



LAKE COUNTY
FLORIDA

MODIFICATION OF CONTRACT

<p>1. Modification No.: 2 Effective Date: December 12, 2016</p>	<p>2. Contract No.: 16-0623 Effective Date: June 21, 2016</p>
<p>3. Contracting Officer: Cathy Vanatta Telephone Number: (352) 343-9489</p>	<p>5. Contractor Name and Address: Progressive Environmental Services, LLC 1121 High Street Portsmouth, VA 23704 Attn: S. Steven Carl</p>
<p>4. Issued By: Procurement Services Lake County Administration Building 315 W. Main St., Suite 441 Tavares, Florida 32778-7800</p>	
<p>6. SPECIAL INSTRUCTIONS: Contractor is required to sign Block 8 showing acceptance of the below written modification and <u>return this form to address shown in Block 4 within ten (10) days after receipt</u>, preferably by certified mail to ensure a system of positive receipts. Retain a photocopy of the signed copy of this modification and attach to original of contract, which was previously provided.</p>	
<p>7. DESCRIPTION OF MODIFICATION: This modification is issued to update authorized pricing per the attached schedule.</p>	
<p>8. Contractor's Signature REQUIRED Name: <u>[Signature]</u> Title: <u>President</u> Date: <u>12/16/16</u></p>	<p>9. Lake County, Florida By: <u>[Signature]</u> Procurement Services Supervisor <u>12/16/16</u> Date</p>
<p>10. Distribution: Original - Bid No. 16-0623 Copies - Contractor Contracting Officer</p>	

FISCAL & ADMINISTRATIVE SERVICES – DIVISION OF PROCUREMENT SERVICES
P.O. BOX 7800 • 315 W. MAIN ST., TAVARES, FL 32778 • P 352.343.9839 • F 352.343.9473
Board of County Commissioners • www.lakecountyfl.gov

TIMOTHY I. SULLIVAN
District 1

SEAN M. PARKS, AICP, QEP
District 2

WENDY R. BREEDEN
District 3

LESLIE CAMPIONE
District 4

JOSH BLAKE
District 5

COST ESTIMATE

Chemical cleaning is a relationship of the volume of chemistry (total pounds) required to remove the depositions and the total pounds of the deposition in the system. Since there is not any way to measure the total pounds of deposited scale we are estimating the chemical volumes required per linear foot of the different sized pipes. This quote is for sufficient chemistry to clear the identified blockages.

Cleaning a total of approximately 2,500' of 4" pipe including LCS main and collection laterals and any associated transfer piping. PES is estimating a total of - 8 hour working days on site.

Mobilization/Demobilization	\$ 7,200
Labor and Equipment for Cleaning (estimate 5 days)	\$21,250
Chemical for Cleaning	\$ 6,000
Total Cost	\$34,450

This total Estimate is based on a 5 day 40 hour work week. Actual cost may change based on actual time and materials as directed by Lake County Landfill Management. Cost will vary if additional weekend work or overtime is requested or required. PES will invoice Weekly for mob/demob and percentage of completion.

DISPOSAL: PES assumes all spent solution will be sent through the onsite system, which will include no further cost to Lake County. However, if PES cannot dispose onsite cost will consist of Time and Materials for Labor, Transportation and discharge. Cost plus 30%.

The Price is exclusive of applicable taxes

The Price excludes cost for PES Staff to be on site for safety seminar (if required)

Terms: 1%-10, Net 30 Days from project completion. If the project runs over one month then progress payments will be required.



LAKE COUNTY
FLORIDA

MODIFICATION OF CONTRACT

1. Modification No.: 1 Effective Date: December 15, 2016	2. Contract No.: 16-0623 Effective Date: June 21, 2016
3. Contracting Officer: Donna Villinis Telephone Number: (352) 343-9765	5. Contractor Name and Address: Progressive Environmental Services LLC 1121 High Street Portsmouth, VA 23704 Attn: S. Steven Carl
4. Issued By: Procurement Services Lake County Administration Building 315 W. Main St., Suite 441 Tavares, Florida 32778-7800	
6. SPECIAL INSTRUCTIONS: Contractor is required to sign Block 8 showing acceptance of the below written modification and <u>return this form to address shown in Block 4 within ten (10) days after receipt</u> , preferably by certified mail to ensure a system of positive receipts. Retain a photocopy of the signed copy of this modification and attach to original of contract, which was previously provided.	
7. DESCRIPTION OF MODIFICATION: Modification to extend contract one (1) additional year, expiring December 14, 2017 in accordance with pricing, terms and conditions of the competitively competed and awarded contract (No. SWA 15-02/PF) by the Solid Waste Authority of Palm Beach County.	
8. Contractor's Signature REQUIRED Name: <u>S. Steven Carl</u> Title: <u>President</u> Date: <u>8/26/16</u>	9. Lake County, Florida By: <u>[Signature]</u> Senior Contracting Officer <u>8-26-2016</u> Date
10. Distribution: Original - Contract File Copies: Vendor, Department	

FISCAL AND ADMINISTRATIVE SERVICES/PROCUREMENT SERVICES
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TIMOTHY I. SULLIVAN
District 1

SEAN M. PARKS, *Atty. Gen.*
District 2

JIMMY CONNER
District 3

LESLIE CAMPIONE
District 4

WELTON G. CADWELL
District 5

16-0623

Chemical Cleaning of Landfill Leachate Collection System

Piggy-back Palm Beach County Contract #SWA 15-02/PF with
Progressive Environmental Services



YOUR PARTNER FOR
SOLID WASTE SOLUTIONS

December 10, 2014

Progressive Environmental Services LLC
Attn: S. Steven Carl
1121 High Street
Portsmouth, Virginia 23704

Subject: Contract Award
Bid Number: 15-02/PF
Title: Chemical Cleaning of Sanitary Landfill Leachate
Collection System
Term: December 15, 2014 through December 14, 2015

Dear Mr. Carl:

This is to advise you that on December 9, 2014, the Solid Waste Authority of PBC, accepted your offer per Bid No. 15-02/PF to provide Chemical Cleaning of Sanitary Landfill Leachate Collection System. This award and any subsequent issuance of Purchase Order(s) are subject to compliance with the bid specifications, terms and conditions. This notification is not a purchase order. A purchase order will be issued after the required certificate of insurance has submitted to the Authority.

Please provide your certificate of insurance per the insurance requirements outlined in the Quote. Your insurance company must have the Solid Waste Authority of PBC, Florida, NAMED AS AN ADDITIONAL INSURED. The certificate of insurance must reference the above quote number. Purchase order(s) will not be issued until your certificate is in compliance.

Thank you for your bid and we are looking forward to doing business with you and your company.

Sincerely,

Sig. *Phillip Ford*

Phillip Ford, CPPO, CPPB, Supervisor
Purchasing Services

cc: User Department
Bid File

SUBMIT BID TO:
Solid Waste Authority of Palm Beach County
7501 North Jog Road
West Palm Beach, Florida 33412
Attn: PURCHASING



INVITATION TO BID

Bidder Acknowledgment

PURCHASING DEPARTMENT CONTACT:
Marina Kane
Telephone: 561 640-4000, ext 4520

**Bid Title: CHEMICAL CLEANING OF SANITARY LANDFILL
LEACHATE COLLECTION SYSTEM**

Bid No.: SWA 15-02/PF

Bid must be received no later than 2:00 PM, OCTOBER 2, 2014, at which time bids will be opened.

