City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Solid Waste Division
1031 Superior Street
Jacksonville, FL 32254
(904) 255-7500
www.coj.net

ONE CITY. ONE JACKSONVILLE.

04/11/19 14:53:27
Procurement Division

TO: **Greg Pease, Chief, Procurement Division**

THRU: **John Pappas, P.E., Director, Department of Public Works**

FROM: **Jeffrey S. Foster, P.G., Solid Waste Environmental Engineer Manager**
Bill Joyce, P.E., Acting Chief, Engineering and Construction Management Division

DATE: **April 04, 2019**

SUBJECT: **P-02-17 Contamination Assessment & Remediation Services For State of Florida Funded Petroleum Impacted Sites**

The Engineering Division has negotiated with the consultant selected for Contamination Assessment & Remediation Services for State of Florida Funded Petroleum Impacted Sites, resulting in the Schedule of Pay Items, Scope & Definitions, Exhibit A and Contract Fee Schedule, Exhibit B, attached. MBE firms to be utilized to meet the Participation Percentage Plan for this contract are detailed on a separate attachment.

Accordingly, this is to recommend that the City of Jacksonville enter into a contract with Wood Environment & Infrastructure Solutions, Inc. for Contamination Assessment & Remediation Services for State of Florida Funded Petroleum Impacted Sites, that includes the attached Scope of Services identified as Exhibit "A" and Fee Schedule identified as Exhibit "B". Each project performed under this agreement shall be authorized by an individual Purchase Order with a not-to-exceed cost applicable thereto. The maximum indebtedness of the City pursuant to this agreement is $600,000.00. The initial Period of Service will be for Three (3) years with the option to extend such contract for two (2) additional one (1) year periods upon satisfactory performance by the Consultant. Initial contract will begin upon contract execution with the expiration date for the base contract period set for three (3) years after the date of contract execution. All other terms and conditions of the Contract shall be as provided in the Request for Proposals and the Department of Public Works Prototype Agreement for professional services, as applicable.

JSF/jsf

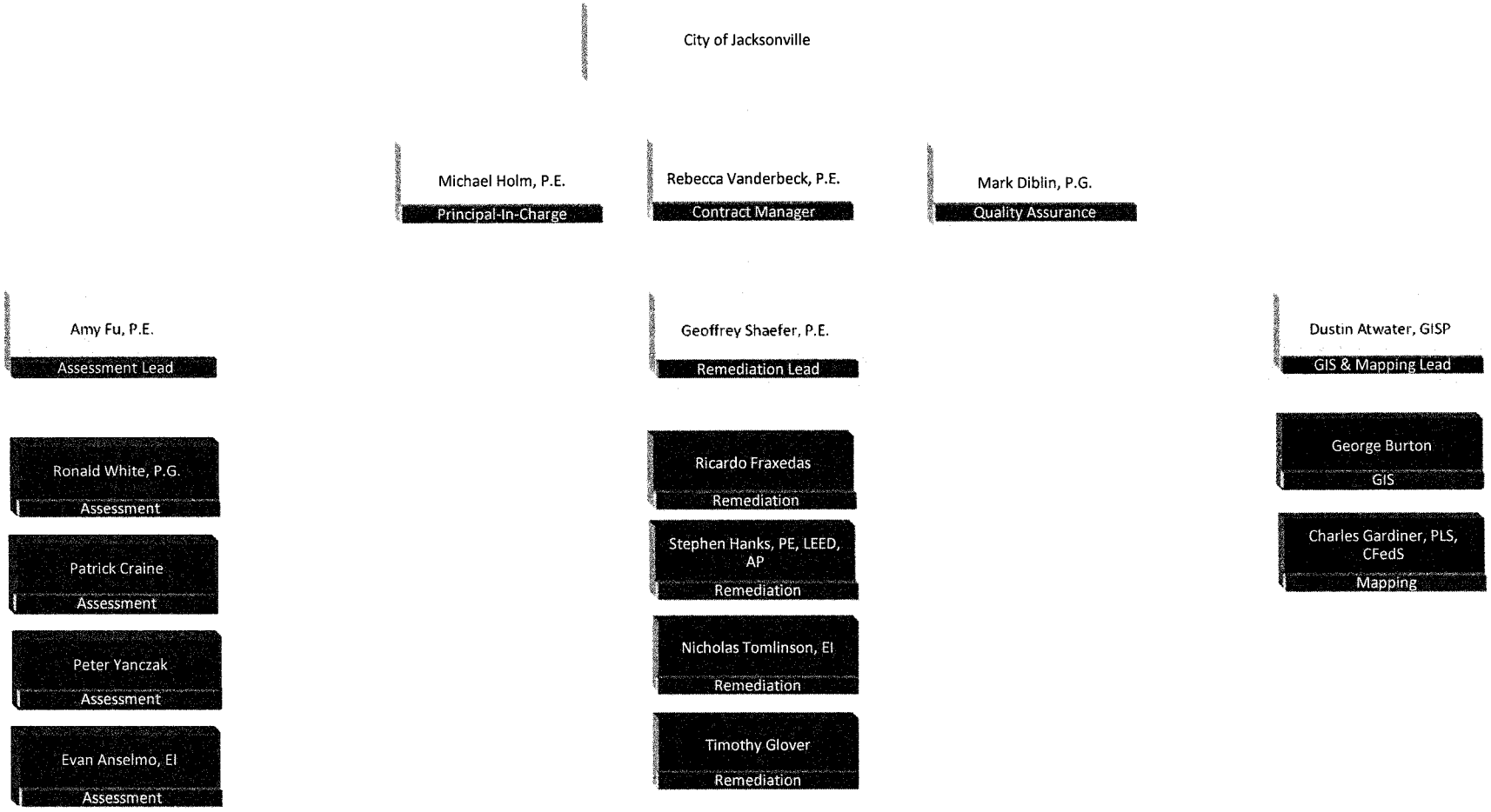
Attachments: Exhibits A & B

MBE Participation

cc: Lori A. West, Engineering Contract Specialist

ab

CONTAMINATION ASSESSMENT & REMEDIATION SERVICES
CITY OF JACKSONVILLE



Wood Environment & Infrastructure Solutions, Inc.
6256 Greenland Road
Jacksonville, Florida 32258
Phone: 904.396.5173
www.woodplc.com

March 27, 2019

Mr. Jeff Foster
City of Jacksonville
Solid Waste Division
1031 Superior Street
Jacksonville, FL 32202

Subject: **Contamination Assessment & Remediation Services (RFP No.: P-02-17)**

Dear Mr. Foster:

Recently you requested that we advise of any changes to our organizational structure from the original proposal submitted in response to the City's 2017 Request for Proposals for Contamination Assessment and Remediation Services (P-02-17). Though our structure remains intact, we have changed two of the proposed staffing which we believe is an upgrade in the qualifications for these two important positions.

- **Project/Contract Manager** – Our original proposal included Mr. Jason Goldstein as the Contract Manager, now we are pleased to offer Ms. Rebecca Vanderbeck, P.E. as a suitable replacement. Ms. Vanderbeck was represented in our original proposal within the Remediation Services specialty, and her resume was included within our original response. As a registered professional engineer with substantial environmental experience, we believe she will be able to provide substantial support in helping the City achieve its goals.
- **Assessment Services Lead** – Previously, we offered the services of Mr. Eric Arenberg, P.G. to serve this role but are pleased to offer Ms. Amy Fu, P.E. who has substantial FDEP relevant experience. Dr. Fu's resume was not included in the original response to the city's RFP, so we have attached a summarized version with this letter for your review.
- **Summary** – We have also included an updated organizational chart for your use. In the event you find any need to increase our staffing, we are pleased to supplement as necessary from our available 400 professional staff in Florida or even further as the needs of the city determine.

As the seventh largest design firm in the world, we are confident in our ability to bring the necessary skills and talents to serve the City of Jacksonville, as we have locally since 1957.

Sincerely,

Wood Environment & Infrastructure, Inc.

Rebecca Vanderbeck

Rebecca Vanderbeck, PE
Project Manager
Primary Project Liaison
Phone: (904)391-3760
rebecca.vanderbeck@woodplc.com

Michael Holm, PE
Principal, Operations Manager
Alternate Project Liaison
Phone: (904)391-3762
michael.holm@woodplc.com

'Wood' is a trading name for John Wood Group PLC and its subsidiaries

wood.

Amy Fu, PE

Senior Environmental Engineer

Ms. Fu is a licensed Professional Engineer with 19+ years of environmental engineering experience. Her project experience includes contamination assessment and remediation of petroleum, chlorinated solvent, metals, and polychlorinated biphenyls (PCB) impacted soil and groundwater, environmental due diligence, permitting, compliance, and groundwater modeling. She served as lead engineer/project manager for 100+ remediation projects utilizing air sparging, biosparging, soil vapor extraction (SVE), multiphase extraction (MPE), thermal subsurface heating, chemical oxidation, bio-stimulation injection, soil excavation, site capping, and pump & treat, etc.

Years of Experience
19

Registrations/Certifications/Licenses
- Professional Engineer, Florida No. 63520
- Professional Engineer, licensed in GA, NC, SC, PA, VA, MD
- FDOT Advanced Maintenance of Traffic Certification
- OSHA 40 Hours Certification
- OSHA 8 Hours HAZWOPER Refresher
- NCCER's Construction Site Safety Orientation
- JEA Supervisor Safety Leadership

Education
- Master of Science, Chemistry, University of Notre Dame, 1999
- Master of Science, Chemistry, Xiamen University, 1995
- Bachelor, Chemical Engineering, Tsinghua University, 1992

Professional Associations
- Florida Engineering Society
- Florida Association of Environmental Professionals

Contract Manager and Chief Environmental Engineer: 100+FDEP Petroleum Restoration Program (PRP) Sites. Day-to-day contract management and project oversight of FDEP PRP program sites across the state of Florida. Directed site cleanup activities including site assessment, remediation, natural attenuation monitoring, and site closure with/without conditions. Also worked with FDEP and local programs to assure project performance meeting contract required quality, cost, and schedule.

Lead Engineer and Project Manager: JEA Pearl Street, Jacksonville, Florida. Responsible for the development and implementation of a site-wide Feasibility Study, Interim Remedial Action Plan (IRAP) for Light Non-aqueous Phase Liquids (LNAPL) source removal, IRAP for Dense Non-aqueous Phase Liquid (DNAPL) source removal using in situ thermal (IST) heating, SVE, and MPE technologies, Soil RAP consisting of source removal and capping to address site-wide soil impacts, a bio-stimulation groundwater pilot study to compare the using EOS® and potassium lactate and denatured ethanol, and a bench scale arsenic treatability study using EHC® to treat site-wide petroleum, chlorinated solvent, PCBs, arsenic/lead impacted soil and groundwater. The various remedial actions implemented proved to be successful in addressing the environmental conditions at the site. The site is currently under groundwater monitoring.

Chief Environmental Engineer and Project Manager: Bellingham Marine, Jacksonville, Florida. To achieve site closure and manage risks, Fu assisted the client to enter the site into the Florida Brownfields Program and negotiated scope of work with the City of Jacksonville and Florida Department of Environmental Protection for the site to meet No Further Action with Conditions according to Chapter 62-780, Florida Administrative Code. In addition, Fu was in charge of environmental work including the Phase I Environmental Site Assessment, Underground Storage Tank Closure, supplemental site assessment, limited scope source removal, and four quarters of natural attenuation monitoring. Fu also provided regular project updates, budget projections, and cost benefit analysis for the client and worked closely with the client designated environmental attorney. The site is expected to be closed in 2019.

"EXHIBIT A"
SCOPE OF SERVICES

DEP Agency Term Contract No. GC788

AGENCY TERM CONTRACT

THIS agreement is entered into between the FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION ("**Department**") and AMEC ENVIRONMENT & INFRASTRUCTURE, INC. ("**Contractor**"), to provide petroleum contamination site response action services (this "Contract") for the North Region.

A.

Contractor	**Department**
AMEC Environment & Infrastructure, Inc.	Department of Environmental Protection
2533 Greer Road, Suite 6	Petroleum Restoration Program
Tallahassee, Florida 32308	2600 Blair Stone Road, MS#4525
Attn: Eric Blomberg, Contract Manager	Tallahassee, Florida 32399-2400
850-656-1293	Attn: Martin Ehlen, Contract Manager
eric.blomberg@amec.com	850-245-7614
	Martin.Ehlen@dep.state.fl.us

B. Subcontractors identified for use under this Contract: Accutest Laboratories; Advanced Environmental Laboratories, Inc.; Big Bend Environmental Services, Inc.; Cascade Drilling, L.P.; Custom Drilling Services, Inc.; Engineered Environmental Solutions, Inc.; ESD Waste2Water, Inc.; Groundwater Protection; Ground/Water Treatment & Technology, Inc.; Huss Drilling; KB Labs, Inc.; newterra; Preferred Drilling Solutions, Inc.; Probe Domain, Inc.; Redox Tech, LLC; Vironex, Inc.; Zebra Environmental Corp.; Petroleum Resources & Development, Inc.; Ecoflo, Inc.; Horizon Env. Services, LLC; and Remediation Equipment Services, LLC; TestAmerica, Inc.; Environmental Conservation Laboratories, Inc.; Betts Environmental Recovery, Inc.; Moran Environmental Recovery, LLC; Singley Construction Company, Inc.; EN Rx, Inc.; and IntraNet Lab Services, LLLP.

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed, the day and year last written below.

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

By: Mark C. Diblin (Mark C. Diblin)
Title: Vice President

Date: 2/18/14

FEID No. 91-1641772

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

By: _____
Secretary or designee for the Florida Department of Environmental Protection

Date: _____

_____
DEP Contracts Administrator

Approved as to form and legality:

_____
DEP Attorney

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IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed, the day and year last written below.

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

By:_____
Title:

Date:_____

FEID No. 91-1641772

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

By:_____
Secretary or designee for the Florida Department of Environmental Protection

Date: 2/17/14

Ruth Hogg
DEP Contracts Administrator

Approved as to form and legality:

DEP Attorney

In consideration of the mutual benefits to be derived herefrom, Department and Contractor do hereby agree as follows:

1. **Services.** Department does hereby retain Contractor to provide petroleum contamination site response action services (**Services**) in accordance with the procedures outlined below and, as defined herein. The services are described in DEP Solicitation No. 2014004C (**Solicitation**) and Contractor's response thereto (**Response**) (the terms of both of which are incorporated herein by reference), and in accordance with Attachment A, Scope of Services (**Scope**), attached hereto and made a part hereof. The terms and conditions set out in the paragraphs below shall take precedence and will control over any terms contained in the Solicitation or Response which are in conflict with or in variance hereto. This Contract shall be subject to applicable procedures, laws, rules and DEP guidance – including but not limited to those listed in Appendix I of the Solicitation, the provisions of which are incorporated herein by reference (**Constraints**). Contractor acknowledges and accepts that the Constraints are subject to periodic revision. This Contract is subject to all revised Constraints without the need for written amendment. Contractor agrees to provide the described services for Department upon the terms and conditions set forth in this Contract and all exhibits and Attachments named herein which are attached hereto and incorporated by reference.

2. **Work Assignment.**

   A. Department shall assign and authorize all Services to Contractor under this Contract through one of the following methods (**Work Assignments**):

      i. Both Department and Contractor may execute a Task Assignment Notification Form ("Assignment Form") or Task Assignment Change Order Form ("Change Order Form") (copies attached hereto and made a part hereof as Attachments B and C, respectively); or

      ii. issuance of a MyFloridaMarketPlace (MFMP) purchase order ("PO").

      Contractor and its subcontractors **shall not commence any Work Assignment** until either 1) an Assignment Form/Change Order Form has been fully executed by both Department and Contractor, or 2) an MFMP PO has been issued.

   B. Department shall follow the process outlined in the current version of the Relative Capacity Index (RCI) for direct assignments of Services under this Contract. The current RCI is available at http://www.dep.state.fl.us/waste/categories/pcp/pages/selection_RCI.htm. Department may revise the RCI at any time upon not less than five (5) business notice. Notice shall be posted on the Petroleum Restoration Program website. For good cause, Department may assign Services to an ATC contractor outside its contract region. Rates for all direct assignments shall be at or below Contractor's rates, provided as Attachment D (Rate Schedule).

   C. Contractor shall also be assigned work as specified in 62-772.401, F.A.C.

   D. In the event services are required that are not specifically set out in Attachment A, but are within the Scope, Department and Contractor may negotiate Work Assignments covering the required services and establishing applicable rate(s) for compensation.

   E. **THERE IS NO MINIMUM AMOUNT OF WORK GUARANTEED AS A RESULT OF THIS CONTRACT.** Any and all Work Assignments will be at the sole discretion of Department. Department reserves the right to assign different phases of Services on a specific site to different contractors.

   F. Notwithstanding any other provisions of this Contract, Contractor may, at its sole discretion, elect not to accept or compete for a proposed Work Assignment. Such election shall not preclude Contractor from

participating in other Work Assignments as Department may request. Contractor shall notify Department orally, within three (3) business days of receipt of an Assignment Form or PO, of Contractor's decision not to perform or participate, which notification shall be memorialized in writing by Contractor within five (5) business days thereafter to Department's Contract Manager.

G. Department shall not authorize any Work Assignment, and may suspend or terminate for cause any work assigned to Contractor, if and in the event that Department and Contractor (or any of its affiliates or authorized subcontractors) are adverse in any litigation, administrative proceeding or alternative dispute resolution, until such adverse relationship is resolved either by agreement or by final non-appealable order of a court.

3. **Standard of Care for Performance.**

A. Contractor represents that its Services shall be performed in a manner consistent with that level of care and skill ordinarily exercised by other professionals under similar circumstances at the time the Services are performed.

B Contractor shall perform as an independent contractor and not as an agent, representative, or employee of Department.

C. Contractor shall perform the Services in a proper and satisfactory manner as determined by Department. Any and all such equipment, products or materials necessary to perform these Services, or requirements as further stated herein, shall be supplied by Contractor.

D. Contractor is responsible for the professional quality, technical accuracy, timely completion and coordination of all designs, drawings, specifications, reports and other services furnished by Contractor under this Contract. Contractor shall, without additional compensation, correct or revise any errors, omissions or other deficiencies in its designs, drawings, reports and other services.

E. Contractor shall provide competent, suitably qualified personnel. Contractor shall notify Department's Contract Manager of any changes in the Key Personnel identified in Contractor's Response. Such notification shall include Contractor's reason(s) for change in personnel and Contractor's documentation that its proposed replacement Key Personnel have qualifications and experience equal to or greater than that of those no longer part of Contractor's team.

4. **Term of Contract.**

A. Initial Term. This Contract shall begin upon execution by both parties and shall authorize issuance of Work Assignments by Department to Contractor for five (5) years from the date of execution, inclusive. No Work Assignments shall be issued after the initial five (5) year period. However, the completion date of the Contract shall be determined by the latest completion date of any Work Assignment authorized during the five year term above.

B. Renewal term. This Contract may be renewed on the same terms and conditions for a period no greater than five years. All renewals are contingent upon satisfactory performance by Contractor.

5. **Compensation.**

A. Department shall pay Contractor on a combination fee schedule, fixed price, and cost reimbursement basis as specified in each Assignment Form, Change Order Form or PO. Payment shall be authorized by and for each Assignment Form, Change Order Form or PO. **Contractor shall not be compensated for Services performed prior to authorization, or for Services that exceed the funding amount issued for each Assignment Form, Change Order Form or PO.**

B. Department reserves the right to award some of the Services on a "pay for performance" basis. A Pay for Performance Cleanup (PFP) is one in which payments are made to Contractor based upon a negotiated schedule of cleanup progress. A PFP will require negotiations between Department and Contractor to develop goals, target levels, milestones, payment structure and any additional terms and conditions under which the PFP will be performed. For those Work Assignments issued as PFP assignments, Contractor acknowledges that such work shall be subject to the terms and conditions set forth in either the executed Assignment Form or the PO. Terms and conditions of the PFP Work Assignment which conflict with those contained in this Contract shall have precedence and control.

6. **Annual Appropriation.** Department's performance and obligation to pay under this Contract is contingent upon an annual appropriation by the Legislature. Authorization for continuation and completion of Work Assignments and payment associated therewith may be suspended, rescinded and/or terminated at the discretion of Department, if Legislative appropriations are reduced, restricted or eliminated. In such event, Department shall provide notice pursuant to the suspension or termination provisions contained herein.

7. **Payment Method.**

A. Contractor shall submit invoices as specified in each executed Assignment Form/Change Order Form/PO. Each invoice shall be itemized in accordance with the authorized budget categories listed below and in Attachment D, attached hereto and made a part hereof, or shall be accompanied by an executed copy of the Task Assignment Notification Form/Task Assignment Change Order Form evidencing a fixed price. Contractor shall complete and submit Attachment E, Subcontractor Utilization Report Form (**Subcontractor Report**) with each invoice. Failure to provide Subcontractor Report with an invoice shall result in a delay in processing the invoice for payment. All invoices must be submitted in detail sufficient for a proper pre-audit and post-audit review thereof, using the Invoice Form provided in the Assignment Form or PO.

B. Review for approval of the final deliverable(s) will be completed within thirty (30) days of receipt of final invoice and forms. However, Department reserves the right to specify a higher number of days for specific Work Assignments. Contractor's request for payment of retainage will be included on the final invoice for each task assignment or PO. Contractor will submit the final invoice for each task assignment or PO after approval of the final deliverable(s).

C. Each invoice, including appropriate supporting documentation as required below, shall be submitted to the following address:

Florida Department of Environmental Protection
Petroleum Restoration Program
Attn: PRP Accounting, MS#4575
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Email address: prp_acctinginvoices@dep.state.fl.us

D. Contractor shall submit invoices to Department within thirty (30) days after the date of Department's written approval of each interim deliverable or the final deliverable specified in each Work Assignment. Contractor's failure to submit interim invoices within this timeframe may result in **forfeiture** of retainage and its failure to submit the final invoice within the timeframe may result in automatic cancellation, termination or suspension of the Work Assignment and Contractor's **forfeiture** of any unpaid balance for such deliverables.

8. **Invoicing Requirements.** The State of Florida (**State**) Chief Financial Officer requires detailed supporting documentation of all costs under a cost reimbursement contract. In accordance with the Contract Payment

Requirements, (attached hereto and made a part hereof as Attachment F), Contractor shall comply with the minimum requirements set forth therein. Invoices shall be accompanied by supporting documentation and other requirements as follows:

A. Contractual (Subcontractors) - Reimbursement requests for payments to subcontractors associated with activities not included in Attachment D, must be substantiated by copies of invoices with backup documentation identical to that required from Contractor. Invoices for reimbursement of fixed price subcontracts approved by Department shall be documented by copies of the paid invoices.

B. Travel - Travel expenses associated with the pay item schedule shall be paid using per diem, prorated in quarter day increments (6 hrs.) within each 24 hour day under travel status in accordance with Section 112.061, Florida Statutes. However, in cases involving Contractor travel for specific meetings or legal proceedings required by Department, hotel and subsistence (meals) may be paid in accordance with section 112.061, F.S., rather than per diem.

C. Equipment - (Capital outlay $1,000 or more in value) – Capital equipment purchased under this Contract shall be limited to replacement parts for pre-existing State-owned equipment (when determined to be cost effective), and must be pre-approved in writing by Department, and shall remain the property of Department upon completion of this project. The use of remediation system equipment provided under the Contract shall be at the unit costs for time as identified in Attachment D. Reimbursement for the purchase of non-expendable equipment costing $1,000 or more is not authorized under this Contract. However, Department may authorize the purchase of capital equipment through amendment of this Contract.

D. Rental/Lease of Equipment – Equipment usage rental rates apply to use in the field only and not transportation time. The rental rates charged for equipment usage shall be invoiced to Department in the most favorable terms (i.e., the sum of the hourly rental rate for a given day shall not exceed the daily rental rate; the sum of the daily rental rate for up to a seven (7) day period shall not exceed the weekly rental rate; the sum of the weekly rental rate for up to a four (4) week period shall not exceed the monthly rental rate) as specified in Attachment D. Include copies of invoices or receipts to document charges.

E. Handling Fee – No markups or handling fees will be allowed on subcontracted work or purchased capital equipment, though subcontractors may be used to provide or perform the scope of work identified in the Attachment D if identified and approved by Department.

F. Laboratory Analyses – Maximum analytical turnaround time shall be three (3) weeks. The cost for performing sample analyses shall be charged in accordance with the rates contained in Attachment D. Blanks and duplicates shall be run as required but not invoiced to Department.

G. Drilling - All rates for mud rotary and hollow stem auger drilling shall be charged in accordance with the rates contained in Attachment D.

H Health and Safety – Health and safety equipment and supplies for in-field personnel protection shall be charged in accordance with the rates contained in Attachment D, and treated as equipment identified in paragraph C above.

I. Recovered Products –Contractor shall actively seek vendors to market petroleum by-products recovered from petroleum contamination sites. The proceeds from the sale of petroleum and petroleum products recovered during the remediation of a petroleum contamination site shall be credited to Department, offset against Contractor's receivables, and supported by appropriate receipts.

J. Retainage

i. Department reserves the right to establish the amount and application of retainage on a Work Assignment basis to a maximum of 25%. Retainage shall be withheld from each payment to Contractor pending satisfactory completion of a Work Assignment and approval of all deliverables.

ii. Department reserves the right to withhold payment of retainage for Contractor's failure to respond to or correct identified deficiencies within the timeframe stipulated in the task assignment. Department shall provide written notification to Contractor of identified deficiencies and Department's intent to withhold retainage on the task assignment. Contractor's failure to rectify the identified deficiency within the timeframe stated in Department's notice will result in **forfeiture** of retainage by Contractor.

iii. If Contractor fails to perform the requested scope of work, or fails to perform the work in a satisfactory manner, Contractor shall **forfeit** its right to payment for the work and the retainage called for under the entire Work Assignment. Failure to perform includes, but is not limited to, failure to submit the required deliverables or failure to provide adequate documentation that the work was actually performed.

iv. No retainage shall be released or paid for work on an uncompleted Work Assignment while a Contract is suspended.

v. Except as otherwise provided above, Contractor shall be paid the retainage associated with a Work Assignment, provided Contractor has completed the work and submits an invoice for retainage held in accordance with paragraph 7.B. above.

9. **Subcontractor Payments and Releases.** In addition to the invoicing requirements above, the following requirements for payment of invoices for Services shall apply:

A. Contemporaneous with all payments from Department, excluding the final payment for a Work Assignment, Contractor shall pay all subcontractors and vendors under this Contract within seven (7) working days from the date of receipt of payment from Department. If Contractor receives less than full payment from Department for the services or goods of the subcontractors or vendors, Contractor shall pay subcontractors and vendors in at least the same proportion as that paid by Department. Penalties for non-compliance and provisions for legal assistance for subcontractors are included in Subsection 287.0585(1), F.S.

B. Contractor shall submit, with each invoice for work where subcontractors or suppliers performed work during the invoice period on-site, lien waivers from each subcontractor or supplier for work done during the invoice period at the site.

10. **Release of Claims.** Upon satisfactory completion of each Work Assignment, Contractor shall execute and deliver to Department a release of all claims against Department arising under, or by virtue of, the Work Assignment, except claims which are specifically exempted by Contractor to be set forth therein (**Contractor Release**, using Attachment G - Contractor Affidavit/Release of Claims). Receipt by Department of Contractor's Release is a condition of final payment under a Work Assignment. Unless otherwise provided in this Contract, by State law or otherwise expressly agreed to by the parties to this Contract, final payment under a Work Assignment or settlement upon termination of this Contract shall not constitute a release or waiver of Department's claims against Contractor, or Contractor's sureties, subcontractors, successors or assigns under this Contract or as against applicable performance and payment bonds.

