indemnification Fee	1	LS	\$10.00	\$10.00

Total Bid Amount (In Numbers): \$63,347.00

Total Bid In Words: SIXTY THREE THOUSAND THREE HUNDRED FORTY SEVEN

Bid Reply Sheet
Bid # 20120004
GPM 2.1 Pump & Motor

1. **COMPANY NAME:** Layne Christensen Company
DIVISION OF: _____
PHYSICAL ADDRESS: 5061 Luckett Road
MAILING ADDRESS: 5061 Luckett Road
CITY, STATE, ZIP CODE: Fort Myers, FL 33905
TELEPHONE NUMBER: (239) 275-1029 FAX NO. (239) 275-1025
CONTACT PERSON: Stephen Goldberg E-MAIL: stephen.goldberg@layne.com

2. **ORGANIZATIONAL PROFILE:** (complete all appropriate information)

Is the firm incorporated? Yes No If yes, in what state? Delaware

Rene Robichaud
President
Steven F. Crooke
Vice President
Jerry W. Fanska
Treasurer

How long in present business: 130 yrs How long at present location: 2 yrs

Is firm a minority business: Yes No Does firm have a drug-free workplace program Yes No
If no, is your company planning to implement such a program? _____

3. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued
1	4/17/12
2	4/19/12
3	4/24/12

4. **VENDOR'S LIST** - If your company offers commodities other than the one specified for this bid, and you wish to be put on the vendor's list, please contact Onvia.com at (800) 711-1712. Bid Tabulation Reports are advertised on the City's Web Site at www.Cityofpsl.com.

5. BID RESPONSE:

5.1 Bidder will / (will not) accept the Purchasing Card (Visa).
(please circle one)

5.2 Percentage of discount when payment is made with Visa: N/A %

5.3 Bid Reply Sheet Total \$ 63,347.00

5.4 Delivery time 95 days after receipt of order.

6. INSURANCE CERTIFICATES LICENSE - Bidders are required, in accordance with Section 5, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain. Bidders are required to submit all licenses and certifications required to perform this project.

7. COMPLETION OF FORM - An authorized representative of the firm offering this Bid must complete this form in its entirety. Prices entered herein shall not be subject to withdrawal or escalation by Bidder. The City reserves the right to hold proposals and bid guarantees for a period not to exceed 90 days after the date of the bid opening stated in the Invitation to Bid before awarding the Bid. Bid award constitutes the date that City Council executes the motion to award the bid.

8. CONTRACT - Bidder agrees to comply with all requirements stated in the specifications for this bid.

9. CERTIFICATION

This bid is submitted by: Name (print) Edward McCullers who is an officer of the above firm duly authorized to sign bids and enter into Contracts. I certify that this bid is made without prior understanding, Contract, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this bid.

Edward McCullers 4/24/12
Signature Date

11. Is Bidder related to any City Employee? No

Edward McCullers General Manager
Signature Title

If a corporation renders this Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this Bid shall attach to this form evidence of legal authority.

(seal)

Reference Checked	
Clerk Checked	

Company: Xylem Inc.
 Name: RON SARTELE
 Date: 4/20/2012

Customer:
 Order No:



Pump:

Size: 14RJHC (2 stage)
 Type: Lineshaft
 Synch speed: 1800 rpm
 Curve: E6414RCPC2
 Specific Speeds:
 Dimensions:
 Vertical Turbine:
 Speed: 1770 rpm
 Dia: 9.125 in
 Impeller:
 Ns: 3032
 Nss: ---
 Suction: ---
 Discharge: ---
 Bowl size: 13.6 in
 Max lateral: 1 in
 Thrust K factor: 13 lb/ft

Search Criteria:

Flow: 2100 US gpm
 Head: 148 ft
 Secondary Operating Point: 2500 US gpm, 113 ft

Fluid:

Water
 Density: 62.32 lb/ft³
 Viscosity: 0.9946 cP
 NPSHa: ---
 Temperature: 68 °F
 Vapor pressure: 0.3391 psi a
 Atm pressure: 14.7 psi a

Motor:

Standard: NEMA
 Enclosure: WPI
 Sizing criteria: Max Power on Design Curve
 Size: 100 hp
 Speed: 1800
 Frame: 404