Bidder Name: <u>Progressive Environmental Services LLC</u>		Fed. ID No. or SS Number: <u>27-0632523</u>	
Mailing Address: Street: <u>1121 High St.</u>		Toll Free Telephone Number: <u>N/A</u>	e-Mail Address: <u>Shelley.Johnson@ progressive-us.com</u>
City: <u>Portsmouth</u>	State: <u>VA</u>	ZIP: <u>23704</u>	Office Number: <u>(757) 606-1840</u> FAX: <u>(757) 606-1853</u>
Is Vendor a Certified Minority? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Certified or Cashier's Check is attached, when required, in the amount of \$	
Agencies Certified with:		If returning as a "NO BID", please fill out "No-Bid" Response Form and return it along with this page. Attn: Purchasing.	
Delivery: _____ calendar days ARO			
ANTI-COLLUSION: The signed bidder certifies that he or she has not divulged, discussed or compared his or her bid with other bidders and has not colluded with any other bidder or parties to a bid. (Note: No premiums, rebates or gratuities permitted either with, prior to, or after any delivery of material. Any such violation will result in the cancellation and/or return of materials (as applicable) and the removal from the bid lists(s).)			
 Authorized Signature (Manual)		S. Steven Carl Authorized Name (Typed)	
		President Title (typed)	

THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR BID

It is your sole responsibility to ensure that you receive every page of the bid document and that you check the Purchasing web page @ www.swa.org for any addenda to the bid document. These addenda may contain critical information that directly affects how an item should be bid. Failure to account for these addenda will most likely result in rejection of your bid submittal as non-responsive. The Authority provides this web site as a courtesy only and assumes no direct or implied responsibility for omissions which materially affect your bid submittal. Note: Responses to solicitations cannot be submitted to the Authority electronically.

GENERAL CONDITIONS, INSTRUCTIONS AND INFORMATION FOR BIDDERS

THE AUTHORITY WILL ENDEAVOR TO SEND ANY ADDENDA TO ALL PROSPECTIVE BIDDERS ON RECORD. HOWEVER, IT IS THE BIDDERS SOLE RESPONSIBILITY TO ASCERTAIN, BY CONTACTING THE AUTHORITY'S PURCHASING SERVICES NO LESS THAN FIVE (5) CALENDAR DAYS PRIOR TO THE BID OPENING DATE, WHETHER ANY ADDENDA TO THIS BID HAVE BEEN ISSUED, AND TO SUBMIT ANY AND ALL SUCH ADDENDA PROPERLY ACKNOWLEDGED WITH THE BID RESPONSE. THE AUTHORITY WILL NOT ISSUE ADDENDA, OTHER THAN A DELAY IN BID OPENING DATE, WITHIN FIVE (5) CALENDAR DAYS OF BID OPENING.

These documents constitute the complete set of specification requirements and bid forms. All bid sheets and attachments must be executed and submitted in a sealed envelope. DO NOT INCLUDE MORE THAN ONE BID PER ENVELOPE. The face of the envelope shall contain Bidder's name, return address, the date and time of bid opening, the bid number and title. Bids not submitted on the enclosed Bid Form shall be rejected. By submitting a bid the Bidder agrees to be subject to all terms and conditions specified herein. No exceptions to the terms and conditions shall be allowed. Submittal of a bid in response to this Invitation to Bid constitutes an offer by the Bidder. Bids which do not comply with these requirements may be rejected at the option of the Authority.

- 1. EXECUTION OF BID:** Bid must contain a manual signature, in ink, of an authorized, representative, who has the legal ability to bind the Bidder in contractual obligations. Bid must be typed or legibly printed in ink. Use of erasable ink is not permitted. All corrections made by Bidder to any part of the bid document must be initialed in ink.
- 2. NO BID:** If not submitting a bid, please respond no later than the bid opening date and time, by returning the Bidder Acknowledgment and "No Bid" Response Submittal Form, noting the reason in the space provided. Failure to respond 3 times in succession without justification may be cause for removal of the Bidders name from the mailing list.
- 3. BID OPENING:** Shall be public, at the Authority's Administrative Offices located at:
- 4. TAXES:** The Authority is exempt from Federal Excise and State Sales Taxes on direct purchases of tangible personal property. The Authority's exemption number is on the face of the purchase order. The Director of Purchasing Services will provide an exemption certificate to the successful Bidder. Vendors or contractors doing business with the Authority shall not be exempted from paying sales tax to their suppliers for materials to

7501 North Jog Road
West Palm Beach, Florida 33412



YOUR PARTNER FOR
SOLID WASTE SOLUTIONS

POSTED

ADDENDUM 1

Date: September 30, 2014

Bid No.: SWA 15-02/PF

Title: Chemical Cleaning of Sanitary Landfill Leachate Collection System

The purpose and intent of this addendum is to revise the subject solicitation as follows:

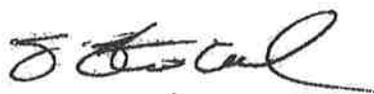
RETURN DATE NOW READS:

Bid must be received no later than 2:00 PM, October 2, 2014, at which time bids will be opened.

RETURN DATE CHANGE TO READ:

Bid must be received no later than **2:00 PM, OCTOBER 14, 2014**, at which time bids will be opened.

FAILURE TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM MAY RESULT IN REJECTION OF YOUR BID.



Signature
**Progressive
Environmental Services**

Company


Title

10-9-14
Date



Phillip Ford, CPPO, CPPB
Purchasing Supervisor


Neil T. Apper, C.P.M.
Procurement Manger

TECHNICAL SPECIFICATIONS
CHEMICAL CLEANING OF LANDFILL LEACHATE
COLLECTION SYSTEM
SWA Bid No. 15-02/PF

SCOPE OF WORK:

The work shall include, but not necessarily be limited to the following:

Leachate Chemical Cleaning, maintenance and miscellaneous repairs for lateral, gravity and force main collection & conveyance systems. Additional responsibilities may include pumping sediments from pump stations which are up to 30 feet in depth.

Chemical(s) shall dissolve, remove, penetrate and disperse unwanted build up of deposits and scale and all other existing microbial activity resulting in a clean leachate collection system. Chemicals are to be formulated for removing deposits and scale and shall contain inhibitors to protect associated metals from corrosion.

The cleaning process shall circulate or surge a specially formulated cleaning solution throughout the piping system to remove the accumulated build-up of scale. Tests on the samples within the cells will be conducted on-site for evaluation.

Chemical cleaning is necessary to open the system sufficiently for proper access of equipment to examine the system and determine the extent of clogging. Once cleared, technicians will be able to review the surfaces and determine the extent of the systems problems.

Expectations of chemical cleaning of the leachate piping system:

- | | |
|-------------------------------|--|
| 1. Increase system efficiency | 3. Improved water collection |
| 2. Lower maintenance costs | 4. Increase system hydraulic performance |

The selected vendor(s) will be allowed to recirculate spent cleaning chemicals utilized in cleaning and the residue removed from the Landfill Leachate Collection System, provided that the composition of chemical cleaning products and residue removed complies with the requirements of Solid Waste Authority's injection well operating permit. Prior to disposal of any cleaning residues, vendor will be required to gain prior approval from the Authority to ensure vendor meets quality and composition suitable for disposal in Authority's Leachate Collection System.