11. **Rates.**

A. Charges for rates or expenses which are not included in Attachment D, but which are required by Department on an Assignment Form, shall be compensated at rates agreed to by Department and Contractor, and which rates shall be evidenced by an executed Assignment Form or PO. If Department determines that such rates should become a part of the rate schedule attached to this Contract, Department shall initiate an amendment to this Contract evidencing the rates mutually agreed to by both parties for inclusion in this Contract.

B. i. **The rates in Attachment D, which will be viewed as maximum rates, shall be current and effective for the first twenty-four (24) months of this Contract.** Contractor may request an increase in rates each year after the initial twenty-four (24) month term of this Contract, including during any renewal period(s).

ii. Requests for increases must be submitted at least sixty (60) calendar days prior to the anniversary date of this Contract in order for the request to be considered. Rate increases must be requested in writing to Department and must be supported by a detailed justification which warrants the requested increase percentage (**up to a maximum of 5% in any one year**). Department shall review the request, and supporting documentation, to determine whether an increase is warranted and, if so, what percentage of adjustment (increases not to exceed 5% in any one year) will be authorized by formal amendment to this Contract.

iii. Either party may request a decrease in the rates in Attachment D at any time. Each party shall review the other party's written request. If an agreement cannot be reached regarding a requested decrease in the rates, this Contract may be terminated pursuant to paragraph 23.B. as a termination for convenience without cost or penalty.

C. Department may, in its sole discretion, make an equitable adjustment in this Contract's terms or pricing if pricing or availability of supply is affected by extreme and unforeseen circumstances causing volatility in the marketplace. Such circumstances must satisfy all the following criteria: (1) the volatility is due to causes wholly beyond Contractor's control, (2) the volatility affects the marketplace or industry, not just the particular Contractor's source of supply, (3) the effect on pricing or availability of supply is substantial, and (4) the volatility so affects Contractor that continued performance of the Contract under its existing terms would result in a substantial loss.

12. **Prompt Payment.**

A. Department's Contract Manager shall have five (5) business days, unless otherwise specified herein, to inspect and approve the services for payment. Department shall submit a request for payment to the Florida Department of Financial Services (**DFS**) within twenty (20) business days; and DFS shall issue warrant within ten (10) business days thereafter. Days are calculated from the latter date the invoice is received or services received, inspected, and approved. Invoice payment requirements do not start until a proper and correct invoice has been received. Invoices which have to be returned to Contractor for correction(s) will result in an uncompensated delay in payment. A Vendor Ombudsman has been established within DFS who may be contacted if Contractor is experiencing problems in obtaining timely payment(s) from a State agency. The Vendor Ombudsman may be contacted at 850-413-5516, per Section 215.422, Florida Statutes.

B. Department shall pay Contractor interest at a rate as established by Section 55.03(1), Florida Statutes, on the unpaid balance of an invoice, if a warrant in payment of an invoice is not issued within forty (40) business days after receipt of a correct invoice and receipt, inspection, and approval of the goods and services. Interest payments of less than $1 will not be enforced unless Contractor requests payment. The interest rate for each calendar year for which the term of this Contract is in effect can be obtained

from DFS' Vendor Ombudsman at the telephone numbers provided above, or Department's Procurements Section at 850-245-2361, per Section 215.422, Florida Statutes.

13. **Notice.** All notices and written communication between the parties shall be sent by email, U.S. Mail, or a courier delivery service. Notices shall be considered delivered when reflected by an electronic mail read receipt, a courier service delivery receipt, other mail service delivery receipt or when acknowledged by recipient.

14. **Identification of Contract Managers.** Department and Contractor Contract Managers and contact information is provided on page 1 of this Contract. All matters shall be directed to the Contract Managers for appropriate action or disposition. Any changes to the Contract Manager information identified on page 1 must be noticed, in writing, to the other party within ten (10) calendar days of the change.

15. **Financial Consequences for Unsatisfactory Performance.** No payment will be made for unsatisfactory deliverables. Department shall notify Contractor of all unsatisfactory deliverables. Contractor shall re-perform the services needed for submittal of a satisfactory deliverable, at no additional cost to Department, within thirty (30) days of being notified of the unsatisfactory deliverable. If a satisfactory deliverable is not submitted within the specified timeframe, Department may, in its sole discretion, either: 1) terminate the Work Assignment for failure to perform, or 2) Department Contract Manager, by letter specifying the failure of performance under the Contract, request that a proposed Corrective Action Plan (**CAP**) be submitted by Contractor to Department. CAPs must be able to be implemented and performed in no more than sixty (60) days following submittal.

    A. A CAP shall be submitted within ten (10) calendar days of the date of the letter request from Department Contract Manager. The CAP shall be sent to Department's Contract Manager for review and approval. Within ten (10) calendar days of receipt of a CAP, Department shall notify Contractor in writing whether the CAP proposed has been accepted. If the CAP is not accepted, Contractor shall have ten (10) calendar days from receipt of Department's notice rejecting the proposed CAP to submit a revised proposed CAP. Failure to obtain Department approval of a CAP as specified above shall result in Department's termination of the Work Assignment for cause as authorized in the Contract.

    B. Contractor shall have ten (10) calendar days to commence implementation of an accepted proposed CAP. Acceptance of a proposed CAP by Department does not relieve Contractor of any of its obligations under the Contract. If the CAP fails to correct or eliminate performance deficiencies by Contractor, Department retains the right to require additional or further remedial steps, or to terminate the Work Assignment for failure to perform. No actions approved by Department, or remedial actions taken by Contractor, shall estop Department from asserting any other or subsequent deficiencies in performance under this Contract or any Work Assignment. Contractor shall continue to implement the CAP until all deficiencies are corrected. Reports on the progress of the CAP will be made to Department as requested by Department Contract Manager.

    C. Contractor's failure to supply a requested CAP or failure to correct a deficiency in the performance of the Work Assignment as specified by Department shall be a basis for termination of the Work Assignment for cause.

16. **Performance Bond.** In lieu of retainage, Department may require Contractor furnish an executed Performance Bond written by a surety acceptable to Department, in an amount up to one hundred and twenty percent (120%) of the total anticipated cost of any Work Assignment.

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17. **Insurance.**

A. To the extent required by law, Contractor will be self-insured against, or will secure and maintain during the life of this Contract, Workers' Compensation Insurance for all of its employees connected with the work of this project. Contractor shall require any and all subcontractors to provide Workers' Compensation Insurance for all employees unless such employees are covered by the protection afforded by Contractor. Such self-insurance program or insurance coverage shall comply fully with the Florida Workers' Compensation law. In case any class of employees engaged in hazardous work under this Contract is not protected under the Workers' Compensation statute, Contractor shall provide, and cause each subcontractor to provide, adequate insurance satisfactory to Department, for the protection of its employees not otherwise protected.

B. Contractor shall secure and maintain during the life of the Contract comprehensive general liability coverage with limits of not less than $1,000,000 per occurrence and $1,000,000 annual aggregate, comprehensive automobile liability coverage with limits of not less than $1,000,000 per occurrence and $1,000,000 annual aggregate, and professional liability coverage with limits of not less than $1,000,000 per claim and $1,000,000 per annual aggregate. Contractor's current certificate of insurance shall contain a provision that the insurance will not be canceled for any reason except after thirty (30) days written notice (with the exception of non-payment of premium which requires a ten (10) day notice) to Department's Procurement Administrator and shall reference the DEP Contract No. In the event that the insurance requirements in statute are changed, the coverage limits specified herein will also be increased.

18. **Indemnification.**

A. Contractor shall be fully liable for the actions of its agents, employees, partners, or subcontractors and shall fully indemnify, defend, and hold harmless the State and Department, and their officers, agents, and employees, from suits, actions, damages, and costs of every name and description, including attorneys' fees, arising from or relating to personal injury and damage to real or personal tangible property alleged to be caused in whole or in part by Contractor, its agents, employees, partners, or subcontractors, provided, however, that the Contractor shall not indemnify for that portion of any loss or damages proximately caused by the negligent act or omission of the State or Department.

B. Further, Contractor shall fully indemnify, defend, and hold harmless the State and Department from any suits, actions, damages, and costs of every name and description, including attorneys' fees, arising from or relating to violation or infringement of a trademark, copyright, patent, trade secret or intellectual property right, provided, however, that the foregoing obligation shall not apply to Department's misuse or modification of Contractor's products or Department's operation or use of Contractor's products in a manner not contemplated by this Contract. If any product is the subject of an infringement suit, or in Contractor's opinion is likely to become the subject of such a suit, the Contractor may at its sole expense procure for Department the right to continue using the product or to modify it to become non-infringing. If Contractor is not reasonably able to modify or otherwise secure Department the right to continue using the product, Contractor shall remove the product and refund Department the amounts paid in excess of a reasonable rental for past use. Department shall not be liable for any royalties.

C. Contractor's obligations under the preceding two paragraphs with respect to any legal action are contingent upon the State or Department giving the Contractor (1) written notice of any action or threatened action, (2) the opportunity to take over and settle or defend any such action at Contractor's sole expense, and (3) assistance in defending the action at Contractor's sole expense. Contractor shall not be liable for any cost, expense, or compromise incurred or made by the State or Department in any legal action without the Contractor's prior written consent, which shall not be unreasonably withheld.

19. **Nonassignability and Subcontracting.**

A. Contractor shall not sell, assign or transfer any of its rights, duties or obligations under this Contract, or under any Task Assignment or Purchase Order issued pursuant to this Contract (**Rights and Duties**), without the prior written consent of Department. Contractor shall remain liable for performance of its Rights and Duties, regardless of any assignment to or assumption by any third party, notwithstanding any approval thereof by Department. However, Department may expressly release Contractor from any and all Rights and Duties through a novation accompanying an approved assignment. Department may assign Department's Rights and Duties, but shall give prior written notice of its intent to do so to Contractor. The foregoing notwithstanding, Contractor hereby assigns to the State any and all claims it has with respect to the Contract under the antitrust laws of the United States and the State.

B. Contractor shall not subcontract any work under this Contract, with the exception of those subcontractors identified on page 1 of this Contract, without the prior written consent of Department's Contract Manager. Department reserves the right to reject any proposed subcontractor based upon Department's prior experience with subcontractor, subcontractor's reputation, or Department's lack of adequate assurance of performance by subcontractor. Contractor agrees to be responsible for the fulfillment of all work elements included in any subcontract and agrees to be responsible for the payment of all monies due under any subcontract.

C. Department shall not be liable to any subcontractor for any expenses or liabilities incurred under any subcontract, regardless of whether Department has approved such subcontract or subcontractor. Contractor shall be solely liable to its subcontractor(s) for all expenses and liabilities incurred under any subcontract. Any subcontracts made under or in performance of this Contract must include the same conditions specified in this Contract, with the exception of insurance requirements (paragraph 17), and shall include a release of any rights, claims or liabilities against Department. The level of insurance to be carried by subcontractors performing work under this Contract shall be at the discretion of Contractor.

20. **Access and Inspection.** Department personnel, and personnel of a contracted Local Program or Team, shall be given access to and may observe and inspect work being performed under any Work Assignment under this Contract, including by any of the following methods:

A. Contractor shall provide access to any public records (as that term is used herein and Chapter 119 Fla. Stats) created by or at the direction of Contractor under this Contract;

B. Contractor shall provide access to any location or facility on which Contractor is performing work, or storing or staging equipment, materials or documents;

C. Contractor shall permit inspection of any facility, equipment, practices, or operations required under any Work Assignment; and,

D. Contractor shall allow and facilitate sampling and monitoring of any substances, soils, materials or parameters at any location reasonable or necessary to assure compliance with any Work Assignment or Constraints.

21. **Third Party Beneficiaries.** This Contract is neither intended nor shall it be construed to grant any rights, privileges or interest in any third party without the mutual written agreement of the parties hereto.

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22. **Suspension.**

A. Work may be suspended as specified in Chapter 62-772, F.A.C. Department may also order Contractor in writing to suspend, delay or interrupt all or any part of the work under any Work Assignment for such period of time as Department may determine to be appropriate for any of the following reasons:

1. Contractor fails to timely and properly correct deficiencies in or performs unsatisfactory work;

2. Contractor's insurer or surety notifies Department that any of its insurance or bonds has lapsed or will lapse, and Contractor fails to provide replacement insurance or bonds acceptable to Department before the cancellation date;

3. Contractor or subcontractor materially violates safety laws or other Constraints;

4. Department determines that there is a threat to the public health, safety or welfare that necessitates such suspension;

5. Contractor fails to maintain its qualified status with Department or to timely take steps to have its qualified status reinstated upon discovery; or

6. for the convenience of Department.

B. If the performance of all or any part of the work is suspended, delayed or interrupted for an unreasonable period of time by an act of Department in administration of a Work Assignment, or by Department's failure to act within a reasonable time to review or approve an invoice, Department shall adjust the price of a Work Assignment (excluding profit) necessarily caused by such unreasonable suspension, delay or interruption and modify the Assignment Form, Change Order Form or PO. However, no adjustment shall be made under this clause for any suspension, delay or interruption if and to the extent that:

1. Performance would have been suspended, delayed or interrupted by any other cause, including the fault or negligence of Contractor; or

2. Equitable adjustment is provided for (or excluded) under any other provision of this Contract.

C. Contractor shall not be compensated for work performed subsequent to a notice of suspension by Department.

23. **Termination.**

A. Department may terminate this Contract at any time for cause, in the event of the failure of Contractor to fulfill any of its obligations under this Contract. Prior to termination, Department shall provide ten (10) calendar days written notice of its intent to terminate and shall provide Contractor an opportunity to consult with Department regarding the reason(s) for termination.

B. Department may terminate this Contract without cause and for its convenience by giving thirty (30) calendar days written notice to Contractor. Termination for convenience shall not entitle either party to any indirect, special or resulting damages, lost profits, costs or penalties, and Contractor shall be entitled only to recover those amounts earned by it for authorized deliverables completed under any Work Assignment up to the date of termination (or as may be agreed to and required by Department for completion of all or any portion of a Work Assignment).

C. Department may terminate this Contract in the event that Contractor merges with, into or acquires or is acquired by another ATC contractor. Such termination shall be a termination for convenience under this section.

24. **Dispute Resolution.**

A. In the event of any dispute, claim, question, or disagreement arising from or relating to this Contract, Work assigned hereunder, or the breach thereof, the parties hereto shall use their best efforts to settle the dispute, claim, question, or disagreement. To this effect, they shall consult and negotiate with each other in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties.

B. If a dispute develops, either Party may initiate the dispute resolution process by first writing a letter to the other party indicating the issue(s) in dispute and propose a solution by which to settle the dispute. The recipient of the letter shall respond within ten (10) days to the proposed solution. The recipient shall either agree to the proposed solution or propose an alternative solution including the possibility of a cash settlement. Correspondence shall continue in like manner until a settlement is reached or either party concludes that continued correspondence will not settle the dispute.

C. If correspondence does not resolve the dispute, the parties or their representatives shall meet on at least one occasion and attempt to resolve the matter on their own. The time and place, within fourteen (14) days of the last correspondence, shall be mutually agreeable to both parties.

D. If no agreement is reached resolving the dispute, the parties will submit to non-binding mediation to address any controversy or claim arising out of, or relating to this contract, changes or addendums to this contract or relating to any Work Assignments, change orders or other disputes over deliverables. The mediation shall be conducted according to the Commercial Mediation Rules followed by the American Arbitration Association, or such other rules as the parties may substitute therefore by agreement.

E. Either party may establish, in advance, the maximum amount of time and shared costs it will contribute for the mediation process. The parties shall be bound by the terms and conditions set forth in any Settlement Agreement executed by both parties. Both parties shall share the cost of the mediation dispute resolution process equally, although each party's own attorneys and witnesses or specialists are the direct responsibility of that party, and their fees and expenses shall be the responsibility only of the party which retained or engaged them.

F. The parties may resort to judicial resolution only after the above alternate dispute resolution process has been exhausted. No dispute, claim, question, or disagreement arising from or relating to this Contract, any Work assigned hereunder, or any decision by the Department related hereto, shall constitute agency action (as that term is defined in Chapter 120 Fla.Stat.), and Contractor waives any right to raise such disputes or challenge such decisions in an administrative forum.

25. **Public Records.**

A. Contractor shall keep and maintain public records that ordinarily and necessarily would be required by Department in order to perform the services under this Contract.

B. Contractor shall provide the public with access to all records on the same terms and conditions that Department would provide public records thereto and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law.

C. Contractor shall ensure that all public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

D. Contractor shall meet all requirements for retaining public records and transfer, at no cost, to Department, all public records in possession of Contractor upon termination of the Contract. Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public disclosure requirements. All records that are stored electronically must be provided to Department in a format that is accessible by and compatible with the information technology systems of Department.

E. This Contract may be unilaterally canceled by Department for Contractor's failure or refusal to comply with any of the foregoing provision, or to allow public access to all documents, papers, letters, or other material made or received by Contractor in conjunction with this Contract, unless the records are claimed and determined to be exempt from Section 24(a) of Article I of the State Constitution and Section 119.07(1), Florida Statutes.

26. **Change Orders.** Changes to the quantities of units described in a Work Assignment, which changes **do not** require an increase in the compensable quantity of units authorized in a specific line item of a task on the site specific rate sheet of the Work Assignment, such changes may be requested in writing, reflected by email to, and email confirmation and acceptance by, DEP's Site Manager. Any change which **does** require an increase in the compensable quantity of units authorized in a specific line item of a task on the site specific rate sheet of the Work Assignment or requires a change in the specified duration of a Work Assignment must be reflected in a Task Assignment Change Order Form or a PO Change Order in MFMP.

27. **P.R.I.D.E.** It is not anticipated by Department that any articles produced by P.R.I.D.E. will be necessary for Contractor to carry out this Contract. However, it is Contractor's responsibility to review available articles and comply with the following provision.

Any articles which are the subject of, or required to carry out, this Contract shall be purchased from the corporation identified under Chapter 946, F.S., if available, in the same manner and under the same procedures set forth in Section 946.515(2), (4), F.S.; and for purposes of this Contract the person, firm or other business entity carrying out the provisions of this Contract shall be deemed to be substituted for this agency insofar as dealings with such corporation are concerned.

The "Corporation identified" is PRISON REHABILITATIVE INDUSTRIES AND DIVERSIFIED ENTERPRISES, INC. (P.R.I.D.E.) which may be contacted at:

P.R.I.D.E.
12425 28th Street, North
St. Petersburg, Florida 33716-1826
Toll Free: 1-800-643-8459
Website: http://www.pride-enterprises.org/

28. **RESPECT of Florida.** It is not anticipated by Department that any articles produced by RESPECT of Florida will be necessary for Contractor to carry out this Contract. However, it is Contractor's responsibility to review available articles and comply with the following provision.

Any articles that are the subject of, or required to carry out, this Contract shall be purchased from a nonprofit agency for the blind or for the severely handicapped that is qualified pursuant to Chapter 413, Florida Statutes, in the same manner and under the same procedures set forth in Section 413.036(1) and (2), Florida Statutes; and for purposes of this Contract the person, firm, or other business entity carrying out the provisions of this Contract shall be deemed to be substituted for the state agency insofar as dealing with such qualified nonprofit agency are concerned.

The "nonprofit agency" identified is RESPECT of Florida which may be contacted at:

RESPECT of Florida.
2475 Apalachee Parkway, Suite 205
Tallahassee, Florida 32301-4946
(850) 487-1471
Website: www.respectofflorida.org

29. **Non-solicitation.** Contractor warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for Contractor to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for Contractor any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award or making of this Contract.

30. **Conflict of Interest.**

A. Contractor covenants that it presently has no interest, and shall not acquire any interest, which would conflict in any manner or degree with its performance of this Contract or the Services required hereunder.

B. Department may seek recovery of the costs of cleanup of specific sites from any and all parties responsible for site contamination, and must anticipate the possibility of litigation arising from such efforts. To avoid a conflict-of-interest, or the appearance of a conflict-of-interest, Contractor shall notify Department in writing within five (5) days of Contractor's discovery of any present or anticipated contractual or other business relationship between Contractor, or any of its subcontractors, and any of the persons or entities who are, or may be, responsible for contamination of a site on which it is assigned work. Department may notify Contractor of potentially responsible parties for site contamination, if such information is available to Department.

C. Following notice by Contractor of a potential conflict of interest, or discovery by Department of same, Department shall notify Contractor within ten (10) days of receipt of such notification whether or not it has identified a conflict or appearance of a conflict of interest with regard to the site.

D. Contractor or a subcontractor is deemed to have had a business relationship with one of the responsible parties for site contamination if it has had a relationship with a parent organization, or subsidiary, a predecessor or a successor of such party, or if it has been engaged by independent legal representatives on behalf of any such parties. In addition, Contractor will be conclusively determined to have a conflict of interest with regard to any site, if it has given or offered remuneration, in cash or in kind, directly or indirectly, to the site owner or operator, or his or her designee to obtain the work associated with such site.

E. Contractor shall describe all actions it has taken, or proposes to take, to avoid or to mitigate actual or apparent conflicts-of-interest. Department retains the right to investigate and determine whether Contractor has a conflict or appearance of a conflict of interest with regard to any site. Department may terminate this Contract if Department deems such termination to be in the best interest of the Department, or may terminate Contractor's Work Assignment as to a particular site or sites, based upon its assessment of the potential conflict-of-interest.

F. 1. All owners, parties responsible for site rehabilitation, Contractors and subcontractors shall provide a statement executed under oath that no compensation, remuneration, or gift, of any kind, directly or indirectly, has been solicited, offered, accepted, paid, or received in exchange for the selection, designation or employment of Contractor or subcontractor in connection with the cleanup of an

eligible site, except for the compensation paid by the Department to Contractor pursuant to this Contract.

2. Contractor and its subcontractors shall provide a statement executed under oath that they have never paid, offered, or provided any compensation in exchange for being designated or hired to perform cleanup work, except for the compensation for the cleanup work paid by Department.

Such statements shall be provided to Department concurrent with the execution of the task assignments, work orders or contracts, pursuant to Chapter 2013-41, Section 29, Laws of Florida, effective through June 30, 2014.

31. **Force Majeure.** Contractor shall not be responsible for delay resulting from its failure to perform if neither the fault nor the negligence of Contractor or its employees, subcontractors or agents contributed to the delay and the delay is due directly to acts of God, wars, acts of public enemies, strikes, fires, floods, hurricanes, or other similar cause wholly beyond Contractor's control, or for any of the foregoing that affect subcontractors or suppliers if no alternate source of supply is available to Contractor. In case of any delay Contractor believes is excusable, Contractor shall notify Department in writing of the delay or potential delay and describe the cause of the delay either (1) within ten (10) days after the cause that creates or will create the delay first arose, if Contractor could reasonably foresee that a delay could occur as a result, or (2) if delay is not reasonably foreseeable, within five (5) days after the date Contractor first had reason to believe that a delay could result. **THE FOREGOING SHALL CONSTITUTE CONTRACTOR'S SOLE REMEDY OR EXCUSE WITH RESPECT TO DELAY.** Providing notice in strict accordance with this paragraph is a condition precedent to such remedy. No claim for damages, other than for an extension of time, shall be asserted by Contractor against Department. Contractor shall not be entitled to an increase in the price or payment of any kind from Department for direct, indirect, consequential, impact or other costs, expenses or damages, including but not limited to costs of acceleration or inefficiency, arising because of delay, disruption, interference, or hindrance from any cause whatsoever. If performance is suspended or delayed, in whole or in part, due to any of the causes described in this paragraph, after the causes have ceased to exist Contractor shall perform at no increased cost, unless Department determines, in its sole discretion, that the delay will significantly impair the value of the Contract to the State or to Department, in which case Department may (1) accept allocated performance or deliveries from Contractor, provided that Contractor grants preferential treatment to Department with respect to products subjected to allocation, or (2) purchase from other sources (without recourse to and by Contractor for the related costs and expenses) to replace all or part of the products that are the subject of the delay, which purchases may be deducted from the Contract quantity, or (3) terminate the Contract in whole or in part.

32. **Forum Selection and Choice of Law.** This Contract has been delivered in the State of Florida and shall be construed in accordance with the laws of Florida. Wherever possible, each provision of this Contract shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Contract shall be prohibited or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Contract. Any action in connection with this Contract or Work Assignment shall be brought in a court of competent jurisdiction located in Leon County, Florida.

33. **Document Retention and Audit.** Contractor shall maintain books, records and documents directly pertinent to performance under this Contract in accordance with United States generally accepted accounting principles (**US GAAP**) consistently applied. Department, the State, or their authorized representatives shall have access to such records for audit purposes during the term of this Contract and for five (5) years following Contract completion or termination. In the event any work is subcontracted, Contractor shall similarly require each subcontractor to maintain and allow access to such records for audit purposes.

34. **Ownership of Documents.** All plans, specifications, maps, computer files, databases and/or reports prepared or obtained under this Contract, as well as data collected together with summaries and charts derived therefrom,

shall be considered works made for hire and shall be and become the property of Department upon completion or termination of this Contract, without restriction or limitation on their use, and shall be made available upon request to Department at any time during the performance of such services and/or upon completion or termination of this Contract. Upon delivery to Department of said document(s), Department shall become the custodian thereof in accordance with Chapter 119, Florida Statutes. Contractor shall not copyright any material and products or patent any invention developed under this Contract.

35. **Non-Waiver of Rights.** No delay or failure to exercise any right, power or remedy accruing to either party upon breach or default by the other party under this Contract, shall impair any such right, power or remedy of either party; nor shall such delay or failure be construed as a waiver of any such breach or default, or any similar breach or default thereafter.

36. **Tax Exemption.** Contractor recognizes that Department is an agency of the State of Florida, which by virtue of its sovereignty is not required to pay any taxes on the services or goods purchased under the terms of this Contract. Department does not pay Federal excise or sales taxes on direct purchases of tangible personal property. Department will not pay for any personal property taxes levied on Contractor or for any taxes levied on employees' wages. Any exceptions to this paragraph shall be explicitly noted by Department on an Assignment Form, Change Order Form or PO.

37. **Disqualification.**

    A. Contractor shall maintain its qualified contractor status with Department during the term of this Contract. In the event that Contractor's qualification status lapses, Contractor shall immediately notify Department and undertake steps to reinstate its qualified status prior to continuation of any executed task assignment or acceptance of any new task assignment. Failure to notify Department shall result in the suspension of all Work Assignments and/or termination of this Contract.

    B. Contractor certifies that it is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, F.S. Contractor agrees that Department may immediately terminate this Contract for cause if Contractor is found to have submitted a false certification or if Contractor is placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List during the term of this Contract, pursuant to Section 287.135(5), F.S.

    C. The employment of unauthorized aliens by any Contractor/vendor is considered a violation of Section 274A(e) of the Immigration and Nationality Act. If Contractor knowingly employs unauthorized aliens, such violation shall be cause for unilateral cancellation of this Contract. Contractor shall be responsible for including this provision in all subcontracts with private organizations issued as a result of this Contract.

    D. Contractor is required to utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment of all new employees hired by Contractor during the contract term, pursuant to State of Florida Executive Orders Nos.: 11-02 and 11-116. Also, Contractor shall include in related subcontracts a requirement that subcontractors performing work or providing services pursuant to this Contract utilize the E-Verify system to verify employment of all new employees hired by the subcontractor during the contract term.