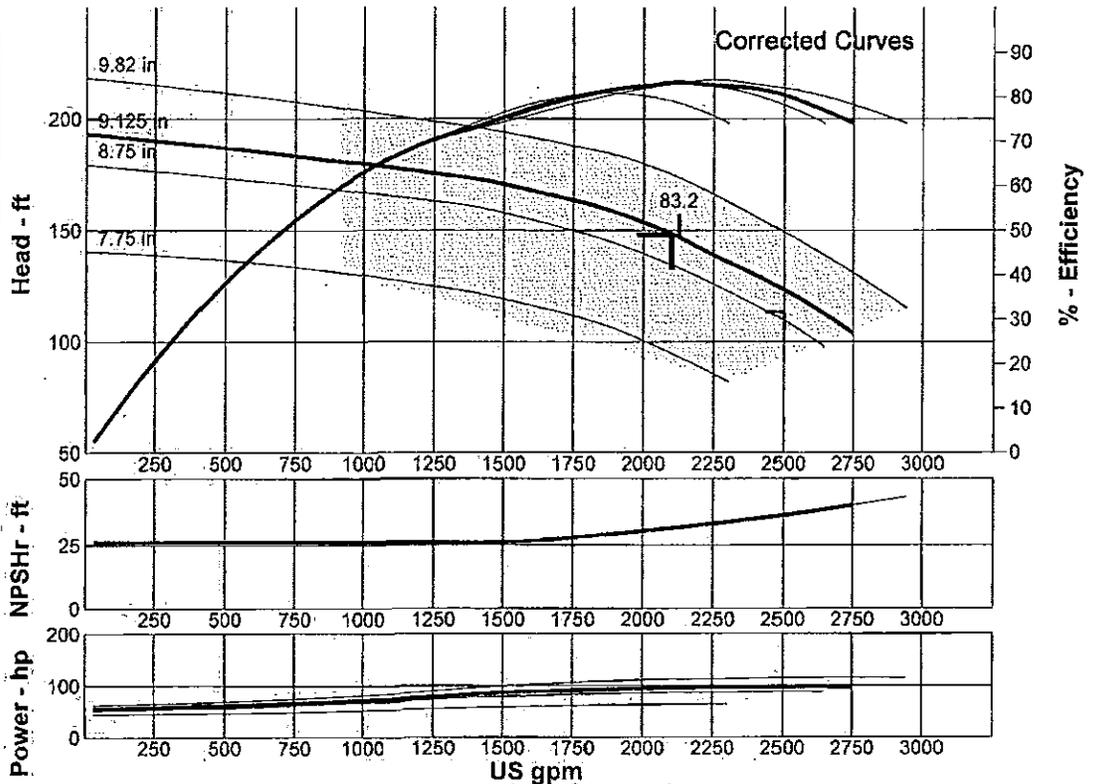
Pump Limits:

Temperature: 120 °F
 Pressure: 340 psi g
 Sphere size: 0.98 in
 Power: ---
 Eye area: ---

Curve Corrections:

Factors: Flow x 0.98 Head x 0.98 Eff x 0.98

Data Point	
Flow:	2500 US gpm
Head:	123 ft
Eff:	80.2%
Power:	96.8 hp
NPSHr:	36.2 ft
Design Curve	
Shutoff head:	193 ft
Shutoff dP:	83.6 psi
Min flow:	---
BEP:	83.2% @ 2127 US gpm
NOL power:	97.6 hp @ 2605 US gpm
Max Curve	
Max power:	116 hp @ 2764 US gpm



Discharge Sizes-8",10",12". Curves are certified for water at 60°F only. Consult factory for performance with any other fluid.

Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
2520	1770	122	79.8	96.9	36.5
2100	1770	148	83	94.6	31.3
1680	1770	165	78.6	89.2	27.1
1260	1770	175	70.4	79	26
840	1770	182	54.6	68.8	26