Contractor's Responsibility

The successful bidder shall furnish at their expense all supervisors, equipment, machinery, tools, materials, labor, and transportation and services necessary to fully accomplish Leachate Collection System cleaning as specified herein.

The contractor shall be responsible for providing staff that have been trained and certified by a properly designated State lead agency as competent to handle and apply chemicals and other products necessary to implement chemical cleaning services.

Bidder (Company) **Progressive
Environmental Services**
SWA 15-02/PF

Signature



TEC-1

The contractor shall be responsible for the safe use and application of products used. Protective clothing, equipment and devices shall, at a minimum, conform to Occupational Safety and Health Administration (OSHA) standards for the products being used. Contractor shall provide MSDS sheets on all chemicals to be used in performance of the scope of services.

Contractor shall be responsible to ensure frequent pickup of any and all refuse, rubbish, scrap materials, and debris as a result of their operations so that work site presents a neat and orderly appearance at all times. Contractor **shall not** deposit any empty or partially empty **chemical containers** in refuse containers at Authority structures.

Contractor will be responsible to ensure that all work is carried out in a manner to mitigate any hazards associated with chemical cleaning. The contractor will be responsible for ensuring adequate protection is in place to prevent chemical spillage or the uncontrolled discharge of leachate. Prior to commencement of any work the Contractor shall submit a plan how he intends to comply with this requirement. Contractor shall also be responsible for the cleanup of any discharge while performing services for the Authority.

Contractor to provide listing of certifications and training of staff related to the work to be performed.

Provided By SWA

The SWA will provide water source for chemical cleaning and will work cooperatively with Contractor to ensure access to leachate collection system.

MINIMUM QUALIFICATIONS:

Vendors must provide credentials and past performance which verify the qualifications requested.

A. Cleaning Services:

- 1) 3 years company experience in the removal of "Biorock" scale formation in municipal utility lines.
- 2) 3 years company experience in the use of chemical cleaning process in a landfill application.
- 3) 3 years company experience in the removal of sediment and rock debris from manholes and/or pump stations up to 30 feet deep.
- 4) Complete history of all projects completed and experience of employees for the last three (3) years.

B. Confined space services:

- 1) Certified Diver shall have a minimum of three (3) years experience.

RELEVANT PROJECT EXPERIENCE:

Bidders are requested to provide previous experience with landfill leachate collection systems. Furnish the following information for three (3) representative projects:

- Project Name
- Project Location

Bidder (Company) **Progressive Environmental Services**
SWA 15-02/PF

Signature 
TEC-2

- A description of the project.
- Address of Bidder office responsible for providing the majority of services for the project.
- Client reference name, address, telephone number of client project manager.
- The role of the Bidder (Prime, Sub-Contractor, other)
- Key Bidder staff used on the project.
- The original and final contract amounts for the project.
- The original and actual time of completion and project duration.
- Percentage of overall project cost that was self performed.

PROPOSED TECHNOLOGY:

Describe the proposed method(s), equipment to be used on site and techniques that may be used in the field.

1. Equipment(s) - List all the equipment to be used.
2. Crew - List each member of the cleaning crew.
3. Techniques - Describe methods and technologies to be used on site.
4. Provide SWA with all data, indicating chemical compatibility with SWA's Leachate Collection System components.

PERFORMANCE:

All work shall be performed on a time and material basis when and as directed by authorized personnel of the Solid Waste Authority. **Contractor's staff, upon arrival at the SWA facility, shall have the site supervisor or designee initial acknowledgement of arrival time and shall have a supervisor or designee sign acknowledgement of departure time on Attachment 1, Safety Check/Time Sheet Log.**

SITE INSPECTION ESTIMATE:

When the need arises, the Authority will notify the contractor of the need for cleaning services. Notification will include name and address of the facility, name and telephone number of the contact person.

Within five (5) working days after notification of a job, contractor shall make a site inspection (if required) and provide a written estimate based on prices bid herein. The deadline may be extended by Authority personnel if required. All written estimates must provide a breakdown of labor hours, materials costs, equipment costs, and any subcontractor fees. All written estimates must be submitted using the Job Estimate Form - Attachment 1.

The following procedure will be followed:

1. Contractor shall utilize site inspection to ascertain if there are any discrepancies from these bid specifications.
2. During site inspection if the contractor detects or anticipates a problem that may interfere with work set forth herein, they shall immediately notify SWA Utilities.

Bidder (Company) Progressive Environmental Services Signature 
 SWA 15-02/PF TEC-3

3. Hourly rates are defined as actual time worked. Hourly rates for personnel shall commence upon arrival at site. No travel time shall be reimbursed by the Authority. Shop rate shall include pickup and/or delivery cost to all sites.
4. All cleaning services will be completed within seven (7) days of the receipt of printed purchase order or blanket order release. * Some jobs may be longer. Request permission from SWA for extension on certain jobs.
5. The Authority will pay a minimum charge of one (1) hour for one crew for each service call requested.
6. All parts/materials, equipment, and/or subcontracting costs will be furnished by contractor on a "Pass-Thru" basis (see Special Condition 44). Supporting supply house documentation must be supplied with the invoice for material cost in excess of \$500.00 for reimbursement by the Authority. Approval must be made in writing by authorized Authority personnel prior to purchase of materials. Such materials shall become the property of the Authority.
7. Failure to respond to requests for competitive job estimates on a timely basis on three (3) consecutive occasions will be grounds for cancellation of bidder's contract.
8. Contractor shall provide a detailed schedule of all contractor activities for the work to be performed. Included in this schedule shall be all subcontractor activities and schedule.
9. Contractor shall provide a plan outlining full description of work to be performed by contractor and subcontractor. Contractor shall also provide specific details pertaining to cleaning methods and procedures. Plan shall also include procedure for disposition of used chemicals.

RESPONSE TIME:

Contractor shall provide hourly rates for each of the following response times:

1. **Routine Service:** Whenever normal operations of an Authority site are not affected. Work to be accomplished during normal hours (7:00 AM through 5:00 PM, Monday through Friday). Response time to be within two (2) weeks of request.
2. **Emergency Service:** Whenever lives and/or property are at risk or the normal operation of an Authority site is halted. Response time is to be within two (2) days of request. Emergency service labor rates shall be no more than 1 ½ times the routine service rates.
3. **Premium/Holidays:** Work to be accomplished after the Authority's normal business hours on Saturdays, Sundays and Holidays. Holiday rates go into effect on the holidays observed by the Authority. Currently these holidays are honored by the Authority: New Year's Day, Martin Luther King's Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving & Day after, Christmas Day & Day before or after. Premium/holiday rates shall be no more than double the routine service rates.

Bidder (Company) Progressive Environmental Services Signature 
 SWA 15-02/PF TEC-4

EQUIPMENT:

Contractor shall provide a complete list and description of all equipment available to provide the required service. All equipment needed to perform the required work shall be furnished by the contractor at no additional cost to the Authority.

SERVICE PROCEDURE:

Written estimates reflecting bid pricing must be submitted for each project with estimated costs over \$5,000.00 (See Attachment 1).