38. **Public Entity Crimes.** Section 287.017, Florida Statutes provides that a person or affiliate (as that term is defined therein) who has been placed on the convicted vendor list following a conviction for a public entity crime may not 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 Section 287.017, F.S., for Category Two, for a period of 36 months from the date of being placed on the convicted vendor

list. Contractor certifies that neither it nor any affiliate has been placed on such convicted vendor list, and shall notify Department within five (5) days of its or any of its affiliate's placement thereon.

39. **Nondiscrimination.**

A. Contractor certifies that no person, on the grounds of race, creed, color, national origin, age, sex, or disability, shall be excluded from participation in; be denied the proceeds or benefits of; or be otherwise subjected to discrimination in performance of this Contract.

B. Contractor certifies that neither it nor any affiliate is or has been placed on the discriminatory vendor list. 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. The Florida Department of Management Services is responsible for maintaining the discriminatory vendor list and posts the list on its website. Questions regarding the discriminatory vendor list may be directed to the Florida Department of Management Services, Office of Supplier Diversity at 850-487-0915.

C. Contractor shall comply with the Americans with Disabilities Act ("ADA").

40. **Compliance with Applicable Law.** Contractor shall comply with all applicable federal, state and local rules and regulations in providing services to Department under this Contract. Contractor acknowledges that this requirement includes, but is not limited to, compliance with all applicable federal, state and local health and safety rules and regulations. Contractor further agrees to include this provision in all subcontracts issued as a result of this Contract.

41. **Governmental Restrictions.** If Contractor believes that any governmental restrictions have been imposed that require alteration of the material, quality, workmanship or performance of the products offered under this Contract, Contractor shall immediately notify Department in writing, indicating the specific restriction. Department reserves the right and the complete discretion to accept any such alteration or to cancel the Contract at no further expense to Department.

42. **Quality Assurance/Quality Control.** All sampling and analyses performed under this Contract must conform to the requirements set forth in the current and future amended versions of Chapter 62-160, Florida Administrative Code (F.A.C.), including the referenced SOPs incorporated by reference (DEP-SOP-0001/01), and the following Department Petroleum Restoration Program Guidance Documents pertaining to quality assurance:

A. BPSS PCS-004, Soil Assessment and Sampling Methods (10/1/01);

B. BPSS PCS-005, Groundwater Sampling Standard Operating Procedures Variances and Clarifications for Bureau of Petroleum Storage Systems sites (5/2/05);

C. Guidance for Completing the Groundwater Sampling Log (Form FD 9000-24) for Chapter 62-770, F.A.C.;

D. BPSS Field Notes Guidance (4/25/12);

E. Quality Assurance and Related Issues (5/14/07);

F. Quality Assurance-Basic Dilution Principals, Supplement to Quality Assurance and Related Issues (6/10/10); and

G. SPLP Procedures for Petroleum Contaminated Sites (3/8/10).

43. **Hazardous Waste and Materials.** Contractor shall not be regarded or required to be a generator, transporter, treater, storer or disposer of hazardous materials or other substances (as defined by Section 403.703, F.S.), that are present on or excavated from an assigned site pursuant to this Contract, unless specifically tasked to do so under a task assignment or unless Contractor undertakes directly to transport, treat, store or dispose (as defined by Section 403.703, F.S. and rules of Department) of hazardous materials or other substances generated from an assigned site. Where appropriate, Contractor shall employ the services of licensed or certified subcontractors, for the transportation, treatment, storage or disposal of said hazardous materials or substances.

44. **Liquidated Damages.** In addition to other remedies elsewhere in this Contract, and as provided by law, unless otherwise stipulated in each Work Assignment, Contractor hereby covenants and agrees to pay liquidated damages to Department as follows:

A. Contractor acknowledges that time is of the essence for all services provided under this Contract, and whereas the actual damages to be suffered by late performance are incapable of accurate calculation, the parties agree to the following as a reasonable estimation thereof as liquidated damages. In addition to the forfeiture provisions in paragraphs 8.J.iii. and 9.C. of this Contract, in the event that the deliverable identified in a Work Assignment is not completed and submitted by the close of business on the date the deliverable is due, the compensation amount stated for that Work Assignment may be reduced by 0.5% per week for each week the deliverable is late, with the total amount of the liquidated damages not to exceed the total compensation amount of that Work Assignment;

B. The date of submission shall be the date of receipt by Department.

C. If no Department receipt date appears or the date is illegible, the date of submission shall be deemed to be five (5) days prior to receipt by the Site Manager.

D. If completion will be justifiably delayed due to reasons as set out in paragraph 31, Department may grant an extension of time as evidenced by a properly executed Change Order Form or processed PO Change Order.

E. If the deliverable(s) fail to comply with the requirements of this Contract, or if questions arise from review and Contractor is so notified and requested to respond, Contractor shall furnish the required additions, deletions, or revisions in accordance with the corresponding Work Assignment(s) at no additional cost to Department.

F. If the additions, deletions, and revisions are not submitted to Department's Site Manager in accordance with the corresponding Work Assignment(s), the compensation stated for that Work Assignment may be reduced by 0.5% for each week that the requested deliverable is late as stated in the Work Assignment. The total amount that is reduced shall not exceed the total compensation amount of the Work Assignment.

G. Contractor's failure to respond to a request to correct the deliverables will result in termination of the Work Assignment and **forfeiture** of any unpaid balance for such deliverables. Additionally, Department, at its discretion, may re-assign future work on the project or site of that Work Assignment.

45. **Contractor Performance Review.** Department shall evaluate, with input from the responsible party and/or site owner, Contractor's performance, at least after completion of each task assignment under this Contract, using the Interim Contractor Performance Evaluation form, and annually, based on the work performed under this Contract during the state fiscal year, using the Annual Contractor Performance Evaluation form. The current

versions of these forms can be found at www.dep.state.fl.us/waste . Contractor performance shall be considered prior to assignment of task assignments, renewal of this Contract, and release of retainage.

46. **MyFloridaMarketPlace Transaction Fee.**
    A. The State of Florida, through the Department of Management Services, has instituted MyFloridaMarketPlace, a statewide e-procurement system. Pursuant to Section 287.057(22)(c), Florida Statutes (2002), all payments shall be assessed a Transaction Fee of one percent (1%), which Contractor shall pay the State.

    B. For payments within the State accounting system (FLAIR or its successor), the Transaction Fee shall, when possible, be automatically deducted from payments to the vendor. If automatic deduction is not possible, Contractor shall pay the Transaction Fee pursuant to Rule 60A-1.031(2), F.A.C. By submission of these reports and corresponding payments, Contractor certifies their correctness. All such reports and payments shall be subject to audit by the State or its designee.

    C. Contractor shall receive a credit for any Transaction Fee paid by the vendor for the purchase of any item(s) if such item(s) are returned to Contractor through no fault, act, or omission of Contractor. Notwithstanding the foregoing, a Transaction Fee is non-refundable when an item is rejected, returned, or declined, due to Contractor's failure to perform or comply with specifications or requirements of this Contract.

    D. Failure to comply with these requirements shall constitute grounds for declaring Contractor in default and recovering re-procurement costs from Contractor in addition to all outstanding fees. CONTRACTORS WHICH ARE DELINQUENT IN PAYING TRANSACTION FEES MAY BE EXCLUDED FROM CONDUCTING FUTURE BUSINESS WITH THE STATE.

47. **Modifications Required by Law.** Department reserves the right to revise this Contract to include additional language required by federal agency(ies) or other sources awarding funding to Department in support of this Contract; or to include changes necessitated by DEP rule changes.

48. **Attorney's Fees.** In the event of any legal action to enforce the terms of this Contract, each party shall bear its own attorney's fees and costs.

49. **Order of Precedence.** In the event of a conflict in terms between any of the components of this Contract, the order of precedence for resolving such conflict shall be as follows (1 being the highest precedence):
    1. body of this Contract;
    2. scope of services attached,
    3. Schedule of Pay Items;
    4. all other attachments to this Contract;
    5. documents, agreements and exhibits incorporated herein by reference;
    6. DEP Solicitation No. 2014004C, inclusive of all attachments, addenda and questions and answers to the solicitation; and,
    7. Contractor's response to the solicitation.

50. **Interpretation of Contract.**
    A. Where appropriate: the singular includes the plural and vice versa; references to statutes or regulations include all statutory or regulatory provisions consolidating, amending or replacing the statute or regulation referred to; unless otherwise indicated references to Rules are to the adopted rules in the Florida Administrative Code; the words "including," "includes" and "include" shall be deemed to be followed by the words "without limitation"; unless otherwise indicated references to sections, appendices or schedules are to this Agreement; words such as "herein," "hereof" and "hereunder" shall refer to the entire document

in which they are contained and not to any particular provision or section; words not otherwise defined which have well-known technical or construction industry meanings, are used in accordance with such recognized meanings; references to Persons include their respective permitted successors and assigns and, in the case of Governmental Persons, Persons succeeding to their respective functions and capacities; and words of any gender used herein shall include each other gender where appropriate.

B. Unless otherwise specified, lists contained in this Contract shall not be deemed all-inclusive. Contractor acknowledges and agrees that it had the opportunity and obligation, prior to submission of its Response, to review the terms and conditions of this Contract and to bring to the attention of Department any conflicts or ambiguities contained therein. Contractor further acknowledges and agrees that it has independently reviewed this Contract with legal counsel, and that it has the requisite experience and sophistication to understand, interpret and agree to the particular language of the terms. Accordingly, if an ambiguity in (or dispute regarding the interpretation of) this Contract shall arise, the Contract shall not be interpreted or construed against Department, and, instead, other rules of interpretation and construction shall be used.

51. **Headings.** The headings contained herein are for convenience only, do not constitute a part of this Contract and shall not be deemed to limit or affect any of the provisions hereof.

52. **Execution in Counterparts.** This Contract may be executed in two or more counterparts, each of which together shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

53. **Remedies.** All rights and remedies provided in this Contract are cumulative and not exclusive of any other rights or remedies that may be available to Department, whether provided by law, equity, statute, in any other agreement between the parties or otherwise. Department shall be entitled to injunctive and other equitable relief, including, but not limited to, specific performance, to prevent a breach, continued breach or threatened breach of this Contract. No remedy or election **hereunder** shall be deemed exclusive. A failure to exercise or a delay in exercising, on the part of Department, any right, remedy, power or privilege hereunder shall not operate as a waiver thereof; nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege.

54. **Warranty of Ability to Perform.** Contractor warrants that, to the best of its knowledge, there is no pending or threatened action, proceeding, or investigation, or any other legal or financial condition, that would in any way prohibit, restrain, or diminish Contractor's ability to satisfy its Contract obligations. Contractor warrants that neither it nor any affiliate is currently on the convicted vendor list maintained pursuant to section 287.133 of the Florida Statutes, or on any similar list maintained by any other state or the federal government. The Contractor shall immediately notify Department in writing if its ability to perform is compromised in any manner during the term of this Contract.

55. **Warranty of Authority.** Each person signing this Contract warrants that he or she is duly authorized to do so and to bind the respective party to this Contract.

56. **Integration.** This Contract contains all the terms and conditions agreed upon by the parties, which terms and conditions shall govern all transactions between Department and Contractor. Any alterations, variations, changes, modifications or waivers of provisions of this Contract shall only be valid when they have been reduced to writing, duly signed by each of the parties hereto, and attached to the original of this Contract, unless otherwise

provided herein. No oral agreements or representations shall be valid or binding upon Department or Contractor. No alteration or modification of the Contract terms, including substitution of product, shall be valid or binding against Department. Contractor may not unilaterally modify the terms of this Contract by affixing additional terms to product upon delivery (e.g., attachment or inclusion of standard preprinted forms, product literature, "shrink wrap" terms accompanying or affixed to a product, whether written or electronic) or by incorporating such terms onto Contractor's order or fiscal forms or other documents forwarded by Contractor for payment. Department's acceptance of product or processing of documentation on forms furnished by Contractor for approval or payment shall not constitute acceptance of the proposed modification to terms and conditions.

List of attachments/exhibits included as part of this Contract:

Specify Type	Letter/ Number	Description
Attachment	A	Scope of Services (64 pages)
Attachment	B	Task Assignment Notification Form (1 page)
Attachment	C	Task Assignment Change Order Form (1 page)
Attachment	D	Rate Schedule (2 pages)
Attachment	E	Subcontractor Utilization Report Form (4 pages)
Attachment	F	Contract Payment Requirements (1 page)
Attachment	G	Contractor Affidavit / Release of Claim Form (1 page)
Attachment	H	Liquidated Damages Assessment Form (1 page)

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ATTACHMENT A

SCOPE OF SERVICES

I. Introduction

Florida's Petroleum Restoration Program (Program) encompasses nearly 12,000 open discharges of petroleum or petroleum products from stationary petroleum storage systems at approximately 10,000 confirmed contaminated sites that are eligible or otherwise approved for cleanup funding assistance from the Inland Protection Trust Fund (IPTF). The annual appropriation for direct cleanup related expenditures is currently $125 million.

The Florida Department of Environmental Protection (DEP) has procured contractors to perform petroleum contamination site response action services under the Program. This selection was conducted under the authority provided in section 376.30711, F.S. and section 287.057, F.S. Activities associated with site response actions will be performed in accordance with the provisions of Chapter 62-780, Florida Administrative Code (F.A.C.), Contaminated Site Cleanup Criteria Rule and section 376.3071, F.S. The selected contractor (Contractor) will be responsible for all phases of assessment and cleanup, as well as liability of damage suffered by the State for non-performance. The Contractor may be given work assignments for sites at which some assessment or remedial activities have already occurred. In such cases, the Contractor's liability for accepting and using work done by previous Contractors will be negotiated on a site-specific basis.

Multiple response action contractors have been selected and retained by the DEP to work on the highest priority petroleum contamination sites. DEP shall follow the process outlined in the current version of the Relative Capacity Index (RCI) for direct assignments of Services under this Contract. The Contractor shall also be assigned work as specified in 62-772.401, F.A.C. Additionally, the DEP reserves the right to competitively bid out any portion of the assessment and cleanup work at a site or group of sites.

It is also the DEP's intention, in accordance with section 376.30711(2)(a), F.S., to award some of the work based upon the most competitive price for performance based cleanup. This price will be determined by soliciting cost proposals from selected contractors simultaneously. A performance based cleanup is one in which payments are made to the Contractor based upon a negotiated schedule of cleanup progress.

The Contractor shall provide site response action services to the DEP for the Program. These services cover a broad range of activities in the general categories of site assessment, remedial options and design, remedial action implementation, and site closure, as outlined in the Petroleum Cleanup Phase and Cleanup Activity Table, Category Descriptions, and Technical Specifications below, as well as the Rate Schedule in Attachment D and other referenced Appendices.

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II. Petroleum Cleanup Phase and Cleanup Activity Table

Cleanup Phase	Cleanup Activity	Abbreviation
Source Removal (SR)	Contaminated Soil Removal (CSR)	SR-CSR
	Free Product Recovery (FPR)	SR-FPR
Site Assessment (SA)	Site Characterization Screening (SCS)	SA-SCS
	Reconnaissance (REC)	SA-REC
	Initial Site Assessment (ISA)	SA-ISA
	Site Assessment (SA)	SA-SA
	Supplemental Site Assessment (SSA)	SA-SSA
	Site Closure (SC)	SA-SC
	Well Abandonment That is Not Part of Site Closure (WA)	SA-WA
Remedial Action (RA)	Natural Attenuation Monitoring Plan (NAP)	RA-NAP
	Natural Attenuation Monitoring (NAM)	RA-NAM
	Long Term Natural Attenuation Monitoring (LTNAM)	RA-LTNAM
	Supplemental Site Assessment (SSA)	RA-SSA
	Pilot Test (PT)	RA-PT
	Limited Scope Remedial Action Plan (LSRAP)	RA-LSRAP
	Remedial Action Plan (RAP)	RA-RAP
	Remedial Action Modification Plan (MOD)	RA-MOD
	Contaminated Soil Removal (CSR)	RA-CSR
	Free Product Recovery (FPR)	RA-FPR
	Limited Scope Remedial Action (LSRA)	RA-LSRA
	Remedial Action Construction (RAC)	RA-RAC
	Operation & Maintenance (O&M)	RA-O&M
	Post Active Remediation Monitoring (PRM)	RA-PRM
	Site Closure (SC)	RA-SC
	Well Abandonment That is Not Part of Site Closure (WA)	RA-WA
Performance-Based Cleanup (PBC)	Any Applicable Cleanup Codes Above Verification Sampling (VS)	PBC-(code) PBC-VS

III. Category Descriptions

A. Site Assessment: The Contractor will perform all aspects of the site assessment in accordance with applicable rules and guidance of the DEP and other government entities, including general coordination and communication during the project, researching site history and background, identifying potential receptors and health risks, determining the chemicals of concern present, their concentrations and the vertical and horizontal extent of the contaminant plume in all affected media, determining the lithologic and hydrogeologic parameters that affect the migration of contaminants, identifying off-site contamination and affected parties, evaluating site closure options, and preparation of associated reports.

Examples of work to be performed under this contract include but are not limited to:

1. Review existing and historical site records, prior assessment and cleanup activities, program expenditures and eligibility status and prepare a site specific Health & Safety Plan.

2. Communicate with parties affected by and/or associated with the site.

3. Determine site logistics, negotiate and obtain offsite access agreements and obtain required permits and utility clearance for site assessment activities.
4. Install soil borings, temporary sampling points, and monitoring wells and conduct soil screening and field testing, including equipment calibration. Identify contaminant sources, potential receptors and exposure pathways.
5. Collect, preserve and ship air, water, soil, and sediment samples to laboratory for petroleum contaminant analysis, collect groundwater elevation data and conduct a professional land survey (PLS) and properly manage investigative derived waste (IDW), including removal, storage, treatment and disposal/recycling.
6. Conduct Indoor Vapor Intrusion (IVI) survey for sites with on-site buildings and/or sensitive receptors.
7. Provide technical oversight for field activities; including detailed field notes for work assigned under the contract.
8. Interpret laboratory report data, delineate contaminant plumes and prepare off-site contamination notification packages.
9. Prepare proposals and technical reports and deliverables, including necessary professional review and certification and certify site assessment documents by a Florida registered Professional Geologist (P.G.) or qualified Florida registered Professional Engineer (P.E.) and evaluate sites for closure criteria.
10. Prepare and submit invoices for completed work in accordance with the contract.
11. Provide technical assistance or expert witness services pursuant to the contract.

B. Remedial Options and Design: The Contractor will perform all aspects of evaluation and design for remedial action options in accordance with applicable rules and guidance of the DEP and other government entities. The Contractor will identify appropriate cost-effective remedial options ranging from conditional closure to natural attenuation monitoring, source removal, chemical injection, bioremediation, in-situ and ex-situ treatment, post remediation monitoring and site closure. The Contractor will conduct feasibility/pilot tests, utilize fate and transport modeling for contaminants, evaluate available risk management options, and prepare remedial action plans and designs, with analysis of potential treatment options, objectives, cleanup strategies, implementation feasibility, cost estimates, cleanup milestones, and cleanup logistics, schedules and timeframes.

Examples of work to be performed under this contract include but are not limited to:

1. Prepare natural attenuation monitoring plans.
2. Prepare and implement pilot test plans and pilot tests for selected technologies and prepare pilot test reports.
3. Prepare remedial action plans and modifications, including remedial alternative evaluations and designs and prepare construction drawings and specifications.
4. Facilitate UIC and NPDES permits and compliance with associated requirements.
5. Establish cleanup milestones, milestone schedules and monitoring plans during remedial action.
6. Identify and evaluate potential contamination receptors and exposure pathways, conduct risk assessments and/or fate and transport modeling and develop site specific alternative cleanup target levels (CTLs) for soil and groundwater.
7. Evaluate closure options that may or may not incorporate engineering and/or institutional controls as provided under Risk Management Options Levels I, II and III of Chapter 62-780, F.A.C.

8. Certify level 2 natural attenuation plan, pilot test and remedial action plan documents by a Florida registered P.E.

9. Propose No Further Action with or without conditions based on assessment data.

C. **Remedial Action Implementation:** The Contractor will perform all aspects of the remedial action implementation in accordance with applicable rules and guidance of the DEP and other government entities, and in accordance to the approved Natural Attenuation Monitoring Plan or Remedial Action Plan (RAP); including general coordination and communication during the project; research, evaluation and logistics regarding groundwater monitoring, free product recovery, soil source removal and/or performance of system operation and maintenance, monitoring of the effectiveness of system and necessity for RAP modification, evaluation of site closure options, post remediation monitoring and preparation of associated reports. **NOTE:** Under certain conditions, source removal consisting of limited scope free product recovery and contaminated soil removal and treatment or disposal are allowed prior to completion of a complete site assessment and/or formal RAP.

Examples of work to be performed under this contract include but are not limited to:

1. Review existing site data, in conjunction with adjacent or nearby sites, and identify data gaps.

2. Perform natural attenuation monitoring in accordance with approved NAM plans

3. Plan and evaluate logistics for remedial action implementation activities, acquire required permits and utility clearance for remedial activities, implement necessary traffic, safety and erosion control and establish required utility services.

4. Communicate with parties affected by and/or associated with the remedial action construction for the site and negotiate offsite access and execute access agreements.

5. Conduct free product recovery and disposal, soil source removal, including surface pavement/concrete removal, dewatering, transport and disposal, backfill and compaction, and perform storage system removal integral to site rehabilitation.

6. Perform below ground remediation system installation, including recovery/treatment well installation, trenching, plumbing and electrical conduit installation, testing, backfill, compaction and resurfacing, and perform above ground system installation, including installation of equipment, control panel, and telemetry, and plumbing and electric connections to equipment and recovery/treatment points.

7. Conduct system start-up monitoring activities to ensure that the remediation system is activated properly; provide system installation reports including as-built drawings for the remediation system.

8. Operate, monitor, and maintain remediation systems and equipment; monitor, evaluate and optimize system performance, collect, preserve and ship air, water, soil, and sediment samples to document petroleum contaminant levels and system progress and collect groundwater elevation data.

9. Prepare and review source removal, system startup and system operation status reports; including water level data, operational parameters and concentrations of applicable petroleum contaminants of concern, and evaluate sites for system shut-down and post remediation monitoring criteria.

10. Provide technical oversight for field activities; including detailed field notes and properly manage investigative derived waste (IDW) and construction related waste, including removal, storage, treatment and disposal/recycling.

11. Perform post active remediation monitoring and evaluate sites for closure criteria and Risk Management Options.

12. Prepare proposals, off-site contamination notification packages, technical reports and deliverables, including necessary professional review and certification.

13. Prepare and submit invoices for completed work in accordance with the contract.
14. Provide technical assistance or expert witness services pursuant to the contract.

D. Site Closure: The Contractor will perform all aspects of site closure in accordance with applicable rules and guidance of the DEP and other government entities. The Contractor is expected to make professional recommendations for a No Further Action closure according to the applicable criteria for Risk Management Options Level I, II, and III in Chapter 62-780, F.A.C. The Contractor will also provide technical details and professional recommendations to support proposed institutional and/or engineering controls. Lastly, the Contractor will facilitate the grouting and abandonment of all borings and wells, draining and capping of all subsurface system conduits, removal of equipment and equipment compounds and other activities associated with returning the site as near as practicable to the conditions that preceded remedial action.

Examples of work to be performed under this contract include but are not limited to:

1. Prepare no further action with conditions packages with supporting documentation, perform or oversee professional land surveys required to reflect engineering and/or institutional controls and assist in the preparation and filing of required deed restrictions and/or notices.
2. Provide P.E. certification of sufficiency of engineering control along with monitoring and maintenance recommendations, and design and install engineering controls.
3. Perform remediation system decommissioning, removal and transfer or disposal and perform proper abandonment of monitoring wells, treatment wells, treatment system conduits and vaults.
4. Perform general site restoration as close as practicable to conditions that preceded remedial action.
5. Prepare Site Rehabilitation Completion and well abandonment reports.

The DEP reserves the right to task the Contractor to perform services that are deemed necessary by the DEP to be performed, which are related to the services outlined herein, but which are not specifically set out herein.

IV. Reporting Requirements

Where required and authorized by Chapters 471 and 492 of the Florida Statutes, applicable portions of required documents, which are submitted to the DEP for public record shall be signed and sealed by the appropriate professional(s) who prepared them. All reports must be submitted to DEP in accordance with the requirements in Chapter 62-780, F.A.C., the "Technical Report and Deliverable Related Time Frames" table in Appendix I, applicable DEP guidance, and comply with the DWM Policy on Professional Certification of Technical Documents dated March 31, 2000, if applicable.

The Contractor may be required to submit multiple reports as a result of work described herein. These reports may be in standard format(s) to be provided by the DEP. All reports and data shall be delivered in both physical printed form and as electronic data retrievable from e-mail attachments or computer disks (CDs preferred). Map data and engineering drawings shall be in a format compatible with AutoCAD. Report materials shall be in machine readable and retrievable form, and composed in a word processor program, which requires no more than an IBM or IBM-compatible personal computer. Microsoft Word and Excel are the software programs currently in use by the DEP. The Contractor shall supply its reports using one, or some combination of, these software, or in a software format which the DEP can readily convert for retrieval and reading, and/or in other software which the DEP may adopt for use during the period of this contract. The DEP reserves the right to require all selected contractor(s) to use a single, specified format for data management and project tracking.

V. Technical Specifications

A. Points of Clarification

1. All work must be completed in accordance with the applicable Laws, Administrative Rules, and DEP Guidance. See Laws and Regulatory Specifications in the Scope of Work Appendix I, including the Table of DEP Guidance Documents and Forms in section A. All references to specific laws rules and guidance apply to future revisions and additions for which notice will be provided as applicable.

2. **Approximately 99% of all internal and external communication regarding the work should be considered routine.** Routine Communication is defined as any telephone, email, or personal communication that can reasonably be expected to be necessary in order to complete the scope of work, including but not limited to the communication from the Contractor to DEP regarding notification of activities, requests for information, updates on work status, and changes in the scope of work; communications among the Contractor staff, team members, and subcontractors regarding the work and reasonably anticipated problems or concerns; and Contractor notifications to site owners, operators, and tenants regarding planned work (excluding obtaining access).

3. Pay items listed in these specifications are fully-loaded rates that include all routine communication, labor, materials, equipment, administration, and invoice preparation costs. The Contractor is prohibited from charging additional labor hours for preparation of invoices, task assignment and task assignment amendment proposals, work plans, and routine communication. Task assignment and task assignment amendment proposals shall follow the "Proposal Process" described in the Scope of Work Appendix I.

4. Costs associated with obtaining necessary permits and utility clearance to complete a specified pay item are included in the fully-loaded pay item. However, any associated fees will be reimbursed with the Reimbursable pay item based on the actual permit issuer invoice.

5. Travel is **NOT** included in fully-loaded pay items, unless otherwise specified. Non-pilot testing remedial action packaged work scopes do specify that mobilization is included. Where not specified as included, Contractor and Subcontractor travel will be paid with the applicable Mobilization pay items.

   Meals and lodging are **NOT** included in fully-loaded pay items, unless otherwise specified. Non-pilot testing remedial action packaged work scopes do specify Per Diem is included. Where not specified as included, meals and lodging will only be paid when an overnight stay is REQUIRED with the Per Diem pay item at the current State Per Diem Rate prorated in quarter day increments (6 hrs) within each 24 hour day under travel status pursuant to Section 112.061, F.S. However, in cases involving Contractor travel for specific meetings or legal proceedings required by the DEP, hotel and subsistence (meals) may be paid in accordance with section 112.061, F.S., rather than per diem.

6. Supporting documentation for all charges must be maintained by the Contractor and made available to the DEP upon request in accordance with Contract requirements.