DIMENSIONAL OUTLINE

VIT-FFTM

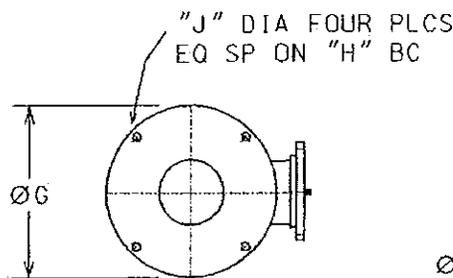
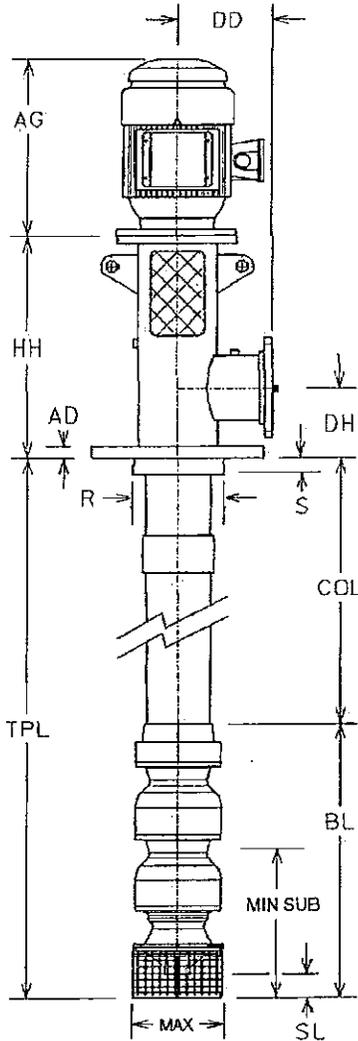
2 Stage 12x14RJHC



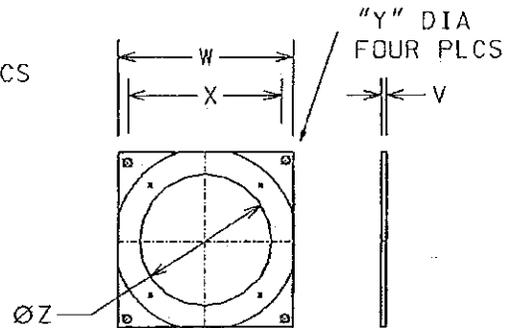
Christensen Pumps
A division of
Layne Christensen Company

Pump Data

AD:	1.75	Size:	14RJHC
AG:		Stages:	2
BD:	16.5		
BL:	42.13		
CL:	N/A	BowlShaft:	1.94"
COL:	141.87"	LineShaft:	1.19"
DD:	22.00	LineShaft Type:	Open
MIN SUB:	34.8	Column:	Standard
DH:	12.00	Column:	12" Threaded
G:	32.00	Bearing Spacing:	5 feet
H:	29.50	Section Length:	5 feet
HH:	48.00	Head:	F:VIT
J:	1.38	Flange (Disch.):	12"-150# RF
R:	19.00	Suct.:	
S:	4.13	Seal:	Mech. Seal
SL:	4.50	Strainer:	Bolt-On Basket
TPL:	184.0"	SubBase:	Yes
UG:	N/A	Motor Mounting:	P-base
V:			
W:	32.00		
X:	29.00		
Y:	1.00		
Z:	26.00		
MAX:	14.00		



DISC HEAD



SOLE PLATE

Hydraulic Data

Flow (gpm):	2100
Pump Head (ft):	137.2
TDH (ft):	148.0
Speed (rpm):	1770
Fluid:	Water
Temperature (F):	68
Viscosity:	0.9946
Spec.Grav:	1.00012

Miscellaneous

Thrust At Design (lb):	2047
Thrust At Shutoff (lb):	2632
Pumping Level(in):	120

Weight

Pump (lb):	2133
Motor (lb):	1500
Total (lb):	3633

Motor Data

Model:	TEFC
Make:	U.S.
HP:	100
RPM:	1800
Type:	VSS VFD Rated
Efficiency:	95.0
Frame:	405VP
Ratchet:	NRR

Xylem Inc.
RON SARTELE

HYDRAULIC ANALYSIS
VIT-FFTM
2 Stage 12x14RJHC



Overall Pump Parameters

Size and Model:	14RJHC	Pump Operating Speed, RPM:	1770
Capacity, GPM:	2100	Total Dynamic Head, Ft.:	148.0
Total Pump Length, In.:	184.0	Impeller Trim, In.:	9.1
Pump Type:	OpenSump	Head Type:	F:VIT
Pump K-Factor:	13	Number of Stages:	2
		Pumping Level, In.:	120.0

LineShaft-Related Data

Shaft Diameter, In.:	1.19	Shaft Limit, HP:	125
Shaft Material:	416SS	Matl Correction Fact:	1.18
LineShaft Length, In.:	141.87	Shaft Elongation, w/o Adder:	0.01
LineShaft Type:	Open	Impeller Running Clearance:	0.13

Bowl Data

Total Bowl Length, In.:	42.13	Bowl Diameter, In.:	13.625
Bowl Shaft Dia, In.:	1.94	Bowl Shaft Limit, HP:	588
		Bowl Shaft Material:	416SS