MATERIALS/RENTAL TOOLS AND EQUIPMENT

SWA shall reimburse Contractor for Contractor's actual cost of materials, rental equipment and tools plus mark-up not to exceed 5% of the Contractor's actual cost. Documentation of such cost, such as copies of invoices or other valid documentation for the materials, rental of equipment and tools, shall be furnished with the invoice to SWA. In cases where the Contractor manufactures his or her own materials, he or she will charge SWA a price no higher than he or she charges his or her most favored customer. SWA reserves the right to request verification.

SUBCONTRACTING:

Should the Contractor elect to subcontract any portion of an individual project, the Contractor must first check with SWA to identify if any SWA contracts can be utilized for required services. SWA will reimburse Contractor for subcontractor's actual cost plus mark-up not to exceed 5%. Any materials, rental tools and equipment provided by the subcontractors shall be at subcontractor's actual cost. Invoices and documentation must be provided with copies of subcontractor's invoices. The subcontractor shall be equally responsible for meeting all requirements specified in this bid.

Contractor shall not employ any subcontractor, supplier or other persons or organization against whom the Authority may have reasonable objection. Acceptance of any subcontractor by the Authority shall not constitute a waiver of any right of the Authority to reject defective work. The Authority may furnish to any such subcontractor, supplier or other persons or organization to the extent practicable, information about amounts paid on their behalf to the contractor.

If a subcontractor fails to perform or make progress as required by the Authority, and it is necessary to replace the subcontractor to complete the work in a timely fashion, the contractor shall promptly do so, subject to acceptance of the new subcontractor by the Authority.

The contractor shall employ its own forces, in addition to supervision, to perform not less than 80% of the estimated sum. Once the estimate is approved, no changes will be made to the estimate without prior written approval by the Authority.

Bidder (Company) Progressive Environmental Services
SWA 15-02/PF

Signature 

BID PROPOSAL FORM

**CHEMICAL CLEANING OF LANDFILL LEACHATE
COLLECTION SYSTEM
SWA Bid No. 15-02/PF**

THE UNDERSIGNED BIDDER, having familiarized himself with the specifications in the Invitation to Bid, and all laws, regulations and other factors affecting performance of the work, and having satisfied himself of the expense and difficulties attended in the performance of a contract.

HEREBY PROPOSES AND AGREES, in this **BID NO. 15-02/PF**, that the Bidder hereby accepts all terms and conditions as stated herein, and shall enter into a Contract to perform for the following price.

Item	Description	Charges
1	MOBILIZATION/DEMobilIZATION: LUMP SUM, ONE-TIME FEE PER JOB	\$ <u>6,350.-</u>
2	CHEMICAL CLEANING – ROUTINE SERVICE (*INCLUSIVE OF CREW AND EQUIPMENT)	Daily (8 hour day) \$ <u>3,850.-</u>
<i>Daily service shall be considered as a continuous eight (8) hour shift that is performed within the normal hours of 7:00 AM through 5:00 PM, (Monday through Friday), EXCLUSIVE of a one (1) hour lunch period.</i>		
3	CHEMICAL CLEANING – EMERGENCY SERVICE (*INCLUSIVE OF CREW AND EQUIPMENT)	Daily (8 hour day) \$ <u>4,650.-</u>
4	CHEMICAL CLEANING – PREMIUM/HOLIDAY SERVICE (*INCLUSIVE OF CREW AND EQUIPMENT)	Daily (8 hour day) \$ <u>4,650.-</u>

* Daily rates are inclusive of all costs associated with providing personnel and equipment for chemical cleaning services. Rates shall include all labor, supervision, equipment operation, repair and maintenance of Contractor's equipment, mileage, rentals, travel, meals and lodging, profit and overhead.

To determine a contractor's pay for a partial days work, the daily rate shall be divided by 8 and multiplied by the number of hours of work completed.

Chemicals, miscellaneous items pre-approved by the Authority and subcontracting will be paid at contractor's cost on a "Pass-Thru" basis (see Special Condition 44). Disposal of any used or spent chemicals that cannot be recirculated within the SWA landfill will be reimbursed at Contractor's cost.

Bidder(Company) Progressive Environmental Services Signature 
SWA 15-02/PF BFM-1

Bids will be evaluated on the basis of the lowest grand total price from responsive, responsible bidders. The low bidder will be determined by use of the prices provided by the bidder in the following hypothetical scenarios:

SCENARIO NO. 1 – CONTRACTOR IS REQUIRED TO COMMENCE WORK ON A MONDAY AND FINALIZE PROJECT BY COMPLETION OF THE SWA’S BUSINESS HOURS ON FRIDAY. 5-DAYS / 40 HOURS. PROJECT INCLUDES:

- MOBILIZATION/DEMOBILAZATION FEE
- 5-DAYS OF CHEMICAL CLEANING

SCENARIO NO. 2 – CONTRACTOR IS REQUIRED TO COMMENCE WORK ON A WEDNESDAY AND FINALIZE PROJECT BY 5:00 PM ON SATURDAY. 4-DAYS / 32 HOURS. PROJECT INCLUDES:

- MOBILIZATION/DEMOBILAZATION FEE
- 4-DAYS OF CHEMICAL CLEANING

SCENARIO NO. 3 – CONTRACTOR IS REQUIRED TO COMMENCE WORK ON A WEDNESDAY AND FINALIZE PROJECT BY 5:00 PM ON FRIDAY OF THE FOLLOWING WEEK. 10-DAYS / 80 HOURS. PROJECT INCLUDES:

- MOBILIZATION/DEMOBILIZATION FEE
- 10-DAYS OF CHEMICAL CLEANING

COMPLY
YES NO

Routine Service: Within two weeks of request
(Shall be defined as Monday-Friday 7:00 AM thru 5:00 PM)

X _____

Emergency Service
Shall be defined as work to be started within 2 days of request
And labor rates no more than 1 ½ routine service rate.

X _____

Premium/Holidays

Shall be defined as work to be accomplished after the Authority’s
normal business hours and/or on Saturdays, Sundays and Holidays and
labor rates no more than 1 ½ the routine service rate.

X _____

Are License Information and copies of licenses/certifications included?

X _____

Bidder(Company) **Progressive Environmental Services** Signature 
SWA 15-02/PF BFM -2

Was Visual Inspection made, per Term and Condition #44?

X _____

Is Qualification of Bidders information included, per Term and Condition #45?

X _____

Is the Drug-Free Workplace Form attached?

X _____

Is the Conditions for Emergency/Hurricane or Disaster Form attached?

X _____

Bidder understands that the Authority reserves the right to reject all Bids and to waive any informality in bidding. The Bidder agrees that this Bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids, prior to award.

Payment Terms: Net 30 days

By (Signature):	<i>Steve Carl</i>	Date:	<i>9/30/14</i>
Name (Printed):	<i>Steve Carl</i>	Title:	<i>President</i>
Company Name:	Progressive Environmental Services	Telephone:	<i>757-531-6602</i>
Address:	1121 High Street Portsmouth, VA 23704		
		E-Mail:	<i>steve.carl@progressive-us.com</i>

AREA REPRESENTATIVE:

Name (Printed):	<i>Steve Carl</i>	Office FAX:	<i>757-606-1853</i>	
Title:	<i>President</i>	Office Phone:	<i>757-606-1840</i>	
Address:	Progressive Environmental Services 1121 High Street Portsmouth, VA 23704		Cell Phone:	<i>757-531-6602</i>
		E-Mail:	<i>steven.carl@progressive-us.com</i>	
24 Hour Contact Phone Number	<i>757-531-6602</i>	Beeper:	<i>NA</i>	

Bidder(Company) Progressive Environmental Services Signature *Steve Carl*
SWA 15-02/PF

SAVINGS

(For internal information purposes only. Not a factor in award of this contract)

Bidder is required to furnish the percent (%) savings in prices offered in this bid compared to prices that would be paid by the purchaser without benefit of a contract resulting from this bid.