7. The Contractor shall perform groundwater sampling in accordance with the most recent version of the DEP Quality Assurance Groundwater Sampling Standard Operating Procedures (DEP-SOP-001/01, FS 2200 Groundwater Sampling) referenced in the Quality Assurance Rule, Chapter 62-160, F.A.C., BPSS Procedure PCS-005, Groundwater Sampling Procedures Variances and Clarifications for Bureau of Petroleum Storage System Sites.

8. The Contractor shall ensure that all water well installation, repair and abandonment activities under this contract are performed by a licensed Florida Water Well Contractor in accordance with Chapter 62-531,

F.A.C., and conform with the permitting and construction requirements of Section 373.326, F.S., Chapter 62-532, F.A.C., and applicable DEP guidance.

9. The Contractor shall maintain detailed field notes for all site activities in accordance with the April 25, 2012 BPSS Field Notes Guidance Document and provide copies of the notes with their deliverables and/or reports as directed.

10. With prior written DEP approval, the Contractor may purchase goods and services not covered by the Contract fixed price schedule as directed by DEP Project Manager, provided they strictly adhere to state procurement laws and federal requirements for federally funded projects. All goods and services purchases must be accompanied by the necessary documentation to ensure the best value for the State.

11. Prices for goods and services not covered by the Contract fixed price schedule shall be established such that the DEP obtains reasonable prices from vendors and subcontractors of demonstrated competence and qualification. Records supporting procurement of these goods and services must contain sufficient detail to demonstrate that the Contractor meets DEP requirements in obtaining price quotations or proposals for said goods and services. The DEP and state auditors shall have access to these records at all reasonable times for the purpose of review, inspections, audits, and copying during normal business hours.

    a. For purchases whose aggregate value is $2,500.00 or less, a single written quotation or proposal is required (electronic copies accepted). The price should be considered to be "fair and reasonable" by the Contractor and the DEP Project Manager. At the discretion of the DEP Project Manager, the Contractor may be directed to obtain additional quotations.

    b. For purchases above $2,500.00, the Contractor, wherever possible, must obtain a minimum of three (3) responsive quotes or proposals, and select the one that best represents a reasonable price from a vendor of demonstrated competence and qualifications. The solicitation for quotes or proposals should specify the factors that will be used to determine demonstrated competence and qualifications. The Contractor shall also include in their solicitation instructions for the subcontractor or vendor to send a copy of the written quotation or proposal to the DEP Project Manager concurrent with their copy to the Contractor (electronic copies accepted).

12. Reimbursable items shall be paid according to the actual receipts for actual costs incurred, markups or handling fees shall not be allowed.

13. The Contractor shall mobilize equipment and personnel from locations that provide the best value for the State.

14. For services provided by subcontractors that are not part of the team identified by the Contractor to perform the scopes of work identified in the Pay Item Schedule, unless otherwise directed by the DEP, the Contractor shall make every effort to procure subcontractor services local to the site. If local subcontractors are not available, the Contractor shall make every effort to procure subcontractor services closest to the site.

15. Unless otherwise specified, "Per Day" costs are for a twenty-four (24)-hour day. "Per Week" costs are for seven (7) consecutive days. "Per Month" costs are for thirty (30) consecutive days. "Per Week" rates shall be applied when they are less expensive than the appropriate number of "Per Day" rates. "Per Month" rates shall be applied when they are less expensive than the appropriate number of "Per Week" and "Per Day" rates.

16. Other than pre-existing State-owned equipment and approved replacement parts associated therewith, all remediation systems must be provided at unit costs for time used and shall not be purchased by the State or expenses under this contract. Pay schedule items for combined equipment and operation packaged work scopes have been established for the most commonly used remediation systems for daily and weekly time periods, and separate pay schedule items for remediation system use only have been established for short term monthly (≤ 6 mos.) and long term monthly (>6 mos.) time periods, with optional additions for carbon treatment and off-gas treatment (i.e. thermal/catalytic oxidizers). All equipment must be provided in good working order, and any repair or replacement necessitated by equipment breakdown or failure shall be accomplished in a timely manner. Equipment repairs or parts replacement are the responsibility of the Contractor. Furthermore, the Contractor shall not bill for costs associated with any downtime or costs associated with the replacement of equipment or materials (e.g., mobilization costs, labor, equipment costs and shipping).

    There are exceptions when pre-existing State-owned equipment is being used. Initial repairs, replacement of parts and components or modifications to pre-existing State-owned equipment will be paid at the DEP's discretion if deemed to be cost effective following all State property rules and guidelines pertaining to capitalization, transfer, tracking and surplus. Specific purchased replacement equipment is expected to be covered under warranty from the equipment manufacturer and shall not be subject to billing by the Contractor for costs associated with any downtime or costs associated with the replacement of equipment or materials (e.g., mobilization costs, labor, equipment costs and shipping) for a period of one year.

17. The operation and maintenance of remediation systems on a monthly basis, whether they be provided by the Contractor at unit costs for time used or pre-existing State-owned equipment, is covered by a series of all inclusive fixed unit prices that cover all of the costs to operate, monitor and maintain the remedial system. Exception is made for major repairs and replacement components required for pre-existing State-owned equipment that are not covered by manufacturer's warranty. Such expenses must be preapproved by the DEP after consideration of cost effectiveness.

18. Each remediation system, whether part of a packaged work scope, equipment only provided by the Contractor at unit costs for time used or pre-existing State-owned, shall have a minimum operational runtime of 80% of the approved design runtime based on clock meter readings for each major component. The DEP will <u>not pay full cost</u> for system use the operation and maintenance of systems that <u>do not perform</u>. For system runtimes of less than 80% of the approved design runtime for all major components during the pay schedule item time frame, the applicable pay schedule items will be invoiced at the amount equal to the percentage runtime using the following method: multiply the full pay schedule item amount times the actual runtime percentage = invoice amount (e.g., if runtime is 75%, and the approved design runtime is 100%, only 75% of the full pay schedule item amount will be paid).

19. In accordance with the General Conditions of this Contract, the Contractor shall prepare a site-specific health and safety plan for all sites. A copy of the plan must be retained onsite and available for DEP inspection.

20. All pay schedule items listed shall include the cost of Level D personal protective equipment (PPE) worn at the site. Level D PPE includes steel-toed boots, hard hat, safety glasses (or goggles), gloves, and any other equipment necessary to comply with OSHA Level D hazard classification per 29 CFR 1910.120. If Contractor personnel require PPE greater than Level D, the DEP may authorize reimbursement through the Reimbursable pay item.

21. All reports shall be submitted to the DEP in accordance with the Contractor Technical Report and

Deliverable Related Time Frames in the Appendix I, unless otherwise specified. Reports shall include a description of the activities completed, evaluation of the data provided, deviations from task assignment requirements, and recommendations for additional work needed to move the site toward closure.

Report submittals shall consist of one (1) final report hard copy and one (1) final report digital copy. Digital data shall be submitted as an e-mail attachment if within size limitations, or on compact disk (CD) if too large, compatible with Microsoft Word/Excel™ for a Microsoft Windows™ configured computer. Data shall also be made available electronically to other DEP Contractors at the request of the DEP Project Manager.

22. Personnel provided under the Contract, whether covered by the pay schedule items or subject to negotiation (for professional engineering services) shall be based on the Contract Descriptions of DEP Labor Categories and **Key** personnel in the Appendix I. In addition, the Contractor must provide notification to the DEP Contract Manager of any changes in the **Key** personnel identified in their response to the solicitation and/or upon execution of a contract with the DEP. Such notification shall include a detailed reason(s) for the need to change personnel and the Contractor shall provide replacement personnel with equal or greater qualifications and experience.

23. For site access, Contractors shall use the DEP sample site access agreement for State cleanup contractors dated March 2, 2012, or incorporate the same provisions into their own agreement.

B. Schedule of Pay Items

1. **OFFICE ACTIVITIES:** The following pay items will be used for non-report related office activities. Travel/mobilization is generally not allowed for these activities.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Communication, Reproduction and Mailing costs.
c. If applicable, submittal of one (1) final document hard copy, and one (1) final document digital copy.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Travel related costs, generally not approved for office activities.

1-1. File Review: [Per Review]. This pay item is allowed only when a site is new to an assigned Contractor. It may be allowed prior to issuance of the Task Assignment but the Contractor must secure prior permission to do so. Travel time for "File Review" is not allowed.

1-2. Site Health & Safety Plan: [Per Site]. This pay item is for the preparation of a comprehensive standard petroleum site Health and Safety Plan. Allow once per site per CONTRACTOR.

1-3. Notice of Discovery of Contamination Package (Initial or TPOC): [Per Package]. This pay item is to prepare either the information package for the Initial Notice of Contamination Beyond Property Boundaries or the actual notices for the proposed establishment of a Temporary Point of Compliance (TPOC) beyond Property Boundaries in accordance with published DEP rules, guidance and procedures. It includes completion of the Initial Notice of Contamination Beyond Property Boundaries in Rule 62-780.900, Contamination Notification Data Tables (for initial noticing packages) and copies of existing contaminant plume maps. Multiple iterations of this pay item may be allowed as the site

assessment progresses when the rule requires initial notification within 10 days of discovery. However, only one pay item shall be allowed for initial notice package to address suspected "off-site" properties based on the signed and sealed plume map in a technical report and only one pay item shall be allowed for the TPOC notices prior to RAP or NAM Plan approval.

1-4. Permit Fees: [Reimbursable]. Actual permit fee invoice from permit issuer required. Cost to obtain permit is included in applicable pay items.

NOTE: Underground injection wells, including air sparge wells, are exempt from Water Management District permit fees pursuant to Chapter 373, F.S., and are permitted by the DEP technical approval order. Where such exemptions exist, permit fees are not required and will not be reimbursable under this contract.

1-5. Off-Site Property Access Agreement: [Per Access Agreement]. Must use DEP access agreement format.

1-6. Project Specific Financial Guarantee Bond (if required by DEP): [Reimbursable].

2. FIELD ACTIVITIES – GENERAL: The following pay items will be used for general field activities.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Collection of field measurements by a qualified Technical Specialist or Field Technician familiar with surveying techniques.
c. Costs to incorporate collected data in the appropriate tables, maps, and cross-sections in any subsequent site reports.
d. Sample shipping.
e. Communication, Reproduction and Mailing costs.
f. Submittal of one (1) final report hard copy, and one (1) final report digital copy.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of personnel and equipment to and from site (Use Mobilization pay item).
b. Sample collection (Use Sample Collection pay item).
c. Well Gauging (Use Well Gauging pay item).
d. Well installation (Use Well Installation pay item).
e. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).
f. Securing property Access Agreements (Use Off-Site Property Access Agreement pay item).
g. Reports (Use Reports pay item).

2-1. Site Reconnaissance/Field Measurement Visit: [Per Visit]. This pay item is for new sites to collect basic site information necessary to develop a detailed scope of work for site assessment, including the layout of the site and topography, structures, storage systems, existing compliance or monitoring wells, utility lines, access logistics, traffic patterns, adjacent property use, potential contaminant sources, measure field points, including but not limited to building corners, manholes, and the top-of-casing elevations for previously installed wells, to a precision of 0.01-feet vertical relative to a common datum or benchmark within 1,000 feet. Gauging of existing monitoring wells is typically conducted concurrent with this visit.

2-2. Receptor Survey and Exposure Pathway Identification: [Per Survey]. This pay item is to identify

potential receptors and exposure pathways for site risk determination. The survey will include a water well records search to identify all recorded water wells within a 0.5-mile radius and ordinances or other circumstances that prevent or influence future water wells. The survey will also include a records search including a DEP file review and a 500-foot field receptor survey performed by a qualified Technical Specialist to identify other receptors and exposure pathways, including unrecorded water wells, surface water bodies, underground utilities, buildings and confined spaces, sensitive or protected habitats, off-source site property impacts, current land use and zoning information and other potential receptor risk factors. Lastly, this pay item does not include, but does require a specific report, including photographic documentation using the July 1, 2013 DEP Draft Receptor Survey and Exposure Pathway Identification Form and required attachments. The report may be submitted either as a stand-alone report or as an additional component of another report such as the Site Assessment Report. See Reports pay item for associated report.

2-3. Professional Land Survey: [Reimbursable]. To be performed by Florida licensed professional land surveyor. Includes survey plat, field notes showing site boundaries and easements, legal description, and metes and bounds description. Digital CAD data and Adobe Acrobat™ PDF file of the plat shall be submitted electronically as an e-mail attachment. Actual PLS invoice required.

2-4. Contractor Oversight for Non-Price Schedule Activities: [Per Day]. This pay item represents one 10 hour day of Contractor Oversight of field activities not covered by the fixed cost schedule and is to be prorated to the nearest 1/10 day (1 hour) based on actual time spent on-site (e.g. 6 hours = 0.6 days and 12 hours = 1.2 days).

3. **MOBILIZATION:** The following pay items are for transportation of all personnel and equipment to and from the site associated with activities included in the price schedule, unless mobilization is specifically included in a pay item (i.e. non-pilot testing remedial action packaged scopes). Mobilization for procured goods and services (vendors and subcontractors) not covered by the fixed price schedule should be included in the Reimbursable vendor and subcontractor costs. Mobilization is generally limited to once per field event, but for long term projects may be allowed for work crews not more frequently than once per week (7 days).

Unless otherwise specified, the following pay items **INCLUDE**:

a. Field personnel and equipment operators.
b. Fuel, oil, maintenance and repairs.
c. Road/bridge tolls and fees.
d. All other costs associated with operating a vehicle/trailer and mobilizing to and from site.

3-1. Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - ≤ 100 miles each way: [Per Round Trip].

3-2. Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way: [Per Round Trip].

3-3. Heavy Duty/Stakebed Truck (3/4 ton +) - ≤ 100 miles each way: [Per Round Trip].

3-4. Heavy Duty/Stakebed Truck (3/4 ton +) - > 100 miles each way: [Per Round Trip].

3-5. Work Trailer - ≤ 100 miles each way: [Per Round Trip].

3-6. Work Trailer - > 100 miles each way: [Per Round Trip].

3-7. DPT Rig Mobilization - ≤ 100 miles each way: [Per Round Trip].

3-8. DPT Rig Mobilization - > 100 miles each way: [Per Round Trip].

3-9. Drill Rig Mobilization - ≤ 100 miles each way: [Per Round Trip].

3-10. Drill Rig Mobilization - > 100 miles each way: [Per Round Trip].

3-11. Excavator Mobilization - ≤ 100 miles each way: [Per Round Trip].

3-12. Excavator Mobilization - > 100 miles each way: [Per Round Trip].

3-13. LDA Rig Mobilization - ≤ 100 miles each way: [Per Round Trip].

3-14. LDA Rig Mobilization - > 100 miles each way: [Per Round Trip].

3-15. Loader/Backhoe Mobilization - ≤ 100 miles each way: [Per Round Trip].

3-16. Loader/Backhoe Mobilization - > 100 miles each way: [Per Round Trip].

3-17. Mini Excavator/Loader (Bobcat™) Mobilization - ≤ 100 miles each way: [Per Round Trip].

3-18. Mini Excavator/Loader (Bobcat™) Mobilization - > 100 miles each way: [Per Round Trip].

4. MEALS AND LODGING: This pay item is for personnel traveling and working away from their home office for more than one consecutive day in association with activities included in the price schedule and will be paid at the current State Per Diem rate prorated in quarter day increments (6 hrs) within each 24 hour day under travel status pursuant to Section 112.061, F.S. Per Diem associated with procured services (subcontractors) not covered by the fixed price schedule should be included in the Reimbursable subcontractor costs.

4-1. Per Diem – For travel > 1 Consecutive day (prorated in quarter day increments): [Per Person, Per Day].

5. DRILLING AND BORING: The following pay items will be used for drilling and logging of soil borings, split spoon sampling and screening of soil samples with an OVA. Drilling methodology and ancillary equipment shall be appropriate for site-specific conditions. Inside boring diameter shall be appropriate to allow for proper installation of designated diameter well.

NOTE: Underground injection wells, including air sparge wells, are exempt from Water Management District permit fees pursuant to Chapter 373, F.S., and are permitted by the DEP technical approval order. Where such exemptions exist, permit fees are not required and will not be reimbursable under this contract.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Labor costs for a State of Florida licensed water well contractor.
c. Acquisition of all required permits, excluding actual permit fee (If applicable, see Note above).
d. Marking well locations and providing utility clearance prior to drill rig mobilization.
e. Concrete coring, if required.
f. Field screening of split spoon samples of the soil column conducted by headspace techniques with a properly calibrated Organic Vapor Analyzer appropriate for the contaminants at the site.

g. Cuttings retrieved at the surface shall be continuously examined to develop lithologic logs that include screening data.
h. Grout sealing boreholes that are not converted into a well.
i. Containers other than disposal drums for storage of cuttings, drilling fluids, waste, and wastewater.
j. Preparation and submittal of soil-boring logs.
k. For Cone Penetrometer Test (CPT) and Membrane Interface Probe (MIP), a brief narrative/summary report documenting the field activities and a complete copy of all print-out records of test readings (real-time data).

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Field oversight and soil-boring logging by a Florida registered P.G. (Use negotiated costs).
b. Actual permit fees (If applicable, see Note above, use Reimbursable pay item).
c. Split Spoon sampling at specified intervals for specified borings (Use Split Spoon Pay Item).
d. Soil Sample collection (Use Sample Collection pay item).
e. Well installation (Use Well Installation pay item).
f. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).
g. Reporting (Use Reports pay item).
h. Securing property Access Agreements (Use Off-Site Property Access Agreement pay item).
i. Drums for disposal of waste (included in per drum disposal pay items).

5-1.a. Split Spoon Sampling – 2 foot (during boring): [Per Spoon].

5-1.b. Sonic Core Sampling – 5 or 10 foot (during boring): [Per Core].

5-1.c. DPT Core Sampling – 4 or 5 foot (during boring): [Per Core].

5-2. Hand Auger Boring ≤ 10 foot total depth: [Per Boring].

5-3. Direct Push Boring: [Per Foot].

5-4. Direct Push Boring with Cone Penetrometer Test (CPT) Probe: [Per Foot].

5-5. Direct Push Boring with Membrane Interface Probe (MIP): [Per Foot]. Equipped with PID and ECD.

5-6. HSA or MR Boring ≤ 6 inch diameter; < 50 foot total depth: [Per Foot].

5-7. HSA or MR Boring ≤ 6 inch diameter; 50 to 100 foot total depth: [Per Foot].

5-8. HSA or MR Boring ≤ 6 inch diameter; > 100 foot total depth: [Per Foot].

5-9. HSA or MR Boring > 6 inch to 10 inches diameter; < 50 foot total depth: [Per Foot].

5-10. HSA or MR Boring > 6 inch to 10 inches diameter; 50 to 100 foot total depth: [Per Foot].

5-11. HSA or MR Boring > 6 inch to 10 inches diameter; > 100 foot total depth: [Per Foot].

5-12. HSA or MR Boring > 10 to 14 inch diameter; < 50 foot total depth: [Per Foot].

5-13. HSA or MR Boring > 10 to 14 inch diameter; 50 to 100 foot total depth: [Per Foot].

5-14. HSA or MR Boring > 10 to 14 inch diameter; > 100 foot total depth: [Per Foot].

5-15. Sonic Boring ≤ 6 inch diameter; < 50 foot total depth: [Per Foot].

5-16. Sonic Boring ≤ 6 inch diameter; 50 to 100 foot total depth: [Per Foot].

5-17. Sonic Boring ≤ 6 inch diameter; > 100 foot total depth: [Per Foot].

5-18. Sonic Boring > 6 inch to 10 inches diameter; < 50 foot total depth: [Per Foot].

5-19. Sonic Boring > 6 inch to 10 inches diameter; 50 to 100 foot total depth: [Per Foot].

5-20. Sonic Boring > 6 inch to 10 inches diameter; > 100 foot total depth: [Per Foot].

5-21. Sonic Boring > 10 to 14 inch diameter; < 50 foot total depth: [Per Foot].

5-22. Sonic Boring > 10 to 14 inch diameter; 50 to 100 foot total depth: [Per Foot].

5-23. Sonic Boring > 10 to 14 inch diameter; > 100 foot total depth: [Per Foot].

6. **WELL INSTALLATION:** The following pay items will be used to CONVERT a soil boring into a well. These pay item costs do NOT include the cost of drilling of the borehole which is covered under the Drilling and Boring pay items. All wells will be authorized by the DEP and shall be constructed in accordance with the Petroleum Restoration Program procedure PCS-006, Design, Installation, and Placement of Monitoring Wells and other applicable guidance.

NOTE: Underground injection wells, including air sparge wells, are exempt from Water Management District permit fees pursuant to Chapter 373, F.S., and are permitted by the DEP technical approval order. Where such exemptions exist, permit fees are not required and will not be reimbursable under this contract.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Labor costs for a State of Florida licensed water well contractor.
c. Acquisition of all required permits, excluding actual permit fee (If applicable, see Note above).
d. Conversion of boring into a well of the specified diameter using Schedule 40 PVC screen and riser/casing. Well screen up to 20 feet.
e. Proper installation and completion at-grade of well, including end cap, annular seal (gravel pack, bentonite, grout), locking cap, and any other materials required.
f. Proper development of the well.
g. Field measurement of top-of-casing elevation to a precision of 0.01-feet vertical relative to a common datum or benchmark within 1,000 feet.
h. Preparation and submittal of well construction and development logs.
i. Notifications and reports required by federal, state or local entities, including distribution of required documentation.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Field oversight by a Florida registered P.G. (Use negotiated costs).
b. Actual permit fees (If applicable, see Note above, use Reimbursable pay item).

c. Drilling of borehole (Use Drilling and Boring pay item).
d. Installation of Well Vault, if justified (Use Well Vault pay item).
e. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).
f. DEP Reporting (Use Reports pay item).

6-1. Well Installation - 1 inch diameter: [Per Foot].

6-2. Well Installation - 2 inch diameter: [Per Foot].

6-3. Well Installation - 4 inch diameter: [Per Foot].

6-4. Well Installation - 6 inch diameter: [Per Foot].

6-5. Surface Casing - 6 inch diameter: [Per Foot].

6-6. Surface Casing - 8 inch diameter: [Per Foot].

6-7. Surface Casing - 10 inch diameter: [Per Foot].

6-8. Surface Casing - 12 inch diameter: [Per Foot].

6-9.a. Additional Well Screen > 20 feet – 1 inch diameter: [Per Foot].

6-9.b. Additional Well Screen > 20 feet – 2 inch diameter: [Per Foot].

6-9.c. Additional Well Screen > 20 feet – 4inch diameter: [Per Foot].

6-9.d. Additional Well Screen > 20 feet – 6 inch diameter: [Per Foot].

6-10. Above Grade Well Completion: [Per Well]. This pay item includes all equipment, material, and labor for above-grade well completions up to 3.5 feet above ground and at least 2 feet above potential flood level, including protective steel casing, locking cover, and three protective bollards placed around the completion.

6-11. Installation of Well Vault – 2 x 2 x 2 foot: [Per Vault]. This pay item includes all equipment, material, and labor to excavate and install a well vault 2 foot by 2 foot by 2 foot in size, with at least 2 inches of 2500 psi concrete for vault walls and floor, and a water-resistant traffic rated cover plate.

6-12. Installation of Well Vault – 4 x 4 x 2 foot: [Per Vault]. This pay item includes all equipment, material, and labor to excavate and install a well vault 4 foot by 4 foot by 2 foot in size, with at least 2 inches of 2500 psi concrete for vault walls and floor, and a water-resistant traffic rated cover plate.

7. WELL ABANDONMENT: The following pay items are to grout and abandon wells. All wells shall be abandoned in accordance with the BPSS procedure PCS-006, Design, Installation, and Placement of Monitoring Wells, DEP Rules 62-532.500(4), F.A.C., and Water Management District permit requirements.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Labor costs for a State of Florida licensed water well contractor.

c. Field oversight by a qualified Field Technician.
d. Removal and disposal of well casing and concrete pad.
e. Grout sealing of the well bore.
f. Removal and disposal of well vault with backfill and compaction of void.
g. Resurface area to match original material (e.g. pavement, concrete, sod, etc.).
h. Completion and submittal of all necessary paperwork and notification required by well permit, including the State of Florida Well Completion Report.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Well Abandonment/Site Restoration Report (Use Reports pay item).

7-1. Grout and Abandon Well, 1 to 2 inch diameter: [Per Foot].

7-2. Grout and Abandon Well, > 2 to 4 inch diameter: [Per Foot].

7-3. Grout and Abandon Well > 4 to 6 inch diameter: [Per Foot].

7-4. Grout and Abandon Well > 6 inch diameter: [Per Foot].

7-5. Removal of Well Vault – 2 x 2 x 2 foot: [Per Vault].

7-6. Removal of Well Vault – 4 x 4 x 2 foot: [Per Vault].

8. SAMPLE COLLECTION AND FIELD TESTING: The following pay items are for collection of samples and specified field testing. Groundwater sampling shall be in accordance with DEP Quality Assurance Groundwater Sampling Standard Operating Procedures (DEP-SOP-001/01, FS 2200 Groundwater Sampling) referenced in the Quality Assurance Rule, Chapter 62-160, F.A.C., and BPSS Procedure PCS-005, Groundwater Sampling Procedures Variances and Clarifications for Bureau of Petroleum Storage System Sites. Soil sampling shall be in accordance with DEP Quality Assurance General Sampling Procedures (DEP-SOP-001/01 FS 1000) referenced in the Quality Assurance Rule, Chapter 62-160, F.A.C., and BPSS Procedure PCS-004, Soil Sampling.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Collection and preparation of samples by a qualified Field Technician for specified field test or shipment to laboratory for analysis.
c. Shipping of samples to laboratory.
d. Field Testing per specified pay item.
e. Storage of recovered product prior to disposal.
f. Field notes, chains-of-custody, and other appropriate sampling documentation.
g. Collection of a sample for multiple laboratory and/or field analyses, split samples, and QA/QC samples.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Laboratory analysis (Use Laboratory Analysis pay item).
b. Product Disposal (Use Debris, Waste and Product Removal and Disposal pay item).

8-1. Monitoring Well Sampling with Water Level, ≤ 100 foot depth: [Per Well].

8-2. Monitoring Well Sampling with Water Level, > 100 foot depth: [Per Well].

8-3. Domestic Water Well Sampling: [Per Well].

8-4. Other Water Sampling: [Per Sample]. Surface water, tap water, etc.

8-5. Free Product Sample Collection: [Per Sample].

8-6. Soil/Sediment Sample Collection: [Per Sample].

8-7. Water Level/Free Product Gauging: [Per Well]. Includes depth to water, depth to product, and product thickness. Measurements shall be made to the nearest 0.01 foot.

8-8. Free Product Gauging and Bailing: [Per Well]. Includes depth to product and product thickness. Measurements shall be made to the nearest 0.01 foot.

8-9. Vapor/Ambient Air Sample Collection – Passive Dosimeter, Sorbent Tube, Tedlar™ Bag: [Per Sample].

8-10. Vapor/Ambient Air Sample Collection – SUMMA™ Canister (or equivalent): [Per Sample].