Column Data

Column Diameter, In.:	12	Column Load, Lb.:	4410.9
Wall Thickness, In.:	0.375	Column Elongation, In.:	0.00
		Shutoff Column Elongation, In.:	0.00

HorsePower Data

Shaft Friction Loss, Hp.:	0.09	Thrust Load Loss, Hp.:	0.27
Bowl HP At Design, Hp.:	94.6	Motor HorsePower, Hp.:	100

Other Data

Hydraulic Thrust, Lb.:	1924.2	Thrust at Design, Lb.:	2047.0
Thrust at Shutoff, Lb.:	2632.0	Actual Head above Grade, Ft.:	137.15
Available Lateral, In.:	1.00	Design Lateral, In.:	0.14
Shutoff Lateral, In.:	0.14		
Suction Pressure, psi:	0.0	Shutoff Disc Pressure, psi:	79.2
Column Loss, Ft.:	0.15	NPSHa, Ft.:	37.17
Head Loss, Ft.:	0.70	NPSHr, Ft.:	31.30
Total Loss, Ft.:	0.85	NPSH margin, Ft.:	5.87

Efficiency Data (Efficiencies estimated not guaranteed)

Bowl Efficiency:	83.00	Pump Efficiency:	82.21
Motor Efficiency:	95.00	Overall Efficiency:	78.10
		KWH/1000 gallons:	0.60

Component Weights

Bowl Weight, Lbs.:	545	Column Weight, Lbs.:	627
Head Weight, Lbs.:	961	Can Weight, Lbs.:	0
Motor Weight, Lbs.:	1500	Total Pump Weight, Lbs.:	3633

Version: 4.13C

Customer:

Date: 04-20-2012

FORM 0185

The State of Florida

Has Determined That

EDWARD MC CULLERS
Is Qualified As A

Water Well Contractor

PURSUANT TO CHAPTER 373, FLORIDA STATUTES

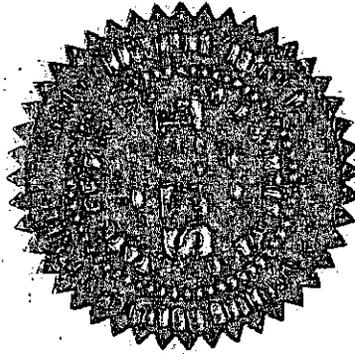
In The

State of Florida

And Hereby Issues

License Number

11312



Issued by South Florida
Water Management District

This 16th Day Of December 2008 A.D.

Ann Marie Suprachi

Ann Marie Suprachi, Water Well Contractor Licensing
Water Use Division

DRUG-FREE WORKPLACE FORM

The undersigned vendor in accordance with Section 287.087, Florida Statutes hereby certifies that
Layne Christensen Company does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or Contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or Contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



Bidder's Signature Edward McCullers; General Manager

4/24/12

Date



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/25/2011

5/1/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER: Lockton Companies, LLC-1 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME:		
	PHONE (A/C No. Ext):	FAX (A/C. No.):	
INSURED 426 LAYNE CHRISTENSEN COMPANY 5061 LUCKETT ROAD FT. MYERS FL 33905	INSURER(S) AFFORDING COVERAGE:		NAIC #
	INSURER A: Old Republic Insurance Company		24147
	INSURER B: A.M. BEST RATING A + XI		
	INSURER C:		
	INSURER D:		
	INSURER E:		
INSURER F:			

COVERAGES LAYIN01 FK CERTIFICATE NUMBER: 10912647 REVISION NUMBER: XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CONTRACTUAL GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC	N	N	MWZY 59151	5/1/2011	5/1/2012	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 5,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS SCHEDULED AUTOS NON-OWNED AUTOS <input checked="" type="checkbox"/>	N	N	MWTB 21277	5/1/2011	5/1/2012	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 11701600 STOPGAP (ND, OH, WA, WV, WY)	5/1/2011	5/1/2012	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 5,000,000 E.L. DISEASE - EA EMPLOYEE \$ 5,000,000 E.L. DISEASE - POLICY LIMIT \$ 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