BID PRICES OFFERED AVERAGE 15 % LOWER THAN:

(CIRCLE ONE OF THE FOLLOWING NUMBERS)

1. Price that would be obtained without benefit of a contract resulting from this bid.
2. Manufacturer's current wholesale price list.
3. Other (specify) _____

SMALL BUSINESS ENTERPRISE

(For internal information purposes only. Not a factor in award of this contract except in the event of a tie bid as prescribed in the Authority's Purchasing Manual, Section 7.2, Tie Bid Preference)

If you are a Small Business Enterprise please complete the following. This information will assist us in identifying your small business enterprise in our database.

Are you currently certified as a Small Business Enterprise (SBE) vendor with a government entity? Yes No

>><<

**** THE FOLLOWING INFORMATION IS FOR TRACKING PURPOSES ONLY**

Are you currently certified as a minority or woman (M/WBE) vendor with a government entity? Yes No

With what agency(s)? *(Attach copy of certification certificate(s) with your response with this bid/quotation.)*

1. _____
2. _____
3. _____

Comments: _____

Bidder(Company) **Progressive Environmental Services** Signature J. [Signature]
SWA 15-02/PF BFM -4

REFERENCES

CHEMICAL CLEANING OF LANDFILL LEACHATE COLLECTION SYSTEM SWA BID 15-02/PF

This information will be used in the evaluation of this bid.

List a minimum of three (3) references per **STC #45 QUALIFICATION OF BIDDERS**, to bidder's experience in chemical cleaning services. Provide a brief description of chemical cleaning services, with cost of services, contact name, addresses, telephone numbers and dates. Please Print or Type. Use additional sheets if necessary.

Reference #1

See Attachment Following

Name of Firm:	Address:
Brief description of services provides:	
Cost of service: \$	Date:
Contact Person:	Office Phone:
Title:	FAX:
E-mail:	Cell phone:

Reference #2

Name of Firm:	Address:
Brief description of services provides:	
Cost of service: \$	Date:
Contact Person:	Office Phone:
Title:	FAX:
E-mail:	Cell phone:

Bidder (Company) **Progressive Environmental Services**
SWA Bid 15-02/PF

Signature 

REF-1

Reference #3

Name of Firm:	Address:
Brief description of services provides:	
Cost of service: \$	Date:
Contact Person:	Office Phone:
Title:	FAX:
E-mail:	Cell phone:

Reference #4

Name of Firm:	Address:
Brief description of services provides:	
Cost of service: \$	Date:
Contact Person:	Office Phone:
Title:	FAX:
E-mail:	Cell phone:

Reference #5

Name of Firm:	Address:
Brief description of services provides:	
Cost of service: \$	Date:
Contact Person:	Office Phone:
Title:	FAX:
E-mail:	Cell phone:

Bidder (Company) **Progressive Environmental Services**
 SWA Bid 15-02/PF

Signature 

DRUG-FREE WORK PLACE FORM

**CHEMICAL CLEANING OF LANDFILL LEACHATE
COLLECTION SYSTEM**

SWA Bid No. 15-02/PF

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that

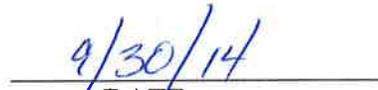
**Progressive
Environmental Services** _____ does:
(Name of Business)

- 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 State 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

CONDITIONS FOR EMERGENCY/HURRICANE OR DISASTER
CHEMICAL CLEANING OF LANDFILL LEACHATE
COLLECTION SYSTEM

SWA Bid No. 15-02/PF

It is hereby made a part of this Invitation to Bid that before, during and after a public emergency, disaster, hurricane, flood, or acts of God that the Solid Waste Authority of Palm Beach County shall require a "first priority" basis for goods and services. It is vital and imperative that the majority of citizens are protected from any emergency situation which may threaten public health and safety, as determined by the Solid Waste Authority of Palm Beach County. Vendor/contractor agrees to rent/sell/lease all goods and services to the Solid Waste Authority of Palm Beach County or any other government entity as opposed to a private citizen, on a first priority basis. The Solid Waste Authority of Palm Beach County expects to pay a fair and reasonable price not to exceed those quoted in this bid for all products in the event of a disaster, emergency or hurricane. Vendor/contractor shall furnish a 24-hour phone number in the event of such an emergency.

I hereby understand and agree to the above statement:

X



Signature

Steven Carl

Print Name

President

Print Title

EMERGENCY/24 HOUR PHONE NUMBER(S): 757-531-6602; 757-449-0078

Office Phone Number: 757-606-1840 Home Phone Number: 757-531-6602

Beeper/Cellular Number: 757-531-6602 FAX Number: 757-606-1853

Nearest Branch Office Phone Number: 757-606-1840

and Location: Portsmouth, VA

Other out of Area Branch Office Locations and Phone Numbers: NA



Sept 30, 2014

Mr. Phillip Ford
West Palm Beach, Solid Waste Authority
7501 Jog Road
West Palm Beach, Florida 33412

SUBJECT: Response to Bid. No. SWA 15-02/PF

Sir

Progressive Environmental Services LLC (PES) is pleased to submit a bid in response to the Invitation to Bid, Bid Number SWA 15-02/PF to the West Palm Beach Solid Waste Authority, West Palm Beach, Florida.

As you know from our prior experience working in your facility our Company has the resources, personnel, equipment, chemistry and experience to successfully provide the required services in your landfill.

Although the Contract allows for pass through of material costs PES maintains a watch across many area of the country to assure that the lowest costs are available to the SWA. The PBC-SWA can be assured that PES will work for their benefit.

We understand all of the Requirements and Responsibilities associated with executing the work in your Solicitation. We appreciate the opportunity to respond to your needs.

Sincerely,

S. Steven Carl
President

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f. Invitation To Bid, Chemical Cleaning of Sanitary Landfill Leachate Collection System; SWA 15-02/PF, with original signatures	
g. Addendum 1 SWA 15-02/PF, Chemical Cleaning of Sanitary Landfill Leachate Collection System, with original signatures	
h. Addendum 2 SWA 15-02/PF, Chemical Cleaning of Sanitary Landfill Leachate Collection System, with original signatures and completed Bid Proposal Form	

Corporate Summary

Progressive Environmental Services LLC (PES) provides quality, environmentally safe products and services designed to clean water systems and surfaces for industrial, municipal and military customers. Surfaces regularly exposed to water are subject to corrosion, scaling, mineral precipitation, and biological growth that accumulate as deposits in the system. These actions can result in significant buildup and deterioration on the surface of the piping in those affected systems causing increased operational problems and cost.

PES proprietary chemical products penetrate, disperse, dissolve and remove tuberculation nodules, scaling and corrosion by-products, biofilm and all other existing microbial activity, this results in a clean system surface. Systems will have the ability to return to the designed hydraulic parameters. In addition, removal of unwanted debris and scale is essential in implementing any successful treatment program to prevent corrosion, scale or biological activity in the future.