9. LABORATORY ANALYSIS: The following pay items are to provide laboratory analyses performed in accordance with the requirements set forth in Chapter 62-160, Florida Administrative Code (F.A.C.). In addition all laboratories must hold certification from the Department of Health (DOH) Environmental Laboratory Certification Program (ELCP) using standards established by the National Environmental Laboratory Accreditation Conference (NELAP) as specified in Ch. 64E, F.A.C., for each matrix/test method/analyte combination. Certain exceptions apply and can be found in the February 17, 2007 Guidance Memo BPSS Enforcement of Laboratory NELAP Certification Requirements.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Labor costs for qualified laboratory personnel to perform analysis.
c. Up to fourteen (14) day turnaround time (begins when laboratory receives samples).
d. All QA/QC protocols.
e. Cost for extraction.
f. Laboratory reports.
g. Contractor data review.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Sample collection (Use Sample Collection pay item).
b. Technical reports in which lab data is addressed (Use Reports pay item)

A. SOIL/SEDIMENT ANALYSIS:

9-1. Soil, Used Oil/Unknown Product Group-Table D of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (Multiple Methods): [Per Sample].

9-2. Soil, BTEX + MTBE (EPA 8021 or EPA 8260): [Per Sample].

9-3. Soil, Volatile Organic Halocarbons (EPA 8021 or EPA 8260): [Per Sample].

9-4. Soil, BTEX + MTBE + VOHs (EPA 8021 or EPA 8260): [Per Sample].

9-5. Soil, Polycyclic Aromatic Hydrocarbons (EPA 8270 or EPA 8310): [Per Sample].

9-6. Soil, Priority Pollutant Volatile Organics (EPA 8260): [Per Sample].

9-7. Soil, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270]): [Per Sample].

9-8. Soil, Total Recoverable Petroleum Hydrocarbons (FL-PRO): [Per Sample].

9-9. Soil, PCBs [or Aroclors] (EPA 8082): [Per Sample].

9-10. Soil, 8 RCRA Metals (EPA 6010 or EPA 6020 [Arsenic, Barium, Cadmium, Chromium. Lead, Silver] and EPA 6020 or EPA 7471 [Mercury]): [Per Sample].

9-11. Soil, Arsenic (EPA 6010 or EPA 6020): [Per Sample].

9-12. Soil, Cadmium (EPA 6010 or EPA 6020): [Per Sample].

9-13. Soil, Chromium (EPA 6010 or EPA 6020): [Per Sample].

9-14. Soil, Lead (EPA 6010 or EPA 6020): [Per Sample].

9-15. Soil, Toxicity Characteristic Leaching Procedure-Extraction Only (EPA 1311): [Per Sample].

9-16. Soil, Synthetic Precipitation Leaching Procedure-Extraction Only (EPA1312): [Per Sample].

9-17. Soil, Organic Carbon, Total (EPA 9060 or Walkey-Black): [Per Sample].

9-18. Soil, Dry Bulk Density (ASTM D1556-07, ASTM D2167-08, ASTM D2922-01, -04, -04e, -96e1 or ASTM D2937-10): [Per Sample].

9-19. Soil, Moisture Content (ASTM D2216-10): [Per Sample].

9-20. Soil, Texture (See Gee + Bauder [1966]): [Per Sample].

9-21. Soil, GC/MS Full Scan, Alkanes, Isoalkanes, Cycloalkanes, Aromatics, Bicyclane, Sterane, and Terpane Biomarkers (ASTM D5739 High Resolution GC/MS): [Per sample].

9-22. Soil, Gasoline Hydrocarbon Composition, Gasoline PIANO (paraffins, isoparaffins, aromatics, naphthenes and olefins) (EPA 8260Mod, High Resolution GC/MS): [Per sample].

9-23. Soil, 5 Fuel Oxygenates, MTBE, DIPE, TAME, ETBE and TBA (EPA 8260Mod, High Resolution GC/MS): [Per sample].

9-24. Soil, C10-C40 Alkane Fingerprint, N-Alkanes and Isoalkanes (ASTM D3328 GC/MS): [Per sample].

B. WATER ANALYSIS:

9-25. Water, Gasoline/Kerosene Analytical Group-Table C of Ch. 62-780, F.A.C. (Multiple Methods): [Per Sample].

9-26. Water, Used Oil/Unknown Product Group-Table C of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (Multiple Methods): [Per Sample].

9-27. Water, BTEX + MTBE (EPA 602, EPA 624, EPA 8021 or EPA 8260): [Per Sample].

9-28. Water, Volatile Organic Halocarbons, except EDB (EPA 8021 or EPA 8260): [Per Sample].

9-29. Water, BTEX + MTBE + VOHs (EPA 601/602, EPA 624, EPA 6021 or EPA 8260): [Per Sample].

9-30. Water, Polycyclic Aromatic Hydrocarbons, including 1-methylnaphthalene + 2-methylnaphthalene (EPA 610 [HPLC], EPA 625, EPA 8270 or EPA 8310): [Per Sample].

9-31 Water, EDB [1,2-dibromoethane or ethylene dibromide] (EPA 504.1 or EPA 8011): [Per Sample].

9-32. Water, Priority Pollutant Volatile Organics [for NPDES purposes only] (EPA 624): [Per Sample].

9-33. Water, Priority Pollutant Volatile Organics (EPA 8260): [Per Sample].

9-34. Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables [for NPDES purposes only] (EPA 625 list [e.g., EPA 608 + EPA 625]): [Per Sample].

9-35. Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270 or EPA 608 + EPA 8270): [Per Sample].

9-36. Water, Total Recoverable Petroleum Hydrocarbons (FL-PRO): [Per Sample].

9-37. Water, PCBs [or Aroclors] (EPA 608 or EPA 8082): [Per Sample].

9-38. Water, Arsenic, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020): [Per Sample].

9-39. Water, Cadmium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020): [Per Sample].

9-40. Water, Chromium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020): [Per Sample].

9-41. Water, Lead, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020): [Per Sample].

9-42. Water, Mercury, Total (EPA 245.1, EPA 6020 or EPA 7470): [Per Sample].

9-43. Water, Calcium, Total (EPA 200.7, EPA 6010 or EPA 6020): [Per Sample].

9-44. Water, Iron, Total (EPA 200.7, EPA 6010 or EPA 6020): [Per Sample].

9-45. Water, Magnesium, Total (EPA 200.7, EPA 6010 or EPA 6020): [Per Sample].

9-46. Water, Manganese, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020): [Per Sample].

9-47. Water, Potassium, Total (EPA 200.7, EPA 6010 or EPA 6020): [Per Sample].

9-48. Water, Sodium, Total (EPA 200.7, EPA 6010 or EPA 6020): [Per Sample].

9-49. Water, Alkalinity [as CaCO3] (EPA 310.2 or SM 2320 B): [Per Sample].

9-50. Water, Ammonia [as N] (EPA 350.1, SM 4500-NH3 C, SM 4500-NH3 D, SM 4500-NH3 G or SM 4500-NH3 H): [Per Sample].

9-51 Water, Chloride (EPA 300.0, EPA 9056, EPA 9251, EPA 9053, SM 4500Cl B, SM 4500Cl C or SM 4500Cl E): [Per Sample].

9-52. Water, Hardness, Total [as CaCO3] (SM 2340 B or SM 2340 C): [Per Sample].

9-53. Water, Nitrate [as N] (EPA 300.0 or EPA 353.2): [Per Sample].

9-54. Water, Nitrate-Nitrite [as N] (EPA 300.0, EPA 353.2, SM 4500-NO3 E or SM 4500-NO3 F): [Per Sample].

9-55. Water, Nitrite [as N] (EPA 300.0, EPA 300.1, SM 4500-NO2 B or SM 4500-NO3 F): [Per Sample].

9-56. Water, Organic Carbon, Total (SM 5310 B, SM 5310 C or EPA 9060): [Per Sample].

9-57. Water, Orthophosphate [as P] (EPA 300.0, EPA 300.1, EPA 365.1, EPA 365.3, EPA 9056, SM 4500-PE or SM 4500-PF): [Per Sample].

9-58. Water, Residue-filterable [Total Dissolved Solids] (SM 2540 C): [Per Sample].

9-59. Water, Residue-nonfilterable [Total Suspended Solids] (SM 2540 D): [Per Sample].

9-60. Water, Sulfate (ASTM D516-02, ASTM D516-90, EPA 300.0, EPA 300.1, EPA 375.2, EPA 9038, EPA 9056 or SM 4500-SO4 C): [Per Sample].

9-61. Water, Heterotrophic Plate Count (SM 9215 B): [Per Sample].

9-62. Water, Acute Bioassay-96 Hour, Freshwater, Vertebrate/Invertebrate [Vertebrate: Pimephales promelas or Cyprinella leedsi/Invertebrate: Ceriodaphnia dubia] (EPA 2000.0/2002.0): [Per Sample].

9-63. Water, Acute Bioassay-96 Hour, Estuarine + Marine, Vertebrate/Invertebrate [Vertebrate: Menidia beryllina, Meridia menidia or Menida peninsulae/Invertebrate: Mysidopsis bahia] (EPA 2006.0/2007.0): [Per Sample].

9-64. Water, GC/MS Full Scan, Alkanes, Isoalkanes, Cycloalkanes, Aromatics, Bicyclane, Sterane, and Terpane Biomarkers (ASTM D5739 High Resolution GC/MS): [Per sample].

9-65. Water, Gasoline Hydrocarbon Composition, Gasoline PIANO [paraffins, isoparaffins, aromatics, naphthenes and olefins] (EPA 8260Mod, High Resolution GC/MS): [Per sample].

9-66. Water, 5 Fuel Oxygenates, MTBE, DIPE, TAME, ETBE and TBA (EPA 8260Mod, High

Resolution GC/MS): [Per sample].

9-67. Water, C10-C40 Alkane Fingerprint, N-Alkanes and Isoalkanes (ASTM D3328 GC/MS): [Per sample].

C. AIR ANALYSIS:

9-68. Air, Total Petroleum Hydrocarbons (Method 18 or TO-3): [Per Sample].

9-69. Air, Volatile Organic Aromatics (EPA Method TO-15): [Per Sample].

9-70. Air, Polycyclic Aromatic Hydrocarbons-Semi-Volatiles (EPA Method TO-13): [Per Sample].

9-71. Air, Volatile Organic Compounds (EPA Method TO-17): [Per Sample].

D. PRODUCT ANALYSIS:

9-72. Product, C3-C44 Hydrocarbon Fingerprint, Gasoline PIANO [paraffins, isoparaffins, aromatics, naphthenes and olefins], alkanes and isoalkanes (ASTM D3328 High Resolution GC/FID): [Per sample].

9-73 Product, GC/MS Full Scan, alkanes, isoalkanes, cycloalkanes, aromatics, bicyclane, sterane, and terpane biomarkers (ASTM D5739 High Resolution GC/MS): [Per sample].

E. OTHER ANALYSIS:

9-74. Other Laboratory Analysis, Not Otherwise Specified: [Reimbursable]. Justification must be provided at time of work assignment.

9-75. Additional Laboratory Charge for 7 Day Turnaround: [Percent Surcharge]. Justification must be provided at time of work assignment.

9-76. Additional Laboratory Charge for 3 Day Turnaround: [Percent Surcharge]. Justification must be provided at time of work assignment.

9-77. Additional Laboratory Charge for 1 Day Turnaround: [Percent Surcharge]. Justification must be provided at time of work assignment.

10. SOIL SOURCE REMOVAL RELATED: The following pay items are used to dewater, excavate and/or remove soil/material, backfill and compact the excavation area. The scope of the soil source removal must be approved by the DEP Project Manager prior to initiating work.

NOTE: These pay items will not be used for tank removals and/or trenching (see Tank Removal and Trenching Pay Items).

NOTE: Contractor is responsible for correcting any issues associated with flowable fill, backfill, and compaction that may arise such as subsidence, cracking of concrete or pavement, etc., including mobilizations, personnel, material and equipment.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.

b. Acquisition of all required permits, excluding actual permit fee.
c. Field oversight by a qualified Engineer or Geologist.
d. Onsite temporary storage of soil/material (e.g., roll off box).
e. Small on-site storage tanks ≤ 2,000 gallon capacity.
f. Sampling/testing of backfill and/or flowable fill per specification
g. Complying with OSHA safety requirements.
h. Temporary Security Fencing.
i. Safety Devices (barricades, lights, signs, concrete barriers, trench boxes and plates).
j. Stormwater/erosion control measures.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of Personnel and Equipment to and from site (Use Mobilization pay item).
b. Debris, waste and product removal and/or disposal (Use Debris, Waste and Product Removal and Disposal pay item).
c. Concrete and asphalt replacement (Use Resurfacing pay item).
d. Sample Collection of effluent or waste or for classification (Use Sample Collection pay item).
e. Laboratory analysis of effluent for waste for classification (Use Laboratory Analysis pay item).
f. Actual permit fees (Use Permit Fees [Reimbursable] pay item).
g. Large on-site holding tanks (Use Remedial Action Equipment - Use pay item).
h. On-Site Water Treatment (Use Remedial Action – Packaged Work Scopes pay item).
i. Tank Removal (Use Petroleum Storage Tank Removal and Disposal pay item).

10-1. Sheet Piling for ≤ 20 feet deep excavation (per square foot): [Per Square Foot/Day]. This pay item is for installation of sheet piling to facilitate a 20 feet deep excavation and usage on a daily basis.

10-2. Sheet Piling for ≤ 20 feet deep excavation (per square foot): [Per Square Foot/Week]. This pay item is for installation of sheet piling to facilitate a 20 feet deep excavation and usage on a weekly basis.

10-3. Sheet Piling for ≤ 20 feet deep excavation (per square foot): [Per Square Foot/Month]. This pay item is for installation of sheet piling to facilitate a 20 feet deep excavation and usage on a monthly basis.

10-4. Sheet Piling for > 20 feet deep excavation (per square foot): [Per Square Foot/Day]. This pay item is for installation of sheet piling to facilitate a greater than 20 feet deep excavation and usage on a daily basis.

10-5. Sheet Piling for > 20 feet deep excavation (per square foot): [Per Square Foot/Week]. This pay item is for installation of sheet piling to facilitate a greater than 20 feet deep excavation and usage on a weekly basis.

10-6. Sheet Piling for > 20 feet deep excavation (per square foot): [Per SquareFoot/Month]. This pay item is for installation of sheet piling to facilitate a greater than 20 feet deep excavation and usage on a monthly basis.

10-7. Conventional Soil Excavation and Loading ≤ 300 cubic yards: [Per Cubic Yard]. This pay item is for excavation and loading of soils for a conventional excavation of up to 300 cubic yards.

10-8. Conventional Soil Excavation and Loading > 300 cubic yards: [Per Cubic Yard]. This pay item is for excavation and loading of soils for a conventional excavation exceeding 300 cubic yards.

10-9. LDA Excavation and Loading Without Casing ≤ 300 cubic yards: [Per Cubic Yard]. This pay item is for excavation and loading of soils for a Large Diameter Auger (LDA) excavation of up to 300 cubic yards without the use of supportive casing.

10-10. LDA Excavation and Loading Without Casing > 300 cubic yards: [Per Cubic Yard]. This pay item is for excavation and loading of soils for a LDA excavation exceeding 300 cubic yards without the use of supportive casing.

10-11.a. LDA Excavation and Loading With Surface Casing ≤ 300 cubic yards: [Per Cubic Yard]. This pay item is used for excavation and loading of soils for a LDA excavation of up to 300 cubic yards with the use of supportive casing.

10-11.b. LDA Excavation and Loading With Driven Casing ≤ 300 cubic yards: [Per Cubic Yard]. This pay item is used for excavation and loading of soils for a LDA excavation of up to 300 cubic yards with the use of supportive casing.

10-12.a. LDA Excavation and Loading With Surface Casing > 300 cubic yards: [Per Cubic Yard]. This pay item is for excavation and loading of soils for a LDA excavation exceeding 300 cubic yards with the use of supportive casing.

10-12.b. LDA Excavation and Loading With Driven Casing > 300 cubic yards: [Per Cubic Yard]. This pay item is for excavation and loading of soils for a LDA excavation exceeding 300 cubic yards with the use of supportive casing.

10-13. Flowable Fill Concrete and Installation: [Per Cubic Yard]. This pay item is for flowable fill concrete material and installation. The flowable fill shall meet the strength requirements specified in the Remedial Action Plan. Includes costs for compressive strength testing.

10-14. Clean Backfill Material, Compaction and Testing ≤ 300 cubic yards: [Per Cubic Yard]. This pay item includes the purchase, transportation, installation, compaction and compaction testing of backfill material for a conventional excavation of up to 300 cubic yards.

10-15. Clean Backfill Material, Compaction and Testing > 300 cubic yards: [Per Cubic Yard]. This pay item includes the purchase, transportation, installation, compaction and compaction testing of backfill material for a conventional excavation exceeding 300 cubic yards.

10-16. Pea Gravel: [Per Ton]. This pay item includes the purchase, transportation and installation of pea gravel where such material is specified.

10-17. #57 Stone: [Per Ton]. This pay item includes the purchase, transportation and installation of #57 stone when such course aggregate material is specified.

10-18. Dewatering System, up to 12 well points: [Per Day]. This pay item is to install, operate, monitor and dismantle a dewatering system with up to 12 dewatering points capable of dewatering to a depth of 25 feet bls. Not to be used for single point dewatering using a trash pump or sump pump.

10-19. Additional Dewatering System Well Points (2): [Per Day]. This pay item is for adding two additional well points to the daily dewatering system pay item.

10-20. Dewatering System, up to 12 well points: [Per Week]. This pay item is to install, operate, monitor and dismantle a dewatering system with up to 12 dewatering points capable of dewatering to a depth of 25 feet bls. Not to be used for single point dewatering using a trash pump or sump pump.

10-21. Additional Dewatering System Well Points (2): [Per Week]. This pay item is for adding two additional well points to the weekly dewatering system pay item.

10-22. Dewatering System, up to 12 well points: [Per Month]. This pay item is to install, operate, monitor and dismantle a dewatering system with up to 12 dewatering points capable of dewatering to a depth of 25 feet bls. Not to be used for single point dewatering using a trash pump or sump pump.

10-23. Additional Dewatering System Well Points (2): [Per Month]. This pay item is for adding two additional well points to the monthly dewatering system pay item.

11. PETROLEUM STORAGE TANK SYSTEM REMOVAL AND DISPOSAL: The following pay items are for the emptying, cleaning, removal and disposal of petroleum storage tank systems of specified capacity by a certified Florida Petroleum Storage System Specialty Contractor and are only allowed if tank removal is determined by the DEP to be integral to site rehabilitation.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Acquisition of all required permits, excluding actual permit fee.
c. Field oversight by a certified Florida Petroleum Storage System Specialty Contractor.
d. Emptying residual product, water and sludge from the storage tank.
e. Draining and removing or capping integral piping.
f. Transportation and proper disposal/recycling.
g. Completion of waste manifests.
h. Completion of required Storage Systems Closure forms and notices required by Ch. 62-761, F.A.C.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of Personnel and Equipment to and from site (Use Mobilization pay item).
b. Actual permit fees (Use Reimbursable pay item).
c. Sample Collection of waste or for classification (Use Sample Collection pay item).
d. Laboratory analysis of waste for classification (Use Laboratory Analysis pay item).
e. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).

11-1. Remove and Dispose Petroleum Storage Tank - ≤ 1,000 gal. capacity: [Per Tank]: This pay item includes evacuation of vapors within tank, removal and disposal of residual petroleum product, contact water and sludge, cleaning and dismantling of tank, draining and removal or capping of integral piping and dispenser, and removal and disposal of tank.

11-2. Remove and Dispose Petroleum Storage Tank - > 1,000 to 5,000 gal. capacity: [Per Tank]: This pay item includes evacuation of vapors within tank, removal and disposal of residual petroleum product, contact water and sludge, cleaning and dismantling of tank, draining and removal or capping of integral piping and dispenser, and removal and disposal of tank.

11-3. Remove and Dispose Petroleum Storage Tank - > 5,000 to 10,000 gal. capacity: [Per Tank]: This pay item includes evacuation of vapors within tank, removal and disposal of residual petroleum

product, contact water and sludge, cleaning and dismantling of tank, draining and removal or capping of integral piping and dispenser, and removal and disposal of tank.

11-4. Remove and Dispose Petroleum Storage Tank - > 10,000 gal. capacity: [Per Tank]: This pay item includes evacuation of vapors within tank, removal and disposal of residual petroleum product, contact water and sludge, cleaning and dismantling of tank, draining and removal or capping of integral piping and dispenser, and removal and disposal of tank.

12. DEBRIS, WASTE AND PRODUCT REMOVAL AND DISPOSAL: The following pay items are for transporting, disposing, recycling, and treating of concrete asphalt and other debris, petroleum contaminated waste and petroleum product. It is the Contractor's responsibility to properly classify and dispose of waste at an appropriate, properly registered facility in accordance with federal and state regulations. Disposal/recycling should be accomplished as soon as laboratory analyses indicate which disposal/recycling facility is appropriate. Prior to disposal, the Contractor shall provide justification of landfill/facility selection and comparison to disposal versus treatment/reuse options to DEP. Selection of disposal using drums vs. bulk rates shall be determined by the best value to the State. Selection of a site-specific disposal method for clean soil requires pre-approval by the DEP Project Manager. The Contractor shall oversee waste loading and sign the manifest. The delivery ticket with the actual volume of material shall be used to document the quantity of wastes disposed.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Field oversight by a qualified Field Technician.
c. Drums and containers used for storage and/or transport.
d. Completion of waste manifests.
e. Labeling of drum(s) and container(s) – Labels shall identify 1) waste category and classification, 2) container contents, 3) site facility identification number, 4) contractor name and telephone number, and 5) dates of accumulation.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of personnel and equipment to and from site (Use Mobilization pay item)
b. Sample collection for waste classification (Use Sample Collection pay item)
c. Laboratory analysis for waste classification (Use Laboratory Analyses pay)

12-1. Removal and Loading of Asphalt and/or Concrete – up to 4 inch thickness: [Per Square Foot]. This pay item is to remove and load pre-existing asphalt and/or concrete up to 4 inch thickness.

12-2. Additional Removal/Loading Cost for Concrete - > 4 inch thickness: [Per Square Foot]. This pay item is for additional costs to remove and load concrete greater than 4 inch thickness with or without rebar reinforcement.

12-3. Load, Transport and Disposal/Recycle Clean Overburden: [Per Ton]. This pay item is for loading, transportation and disposal/recycling of clean overburden soil that cannot be re-used on-site.

12-4. Transport and Disposal of Clean Concrete: [Per Ton]. This pay item is for transportation and disposal/recycling of clean concrete debris (absent of other materials such as rebar, etc.).

12-5. Transport and Disposal of Mixed Debris: [Per Ton]. This pay item is for transportation and disposal of mixtures of concrete, asphalt, rebar and other construction debris.

12-6. Transport and Disposal of Petroleum Impacted Soil (includes drum): [Per Drum]. This pay item is for transportation and proper disposal of petroleum impacted soil at an appropriate, registered disposal facility and includes one 55-gallon capacity drum.

12-7. Transport Petroleum Impacted Soil (bulk) ≤ 100 miles: [Per Ton]. This pay item is for transportation of impacted soil from the site to an appropriate, properly registered disposal facility within 100 miles.

12-8. Transport of Petroleum Impacted Soil (bulk) > 100 miles: [Per Ton]. This pay item is for transportation of impacted soil from the site to an appropriate, properly registered disposal facility more than 100 miles.

12-9. Disposal of Petroleum Impacted Soil at a Landfill (bulk) ≤ 450 tons: [Per Ton]. This pay item is for proper disposal of petroleum impacted soil at a landfill facility meeting Ch. 62-713, F.A.C., permitting requirements.

12-10. Disposal of Petroleum Impacted Soil at a Landfill (bulk) > 450 tons: [Per Ton]. This pay item is for proper disposal of petroleum impacted soil at a landfill facility meeting Ch. 62-713, F.A.C., permitting requirements.

12-11. Disposal of Petroleum Impacted Soil at a Thermal Treatment Facility (bulk) ≤ 450 tons: [Per Ton]. This pay item is for proper disposal of petroleum impacted soil at a thermal treatment facility meeting Ch. 62-713, F.A.C., permitting requirements.

12-12. Disposal of Petroleum Impacted Soil at a Thermal Treatment Facility (bulk) > 450 tons: [Per Ton]. This pay item is for proper disposal of petroleum impacted soil at a thermal treatment facility meeting Ch. 62-713, F.A.C., permitting requirements.

13-13. Transport and Disposal of Petroleum Contact Water (includes drum): [Per Drum]. This pay item is for transport and proper disposal of petroleum contact water at an appropriate, registered disposal facility and includes one 55-gallon capacity drum.

12-14. Transport and Disposal of Petroleum Contact Water (bulk): [Per Gallon]. This pay item is for transport and proper disposal of petroleum contact water at a permitted disposal facility or sewer system.

12-15. Transport and Disposal of Petroleum Product: [Per Drum]. This pay item is for transport and proper disposal/recycling of petroleum product at an appropriate, registered disposal/recycling facility and includes one 55-gallon capacity drum.

12-16. Transport and Disposal of Petroleum Product (bulk): [Per Gallon]. This pay item is for the transport and proper disposal/recycling of bulk petroleum product at an appropriate, registered disposal/recycling facility.

13. RESURFACING: The following pay items are for the replacement of site surface cover destroyed during cleanup related activities (asphalt, concrete, crushed lime rock, sod and seed).

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Field oversight by a qualified Field Specialist or Field Technician.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of personnel and equipment to and from site (Use Mobilization pay item).

13-1. Asphalt Paving - 2 inch thickness (includes sub-base): [Per Square Foot]. This pay item includes all costs associated with the installation of replacement asphalt of 2 inch thickness.

13-2. Asphalt Paving-additional 1 inch thickness: [Per Square Foot]. This pay item includes all costs associated with the installation of additional replacement asphalt of 1 inch thickness.

13-3. Concrete Paving - 4 inch thickness (includes sub-base): [Per Square Foot]. This pay item includes all costs associated with the installation of replacement concrete. The concrete will meet the strength/reinforcement requirements specified in the Remedial Action Plan. Includes costs for compression testing.

13-4. Concrete Paving - additional 1 inch thickness: [Per Square Foot]. This pay item includes all costs associated with the installation of additional replacement concrete of 1 inch thickness.

13-5. Crushed Lime Rock Cover - 2 inch thickness: [Per Square Foot]. This pay item includes all cost associated with the installation of crushed lime rock cover (not as sub base for pavement or concrete).

13-6. Grass - Sod: [Per Square Foot]. This pay item includes all costs associated with the installation of replacement grass sod material.

13-7. Grass - Seed and Mulch: [Per Square Foot]. This pay item includes all costs associated with grass seeding and mulching.

14. IN-SITU INJECTION: The following pay item is for in-situ injection using direct push borings in accordance with an approved remedial action plan.

NOTE: Underground injection wells, including air sparge wells, are exempt from Water Management District permit fees pursuant to Chapter 373, F.S., and are permitted by the DEP technical approval order. Where such exemptions exist, permit fees are not required and will not be reimbursable under this contract.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Field oversight by a qualified Field Technician.
c. Direct push boring (if using DP option).
d. Acquisition of all required permits, excluding actual permit fee (If applicable, see Note above).
e. Injection material preparation and/or mixing.
f. Injection/application of material.
g. Grout sealing the boreholes (if using DP option).
h. Setup and dismantling the injection equipment.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:
a. Mobilization of personnel and equipment to and from site (Use Mobilization pay item).
b. Actual permit fees (If applicable, see Note above, use Reimbursable pay item).
c. Material to be injected (Use Reimbursable pay item).

d. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).
e. Monitoring (Use Sample Collection pay item).
f. Analyses (Use Laboratory Analysis pay item).
g. Remedial Action General or Interim Report (Use Reports pay item).

14-1. Direct Push Boring with In-Situ Injection: [Per Foot].

14-2. In-Situ Injection Into Existing Well/Treatment Point: [Per Injection Point].