10912647 PROOF OF INSURANCE	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE: 



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/24/2011

6/1/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies, LLC-1 Kansas City 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: STEADFAST INSURANCE CO.(ZURICH)	
INSURED 5036 LAYNE CHRISTENSEN COMPANY 5061 LUCKETT ROAD FT. MYERS FL 33905	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES: LAYIN01 FK CERTIFICATE NUMBER: 10912657 REVISION NUMBER: XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input type="checkbox"/> OCCUR <input type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/>			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX DAMAGE TO RENTED PREMISES (Ea occurrence) \$ XXXXXXXX MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ XXXXXXXX GENERAL AGGREGATE \$ XXXXXXXX PRODUCTS - COMP/OP AGG \$ XXXXXXXX \$
	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS HIRED AUTOS SCHEDULED AUTOS NON-OWNED AUTOS			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	UMBRELLA LIAB EXCESS LIAB DED <input type="checkbox"/> RETENTION \$ <input type="checkbox"/>			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			NOT APPLICABLE			WC STATUTORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX
A	CONTRACTOR'S POLLUTION LIABILITY	N	N	PEC 7968651-13	6/1/2011	6/1/2012	\$2,000,000. PER LOSS/ \$2,000,000. TOTAL

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

10912657
PROOF OF INSURANCE

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Bonnie J. Foster



CERTIFICATE OF LIABILITY INSURANCE

6/1/2012

DATE (MM/DD/YYYY)

5/24/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies, LLC-1 Kansas City
444 W. 47th Street, Suite 900
Kansas City MO 64112-1906
(816) 960-9000

CONTACT NAME:

PHONE:

(A/C, No., Ext):

E-MAIL:

ADDRESS:

FAX:

(A/C, No.):

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: STEADFAST INSURANCE CO (ZURICH)

INSURER B:

INSURER C:

INSURER D:

INSURER E:

INSURER F:

INSURED 14989 LAYNE CHRISTENSEN COMPANY
5061 LUCKETT ROAD
FT. MYERS FL 33905

COVERAGES LAYIN01 FK CERTIFICATE NUMBER: 10912653

REVISION NUMBER: XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP. (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX DAMAGE TO RENTED PREMISES (Ea occurrence) \$ XXXXXXXX MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ XXXXXXXX GENERAL AGGREGATE \$ XXXXXXXX PRODUCTS - COM/OP AGG \$ XXXXXXXX \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	NOT APPLICABLE			<input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX
A	PROFESSIONAL LIABILITY	N	N	PEC 7968651-13	6/1/2011	6/1/2012	\$2,000,000 PER CLAIM; \$2,000,000 TOTAL.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

10912653

PROOF OF INSURANCE.

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Layne Christensen Company
5061 Luckett Road
Fort Myers, FL 33905

SURETY:

(Name, legal status and principal place of business)

Travelers Casualty and Surety Company of America
One Tower Square
Hartford, CT 06183

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

OWNER:

(Name, legal status and address)

City of Port St. Lucie
121 SW Port St. Lucie Boulevard
Port St. Lucie, FL 34984-5099

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: \$ 5%

Five Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

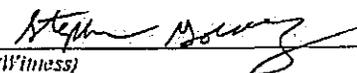
Furnish a 2,100 GPM Injection Well Pump and Motor, Westport WWTF 3721 SW Darwin Blvd., Port St. Lucie, FL, Bid #20120004

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

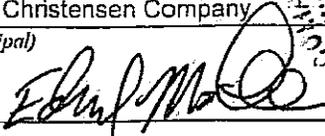
If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

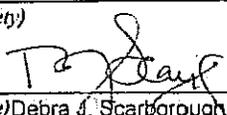
Signed and sealed this 25th day of April, 2012

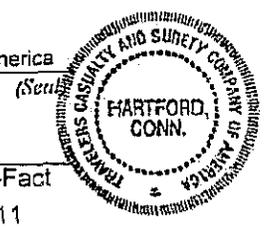
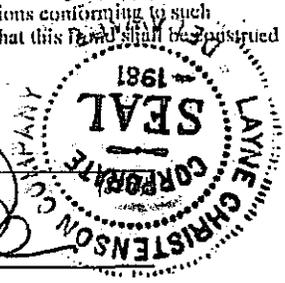

(Witness)

Layne Christensen Company
(Principal)

By: 
(Title)

Travelers Casualty and Surety Company of America
(Surety)

By: 
(Title) Debra J. Scarborough Attorney-in-Fact
Surety Phone No. 860-277-0111





POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 224632

Certificate No. 004713928

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota. that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Patrick T. Pribyl, Debra J. Scarborough, Christy M. McCart, Mary T. Flanigan, Ronald J. Lockton, Claudia Mandato, Jeffrey C. Carey, Kathy L. Fagan, Charles R. Teter III, Laura M. Murren, Nancy A. Clover, Mark Duggan, Charissa D. Lecuyer, Evan D. Sizemore, David M. Lockton, Kathleen M. Coen, and Rebecca S. Gross

of the City of Kansas City, State of Missouri, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 26th day of January, 2012

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
George W. Thompson, Senior Vice President

On this the 26th day of January, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is:

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or undertaking to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this APR 25 2012 day of _____, 20__

THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

Kevin E. Hughes
Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-in-Fact number, the above-named individuals and the details of the bond to which the power is attached.