PES chemical products are formulated exclusively for removing scale and deposits while at the same time containing inhibitors to protect any associated base metallurgy from chemical attack. Our total commitment to quality products and service, leading edge technology, and work place safety leave no question that PES is totally capable and ready to perform the specified scope of work required at your facility to accomplish your cleaning goals on chemical, water or waste water systems.

The PES staff brings years of service cleaning and restoring pipes to like new performance. Our crews have worked in Sanitary Treatment Plants, Water Pollution Control Plants, High Tech Chemical Plants, Bioremediation Facilities and Landfill Collection Systems to name but a few. Customers have included the US Navy; the US Coast Guard; City of San Jose, California; Wheelabrator Division of Waste Management; Camp, Dresser & McKee (CDM); British Aerospace Engineering, Northrop Grumman and DuPont.

PES operates from a Corporate Office at 1121 High St., a major City intersection in the City of Portsmouth, VA, with 2,000 square feet of office space and 10,000 square feet of warehouse on approximately ½ acre that includes paved parking for 30 vehicles. In addition, PES has developed a plan and committed to open an office with full time personnel in South Florida if the Company is awarded this Contract.

With a banking Line of Credit of \$400,000 and a track record of profit and success PES has the financial resources and strength in addition to the people and experience to provide the required services.

We look forward to being able to provide the solution to your pipe restoration needs.

Qualifications

Minimum Qualifications – Relevant Experience, SWA TEC-2 &3

A. Cleaning Services

The Company and its personnel have been providing removal of bio-rock scale for more than 3 years. The detailed experience and list covering the last three years is provided below:

Project #1 FGS Hessen (Republic of Germany Frigate)
Location Norfolk Naval Operations Base, Norfolk, VA
Customer Marine Hydraulics International (MHI)
Joe Cartoski, Director of Commercial Services,
543 E. Indian River Rd.
Norfolk, VA 23523
(757) 545-6400, cell (757) 650-6400, joec@mhi-shiprepair.com
Bidder Office 1121 High St., Portsmouth, VA 23704
Role Subcontractor
Staff Gene Hairston, supervisor; Doemaine Deans, Chris James, James Key
Amounts Original: \$15,040; Final \$21,905
Scale Marine Growth including clams, mussels, barnacles and mineral growth
Year 2009
% Self Performed 100%

Description: PES was tasked to remove 3,000 gallons of liquid food waste and clean ships coolers and cooler system. The ship had significant blockage throughout the engine cooling system which was comprised of nine coolers approximately 12 feet high, 10 feet wide and 40 feet long and associated piping made of up of over 300 feet of 100mm, 150mm and 200mm steel and copper-nickel piping. Video inspection showed significant scale and growth inside the coolers. The job required confined space entry into the system, a complex cleaning operation due to a variety of scale contributors and mixed metallurgy in the system.

The system was connected from outside the ship through approximately 800 feet of 1-1/2 inch hose and a circulation loop was set up to circulate cleaning chemistry. The severe degree of the blockage required two complete solution batches of chemistry that were neutralized for disposal and flushing of the system. The cleaning was very successful allowing the system to return to design specifications and the ship to continue its mission.

Project #2 San Jose/Santa Clara Water Pollution Control Plant
Location San Jose, California
Customer City of San Jose California
Dr. Issayas Lemma
Water Pollution Control Plant
700 Los Esteros Rd.
San Jose, CA 95134
(408) 945-5325, issayas.lemma@sanjoseca.gov

Bidder Office 1121 High St., Portsmouth, VA 23704

Role Contractor

Staff Steven Carl, President-Project Manager; Todd Manzie, Shift 1 supervisor;
Travis Carl, Shift 2 supervisor; Chris James, Sam Moore, Charlie Wulff,
Tom Wulff, Brad Lewis, Dale Hall, Bob Porter.

Amounts Original \$119,700; Final \$119,700

Scale Struvite

Year 2010

% Self Performed: 100%

Description: Over 5,000 feet of 14" ductile iron pipe including multiple elbows and valves in the Digested Sludge Transfer system was cleaned of struvite scale. The system was operating through the 14" line and an emergency backup 12" line pumping 1,000 GPM at 95 PSI running on only one of three available pumps. The 95 PSI was the maximum allowed operating pressure of the system and was being reached with only one pump which was the minimum flow possible. PES set up two pumping systems about a mile apart with over 60,000 gallons of tank storage on each end and surged the cleaning chemistry from one end of the pipe to the other and back using 2,500 GPM pumps. Because the entire system had to be taken off line for the cleaning all of the work was required to be completed in 5 days. PES used two crews working 18 hours a day, a total of 10 personnel, to complete the cleaning and turn the system back over to the city after only 4 days. As a result of the cleaning the Plant was able to run all three of its pumping systems at over 3,500 GPM at 35PSI. (This project is being presented at a plenary session at the Water Environment Federation 84th Annual International Technical Exhibition and Conference in Los Angeles, California on October 17, 2011 by Steven Carl, President of PES and Dr. Issayas Lemma, Environmental Engineer for the City of San Jose; www.weftec.org) This job included Confined Space Entry for tanks and connection access holes.

Project #3 Landfill Leachate Collection System
Location West Palm Beach, Florida
Customer Solid Waste Authority of Palm Beach County
 Pat Byers/ Ron Schultz/Nathan Mayer
 7501 North Jog Rd.
 West Palm Beach, FL 33412
 (561) 640-4000, rschultz@swa.org ; pbyers@swa.org; nmayer@swa.org
Bidder Office 1121 High St., Portsmouth, VA 23704
Role Contractor
Staff Steven Carl, Project Coordinator; Travis Carl, Project Manager; Darin Moore, Supervisor; Doemaine Deans, David Barnes, Harold Scott.
Amounts Multiple Projects from \$35,000 to \$119,700; Final \$119,700
Scale Leachate mineral scale
Year 2011=2014
% Self Performed: 95%

CDM in West Palm Beach provided PES with drawings and background information on the Solid Waste Authority of Palm Beach County in West Palm Beach, Florida along with a request for information regarding chemical cleaning of piping systems. CDM reported that several of the pipes located in cell 8 were blocked with mineral buildup and the manifold system had scaling issues and remediation technologies were being evaluated. The system contained heavy buildup of scale in the header and approximately 40-47 feet into five laterals, 100 feet into one lateral with 3 laterals degraded to the level that blockage analysis was not possible. A chemical cleaning loop using two 5,000 gallon trailers, two pumps and a hose set up from each end of the cell connected to the center 30 foot deep drain manhole was put in place to circulate the header, surge the lateral systems and drain into the center manhole. Initially the job was for the header and known blockages only, once work began the SWA added work sufficient to clean the entire length of all of the laterals using the surging practice. Blockages were found in two places in the header on each side of the manhole connection. Solution was surged in the header system until the blockages were cleared and circulation of the header in a single loop and two half loops could be established. Chemistry was surged up into the lateral system requiring the management of approximately 10,000 gallons of total volume. Personnel managed the liquid to include foaming activity into the laterals to improve cleaning in the gravel pack surrounding the laterals. After the cleaning the Leak Detection System dropped to 0 and the collection system showed much improved flow. Later video inspection and water jetting showed all laterals opened significantly with much improved performance. This job included Competent Person work inside the 30 foot deep manhole.