14-2. Materials to be Injected: [Reimbursable].

15. REMEDIAL ACTION CONSTRUCTION: The following pay items are for all inclusive activities associated with the installation of remediation systems in accordance with the approved remedial action plan in two parts; trenching, and system integration and startup. Trenching includes the shallow trenching, installation and testing of plumbing and electrical equipment between the remediation system components and treatment/recovery points. System integration and startup includes installation of treatment equipment, connection and testing of all plumbing and electrical components to pre-treatment, treatment and telemetry equipment, utilities, discharge points and treatment/recovery points within the remediation system, and system startup.

NOTE: Contractor is responsible for correcting any issues associated with backfill and compaction that may arise such as subsidence, cracking of concrete or pavement, etc., including mobilizations, personnel, material and equipment.

A. Trenching

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Field oversight by a qualified Remediation Technician or Field Technician.
c. Trenching.
d. Installation and testing of up to eight (8) liquid, vapor and/or air plumbing lines including all electrical equipment.
e. Pea gravel, backfill material, and poly sheeting.
f. Backfilling and compacting.
g. Compaction testing.
h. Debris removal.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of personnel and equipment to and from site (Use Mobilization pay item).
b. Plumbing and electrical materials/equipment installed in trench (Use Reimbursable pay item).
c. Concrete or asphalt replacement (Use Resurfacing pay item).

15-1. Trenching and Installation of Plumbing (and Electrical) Lines in Trench: [Per Linear Foot]. For up to up to 8 liquid/vapor/air plumbing lines. Electrical lines are not counted in determination of cost.

15-2. Trenching and Installation - Additional 2 plumbing lines: [Per Linear Foot].

15-3. Plumbing and Electrical Materials/Equipment Installed in Trench: [Reimbursable].

B. Remediation System Integration and Startup: The following pay items will be used for the installation and integration of remediation system equipment, connection and testing of all plumbing and electrical components to pre-treatment, treatment and telemetry equipment, utilities, discharge points and treatment/recovery points within the remediation system, and initial system startup for three days. These pay items are generally not applicable to pilot tests and may not be applicable to certain types of short term/episodic remedial events that do not require the full scope of work listed.

NOTE: System startup included in this pay item represents the initial startup following construction and is not applicable to subsequent system startups following down time for repair, sampling, system modification etc.

NOTE: Technology components include groundwater recovery separate from multiphase, air sparge, soil vapor extraction and multi-phase. Add on components including carbon treatment and thermox/catox treatment are not considered to be separate "technology components" for the purpose of determining the applicable pay items in this category.

NOTE: Additional costs will not be approved during the startup period unless major modifications involving additional equipment are necessary. Additional costs for systems with previously used components will be considered on a case-by-case basis.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Startup assistance, if necessary, by equipment manufacturer/vendor/specialist.
c. Field oversight by qualified Remediation Technician.
d. Review and project coordination per approved RAP.
e. Setting up utility accounts.
f. Installing pumps, compressors and blowers, including well plumbing and electrical.
g. Integrating one (1) technology component the remediation system and connecting manifolds to the system, including plumbing and electrical.
h. Connecting up eight (8) recovery/treatment wells/points to the plumbing/electrical lines and manifolds.
i. Connecting utilities to the remediation system and the system to a discharge point.
j. Installing groundwater pre-treatment unit to prevent scale/bacteria build-up.
k. Installing catox/thermox vapor treatment equipment, if applicable.
l. Installing telemetry unit for remote access to system.
m. Testing and trouble-shooting the system, including optimizing and re-evaluating system performance during the startup period.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of personnel and equipment to and from site (Use Mobilization pay item).
b. Project oversight and evaluation by a Florida registered P.E. (Use negotiated costs).
c. Remediation System Equipment (Use Packaged Work Scopes or Remediation System Use Pay items).
d. Trenching and installation of plumbing and electrical in trenches (Use Trenching pay item).
e. Treatment/recovery wells (Use Drilling and Boring and Well Installation pay items).

f. Installation of well vaults (Use Well Installation pay item).
g. Compound construction/fencing (Use Reimbursable pay item).
h. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).
i. Chemicals for groundwater pre-treatment (Use Reimbursable pay item).

15-4. System Installation/Integration/Startup – 1 technology component - up to eight (8) recovery/treatment points: [Per Integration/Startup].

15-5. System Installation/Integration/Startup – Addition of 1 technology component: [Per Additional Tech Component].

15-6. System Installation/Integration/Startup – Addition of 2 recovery/treatment points: [Per 2 Recovery/Treatment Points].

16. REMEDIAL ACTION – PACKAGED WORK SCOPES (Including Remediation System Equipment): The following pay items are for providing turnkey packages of remediation system equipment, other equipment and personnel to operate, monitor, troubleshoot and optimize performance for the specified time events/time periods and have been separated into two categories; Pilot Testing Packages and Short Term/Episodic Event System Operation Packages.

A. Pilot Testing Packages (Including Remediation System Equipment): The following pay items are all inclusive packages, including personnel, remediation system equipment and other equipment, liquid storage, oil-water separation, pre-treatment, carbon treatment and/or off-gas treatment necessary to conduct pilot testing where warranted and in accordance with an approved pilot test plan and the following guidance: BPSS-2 – In Situ Sparging; Pilot Studies, Design Requirements (5/1/98), BPSS-4 – Vacuum Extraction, Multi-Phase Extraction, Pilot Studies, Air Emissions Treatment and Monitoring Requirements (5/10/00); BPSS-12 – Pilot Test Guidelines for Preapproval Program Sites (2/3/04), BPSS-12A – In-Situ Air Sparging Pilot Test Guidance (9/2/03), BPSS-12B – Soil Vapor Extraction Pilot Test Guidance (9/2/03); BPSS – 12C – Biosparge Pilot Test Guidance (9/2/03); BPSS-12D – Multi-Phase Extraction Pilot Test Guidance (9/2/03); BPSS-12E – Bioventing Pilot Test Guidance; and BPSS-12F – Groundwater Recovery System Pumping Test Guidance. All equipment repairs or parts replacement required during the pilot test are the responsibility of the Contractor.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Field oversight by a qualified Field Specialist or Field Technician
c. All required measurements and sampling of all applicable media for recovery/ treatment/collection points including temperatures, pressures, vacuums, flow rates, volumes, DO, CO2, water and FP levels, radius of influence, etc.
d. System capability for any liquid storage, oil-water separation, pre-treatment, carbon treatment and/or off-gas treatment that may be required.
e. All necessary repair and replacement of pilot test equipment.
f. All chemicals and gases required for test.
g. All down well groundwater pumps, if applicable.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of personnel and equipment to and from site (Use Mobilization pay item).
b. Project oversight by a Florida registered P.E. (Use negotiated costs).

c. Treatment/recovery/observation wells (Use Drilling and Boring and Well Installation pay items).
d. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).
e. Concrete or asphalt installation/replacement require for or as a result of pilot test (Use Resurfacing pay item).
f. Pilot Test Plans and Reports (Use Reports pay item).

16-1. Groundwater Recovery System Pilot Test - 8 hours: [Per Test].

16-2. Groundwater Recovery System Pilot Test - Additional Time: [Per 2 Hrs].

16-3. Air Sparging or Biosparging Pilot Test - 8 hours: [Per Test].

16-4. Air Sparging or Biosparging Pilot Test - Additional Time: [Per 2 Hrs].

16-5. Vapor Extraction Pilot Test - 8 hours : [Per Test].

16-6. Vapor Extraction Pilot Test - Additional Time: [Per 2 Hrs].

16-7. Vapor Extraction/Aquifer Pumping Test - 8 hours: [Per Test].

16-8. Vapor Extraction/Aquifer Pumping Test - Additional Time: [Per 2 Hrs].

16-9. Air Sparging/Vapor Extraction Pilot Test - 8 hours: [Per Test].

16-10. Air Sparging/Vapor Extraction Pilot Test - Additional Time: [Per 2 Hrs].

16-11. Multi-Phase Pilot Test - 8 hours: [Per Test].

16-12. Multi-Phase Pilot Test - Additional Time: [Per 2 Hrs.]

B. Short Term/Episodic System Operation Packages (Including Remediation System Equipment): The following pay items are all inclusive packages of mobilization, Per Diem, labor, materials and equipment, including remediation system equipment, liquid storage, oil-water separation, pre-treatment, flow equalization, carbon polishing treatment and, if applicable, off-gas treatment for conducting operation, monitoring, system related sampling, maintenance, trouble shooting, minor repairs and parts replacements for remediation systems on a daily or weekly basis in accordance with the approved RAP/RAPMOD and applicable guidance. This pay item also includes ongoing engineering evaluation and system optimization and recording of major component run times based on clock meter readings. Major and minor equipment repairs or parts replacement are the responsibility of the Contractor. DEP Project Manager shall be contacted within 72 hours of any changes to system status.

NOTE: Remediation systems shall have a minimum operational runtime of 80% of the approved design run time for all major components based on clock meter readings. For runtime of less than 80% of the approved design run time for all major components during the pay item time frame, the pay item will be invoiced at the amount equal to the percentage runtime using the following method: multiply the full pay item amount times the actual runtime percentage = invoice amount (e.g., if runtime is 75%, only 75% of the full pay item amount will be paid).
General Remediation System Requirements: All system designs must incorporate all applicable OSHA and electrical safety standards including National Electrical Code and NFPA standards, and

be UL certified or equivalent. Systems must include control panels with telemetry capable of remote monitoring and operation (except in cases where the system will be monitored by personnel on-site), phase monitors, intrinsically safe barriers for all switches (i.e. thermal overload, full tank pump shut off, interlock that prevents operation of the air sparging system in the event the VES is not operating, etc.), surge and lightning protection, portable ventilated weather resistant enclosure in the form of skid mounted building or enclosed trailer, freeze protection, hurricanes straps and anchors, gauges, meters, totalizers and run time hour meters for each major component to verify operation within required specifications. Systems shall also include means of noise reduction to limit noise levels to 65 dB or less at 10 feet.

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Groundwater Treatment System Requirements: System must include a control panel, multi-well inlet manifold, oil/water separator, equalization tank, transfer pump, tray air stripper with blower, carbon polishing capability, inlet and outlet ports, valves, totalizing flow meters, switches, thermal overload and overflow shut off capability.			
System Size	Minimum Water Flow Capacity (GPM)	Minimum Number of Legs Manifold	Minimum Air Flow Capacity (SCFM)
Medium	150	10	750

Air Sparging System Requirements: System must provide compressed oil free air at a temperature compatible with schedule 40 PVC pipe. The system must include control panel, applicable filters, a manifold to distribute air to each air sparging well, and means to measure air flow and pressure to each air sparging well, a pressure relief valve, discharge silencers/noise control, and a means of condensate removal.			
System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Medium	10	10	150

Vapor Extraction System Requirements: The system must include a SVE blower/pump, air dilution valves, vacuum relief valves, transfer pump, moisture separator device, telemetry, control panel and applicable filters and meters. The system must include the capacity to add and remove vapor treatment equipment as needed. The system must include a manifold to withdraw air from VE wells and include sampling port for all applicable parameters.			
System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Medium	10	10	250

Air Sparging/Soil Vapor Extraction System Requirements: System must provide oil free air at a temperature compatible with schedule 40 PVC pipe. The system must include a manifold to distribute and measure air flow and pressure to each air sparging well. The system must include a moisture separator device. The system must include a manifold to withdraw air from vacuum extraction (VE) wells and include sampling port for all applicable parameters. The system must include an interlock that prevents operation of the air sparging system in the event the VES is not operating.			
System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Medium	See individual specs for AS and SVE above		

Multi Phase Extraction System Requirements: System must include MPE blower or pump, heat exchanger, moisture separator, vacuum relief, and air stripper. The system must include the capacity to add and remove vapor treatment equipment as needed. The system must include a manifold to withdraw air and water from MPE wells and include sampling ports for all applicable parameters.			
System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Medium	10 to 20	10 to 20	60 to 150

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Mobilization of personnel, systems and associated equipment to and from site.
c. Per Diem for personnel travel, if applicable.
d. System operation, troubleshooting, minor and major repairs and replacement, evaluation and optimization.
e. System capability for any liquid storage, oil-water separation, pre-treatment, carbon treatment and/or off-gas treatment that may be required.
f. All down well groundwater pumps, if applicable.
g. Collection of all required system related measurements samples including recovery/treatment and discharge points.
h. Field oversight by a qualified Remediation Technician.
i. Minor RAP modification report preparation. Examples of minor RAP modifications include revisions to the milestone schedule, equivalent equipment replacements or minor equipment changes not affecting the cleanup strategy, removal of off-gas treatment when no longer required, removal of treated ground water polishing when no longer required, etc.
j. Daily business day monitoring of telemetry.
k. Documentation of all equipment maintenance in accordance with equipment manufacturer's recommendations.
l. Repair or replacement of equipment and all associated costs that are determined to be the result of a failure to either perform preventative maintenance or to operate the equipment in accordance with the manufacturer's recommendations or the approved RAP/RAP Mod.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Project oversight by a Florida registered P.E. (Use negotiated costs).
b. Treatment/recovery wells (Use Drilling and Boring and Well Installation pay items).
c. Monitoring well sampling and water or product level measurements, excluding treatment/recovery points (Use Sample Collection pay item).
d. Laboratory analytical testing of all system and monitoring well samples (Use Laboratory Analytical Testing pay item).
e. Major repair, replacement or modification of State-owned equipment outside the warranty or warranty period (case-by case).
f. Contractor mobilization for major repair or replacement of State-owned equipment outside the warranty or warranty period, that is required independent of scheduled O&M visits (Use Mobilization pay item).
g. Utilities including electricity, propane and sewer (Use Reimbursable pay item if not paid directly by DEP).
h. Remedial action reports (Use Reports pay item).
i. Actions and costs to address shut down, malfunction or damage caused by natural events such as lightning, hurricanes, tornadoes, floods and deep freezes if the Contractor has taken reasonable and cost-appropriate precautions against such events. Appropriate precautions shall include protection of equipment from the elements, securing equipment and enclosures against high winds, protection of exposed piping and equipment against freeze, and protection against lightning strikes.
j. Any necessary repair or replacement of equipment that is determined to be the result of a failure to either perform preventative maintenance or to operate the equipment in

accordance with the manufacturer's recommendations or the approved RAP/RAP Mod will be the responsibility of the Contractor.

k. Major RAP modification report preparation (Use Reports pay item).
l. Waste disposal (Use Debris, Waste and Product Removal and Disposal pay item).
m. Chemicals, replacement carbon and/or replacement pre-treatment filters for pretreatment or vapor treatment (Use Reimbursable pay item).

16-17. Groundwater Treatment System Package - Medium: [Per Day].

16-18. Groundwater Treatment System Package - Medium: [Per Week].

16-19. Air Sparge System Package - Medium: [Per Day].

16-20 Air Sparge System Package - Medium: [Per Week].

16-21. AS/SVE System Package - Medium: [Per Day].

16-22 AS/SVE System Package - Medium: [Per Week].

16-23. MPE System Package - Medium: [Per Day].

16-24. MPE System Package - Medium: [Per Week].

17. REMEDIATION SYSTEM O&M PACKAGED WORK SCOPES (Excluding Remediation System Equipment): The following pay items are all inclusive packages on a monthly basis of mobilization, Per Diem, labor, materials and equipment necessary (excluding remediation system equipment) for conducting operation, monitoring, system related sampling, preventative maintenance, trouble shooting, minor repairs and parts replacements for remediation systems after startup in accordance with the approved RAP/RAPMOD and applicable guidance. This pay item also includes ongoing evaluation and system optimization and recording of major component run times based on clock meter readings and service fees for system telemetry. The DEP Project Manager shall be contacted within 72 hours of any changes to system status.

NOTE: This pay O&M item is intended for use with either remediation systems provided by the Contractor at unit costs for time used as outlined in section 18. below or with pre-existing State-owned remediation systems. This pay item is not intended for use with remedial action packaged work scopes that include personnel and remediation system equipment for shorter time periods as outlined in section 16. above.

NOTE: Preventative maintenance covered by this O&M pay item includes, but is not limited to: air compressor maintenance, including oil changes, vane wear measurements and vane replacement, AS and SVE blower maintenance, surface/submersible pump maintenance and cleaning, tray stripper cleaning, heat exchanger cleaning, filter cleaning or replacement, pump/compressor oil changes, adjustment of pump intake elevations, routine cleaning and acidizing of pumps and water treatment units, cleaning and calibration of sensors, meters and gauges, function checks of fail-safe/interlock mechanisms, verification/replacement of safety guards and screens and compound maintenance, weed control and general housekeeping.

NOTE: Minor repairs covered by this O&M pay item include, but are not limited to: repair or replacement of cracked or damaged pipes or hoses, replacement of small parts such as valves, gauges, switches, belts, etc., replacement of compressor/pump drive belts and couplings, and repair

and painting of fences, gates, enclosures and compound covers.

NOTE: Major equipment repairs or parts replacement for remediation systems provided by the Contractor at unit costs for time used are the responsibility of the Contractor and covered under the Remedial Action Equipment Use pay item. However, major repairs or parts replacement for existing State-owned equipment may apply on a case-by-case basis provided the equipment is not covered by warranty and the Contractor has received prior written approval from the DEP Project Manager after consideration of cost effectiveness and following all State property rules and guidelines pertaining to capitalization, transfer, tracking and surplus. Examples of major equipment repairs/replacement include but are not limited to: blower vane replacement requiring complete disassembly (i.e., cleanout of shattered vane fragments), oil seal replacement requiring dismantling of equipment, replacement of large system components such as blowers, compressors, liquid ring pumps, submersible pumps, air/water and oil/water separators, etc., replacement of air stripping tower packing, and replacement of carbon vessels or carbon change out of same.

NOTE: Remediation systems, either provided by the Contractor at unit costs for time used or pre-existing State-owned equipment, shall have a minimum operational runtime of 80% of the approved design run time for all major components based on clock meter readings for all major components. For runtime of less than 80% of the approved design run time for all major components during the pay item time frame, the pay item will be invoiced at the amount equal to the percentage runtime using the following method: multiply the full pay item amount times the actual runtime percentage = invoice amount (e.g., if runtime is 75%, only 75% of the full pay item amount will be paid).

NOTE: The pay item choices are based on the size and complexity of the remediation system in the approved RAP/RAP Mod with a supplemental option for those sites utilizing catalytic or thermal oxidizers for off-gas treatment during the initial period of treatment. **NOTE:** Pre-treatment and add-on carbon treatment (vs. sole treatment technology) and add-on thermox/catox treatment are not considered to be separate "Technologies" for the purpose of determining small, medium and large system size pay items. The appropriate pay item will be determined using the following criteria:

Treatment/Recovery Points	1 Technology	2 Technologies	3 Technologies
<10 Treat/Recovery Points	Small	Small	Small
10-20 Treat/Recovery Points	Medium	Medium	Medium
21-40 Treat/Recovery Points	Large	Large	Large
>40 Treat/Recovery Points	n/a	Extra Large	Extra Large

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.
b. Mobilization of personnel and non-remediation system equipment to and from site.
c. Per Diem for personnel travel, if applicable.
d. System operation and evaluation
e. System and treatment/recovery point performance parameter data collection (pressure, vacuum, flow rates, temperatures, etc.).
f. System related sampling of water and air streams including all recovery/treatment and discharge points.
g. Adjustments to flow rate, pressure, vacuum, RPM, fail-safe/interlock settings.
h. Equipment and sensor calibration.
i. Recovery/treatment well water or product level measurements.
j. System preventative maintenance.
k. Minor repairs.

l. Major repair or replacement parts for existing State-owned equipment while covered under the manufacturer's warranty or equipment provided by the Contractor at unit costs for time used at any time.
m. Trouble-shooting visits to diagnose system shut downs or malfunctions, make minor repairs and re-start systems.
n. Oversight by a qualified Remediation Technician.
o. Telemetry service fees and daily business day monitoring of telemetry.
p. Documentation of all equipment maintenance in accordance with equipment manufacturer's recommendations.
q. Repair or replacement of equipment and all associated costs that are determined to be the result of a failure to either perform preventative maintenance or to operate the equipment in accordance with the manufacturer's recommendations or the approved RAP/RAP Mod.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Project oversight by a Florida registered P.E. (Use negotiated costs).
b. Monitoring well sampling and water or product level measurements, excluding treatment/recovery points (Use Sample Collection pay item).
c. Laboratory analytical testing of all system and monitoring well samples (Use Laboratory Analytical Testing pay item).
d. Major repair, replacement parts or modification of existing State-owned equipment outside the warranty or warranty period (case-by-case).
e. Contractor mobilization for major repair, replacement parts or modification of existing State-owned equipment outside the warranty or warranty period, that is required independent of scheduled O&M visits (Use Mobilization pay item).
f. Utilities including electricity, propane and sewer (Use Reimbursable pay item if not paid directly by DEP).
g. Remedial action reports (Use Reports pay item).
h. Actions and costs to address shut down, malfunction or damage caused by natural events such as lightning, hurricanes, tornadoes, floods and deep freezes if the Contractor has taken reasonable and cost-appropriate precautions against such events. Appropriate precautions shall include protection of equipment from the elements, securing equipment and enclosures against high winds, protection of exposed piping and equipment against freeze, and protection against lightning strikes.
i. Any necessary repair or replacement of equipment that is determined to be the result of a failure to either perform preventative maintenance or to operate the equipment in accordance with the manufacturer's recommendations or the approved RAP/RAP Mod will be the responsibility of the Contractor.
j. RAP modification report preparation (Use negotiated costs).
k. Waste disposal (Use Waste Disposal and Product Handling pay item).
l. Chemicals and/or replacement carbon for pretreatment or vapor treatment (Use Reimbursable pay item).

17-1. <u>System O&M Package - Small (excludes system):</u> [Per Month].

17-2. <u>System O&M Package - Medium (excludes system):</u> [Per Month].

17-3. <u>System O&M Package - Large (excludes system):</u> [Per Month].

17-4. <u>System O&M Package – Extra Large (excludes system):</u> [Per Month].

17-5 Supplemental System O&M Package - Add Thermox or Catox Treatment: [Per Month].

18. REMEDIAL ACTION EQUIPMENT/SYSTEM USE (Equipment Only, Excluding O&M): The following pay items are for equipment use only items or turnkey remediation systems as specified. Major repairs and component/parts replacement are the responsibility of the Contractor under this pay item. Maintenance, trouble shooting, minor repairs and parts replacements for equipment are covered by the Monthly Remediation System O&M Package pay items. Systems provided by the Contractor at unit costs for time used include carbon polishing equipment and initial carbon for groundwater, but do not include carbon treatment equipment or catox/thermox equipment for off-gas treatment. Damage, loss and liability associated with equipment use is the responsibility of the Contractor and any costs associated with insurance and/or liability damage waivers are included in the fixed cost.

NOTE: Remediation systems provided by the Contractor at unit costs for time used shall have a minimum operational runtime of 80% of the approved design run time for all major components based on clock meter readings. For runtime of less than 80% of the approved design run time for all major components during the pay item time frame, the pay item will be invoiced at the amount equal to the percentage runtime using the following method: multiply the full pay item amount times the actual runtime percentage = invoice amount (e.g., if runtime is 75%, only 75% of the full pay item amount will be paid).

General Remediation System Requirements: All system designs must incorporate all applicable OSHA and electrical safety standards including National Electrical Code and NFPA standards, and be UL certified or equivalent. Systems must include control panels with telemetry capable of remote monitoring and operation (except in cases where the system will be monitored by personnel on-site), phase monitors, intrinsically safe barriers for all switches (i.e. thermal overload, full tank pump shut off, interlock that prevents operation of the air sparging system in the event the VES is not operating, etc.), surge and lightning protection, portable ventilated weather resistant enclosure in the form of skid mounted building or enclosed trailer, freeze protection, hurricanes straps and anchors, gauges, meters, totalizers and run time hour meters for each major component to verify operation within required specifications. Systems shall also include means of noise reduction to limit noise levels to 65 dB or less at 10 feet.

Groundwater Treatment System Requirements: System must include a control panel, multi-well inlet manifold, down well groundwater pumps, oil/water separator, equalization tank, transfer pump, tray air stripper with blower, carbon polishing capability, inlet and outlet ports, valves, totalizing flow meters, switches, thermal overload and overflow shut off capability.

System Size	Minimum Water Flow Capacity (GPM)	Minimum Number of Legs Manifold	Minimum Air Flow Capacity (SCFM)
Small	75	5	300
Medium	150	10	750
Large	250	20	1500

Air Sparging System Requirements: System must provide compressed oil free air at a temperature compatible with schedule 40 PVC pipe. The system must include control panel, applicable filters, a manifold to distribute air to each air sparging well, and means to measure air flow and pressure to each air sparging well, a pressure relief valve, discharge silencers/noise control, and a means of condensate removal.

System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Small	5	5	50

Medium	10	10	150
Large	20	20	250

Vapor Extraction System Requirements: The system must include a SVE blower/pump, air dilution valves, vacuum relief valves, transfer pump, moisture separator device, telemetry, control panel and applicable filters and meters. The system must include the capacity to add and remove vapor treatment equipment as needed. The system must include a manifold to withdraw air from VE wells and include sampling port for all applicable parameters.

System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Small	5	5	100
Medium	10	10	250
Large	20	20	500

Air Sparging/Soil Vapor Extraction System Requirements: System must provide oil free air at a temperature compatible with schedule 40 PVC pipe. The system must include a manifold to distribute and measure air flow and pressure to each air sparging well. The system must include a moisture separator device. The system must include a manifold to withdraw air from vacuum extraction (VE) wells and include sampling port for all applicable parameters. The system must include an interlock that prevents operation of the air sparging system in the event the VES is not operating.

System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Small	See individual specs for AS and SVE above		
Medium			
Large			

Multi Phase Extraction System Requirements: System must include MPE blower or pump, heat exchanger, moisture separator, vacuum relief, and air stripper. The system must include the capacity to add and remove vapor treatment equipment as needed. The system must include a manifold to withdraw air and water from MPE wells and include sampling ports for all applicable parameters.

System Size	Minimum Blower Size (HP)	Minimum Number of Legs in Manifold	Minimum Air Flow Capacity (SCFM)
Small	5 to <10	5-10	35 to 60
Medium	10 to 20	10 to20	60 to 150
Large	20 to 40	20 to 40	150 to 300

Carbon Off-Gas Treatment Add-On: Carbon canisters must be equipped standard size inlet/outlet connections and drain for accumulated condensate.

System Size	Minimum Air Flow Capacity (SCFM)
Small	100
Medium	250
Large	500

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Thermal or Catalytic Off-Gas Treatment Add-On: Oxidizer must be electric powered and include control panel equips with telemetry, motor starter overload, LEL monitor and standard size inlet/outlet connections.	
System Size	Minimum Air Flow Capacity (SCFM)
Small	100
Medium	250
Large	500

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material and non-O&M labor costs.
b. All down well groundwater pumps, if applicable.
c. Carbon polishing equipment and initial carbon.
d. Major repairs or replacement items, including remediation equipment in need of replacement, and associated mobilizations to and from site for that purpose.
e. Costs for equipment and liability insurance and/or liability damage waivers.
f. Mobilization to and from the site for replacement remediation system.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Mobilization of personnel and equipment to and from site for initial installation and final removal (Use Mobilization pay item).
b. Operation, monitoring, maintenance, minor repairs, sampling, etc. (Use Monthly Remediation System O&M Package pay item).
c. Telemetry Service Fees, excluding telemetry equipment (Use Package Work Scope pay item).
g. Utilities including electricity, propane and sewer (Use Reimbursable pay item if not paid directly by DEP).
h. Chemicals and/or replacement carbon for pretreatment, groundwater polishing or vapor treatment (Use Reimbursable pay item).