CHECKLIST

Bid #20120004

Purchase of a 2,100 gpm Injection Well Pump & Motor

Name of Bidder: Layne Christensen Company

This checklist is provided to assist Bidders in the preparation of their bid response. Included in this checklist are important requirements that are the responsibility of each Bidder to submit with their response in order to make their bid response fully compliant. This checklist is only a guideline -- it is the responsibility of each Bidder to read and comply with the Invitation to Bid in its entirety.

- has uploaded Bid Reply Sheet with proper signature.
- has uploaded Drug-Free Workplace Form
- if applicable has acknowledged each bid addendum on the Bid Reply Sheet.
- has uploaded a copy of current Insurance Certificate in accordance with Section
- has uploaded a copy of all required licenses and certification
- has reviewed the Purchase Order and accept all City Terms and Conditions
- has uploaded a copy of the five percent (5%) bid bond.

THIS FORM SHOULD BE RETURNED WITH YOUR BID REPLY SHEET

E-BID REPLY EXCEL SPREADSHEET
 E-BID #20120004
 FURNISH A 2,100 GPM INJECTION WELL PUMP AND MOTOR

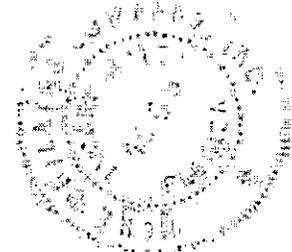
COMPANY NAME: ROWE DRILLING COMPANY, INC.

	Description	Quantity	Units	Unit Cost	Total Cost
1	Pumping Unit: Furnish and deliver one vertical turbine pumping unit, complete with shop drawings, operations and maintenance manuals, pump, column, discharge head, electric motor, coatings, factory testing, shop drawing submittals, certifications, warranties, electrical connections, and all other submittals, inspections, equipment and appurtenances stated or implied, all in accordance with the contract documents, for an assembled, complete and continuous, outdoor operation ready, pumping unit.	1	LS	\$63,860.00	\$63,860.00
2	Pumping Unit Startup, Field Testing, and Training, including vibration and sound level readings, in accordance with the contract documents.	1	Day	\$1,000.00	\$1,000.00
3	Indemnification Fee	1	LS	\$10.00	\$10.00

Total Bid Amount (In Numbers): \$64,870.00

Total Bid In Words: Sixty-Four Thousand Eight Hundred Seventy Dollars

H. Lamar Rowe
 H. Lamar Rowe, President



Bid Reply Sheet
Bid # 20120004
GPM 2.1 Pump & Motor

1. COMPANY NAME: ROWE DRILLING COMPANY, INC.
 DIVISION OF: N/A
 PHYSICAL ADDRESS: 7584 W. TENNESSEE STREET
 MAILING ADDRESS: PO DRAWER 1389
 CITY, STATE, ZIP CODE: TALLAHASSEE, FL 32302
 TELEPHONE NUMBER: (850) 576-1271 FAX NO: (850) 575-6636
 CONTACT PERSON: MARK VANDYKE E-MAIL: msv@rowedrilling.com

2. ORGANIZATIONAL PROFILE: (complete all appropriate information)

Is the firm incorporated? Yes--No If yes, in what state? FLORIDA

H LAMAR ROWE
 President
RICHARD U. ROWE
 Vice President
JACK A. ROWE
 Treasurer

How long in present business: 66 YEARS How long at present location: 66 YEARS

Is firm a minority business: Yes No Does firm have a drug-free workplace program: Yes No
 If no, is your company planning to implement such a program? _____

3. ADDENDUM ACKNOWLEDGMENT - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued
1	4/17/2012
2	4/19/2012
3	4/24/2012

4. VENDOR'S LIST - If your company offers commodities other than the one specified for this bid, and you wish to be put on the vendor's list, please contact Onvia.com at (800) 711-1712. Bid Tabulation Reports are advertised on the City's Web Site at www.Cityofpsl.com.