List of jobs completed in the last three years.

Customer	Job
Advanced Cooling Systems	Chemical Cleaning Field Vegetable Cooler Trailers
Arizona Boiler Company	Chemical Cleaning Boiler cleaning inc Confined Space
CDM	Chemical Cleaning Landfill Leachate Collection System
CDM	Chemical Cleaning Landfill Leachate Collection System

Earl Industries	USS Independence	Confined Space Cleaning
City of San Jose	Chemical Cleaning	Digested Sludge Transfer Line
Desert Best	Chemical Cleaning	Dole Fruit Company Packing Whs
East Coast Repair	USNS Zeus	Confined Space Cleaning
Marine Hydraulics Int'l.	USS Carr	Confined Space Cleaning
	FGS Hessen	Chemical Cleaning
	FGS Hessen	Confined Space Cleaning & Disposal
	USS New York	Confined Space Cleaning
	USS New York	Hazardous Waste Disposal
	USS Bainbridge	Confined Space Cleaning
	USS James Williams	Habitability Clean up
	USS Arleigh Burke	Confined Space Cleaning
	USS Porter	Confined Space Cleaning
	USS Forest Sherman	Chemical Cleaning of Sewer
	USS Wasp	Confined Space Cleaning
	USS New York	Confined Space Cleaning
	USS Cole	Confined Space Cleaning
PBC-SWA	Chemical Cleaning	Leachate Collection System
	PES was the Holder of Contract SWA 12-04/PF	
Thermcorp	YRB	Habitability Clean up
Wakelight Technologies	USS Hurricane	Chemical Cleaning
	USS Hurricane	Confined Space Cleaning
Western Precooling	Chemical Cleaning	Field Vegetable Cooler Trailers

B. Confined Space Services:

- a. PES will use its own Certified Personnel (see Attachments)
PES owns its own RKI Air Test equipment, Harnesses and Self Contained Breathing Apparatus. Tripods or other required equipment will be rented from Hertz, RSC or United Rentals depending on the needs of the job
- b. If required PES will use DS Eakins Construction who already has a pricing agreement with the SWA or Onsite Electrical Services who worked with PES previously at the SWA. Individual CP Certificates will be provided to SWA whenever either of these subcontractors are utilized prior to starting any work.

RELEVANT PROJECT EXPERIENCE

Dec. 2010 and Feb. 2011 CDM/Wheelabrator/Waste Management

PES cleaned approximately 3,000 feet of 6 inch HDPE laterals and header of a Leachate Collection System at their South Broward County facility. This work was performed using one circulation setup. This job also tested the use of water jetting in combination with chemical cleaning with PES working with Florida Jet Clean. The process used is the same as Project #3 above and the contact reference is Rick Mulhorn, (954) 214-2696

May-June 2011 CDM/Wheelevator/Waste Management

PES Cleaned approximately 2,000 feet of hdpe header and 3,600 feet of hdpe laterals. There were three loop setups and three direct connections to laterals. Loops were circulated for the headers and surged to clean laterals connected with the loops. Laterals directly connected were surged and pressed overnight. Combination Jet Cleaning and Chemical cleaning was also advanced to address plugs in specific areas. The contact reference is the same as the first Relevant Project and Nathan Mayer of CDM, (561) 689-333

***NOTE:** Both of the jobs at the South Broward Plant required manhole Confined Space Entry and work in two 30+ feet deep pumping stations.

June 2011 Solid Waste Authority of Palm Beach County

This is the same project as is listed as Project number 3 in the Minimum Qualifications, Cleaning Services above.

PROPOSED TECHNOLOGY

EQUIPMENT: Equipment used for the cleaning will be tanks sufficient to contain the entire volume of the solution that is used for cleaning. It is anticipated that this will be similar to previous work for the SWA and will be two 4-5000 gallon tanks with spill berms, two 2 inch diaphragm pumps and sufficient 1 ½ inch and 2 inch chemical hose (usually 800-2,000 feet) to complete a loop of individual cells and/or the distance between manholes.

In Summary:

1. Work trailer for transporting and repair of all equipment
 - Owned now by PES
2. Two tanks, one on each end, sufficient to contain the complete volume of cleaning solution should a leak occur.
 - Rented from Baker Tank, Rain For Rent or cheaper source
3. Spill berms for each tank sufficient to contain the volume in the tank.
 - Rented from Baker Tank, Rain For Rent or cheaper source
4. Sufficient 1 ½ and 2 inch hose to complete loops and lateral connections, usually 800 to 2,000 feet.
 - Owned now by PES
5. Fittings for plugging manhole inlets that include hose connections. Connections for header cleanouts and laterals.
 - Owned now by PES

6. 2 inch air diaphragm pumps, three that are chemical resistant and two that are standard for water transfers.

- Owned now by PES

7. Connections for laterals to release air pressure and divert cleaning solution to a containment that can be returned to the cleaning tanks.

- Owned now by PES

8. Tools and supplies in the Work Trailer to manage spills, hose repairs and fitting repairs.

Owned now by PES

9. Minimum 65 CFM Air Compressors to run the pumps

Rented from Hertz, RSC, United or cheaper source

Personnel are safety trained in the use of each of the chemicals onsite. Employees receive orientation training and review of the MSDS sheets in the use, handling and effects of the chemicals. Daily safety updates at the beginning of each day review this information before work starts. PES has several employees that are Competent Person Certified for Confined Space Entry. At least one of the people will be onsite at all times. PES also trains persons in industrial operations environment and safety through the Virginia Ship Repair Association. In addition, PES teams are led by managers with several years of experience in chemical cleaning.

The process will be managed to complete a circulation loop between manholes and/or within the header systems of each cell. It is believed that foam generated by the chemical reaction can be used to increase the efficacy of the cleaning process. Defoamer will be kept on site to control foam in tanks or in manholes during disposal.

CHEMISTRY

PES has developed proprietary low pH cleaning chemicals and cleaning processes that rapidly dissolve and loosen tuberculation, scale and encrustation from any type of water system, without attacking the base metal. Metal surfaces, seals and gasket materials are unaffected by contact with the Pipe Renew solution. Our Product is environmentally safe and when neutralized, our solution is approved for disposal in most municipal sewer systems.

Since PIPE- RENEW is a PES formulation, we can provide some of the families of chemicals from which they come (see Material Safety Data Sheets for properties and handling). The cleaning solution can be generically described as a blend of:

Muriatic Acid (32.45% HCL)

An organic carboxylic acid

An alkanolamine

A sodium alkylsulfonate

Catalysts
Inhibitors

The acid provides dissolving characteristics, while the PES proprietary compounds provide inhibiting, penetrating, dispersing, and additional dissolving functions. The neutralization of excess HCL is accomplished by addition of aqueous sodium hydroxide: $\text{HCl} + \text{NaOH} \rightarrow \text{NaCl} + \text{H}_2\text{O}$ (salt water) or Sodium Bicarbonate $\text{HCl} + \text{Na}(\text{CO}_3)_2 \rightarrow \text{NaCl} + \text{H}_2\text{O} + \text{CO}_2$ (salt water and carbon dioxide) This leaves a neutral solution of mineral salts and water, typically suitable for sanitary sewer discharge (depending on metal content of the dissolved scale).