18-1. Medium Holding Tank 2,000 to 6,000 gallon capacity - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a medium size onsite holding tank to containerize groundwater.

18-2. Medium Holding Tank 2,000 to 6,000 gallon capacity - Long term > 6 mos.: [Per Month]. This pay item is to provide a medium size onsite holding tank to containerize groundwater.

18-3. Large Holding Tank > 6,000 to 10,000 gallon capacity - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a large size onsite holding tank to containerize groundwater.

18-4. Large Holding Tank > 6,000 to 10,000 gallon capacity - Long Term > 6 mos.: [Per Month]. This pay item is to provide a large size onsite holding tank to containerize groundwater.

18-5. Groundwater Treatment System – Stand Alone Small - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey groundwater treatment system as specified above.

18-6. Groundwater Treatment System – Stand Alone Small - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey groundwater treatment system as specified above.

18-7. Groundwater Treatment System – Stand Alone Medium - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey groundwater treatment system as specified above.

18-8. Groundwater Treatment System – Stand Alone Medium - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey groundwater treatment system as specified above.

18-9. Groundwater Treatment System – Stand Alone Large - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey groundwater treatment system as specified above.

18-10. Groundwater Treatment System – Stand Alone Large - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey groundwater treatment system as specified above.

18-11. Air Sparge (AS) System – Small - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey AS system as specified above.

18-12. Air Sparge (AS) System – Small - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey AS system as specified above.

18-13. Air Sparge (AS) System – Medium - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey AS system as specified above.

18-14. Air Sparge (AS) System - Medium - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey AS system as specified above.

18-15. Air Sparge (AS) System – Large - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey AS system as specified above.

18-16. Air Sparge (AS) System - Large - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey AS system as specified above.

18-17. Air Sparge/Soil Vapor Extraction (AS/SVE) System – Small - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey AS/SVE system as specified above.

18-18. Air Sparge/Soil Vapor Extraction (AS/SVE) System – Small - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey AS/SVE system as specified above.

18-19. Air Sparge/Soil Vapor Extraction (AS/SVE) System – Medium - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey AS/SVE system as specified above.

18-20. Air Sparge/Soil Vapor Extraction (AS/SVE) System - Medium - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey AS/SVE system as specified above.

18-21. Air Sparge/Soil Vapor Extraction (AS/SVE) System – Large - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey AS/SVE system as specified above.

18-22. Air Sparge/Soil Vapor Extraction (AS/SVE) System - Large - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey AS/SVE system as specified above.

18-23. Mulitphase (MPE) System – Small - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey MPE system as specified above.

18-24. Mulitphase (MPE) System – Small - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey MPE system as specified above.

18-25. Mulitphase (MPE) System – Medium - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey MPE system as specified above.

18-26. Mulitphase (MPE) System - Medium - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey MPE system as specified above.

18-27. Mulitphase (MPE) System – Large - Short Term ≤ 6 mos.: [Per Month]. This pay item is to provide a turnkey MPE system as specified above.

18-28. Mulitphase (MPE) System - Large - Long Term > 6 mos.: [Per Month]. This pay item is to provide a turnkey MPE system as specified above.

18-29. Groundwater Treatment – Add On - Small - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add groundwater treatment capability to a turnkey system as specified above.

18-30. Groundwater Treatment – Add On – Medium - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add groundwater treatment capability to a turnkey system as specified above.

18-31. Groundwater Treatment – Add On – Large - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add groundwater treatment capability to a turnkey system as specified above.

18-32. Groundwater Treatment – Add On – Small - Long Term > 6 mos.: [Per Month]. This pay item is to add groundwater treatment capability to a turnkey system as specified above.

18-33. Groundwater Treatment – Add On – Medium - Long Term > 6 mos.: [Per Month]. This pay item is to add groundwater treatment capability to a turnkey system as specified above.

18-34. Groundwater Treatment – Add On – Large - Long Term > 6 mos.: [Per Month]. This pay item is to add groundwater treatment capability to a turnkey system as specified above.

18-35. Carbon Treatment - Add On – Small - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add carbon off-gas treatment capability to a turnkey system as specified above.

18-36. Carbon Treatment - Add On – Medium - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add carbon off-gas treatment capability to a turnkey system as specified above.

18-37. Carbon Treatment - Add On – Large - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add carbon off-gas treatment capability to a turnkey system as specified above.

18-38. Carbon Treatment - Add On – Small - Long Term > 6 mos.: [Per Month]. This pay item is to add carbon off-gas treatment capability to a turnkey system as specified above.

18-39. Carbon Treatment - Add On – Medium - Long Term > 6 mos.: [Per Month]. This pay item is to add carbon off-gas treatment capability to a turnkey system as specified above.

18-40. Carbon Treatment - Add On – Large - Long Term > 6 mos.: [Per Month]. This pay item is to add carbon off-gas treatment capability to a turnkey system as specified above.

18-41. Thermox/Catox - Add On – Small - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add thermal or catalytic oxidizer off-gas treatment capability to a turnkey system as specified above.

18-42. Thermox/Catox - Add On – Medium - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add thermal or catalytic oxidizer off-gas treatment capability to a turnkey system as specified above.

18-43. Thermox/Catox - Add On – Large - Short Term ≤ 6 mos.: [Per Month]. This pay item is to add thermal or catalytic oxidizer off-gas treatment capability to a turnkey system as specified above.

18-44. Thermox/Catox - Add On – Small - Long Term > 6 mos.: [Per Month]. This pay item is to add thermal or catalytic oxidizer off-gas treatment to a turnkey system as specified above.

18-45. Thermox/Catox - Add On –Medium - Long Term > 6 mos.: [Per Month]. This pay item is to add thermal or catalytic oxidizer off-gas treatment to a turnkey system as specified above.

18-46. Thermox/Catox - Add On – Large - Long Term > 6 mos.: [Per Month]. This pay item is to add thermal or catalytic oxidizer off-gas treatment to a turnkey system as specified above.

19. REPORTS (Excluding Professional Engineering and Professional Geology Services): The following pay items are for reports associated with specified scopes of work. Reports must be accurate and complete prior to submittal to DEP. All reports must be submitted to DEP in accordance with the requirements in Chapter 62-780, F.A.C., the "Technical Report and Deliverable Related Time Frames" table in Appendix I, applicable DEP guidance, and comply with the DWM Policy on Professional Certification of Technical Documents dated March 31, 2000, if applicable. All Reports must include a history of the site, a summary of activities completed under the work order, field notes and appropriate logs for any field work, lab reports, tables, figures and maps as applicable, evaluation of the data provided, deviations from Task Assignment requirements, and recommendations for additional work needed to move the site towards closure.

The Contractor shall use of the most current version of the specified report, permit, or document form. All maps shall include a dated title block, facility ID, site name and address, north arrow, bar scale, and a legend of all symbols used, whereas distribution maps shall include iso-contours for COCs drawn such that solid lines denote known concentration contours, dashed lines denote likely concentration contours, and dotted lines denote estimated concentration contours. Tables of analytical results shall be cumulative, include the required qualifiers and qualifier codes, and bold the results that exceed the applicable target cleanup level.

NOTE: Professional Engineer and Professional Geologist review, evaluation, and certification (signature and seal) where required is excluded from the base report cost required to be provided in the response to the solicitation. Costs for these professional services will be negotiated with those responsive and responsible Respondents selected for consideration of a contract award based on criteria which excludes costs for Professional Geology and Professional Engineering Services.

NOTE: Digital data shall be submitted as an e-mail attachment if within size limitations, or on a CD if too large, compatible with Microsoft Word/Excel™ for a Microsoft Windows™ configured computer. Data shall also be made available electronically to other DEP contractors at the request of the DEP Project Manager.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All equipment, material, and labor costs.

b. Mailing or other delivery costs.
c. All guidance-specified attachments, including photographic documentation.
d. Oversight and, if applicable, sign and seal by a Florida registered P.G. (or P.E. where allowed as an option to a P.G.)
e. Submittal of one (1) final report hard copy, and one (1) final report digital copy.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Costs for Professional Geologist or Professional Engineer review, evaluation and certification (signature and seal) of plan or report, where required (Use negotiated costs).

19-1. Soil Source Removal Report: [Per Report]. This pay item is to provide written documentation (including photo documentation) and backup information following a soil source removal. The report should include a description and maps of the area and depth of excavation, including OVA readings and soil analytical samples analyzed. Backup documentation includes weigh tickets and disposal manifests. A registered P.G. or registered P.E. certification is required only if the report includes recommendation for no further action (NFA).

19-2. Site Characterization Screening Report: [Per Report]. This pay item is used as a one-time final deliverable for Screening when field work has been performed and includes a completed Site Characterization Screening Worksheet. A registered P.G. or qualified registered P.E. certification is required to attest to the field work portion of the report only and if the report includes recommendation for no further action (NFA).

19-3. General Site Assessment Report: [Per Report]. This pay item is used only for site assessment activities up to the point of initial SA Approval. The report is designed for use as a final deliverable including a Template Site Assessment Report. The level of effort should determine whether this report or a Supplemental Site Assessment Report should be used. The report must be signed and sealed by a registered P.G. or qualified registered P.E.

19-4. Supplemental Site Assessment Report: [Per Report]. This pay item is used only for site assessment activities up to the point of initial SA Approval and is designed to be used for reporting limited site assessment work including Low-Scored Site Initiative assessment work. The level of effort should determine whether this report or General SA Report should be used. The report must be signed and sealed by a registered P.G. or qualified registered P.E.

19-5. Receptor and Exposure Pathway Report: [Per Report]. This pay item is to report the data collected in the Receptor Survey and Exposure Pathway Identification pay item in section 19-2., including photographic documentation using the July 1, 2013 DEP Draft Receptor Survey and Exposure Pathway Identification Form and required attachments. The report must be signed and sealed by a registered P.G. or registered P.E.

19-6. Level 2 Natural Attenuation Monitoring Plan: [Per Plan]. This pay item is used if concentrations are greater than the Natural Attenuation Default Concentrations referenced in Chapter 62-777, F.A.C. for the Petroleum Products Contaminants of Concern as listed in Table A of Chapter 62-780, F.A.C., and to provide technical justification for selection of NAM. Refer to the Department's Remedial Action Guideline BPSS-11 (5/8/98) for more details. **NOTE:** Natural attenuation monitoring plans are not required if concentrations of all chemicals of concern are at or below the Natural Attenuation Default Concentrations referenced in Chapter 62-777, F.A.C. The plan must be signed and sealed by a registered P.E.

19-7. Natural Attenuation or Post RA Monitoring Report, Quarterly or Non-Annual: [Per Report]. This pay item would typically contain information necessary to evaluate the progress of post remediation monitoring or natural attenuation (NA) monitoring for one sampling event. Should provide discussions of results if concentrations have increased to "action" levels or higher. Registered P.E. or P.G. certification is not required unless a recommendation for "No Further Action" or a recommendation to modify the approved monitoring plan is included.

19-8. Natural Attenuation Monitoring Report, Annual: [Per Report]. This pay item provides a more substantial degree of evaluation of the progress of a natural attenuation or post remediation monitoring plan that the quarterly report, including conclusions and recommendations of whether to continue monitoring, validate and re-calibrate any models that may have been used, or re-establish new milestone objectives if necessary. The report must include a conclusions and recommendations section and be signed and sealed by a registered P.G. or registered P.E.

19-9. Pilot Test Plan: [Per Plan]. This pay item is used for pilot testing prior to implementation of the test. All specific goals must be detailed in the pilot test plan including a description of the proposed test, identification of test and measurement points, measurement protocols and expected/minimum duration of tests. The report must describe the proper implementation of the test and the collection of sufficient data to evaluate the feasibility of the proposed technology as well as to effectively design the final system. The plan must be signed and sealed by a registered P.E.

19-10. Pilot Test Report: [Per Report]. This pay item is used to report the results and analysis of pilot testing activities in accordance with Preapproval Program guidance and procedures. All of the specific activities performed during the pilot test must be addressed, including a description of the actual test, identification of test and measurement points, measurement protocols and actual duration of the test. The report must demonstrate the proper implementation of the test and collection of data, as well as evaluation of the feasibility of the tested technology to the effective design of the final system. The report must be signed and sealed by a registered P.E.

19-11. Level 1 Remedial Action Plan: [Per Plan]. This pay item is used when design of a remediation system is needed to clean up the soil and/or groundwater. The report is used when there is a limited area of relatively low levels of contamination and an evaluation of remedial alternatives is not necessary. The report shall include all appropriate tables, figures, maps and construction drawings. The report must be signed and sealed by a registered P.E.

19-12. Level 2 Remedial Action Plan: [Per Plan]. This pay item is used when design of a remediation system is needed to clean up the soil and/or groundwater. The report is used when there is a moderate to large area of contamination and a thorough evaluation of remedial alternatives is necessary. The report includes all appropriate tables, figures, maps and construction drawings. The report must be signed and sealed by a registered P.E.

19-13. Level 1 Limited Scope Remedial Action Plan or RAP Modification Plan: [Per Plan]. This pay item is used for short term remediation of either a single event or multiple episodic events with portable remediation equipment which does not involve an on-site treatment process for recovered water or air emissions. The use of the report is generally limited to short-term or episodic biosparging with mobile equipment or short-term groundwater recovery which meets the requirements for interim source removal of Rule 62-780.300(2) where the site could achieve NFA or qualify for Remediation by Natural Attenuation; or modifications that involve mainly minor system changes such as addition of a recovery well/sparging well to an existing system with that technology, or adding a treatment process to an existing system which involves one or two items. The report includes updated maps and construction drawings. The report must be signed and sealed by a registered P.E.

19-14. Level 2 Limited Scope Remedial Action Plan or RAP Modification Plan: [Per Plan]. This pay item is used for a soil source removal or greater than 200 cubic yards without dewatering design or geotechnical design. The report is also used for modifications such as a limited pumping event which includes on-site treatment and disposal of recovered water or short term intermittent episodic remediation with mobile sparging/SVE system or multi-phase extraction equipment. The report includes updated maps and construction drawings. The report must be signed and sealed by a registered P.E.

19-15. Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan: [Per Plan]. This pay item is used for a soil source removal of greater than 200 cubic yards with dewatering design or geotechnical design, and for large diameter auger soil source removal design. This template is also used for bioremediation or chemical oxidation RAPs. The report must compare the conceptual designs and costs of at least three bioremediation or chemical oxidation vendors and recommend detail design of one based on cost-effectiveness. The report includes all appropriate tables, figures, maps and construction drawings. Although the specific design details may be recommended by a vendor, the preapproval contractor's P.E. must certify that the design is their own responsibility and the implementation of the design will provide a reasonable assurance of performing complete site rehabilitation in accordance with 62-780, F.A.C. The report must be signed and sealed by a registered P.E.

19-16. Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan: [Per Plan]. This pay item is used for major modification to an existing remediation system or addition of a different cleanup technology to a site with an active remediation system (i.e. add in-situ sparging to a site with multi-phase extraction). The report includes all appropriate tables, figures, maps and construction drawings. The report is also used for soil source removal of greater than 200 cubic yards where justification is required for funding of storage system removal and/or replacement, resurfacing, canopy removal and replacement, or other facility restoration expenses in which costs will exceed $10,000 or if dewatering and geotechnical design are included. The report must be signed and sealed by a registered P.E.

19-17. Construction Drawings and Specs Report: [Per Report]. This pay item is used when it is necessary to create the detailed scaled drawings of the intended remediation system that were not already included in the remedial action plan. The specifications of all equipment and materials to be constructed shall be provided. These drawings must be prepared prior to the preparation of as-built drawings. The construction drawings should be of sufficient detail as to materials and methods of construction to serve as project construction drawings. These drawings must be sufficient in detail to provide for fair and competitive bids from subcontractors and to provide for the construction of the project without additional drawings. Typical construction drawings will include: cover page, site vicinity map, remedial system compound layout, recovery well, multi-phase well, air sparing well or soil vapor extraction well details (if needed), piping cross-section, piping and instrumentation diagram (P&ID), electrical controls diagram and equipment pad layout. Symbols on all drawings shall reflect usage established by the American National Standards Institute (ANSI) standards or generally accepted professional standards, abbreviations shall reflect common usage, and graphic scales (or dimensions) will be provided on drawings (except P&ID) to allow for measured scaling. The level of detail of these drawings can be modified based on communications with the DEP during the pre-RAP meeting. This report is generally not allowed in conjunction with excavation only work. Registered P.E. certification is not required.

19-18. As-Built Drawings (P.E. sealed red lined modifications): [Per Drawings]. This pay item is used for red-lined construction drawings and can be regenerated. Construction drawings must be prepared prior to the preparation of as-built drawings. Per subsection 62-780.700(12), F.A.C., these

drawings must include all construction and equipment design specifications and must identify "any operational parameters different from those in the approved Remedial Action Plan." These drawings should include the site name, DEP facility ID number, address and show the types of equipment used. These drawings must be accompanied by an itemized summary of any substantial equipment changes with pertinent technical data (size, capacity, type equipment, electrical requirements, etc.). Although there are no minimum requirements for dimension details, a scale must be provided and all details should be dimensionally consistent (e.g., all lengths identified). When possible, manufacturer data sheets and performance curves should be included. A summary providing reasons for departure from the criteria described in the approved RAP shall be included. "Red-Lined" construction drawings will be considered to be sufficient provided any changes from the original conceptual design to installation are easily discerned and accurately indicated. If completely re-created figures are submitted as as-builts, the general criteria should be identical to those required for construction drawings. Change in equipment specifications, location, or other details must be accurately and completely depicted in a way that will be readily understandable. The as-built drawings must be sealed by a registered P.E.

19-19. Remedial Action Startup Report: [Per Report]. This pay item is typically used for reporting the initial startup of a remediation system. Any information regarding equipment specifications or operation parameters differing from the RAP should be included in the RA Startup Report. This could include equipment changes, modifications to construction drawings (as-builts), and changes in mode of operation (e.g., pulsed operation rather than continuous). An explanation of all troubleshooting methods used to optimize the system startup should be included. This report usually includes a detailing of all system operational parameters and any problems encountered during startup and photo documentation. Registered P.E. certification is not required unless there is a recommendation for a system modification or significant change in the course of action.

19-20. Letter/NPDES Report: [Per Report]. This pay item is typically one to two pages with no tables or graphs. Used when a minimum response is needed such as to acknowledge completed field work where just observations were made. When used for the NPDES report, this pay item is only authorized once per quarter. However, pursuant to paragraph (4) of the Generic Permit for Discharges from Petroleum Contaminated Sites, "Monitoring results obtained for each calendar month shall be summarized and reported on a Discharge Monitoring Report (DMR) form (DEP form 62-620.910(10)) once each month." Contractors are required to utilize the DEP Wastewater Program eDMR electronic reporting system. Therefore, the quarterly report needs to include pdf copies of three monthly eDMR forms. Registered P.E. certification is not required.

19-21. Operation and Maintenance Report, Quarterly or Non-Annual: [Per Report]. This pay item contains all information needed to evaluate the progress of the approved site remediation activities and includes telemetry monitoring data. This report must include a conclusions and recommendations section and all applicable O&M report tables. Registered P.E. certification is not required, unless there are significant proposed changes to the approved RAP.

19-22. Operation and Maintenance Annual Report: [Per Report]. This pay item requires a more substantial degree of evaluation than quarterly reports, including summary, conclusions, discussion and recommendations of how the system may be modified or optimized to more cost-effectively and efficiently continue site remediation. The report must evaluate progress relative to cleanup milestone concentration objectives, establish new milestones if necessary and include telemetry monitoring. The report must include a conclusions and recommendations section and all applicable O&M reporting tables. The report must be signed and sealed by a registered P.E.

19-23. Remedial Action General Report: [Per Report]. This pay item is typically used for sites where the entire remediation strategy implemented is bioremediation or chemical oxidation, including chemical enhancement (i.e., ORC injection) with no mechanical equipment design. This report may also be used for any type of short term limited scope remediation events. This report also may be used to report the results of episodic remediation events or supplemental site assessment after SAR approval. The level of effort should determine whether this pay item or the Remedial Action Interim Report should be used. This report must be signed and sealed by a registered P.G. or registered P.E.

19-24. Remedial Action Interim Report: [Per Report]. This pay item can be used in several different post-SAR situations where there is a need for evaluation and discussion of activities and data pertaining to interim events that occur after SAR approval but are not addressed in other specific RAP or RA reports, including but not limited to well installation (monitoring or remediation), soil screening and verification sampling and associated updates of maps and tables. The report should provide documentation, including testing and analytical results, evaluation and discussion of completed work and activities. This report may be tasked in additional to and concurrent with a RAP, RAP Mod, RA Startup or other RA report if significant supplemental assessment activities are to be performed. This report should be used to report analytical results obtained during the remedial action phase following chemical injection or injection of products utilized to increase biological activity. This report also may be used to report the results of episodic remediation events. The level of effort should determine whether this pay item or the General Remedial Action Report should be used. Registered P.E. or P.G. certification is not required unless there is a recommendation for a system modification or significant change in the course of action.

19-25. Free Product Recovery Report: [Per Report]. This pay item documents the effectiveness of FPR efforts from hand bailing, absorbent socks, passive skimmers, and other non-engineered recovery methods. Registered P.E. or PG. certification is not required.

19-26. Well Abandonment/Site Restoration Report: [Per Report]. This is a minimal report to document well (and vault) abandonment and/or site restoration activities when well abandonment and/or site restoration was the only task performed and requires photo documentation. Registered P.E. or P.G. certification is not required.

20. PERSONNEL (Excluding Professional Engineer and Professional Geologist): The following pay items are fully loaded hourly personnel labor rates to be used for activities not otherwise covered by the Contract fixed price schedule and requires pre-approval from the DEP Project Manager. Where applicable, when fractional parts of an hour are worked they shall be payable to the nearest quarter-hour. While the minimum qualifications are expected to be met for particular personnel classifications, the labor category and associated rate are determined by the scope of service being tasked, not the individual person actually providing the service (e.g., if a qualified technician is specified but the Contractor assigns a geologist to do the work, the applicable rate paid would be that of a technician. See Contract Descriptions of DEP Labor Categories located Appendix I for additional details.

NOTE: The Contractor must provide notification the DEP Contract Manager of any changes in the **Key** personnel identified in their response to the solicitation and/or upon execution of a contract with the DEP. Such notification shall include a detailed reason(s) for the need to change personnel and the Contractor must provide replacement personnel with equal or greater qualifications and experience.

Unless otherwise specified, the following pay items **INCLUDE**:

a. All overhead, project management, general and administrative expenses, indirect expenses,

and profit.

Unless otherwise specified, the following pay items do **NOT INCLUDE**:

a. Professional engineers and professional geologists (Use negotiated costs).

20-1. Program Manager (**Key**): [Per Hour].

20-2. Project Manager (**Key**): [Per Hour].

20-3. Engineer (**Key**): [Per Hour].

20-4. Geologist/Geoscientist (**Key**): [Per Hour].

20-5. Hydrogeologist/Modeler (**Key**): [Per Hour].

20-6 Scientist/Technical Specialist (**Key**): [Per Hour].

20-7. Assistant Scientist/Technical Specialist: [Per Hour].

20-8. Field Technician (**Key**): [Per Hour].

20-9. Draftsperson: [Per Hour].

20-10. Administrative Staff: [Per Hour].

20-11. Laborers and Security Guards: [Per Hour].

21. PROFESSIONAL ENGINEERING AND PROFESSIONAL GEOLOGY SERVICES: The following items and activities deemed to be or require Professional Engineering or Professional Geology Services are not included in the Schedule of Pay Item Prices required to be provided in the response to the solicitation. Costs for these items and activities will be negotiated with those responsive and responsible Respondents selected for consideration of a contract award based on criteria which excludes costs for Professional Engineering and Professional Geology Services.

21-1. Professional Engineer (**Key**): [Per Hour].

21-2. Professional Geologist (**Key**): [Per Hour].

21-3. P.G. Field Oversight of Drilling and Boring and Soil-Boring Logging.

21-4. P.G. Field Oversight of Well Installation.

21-5. P.E. Project Oversight for Remediation Technology Pilot Testing.

21-6. P.E. Project Oversight for Remediation System Integration and Startup.

21-7. P.E. Project Oversight for Short Term or Episodic Remediation System Operation.

21-8. P.E. Project Oversight for Remediation System Operation and Maintenance activities.

21-9. P.E. Review and Certification of Sufficiency of Engineering Controls (other than permanent, impermeable surface or top two feet of clean fill), with Monitoring and Maintenance Recommendations Required for a Conditional No Further Action (NFA).

21-10. P.G. Review and Certification of Sufficiency of Engineering Controls Limited to Permanent, Impermeable Surface or Top Two Feet of Clean Fill with Monitoring and Maintenance Recommendations Required for a Conditional NFA.

21-11. P.E. Design and Certification of Plans and Project Oversight of installation of Engineering Controls (other than permanent, impermeable surface or top two feet of clean fill) Required for a Conditional NFA.

21-12. P.G. review, evaluation and certification of plans, installation, and project oversight for Engineering Controls that are limited to permanent, impermeable surface or top two feet of clean fill required for a conditional NFA.

21-13. P.G. or P.E. Review, Evaluation and Certification of a Soil Source Removal Report That Includes a Recommendation for NFA.

21-14. P.G. or Qualified P.E. Review, Evaluation and Certification of a Site Characterization Screening Report Attesting to the Field Work Portion Only and if the Report Includes a Recommendation for NFA.

21-15. P.G. or Qualified P.E. Review, Evaluation and Certification of a General Site Assessment Report.

21-16. P.G. or Qualified P.E. Review, Evaluation and Certification of a Supplemental Site Assessment Report.

21-17. P.G. or P.E. Review, Evaluation and Certification of a Receptor and Exposure Pathway Report.

21-18. P.E. Review, Evaluation and Certification of a Level 2 Natural Attenuation Monitoring Plan.

21-19. P.E. Review, Evaluation and Certification of a Non-Annual Natural Attenuation or Post RA Monitoring Report That Includes a Recommendation for NFA or a Recommendation to Modify the Approved Monitoring Plan.

21-20. P.G or P.E. Review, Evaluation and Certification of an Annual Natural Attenuation Monitoring Report.

21-21. P.E. Review, Evaluation and Certification of a Pilot Test Plan.

21-22. P.E. Review, Evaluation and Certification of a Pilot Test Report.

21-23. P.E. Review, Evaluation and Certification of a Level 1 Remedial Action Plan.

21-24. P.E. Review, Evaluation and Certification of a Level 2 Remedial Action Plan.

21-25. P.E. Review, Evaluation and Certification of a Level 1 Limited Scope Remedial Action Plan or RAP Modification Plan.

21-26. P.E. Review, Evaluation and Certification of a Level 2 Limited Scope Remedial Action Plan or RAP Modification Plan.

21-27. P.E. Review, Evaluation and Certification of a Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan.

21-28. P.E. Review, Evaluation and Certification of a Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan.

21-29. P.E. Review, Evaluation and Certification of As-Built Drawings (P.E. sealed red lined modifications).

21-30. P.E. Review, Evaluation and Certification of a Remedial Action Startup Report That Includes a Recommendation for System Modification or Significant Change in the Course of Action.

21-31. P.E. Review, Evaluation and Certification of a Non-Annual Operation and Maintenance Report That Includes Significant Proposed Changes to the Approved RAP.

21-32. P.E. Review, Evaluation and Certification of an Annual Operation and Maintenance Report.