5. BID RESPONSE:

5.1 Bidder will ~~will not~~ accept the Purchasing Card (Visa).
(please circle one)

5.2 Percentage of discount when payment is made with Visa: N/A %

5.3 Bid Reply Sheet Total \$ 59,910.00

5.4 Delivery time: 120 days after receipt of order.

6. INSURANCE CERTIFICATES LICENSE - Bidders are required, in accordance with Section 5, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain. Bidders are required to submit all licenses and certifications required to perform this project.

7. COMPLETION OF FORM - An authorized representative of the firm offering this Bid must complete this form in its entirety. Prices entered herein shall not be subject to withdrawal or escalation by Bidder. The City reserves the right to hold proposals and bid guarantees for a period not to exceed 90 days after the date of the bid opening stated in the Invitation to Bid before awarding the Bid. Bid award constitutes the date that City Council executes the motion to award the bid.

8. CONTRACT - Bidder agrees to comply with all requirements stated in the specifications for this bid.

9. CERTIFICATION

This bid is submitted by: Name (print) H. LAMAR ROWE who is an officer of the above firm duly authorized to sign bids and enter into Contracts. I certify that this bid is made without prior understanding, Contract, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this bid.

H. LAMAR ROWE, PRESIDENT 4/25/2012
Signature Date

11. Is Bidder related to any City Employee? NO

H. LAMAR ROWE PRESIDENT
Signature Title

If a corporation renders this Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this Bid shall attach to this form evidence of legal authority.

(seal)

Reference Checked	
Clerk Checked	

Client#: 764785

68ROWEDRI

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/30/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER BB&T-Landrum Yaeger 3375-B Capital Circle, NE PO Box 14099 Tallahassee, FL 32317		CONTACT NAME: PHONE (A/C, No, Ext): 850 386-2143 FAX (A/C, No): 888-328-1326 E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:															
INSURED Rowe Drilling Company, Inc. P. O. Drawer 1389 Tallahassee, FL 32302		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Hartford Fire Insurance Company</td> <td>19682</td> </tr> <tr> <td>INSURER B: Travelers Excess and Surplus LI</td> <td>29696</td> </tr> <tr> <td>INSURER C: FFVA Mutual Insurance Company</td> <td>10385</td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Hartford Fire Insurance Company	19682	INSURER B: Travelers Excess and Surplus LI	29696	INSURER C: FFVA Mutual Insurance Company	10385	INSURER D:		INSURER E:		INSURER F:	
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INSURER D:																	
INSURER E:																	
INSURER F:																	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADBL NSR	SUBR WVD	POLICY NUMBER	POLICY EFF. (MM/DD/YYYY)	POLICY EXP. (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC.	X	X	22UUVTB6767	04/01/2012	04/01/2013	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	X	X	22UUVTB6767	04/01/2012	04/01/2013	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB CLAIMS-MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 10,000	X	X	ZUP10R9021312NF	05/25/2012	04/01/2013	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$ \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below		X	WC84000218452012A	04/01/2012	04/01/2013	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
A	Leased/Rent Equip			22UUVTB6767	04/01/2012	04/01/2013	275,000 occ/500,000 agg
A	Pollution Liability			22UUVTB6767	04/01/2012	04/01/2013	100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, If more space is required)

CERTIFICATE HOLDER For Information Purposes Only	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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THE AMERICAN INSTITUTE OF ARCHITECTS

AIA Document A310 Bid Bond

KNOW ALL MEN BY THESE PRESENTS, THAT WE Rowe Drilling Company, Inc.

PO Drawer 1389, Tallahassee, FL 32302

as Principal, hereinafter called the Principal, and Western Surety Company

3375-B Capital Circle, NE, Tallahassee, FL 32308

a corporation duly organized under the laws of the State of SD

as Surety, hereinafter called the Surety, are held and firmly bound unto City of Port St. Lucie

121 SW Port St. Lucie Blvd., Port St. Lucie, FL 34984

as Oblige, hereinafter called the Oblige, in the sum of Five Percent of Amount Bid

Dollars (\$ _____ 5% _____),

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

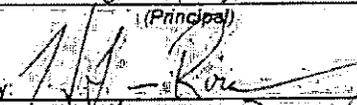
WHEREAS, the Principal has submitted a bid for Furnish and deliver complete pump assembly, Bid 20120004

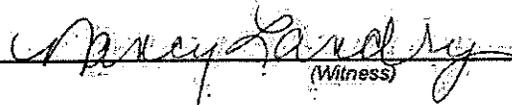
NOW, THEREFORE, if the Oblige shall accept the bid of the Principal and the Principal shall enter into a Contract with the Oblige in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and materials furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Oblige the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Oblige may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 25th day of April, 2012


THERESA E. PHILLIPS
(Witness)

Rowe Drilling Company, Inc.