By category, mineral acids are generally considered corrosive. The EPA includes corrosive materials under their hazardous materials definition. Muriatic acid, as a component of PIPE-RENEW, retains its classification as a mineral acid and therefore, by that standard would also be considered hazardous, as would all mineral acids, including phosphoric, sulfamic and sulfuric. However, our cleaning solution is dilute (3-5% HCl by volume) and tremendously inhibited, thus reducing corrosive attack to below (field) MEASURABLE LIMITS. Products of our scale removing process, as indicated above, are calcium or sodium chloride (a salt), carbon dioxide, and water, all of which are non-toxic, and not hazardous to personnel. Once the cleaning solution is neutralized (pH returned to 2.0 –8.5), no corrosive ingredients (HCl) remain.

To be sure, Hydrochloric Acid is strongly corrosive. However, the organically inhibited and dilute PIPE-RENEW (which is the compound blended with Muriatic Acid) is demonstrated to have no field measurable effect on specified base metal compounds. As evidenced by independent lab results, actual effect on pipe and pipe components per application is negligible (metal lose in millionths of an inch), even during the worst case exposure scenario.

PIPE-RENEW is safe for use even in older systems (provided the system does not leak at the start of the pipe cleaning process). Gasket materials are also proven to be unaffected by the cleaning solution. Our products are fast acting, yet totally non-harmful to pipe or pipe components.

PIPE-RENEW, as well as many other of PES products are environmentally safe. The formulas have been CERTIFIED BIODEGRADABLE by Scientific Certification Systems (SCS) and carry the GREEN CROSS certification label. The PIPE-RENEW formulas have also been tested and certified to ANSI/NSF Standard 60 for use in potable water systems. ANSI/NSF Standard 60 was developed to establish minimum requirements for the control of potential adverse human health effects from products added directly to drinking water for its treatment.

With recirculation established, the cleaning/surging is initiated and the solution is monitored for acidity content, a rise in pH, a rise in dissolved minerals, and flow increase. When these parameters reach a steady state, the cleaning is completed. We may neutralize the solution to a nonhazardous pH 2.0 to 6.5 and recirculate the

neutralized solution to help remove excess acid from the system if that is a customer requirement. The system is flushed and the spent solution may be disposed.

Disposal of spent solution is per customer directions that conform to local, state and federal regulations. In the case of SWA the plan is to release the spent solution into the collection system for disposal.

Chemical Cleaning of the piping system will allow you to:

1. Increase system hydraulic performance.
2. Provide improved water collection
3. Lower maintenance costs
4. Increase system efficiency

PES has also developed an exclusive Agreement with Florida Jet Clean to provide unique services combining chemical cleaning with water jetting. This proprietary process was jointly developed by PES and FJC for use on Landfill Leachate Systems.

Safety

All work performed by PES will be accomplished in accordance with OSHA, DOT, HAZMAT, AND EPA requirements, procedures and approved standards. All PES field personnel undergo training on all aspects of our field activities. Specific project site related safety issues may include.

1. Safety Showers
2. Eyewash Stations
3. Fire Extinguishers
4. Personal Protective Equipment
5. Electrical Connections, Wires
6. Spill Containment Safety
7. Forklift Training
8. Disposal Methods
9. Gas Cylinders/Leaks
10. MRU Safety Precautions/Equipment/Emergency
11. Emergency Procedures
12. OSHA Right- To-Know Laws
13. MSDS Sheets
14. Smoking Policy
15. General Plant Safety
16. Fall Protection/Ladder Safety
17. Hazard Communications
18. Lockout/Tag-out
19. Confined Space Entry
20. Competent Persons Training

Example Work Schedule Addendum
(Scenario No. 1 on BFM-2)

- I. **Proposed Work Schedule: The Proposal Total is based on one week onsite to provide the chemical cleaning and follow up work.**

Sunday: Project Supervisor Arrives to meet Monday morning mobilization needs.

Monday: Crew Arrives, Equipment arrives, Chemicals arrive
Meeting with all parties to organize work for the week.
Equipment setup begins
Everything in place for Tuesday startup.

Tuesday: Tanks are filled with water
Chemical Level I is loaded into tanks.
Pre Cleaning video is taken (if required)
Begin surging pumps
Evaluate return for foam, flow rate, and pH. Foam cleaning decision continue or defoam for fluid circulation.
Determine final chemical solution and continue surging. Press system full and secure for the night.

Wednesday: Continue circulation of piping and evaluation. May circulate flush water to get interim video inspections and/or try combinations with water jetter.

Thursday: Finalize cleaning circulation. Return cleaning solution to tanks for neutralization steps and preparation for disposal.

Friday: Finalize disposal and breakdown for demobilization. Begin Shipping

Saturday: Crew departs home. Supervisor finalizes site clean-up and demobilization.



City of Portsmouth
Franklin D. Edmondson
 Commissioner of the Revenue
 801 Crawford Street, Portsmouth, Virginia 23704
 (757) 393-8714
BUSINESS LICENSE

PLEASE POST
 FOR PUBLIC
 VIEW

PROGRESSIVE ENVIRONMENTAL SERVICES, LLC
 PROGRESSIVE ENVIRONMENTAL SERVICES, LLC
 P.O. BOX 477
 PORTSMOUTH, VA 23705

(757) 531-6602
 (757) 449-0078
 1121 HIGH ST

PERIOD BEGINNING	PERIOD ENDING	DATE BUSINESS BEGAN	LICENSE NUMBER
01/01/2014	12/31/2014	08/03/2009	36804
CATEGORY	DESCRIPTION		
65218	TANK CLEANING SERVICE \$50 less than \$100,000/\$0.36 per \$100		
		097445	08/07/14
		45	100-411203
		3419.32	08/07/14

IMPORTANT: LICENSE NOT VALID UNTIL STAMPED PAID BY TREASURER OF THE CITY OF PORTSMOUTH

I do find the foregoing application in due form. Therefore, Licenses are this day severally granted the applicant named in the application to prosecute the businesses, employments or professions covered by the application as indicated hereon, at the definite house or place in my city described in the application.

Franklin D. Edmondson
 Commissioner of the Revenue

ART1057A (FORM ST-4) 6210098 (REV. 02/08)



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TAXATION
CERTIFICATE OF REGISTRATION FOR THE COLLECTION OF
Virginia Sales and Use Tax

NAME AND ADDRESS	LOCATION		
Progressive Environmental Services LLC 1420 COLUMBUS AVE PORTSMOUTH, VA 23704-3920	Portsmouth - 51740		
	BEGINNING LIABILITY DATE		
	JUL 01 2010		
	DATE ISSUED		
	MONTH	DAY	YEAR
	06	23	2010

THE NAMED DEALER IS HEREBY AUTHORIZED AND EMPOWERED TO COLLECT
Sales and Use TAX FOR THE COMMONWEALTH OF VIRGINIA

TAX COMMISSIONER

THIS CERTIFICATE OF REGISTRATION IS NOT ASSIGNABLE AND IS VALID ONLY FOR THE DEALER NAMED, AND FOR THE TRANSACTION OF BUSINESS ONLY AT THE ADDRESS LISTED. IT SHALL BE AT ALL TIMES CONSPICUOUSLY DISPLAYED AT THE ADDRESS LISTED.