(Principal) (Seal)
By: 
H. LAMAR ROWE, PRESIDENT (Title)


(Witness)

Western Surety Company

(Surety) (Seal)
By: 
Attorney-in-Fact Benjamin R. Campbell (Title)

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

William R Vanlandingham, Benjamin R Campbell, Ewell Scott Jay, Individually

of Tallahassee, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Senior Vice President and its corporate seal to be hereto affixed on this 17th day of March, 2009.



WESTERN SURETY COMPANY

Paul T. Bruflat

Paul T. Bruflat, Senior Vice President

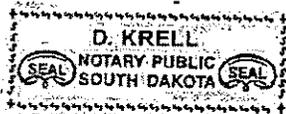
State of South Dakota }
County of Minnehaha }

SS

On this 17th day of March, 2009, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Senior Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires:

November 30, 2012



D. Krell

D. Krell, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 25th day of April 2012



WESTERN SURETY COMPANY

L. Nelson

L. Nelson, Assistant Secretary



STATE OF FLORIDA
Water Well Contractor License



Issued to

H Lamar Rowe

By

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Pursuant to Chapter 373, Florida Statutes.

License Number

1187

DLB

Executive Director

Issue Date: June 27, 2011

Expires: July 31, 2013

11:30:03 AM 3/8/2012

Licensee Details

This is a business tracking record only.
[Click here for information on how to verify that this business is properly licensed.](#)

Licensee Information

Name: **ROWE DRILLING COMPANY INC (Primary Name)**
(DBA Name)
Main Address: **P O DRAWER 1389**
TALLAHASSEE Florida 32302
County: **LEON**
License Mailing:
License Location: **7580 WEST TENNESSEE STREET**
TALLAHASSEE FL 32304
County: **LEON**

License Information

License Type: **Construction Business Information**
Rank: **Business Info**
License Number:
Status: **Current/Active**
Licensure Date: **11/06/1996**
Expires:

Special Qualifications Qualification Effective

[View Related License Information](#)**[View License Complaint](#)**

**Contact Us :: [1940 North Monroe Street, Tallahassee FL 32399](#) :: Call.Center@dbpr.state.fl.us :: Customer Contact Center:
850.487.1395**

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C# 5036126

STATE OF FLORIDA

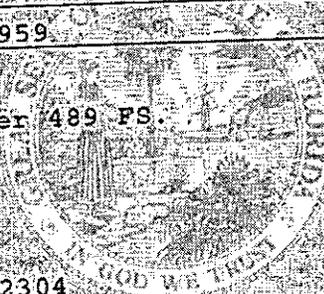
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L10071401029

DATE	BATCH NUMBER	LICENSE NBR
07/14/2010	108003749	CBC1255959

The BUILDING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2012

ROWE, RICHARD JORDAN
ROWE DRILLING COMPANY INC
7580 WEST TENNESSEE ST
TALLAHASSEE FL 32304



CHARLIE CRIST
GOVERNOR

CHARLIE LIEM
INTERIM SECRETARY

DISPLAY AS REQUIRED BY LAW

CHECKLIST
Bid #20120004
Purchase of a 2,100 gpm Injection Well Pump & Motor

Name of Bidder: ROWE DRILLING COMPANY, INC.

This checklist is provided to assist Bidders in the preparation of their bid response. Included in this checklist are important requirements that are the responsibility of each Bidder to submit with their response in order to make their bid response fully compliant. This checklist is only a guideline -- it is the responsibility of each Bidder to read and comply with the Invitation to Bid in its entirety.

- X has uploaded Bid Reply Sheet with proper signature.
- X has uploaded Drug-Free Workplace Form
- X if applicable has acknowledged each bid addendum on the Bid Reply Sheet.
- X has uploaded a copy of current Insurance Certificate in accordance with Section
- X has uploaded a copy of all required licenses and certification
- X has reviewed the Purchase Order and accept all City Terms and Conditions
- X has uploaded a copy of the five percent (5%) bid bond.

THIS FORM SHOULD BE RETURNED WITH YOUR BID REPLY SHEET