21-33. P.G or P.E. Review, Evaluation and Certification of a Remedial Action General Report.

21-34. P.G or P.E. Review, Evaluation and Certification of an Interim Remedial Action Report That Includes a Recommendation for System Modification or Significant Change in the Course of Action.

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APPENDIX I

SCOPE OF WORK APPENDIX

Petroleum Contamination Site Response Action Services

A. LAWS AND REGULATORY SPECIFICATIONS

Regulatory Authority

Authorization and funding of Florida's Petroleum Restoration Program is governed primarily by section 376.3071, Florida Statutes (F.S.) with funding from the Inland Protection Fund (IPTF). Additional related statutory provisions are included in sections 120.542, 206.01, 206.86, 206.9935, 215.422, 287.0585, 376.301, 376.305, 376.308, 376.3072, 376.3073, 376.3075, 376.30702, 376.30711, 376.30713, 376.30714, 376.30715, and 376.30716, F.S.

The primary DEP regulations applicable to work under this Contract include; Chapter 62-780, Florida Administrative Code (F.A.C.), Contaminated Site Cleanup Criteria, Chapter 62-777, F.A.C. – Contamination Cleanup Target Levels, Chapter 62-160, F.A.C. – Quality Assurance, Chapter 62-771, F.A.C. – Petroleum Contamination Site Priority Ranking, Chapter 62-761, F.A.C. – Underground Storage Tank Systems and Chapter 62-762, F.A.C. – Above Ground Storage Tank Systems.

The Contractor is responsible for complying with **ALL** State and Federal Laws and Regulations applicable to furnishing and performance of work as stated in the Contract.

Guidance Documents and Forms

The primary DEP guidance documents and forms applicable to work under this Contract are available on the Petroleum Restoration Program website @ http://www.dep.state.fl.us/waste/categories/pcp/default.htm, or by calling Susan Fields at (850) 245-8828, and include:

Note: These guidance documents are subject to change and revision. Also a number of them include references to the former Preapproval Program and former Bureau of Petroleum Storage Systems. These references will be updated in future revisions.

	DEP GUIDANCE DOCUMENTS AND FORMS					
	Title	**References***	**Site Assess.**	**Remedial Options and Design**	**RA Impl.**	**Site Closure**
1.	Applicability of Soil Cleanup Target Levels at Contaminated Sites (9/29/00)	62-713, FAC; 62-777, FAC; 62-782, FAC; 62-785, FAC	X	X	X	X
2..	Approval to Construct Class V, Group 4 Injection Wells for Contaminated Site Rehabilitation (9/14/12)	373, FS; 62-538, FAC		X	X	
3.	BPSS Enforcement of Laboratory NELAP Certification Requirements (2/15/07)	62-160, FAC; *62-770, FAC	X	X	X	X
4.	BPSS Field Notes Guidance (4/25/12)	FD 1000	X	X	X	X
5.	BPSS PCS-003: Complete Streamlined Assessment Procedures for Inland Protection Trust Funded Sites (9/1/01)	62-777, FAC	X			

	DEP GUIDANCE DOCUMENTS AND FORMS					
	Title	References*	Site Assess.	Remedial Options and Design	RA Impl.	Site Closure
6.	BPSS PCS-004: Soil Sampling and Sampling Methods (10/1/01)	62-770, 62-777, *17-70, FAC	X	X	X	X
7.	BPSS PCS-005: Groundwater Sampling Standard Operating Procedures Variances and Clarifications for Bureau of Petroleum Storage System Sites (5/2/05)	62-160, FAC	X	X	X	X
8.	BPSS PCS-006: Design, Installation, and Placement of Monitoring Wells (5/2/05)	*62-770, FAC; 62-777, FAC**	X	X	X	X
9.	BPSS-1: Non Petroleum Contamination at Petroleum Contaminated Sites (5/1/98)	None	X	X	X	X
10.	BPSS -2: In Situ Sparging, Pilot Studies, Design Requirements (5/1/98)	None		X		
11.	BPSS-3: Design Requirements and Procedures for NPDES Discharges (5/1/98)	None		X	X	
12.	BPSS-4: Vacuum Extraction, Multi-Phase Extraction, Pilot Studies, Air Emissions Treatment and Monitoring Requirements (5/10/00)	*62-770, FAC; 62-777, FAC		X	X	
13.	BPSS-5: Record Drawings (6/4/98)	*62-770, FAC		X	X	
14.	BPSS-6: Modifications to Approved RAPs (5/1/98)	None		X	X	
15.	BPSS-7: Administrative Procedures (5/1/98)	*62-770, FAC	X	X	X	X
16.	BPSS-8: Effluent Disposal via Injection Well (6/8/00)	62-528, FAC; 62-520, FAC; 62-550, FAC; 62-777, FAC		X	X	
17.	BPSS-9: PE Certification Requirements (5/1/98)	471, FS	X	X	X	X
18.	BPSS-10: In Situ Chemical Additives (3/11/11)	*62-770, FAC; 62-777, FAC; 62-550, FAC; 62-528, FAC; 62-522, FAC	X	X	X	
19.	BPSS-11: Natural Attenuation Evaluation Procedures (5/1/98)	*62-770, FAC	X	X	X	
20.	BPSS-12: Pilot Test Guidelines for Pre-Approval Program Sites (2/3/04)	None		X		
21.	BPSS-12A: In-Situ Air Sparging Pilot Test Guidance (9/2/03)	None		X		
22.	BPSS-12B: Soil Vapor Extractions Pilot Test Guidance (9/2/03)	None		X		
23.	BPSS-12C: Biosparging Pilot Test Guidance (9/2/03)	None		X		
24.	BPSS-12D: Multi-Phase Extraction Pilot Test Guidance (9/2/03)	None		X		
25.	BPSS-12E: Bioventing Pilot Test Guidance (9/2/03)	None		X		
26.	BPSS-12F Groundwater Recovery Guidance (1/30/04)	None		X	X	
27.	Calculated SCTLs for TRPH Fractions Based on TPHCWG and MADEP Methods (4/17/05)	62-777, FAC	X	X	X	X

	DEP GUIDANCE DOCUMENTS AND FORMS					
	Title	References*	Site Assess.	Remedial Options and Design	RA Impl.	Site Closure
28.	Clarification of Analytical Requirements of the Generic Permit for Discharges from Petroleum Contaminated Sites (8/6/10)	62-620, FAC; 62-621, FAC; 403, FS		X	X	
29.	DEP Quality Assurance Program Field SOPs (001/01)-see www.dep.state.fl.us/water/sas/sop/sops.htm	62-160, FAC	X	X	X	X
30.	Difficult Sites Memo (5/21/03)	*62-770, FAC; 62-777, FAC		X	X	
31.	Draft Petroleum Product Indoor Vapor Intrusion Guidelines (8/16/13)	62-780, FAC,	X	X	X	X
32.	Draft Receptor Survey & Exposure Pathway Identification Form and required attachments (7/4/13)	None	X	X	X	X
33.	Executive Summary of Source Removal Guidance for Preapproval Program Sites (2-15-2007)	376, FS		X	X	
34.	Free Product Recovery Initiative Guidance Revised (1/15/08)	376, FS	X	X	X	
35.	Generic Permit for Short Term Discharges from Petroleum Contaminated Sites, Supplemental Procedural Guidance (6/23/04)	62-621, FAC		X	X	
36.	Guidance and Procedures for Implementation of the Statutory Rule Notification Requirements for Discovery of Contamination Beyond Property Boundaries (12/21/07)	1003.01, FS; 376.30702, FS; *62-770, FAC; 62-780, FAC; 62-782, FAC; 62-785, FAC	X	X	X	X
37.	Guidance for Access to Railroad Properties that are contaminated by Petroleum Sites That Are Eligible for State Funded Cleanup Where the Railroad Property is Not the Source of Contamination (10/15/03)	376, FS; Title 49, Part 214, Code of Federal Regulations	X	X	X	X
38.	Guidance for Comparing Background and Site Chemical Concentrations in Soil (January 2012)	62-780, FAC	X	X	X	X
39.	Guidance for Completing the Groundwater Sampling Log (Form FD 9000-24) for Chapter 62-770, F.A.C.	62-770, FAC	X	X	X	X
40.	Guidance for the Determination of Subsequently Discovered Discharges at Sites with Preexisting Eligible Petroleum Discharges Pursuant to Section 376.30716, Florida Statutes (2-15-2007)	62-761, FAC; *62-770, FAC; 376, FS; 67.30716(4), FS	X	X	X	X
41.	Guidance on Site Assessment and Supplemental Assessment Report Preparation for Petroleum Preapproval Sites (10/29/98)	376, FS; 492, FS; *62-770 FAC	X	X	X	X
42.	Institutional Controls Procedures Guidance (June 2012)	62-777, FAC; 62-780, FAC; 62-782, FAC; 62-785, FAC; *62-770, FAC; 5J-17, FAC; 319, FS; 320, FS; 321, FS; 322, FS; 373, FS; 376, FS; 403, FS	X	X	X	X

	DEP GUIDANCE DOCUMENTS AND FORMS					
	Title	References*	Site Assess.	Remedial Options and Design	RA Impl.	Site Closure
43.	Interim Guidance for Laboratory Analyses for Soil Samples for Petroleum Contamination Site Assessments (2/3/98)	*62-770, FAC	X	X	X	X
44.	Investigations Near Petroleum Storage Systems (9/25/00)	None	X	X	X	
45.	LTNAM Procedure and Technical Guidance with Attachments (1/20/11)	376.3071, FS, *62-770, FAC, 62-777, FAC		X	X	
46.	Memorandum of Understanding with DOT Regarding Petroleum Cleanup and Right of Way (10/29/12)	376, FS; 403, FS; 334, FS; 337, FS;339, FS; *17-70, FAC	X	X	X	X
47.	Off-Site Access Instructions-All Contractors (3/2/12)	376.3071(4)(1), FS	X	X	X	X
48.	Preapproval Program Allowable Cost Related to recommendation for NFA with condition (9/1/11)	61-770, FAC	X	X	X	X
49.	Preapproval Program Backfill Quality Assurance Procedures for Site Undergoing Excavation (Updated 10/10/10)	62-173 FAC		X	X	
50.	Preapproval Program Guidance for Technical and Cost Justification for Contaminated Soil Source Removal (February 2007)	*62-770, FAC; 376, FS		X	X	
51.	Preapproval Program Policy on Disclosure of Relationships between Preapproval Program Contractors and Subcontractors for Professional Engineering and Geological Services (9/30/04)	None	X	X	X	X
52.	Priority Pollutant Volatile and Extractable Organics (8/11/10)	62-770, FAC	X	X	X	X
53.	Procedural and Technical Guidance for Site Characterization Screening (7/1/12)	*62-770, FAC	X			X
54.	Professional Certification of Technical Documents (3/31/00)	471, FS; 472, FS	X	X	X	X
55.	Quality Assurance - Basic Dilution Principles Supplement to the BPSS Memorandum "Quality Assurance and Related Issues" (6/10/10)	62-160, FAC; *62-770, FAC	X	X	X	X
56.	Quality Assurance and Related Issues (5/14/07)	62-160, FAC; *62-770, FAC; 62-777, FAC	X	X	X	X
57.	Revised Policy on Establishment and Use of Milestones for Evaluating the Operation of Active Remediation Systems in the Preapproval Program (4/19/99)	None		X	X	
58.	Revised Procedures and Required Documentation for the Transfer of Title, Registration and Licensure of State-Owned Remediation System Trailers (Supersedes memo of same title dated 12/14/04) (2/28/05)	319, FS; 320, FS;			X	
59.	Rounding Analytical Data for Site Rehabilitation Completion (11/17/11)	62-302, FAC, 62-520, FAC, 62-777, FAC	X	X	X	X
60.	Sample Site Access Agreement for State Cleanup Contractors (3/12/12)	768.28, FS	X	X	X	X
61.	Soil Cleanup Target Levels, Application to Site	62-777, FAC; *62-770,	X	X	X	

	DEP GUIDANCE DOCUMENTS AND FORMS					
	Title	References*	Site Assess.	Remedial Options and Design	RA Impl.	Site Closure
	Rehabilitation Discussions (2/1/11)	FAC				
62.	SPLP Procedures for Petroleum Contaminated Sites (3/8/10)	*62-770, FAC	X	X	X	X
63.	State-Owned Tangible Personal Property Procedures an Requirements (Revised) (3/3/08)	273, FS; Section 10.370 Auditor Guidance; DEP Directives 320			X	
64.	Supplement to Milestone Policy - Time to Switch Evaluation Procedures (9/6/01)	62-777, FAC		X	X	
65.	Supplemental Guidance for 62-770.300 Interim Soil Source Removal (2/15/07)	*62-770, FAC		X	X	
66.	Supplemental Guidance for Air Emissions Control from Active Remedial Action Systems (11/24/09)	*62-770, FAC		X	X	
67.	Use of Out-of-State Facilities for Soil Treatment, Disposal, or Sources of Backfill for Preapproval Program Sites (5/20/08)	62-713, FAC	X	X	X	X
*All rule references include any subsequent replacement rules. Note, 62-770 and its predecessor 17-70 are now part of 62-780, effective 6/12/13.						
**ASTM, Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers (D5092-90, Reapproved 1995).						
**ASTM, Standard Guide for Decommissioning of Ground Water Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environmental Activities (D5299-92).						
**ASTM, Standard Guide for Use of Hollow-Stem Augers for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices (D5784-95, Reapproved 2000).						
**ASTM, Standard Guide for Installation of Direct Push Ground Water Monitoring Wells (D6724-01).						
**ASTM, Standard Guide for Direct Push Installation of Prepacked Screen Monitoring Wells in Unconsolidated Aquifers (D6725-01).						
**USEPA, Environmental Investigations Standard Operating Procedure and Quality Assurance Manual, Section 6: Design and Installation of Monitoring Wells, November 2001						

B. CONTRACT DESCRIPTIONS OF DEP LABOR CATEGORIES AND QUALIFICATIONS

The following table lists the DEP Labor Categories with functional areas of expertise, identification of Key Personnel, descriptions of the required qualifications, and typical duties. **Required experience performed is defined by the typical duties listed for each category and is specific to environmental site investigations, engineering and/or remediation.** An individual may fill a position in more than one labor category but this individual must meet all of the minimum qualifications and experience requirements listed under each category.

NOTE: "Key Personnel" shall have technical education and experience, in fields relevant to the petroleum response cleanup program, and if in a professional category, shall also possess a correspondingly appropriate degree such as engineering, geology, environmental science or other related science.

NOTE: "Key Personnel" shall have the following abilities and experience as applicable to their position:

1. Ability to implement and interpret biological and/or water quality monitoring data;

2. Ability to perform groundwater flow analysis and/or contaminant fate and transport analysis;

3. Ability to perform scientific and engineering analysis regarding the occurrence and processes that control the migration of dissolved contaminants in groundwater such as transport processes in heterogeneous and fractured media, hydrochemical behavior of contaminants and the evaluation of natural attenuation of contaminants including aerobic and anaerobic degradation of petroleum hydrocarbons as well as the application of degradation rates;

4. Prior direct participation on groundwater restoration projects that resulted in groundwater meeting applicable cleanup target levels or site cleanup by using several approaches such as Air Sparge/Soil Vapor Extraction, enhanced bioremediation, chemical oxidation, excavation, or other remedial technologies;

5. Prior Involvement and understanding of the petroleum cleanup regulatory process including site closure using risk-based criteria and/or institutional controls; and

6. Prior direct participation in authoring documents such as Site Assessment Reports, Remedial Action Plans, and Site Rehabilitation Completion proposals with our without conditions.

DESCRIPTIONS OF DEP LABOR CATEGORIES AND QUALIFICATIONS		
Labor Category	**Qualifications**	**Typical Duties**
Program Manager (**Key**)	Bachelor's degree in Physical Science, Natural Science, or Engineering. Six (6) years of experience applicable to their position. Authorized to legally bind the contracted firm and be the contact person for all issues regarding the Terms and Conditions of the contract. May be involved in complex special projects as a contract liaison. Must be a direct employee of the Contractor. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	Maintains a complete and effective project team. Ensures compliance with the contract and programmatic requirements. Formally requests the addition or substitution of personnel and subcontractors as needed.
Project Manager (**Key**)	Bachelor's degree in Physical Science, Natural Science, or Engineering. Six (6) years of experience performing environmental site investigations. Three (3) years direct experience in DEP Petroleum Cleanup rules, guidance, and contaminants, including the management and supervision of multidisciplinary environmental personnel. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	Supervises all activities at site and serves as primary day-to-day contact for the DEP Project Manager. Prepares the work plans and necessary amendments with appropriate justification. Reviews elements of project work plans and specifications. Implements and oversees the technical and administrative execution of Task assignments. Manages project scope, budget, and schedule. Verifies data QA/QC procedures. Reviews deliverables for quality, accuracy, and compliance with contract requirements. Ensures timely and correct invoicing. Maintains compliance with DEP regulations and policies.
Professional Geologist (**Key**)	Professional Geologist (PG) currently licensed in the State of Florida and in good standing with the Florida Board of Professional Geologists. Five (5) years of experience performing environmental site investigations and meets the qualifications of a Geologist as outlined under that labor category. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	Supervises all geological aspects of the project(s). Directs geological fieldwork and reviews report elements of a geological nature. Oversees aquifer tests. Seals documents as appropriate. Responsible for Geologist(s).

DESCRIPTIONS OF DEP LABOR CATEGORIES AND QUALIFICATIONS		
Labor Category	**Qualifications**	**Typical Duties**
Professional Engineer (**Key**)	Professional Engineer (PE) currently licensed in the State of Florida and in good standing with the Florida Board of Professional Engineers. Five (5) years of experience performing environmental and remediation engineering at petroleum cleanup projects and meets the qualifications of an Engineer as outlined under that labor category. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	Supervises all engineering aspects of the project(s). Directs engineering evaluations of remedial options, remedial plans and designs and fieldwork and reviews report elements of an engineering nature. Oversees remediation technology pilot tests, remediation system installations and startups. Seals documents as appropriate. Responsible for Engineer(s).
Geologist/ Geoscientist (**Key**)	Degree in Geology or Geoscience or Professional Geologist (PG) currently licensed in the State of Florida and in good standing with the Florida Board of Professional Geologists. One (1) year of experience performing environmental site investigations. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	All duties performed under supervision of the Professional Geologist. Logs and field screens soil borings. Collects samples. Supervises installation of wells. Interprets field data. Reviews environmental data. Prepares reports and other submittals.
Hydrogeologist/ Modeler (**Key**)	Bachelor's degree in Physical Science, Natural Science, or Engineering. Four (4) years of experience performing environmental site investigations. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	Oversees aquifer tests. Analyzes hydrologic processes and aquifer test data. Evaluates fate and transport of contaminants. Performs computer modeling. Interprets groundwater data. Prepares reports and other submittals.
Engineer (**Key**)	Degree in Engineering or Professional Engineer (PE) currently licensed in the State of Florida and in good standing with the Florida Board of Professional Engineers. One (1) year of experience performing environmental and remediation engineering at petroleum cleanup projects. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	All duties performed under supervision of the Professional Engineer. Reviews and interprets field data. Performs engineering evaluations of remedial options, prepares remedial plans and designs and other report elements of an engineering nature. Oversees remediation technology pilot tests, remediation system installations and startups. Prepares reports and other submittals.
Scientist/Technical Specialist (**Key**)	Bachelor's degree in Physical Science, Natural Science, or Engineering. Three (3) years of experience performing environmental site investigations; or two (2) years of experience as an Assistant Scientist/Technical Specialist functioning under the direct supervision and authority of an appropriate Key Personnel labor category of this Contract. Shall have the education, degree, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	Evaluates and interprets technical data. Conducts risk and ecological assessments/surveys. Oversees field aspect of remediation events and excavations. Interfaces with landowners to obtain site access, deed recordation, etc. Prepares reports and other submittals.
Assistant Scientist/ Technical Specialist	Bachelor's degree in Physical Science, Natural Science, or Engineering. No experience with environmental site investigations required. All work must be under the direct supervision and authority of an appropriate Key Personnel labor category of this Contract.	Provides assistance and support functions for any key personnel labor categories.

DESCRIPTIONS OF DEP LABOR CATEGORIES AND QUALIFICATIONS		
Labor Category	**Qualifications**	**Typical Duties**
Field Technician (**Key**)	Two (2) years experience performing environmental site investigations; or one (1) year of experience as an Assistant Scientist/Technical Specialist functioning under the direct supervision and authority of an appropriate Key Personnel labor category of this Contract. Shall have the education, abilities and experience applicable to their position listed for "Key Personnel" in section B above.	Collects water, soil, and air samples in accordance with appropriate protocols. Measures groundwater elevations. Oversees field aspect of remediation events. Troubleshoots field equipment and makes simple repairs. Documents field observations. Oversees plugging and abandonment of wells.
Draftsperson	Degree or certification equivalent in drafting or computer-aided design (CAD). Two (2) years experience in the respective field.	Prepares to-scale drawings including all details as required by the DEP.
Administrative Staff	Proficiency in performing applicable duties.	Ensure timely and accurate delivery of correspondence, project reports, and invoices, etc. A sufficient number of administrative staff must be available.
Laborers and Security Guards	Proficiency in performing applicable duties.	Ensures timely and accurate delivery of services. Perform manual labor associated with environmental work. A sufficient number of laborers and security guards must be available.

C. Technical Report and Deliverable Related Time Frames

CONTRACTOR TECHNICAL REPORT AND DELIVERABLE RELATED TIME FRAMES	
As-Built Drawings	Submit within 120 days of initiation of operation of active remediation system or per Work Order or Task Assignment, whichever is less
Bid Package	Submit per Task Assignment
Boring Logs	Submit per Task Assignment
Chain of Custody	Submit per Task Assignment
Closure Report	Submit per Task Assignment
Construction Drawings	Submit per Task Assignment
Disposal Manifest	Submit per Task Assignment
Effluent Concentrations or Air Emissions Exceed Those Approved in RAP or Plume Migration Occurs	Take corrective action and notify DEP/LP within 7 calendar days if not imminent threat and within 24 hours if imminent threat
Evaluation of Remedial Alternatives	Submit per Task Assignment
Field Notes	Submit per Task Assignment
Forensic Site Investigation Report	Submit per Task Assignment
Free Product Removal Report	Submit per Task Assignment
General Remedial Action Report	Submit per Task Assignment
Groundwater Sampling Logs	Submit per Task Assignment

CONTRACTOR TECHNICAL REPORT AND DELIVERABLE RELATED TIME FRAMES	
Health and Safety Plan	Submit per Task Assignment
Interim Report	Submit per Task Assignment
Laboratory Report	Submit per Task Assignment
Letter Report	Submit per Task Assignment
Limited Contamination Assessment Report Addendum	Submit within 60 days of receipt of comments or per timeframe in comment letter
Limited Scope Remedial Action Plan	Submit per Task Assignment
Maps and/or Tables	Submit per Task Assignment
Natural Attenuation Monitoring (NAM) Plan	Submit per Task Assignment
Natural Attenuation Monitoring (NAM) Plan Addendum/Response	Submit within 30 days of receipt of comments or per timeframe in comment letter
Natural Attenuation Monitoring Report	Submit per Task Assignment
No Further Action Proposal (NFAP) Addendum/Response	Submit within 30 days of receipt of comments or per timeframe in comment letter
NPDES Discharge Monitoring Report	Submit per Task Assignment
O&M Report	Submit per Task Assignment
Other Report Type	Submit per Task Assignment
PBC Maintain Target Levels Report	Submit per Task Assignment
PBC Milestone Report	Submit per Task Assignment
PBC System Startup Report	Submit per Task Assignment
PBC Target Levels, All Contaminants, All Media	Submit per Task Assignment
PBC Verification Sampling Report	Submit per Task Assignment
Photo Documentation	Submit per Task Assignment
Pilot Test Plan	Submit per Task Assignment
Pilot Test Report	Submit per Task Assignment
Post Active Remediation Monitoring Plan (PARM)	Submit per Task Assignment
Post Active Remediation Monitoring (PARM) Report	Submit per Task Assignment
Property Reporting Form	Submit per Task Assignment
Remedial Action Letter Report	Submit per Task Assignment
Remedial Action Plan (RAP)	Submit per Task Assignment
Remedial Action Plan (RAP) Addendum/Response	Submit within 60 days of receipt of comments or per timeframe in comment letter

CONTRACTOR TECHNICAL REPORT AND DELIVERABLE RELATED TIME FRAMES	
Remedial Action Plan (RAP) Modification or alternative CTL or Change in Monitoring of Operation Parameters Proposal	Submit per Task Assignment
Remedial Action (RA) Start Up Report	Submit per Task Assignment
Remedial Action (RA) Status Reports	Submit per Task Assignment
Response to Non-Technical Comments	Submit per timeframe in comment letter
Request for Modification of Time Frame	Submit at least 20 days prior to date action required (unless emergency conditions)
Risk Assessment Report	Submit within 90 days of approval of recommendation to prepare
Risk Assessment Report Addendum/Response	Submit within 60 days of receipt of comments or per timeframe in comment letter
Source Removal (SR) Report	Submit within 60 days of SR completion or per Task Assignment, whichever is less
SR Report Addendum/ Response to Comments	Submit within 60 days of receipt of comments or per timeframe in comment letter
Site Assessment (SA) Report	Submit per Task Assignment
SA Report Addendum/Response to Comments	Submit within 60 days of receipt of comments or per timeframe in comment letter
Site Access Agreement	Submit per Task Assignment
Site Characterization Screening Report	Submit per Task Assignment
Site Rehabilitation Completion Report (SRCR)	Submit as soon as all required information is available
Site Rehabilitation Completion Report (SRCR) Addendum/Response	Submit within 30 days of receipt of comments or per timeframe in comment letter
Status Report	Submit per Task Assignment
Supplemental Site Assessment Report	Submit per Task Assignment
Template Site Assessment Report	Submit per Task Assignment
Weight Tickets	Submit per Task Assignment
Well Abandonment Report	Submit per Task Assignment
Well Logs	Submit per Task Assignment

D. PROPOSAL PROCESS (Format and Content):

The Contractor's Program Manager is the same entity as the Contractor Contract Manager listed in the contract and is authorized to legally bind the contracted firm. This person is also the contact person for all issues regarding the Terms and Conditions of the contract.

The Contractor's Project Manager is the entity designated by the Contractor's Program Manager to manage the cleanup site and interact directly with the DEP's Project Manager on all issues pertaining to the task assignments. This person may be authorized to sign task assignments and invoices on behalf of the contracted firm if delegated that role by the Contractor's Program Manager.

The DEP's Contract Manager is the entity listed with that title in the contract and, while not typically delegated the authority legally bind the DEP in the contract, is the contact person for all issues regarding the Terms and Conditions of the contract and the entity that signs all task assignments and task assignment change orders.

The DEP's Project Manager is the entity assigned by the DEP to manage the cleanup site and interact directly with the Contractor' Project Manager on all issues pertaining to the task assignments. This person provides the initial signature on all task assignments and task assignment change orders.

The DEP may use the services of Contract Managers and Project Managers employed by a contracted Local Program to assist in the management of cleanup sites and those entities may act in the same capacity as the DEP staff subject to the terms of their contract and subject to additional DEP approval.

For a new site, the DEP will contact the Contractor Program Manager who shall determine the Contractor Project Manager for the site. The DEP Project Manager will communicate project requirements to the Contractor Project Manager and makes appropriate site records available for review. The Contractor Project Manager must submit a task assignment proposal to the DEP Project Manager for approval.

The task assignment proposal shall be completed and submitted no later than one week from the Contractor's receipt of site records and agreement on project requirements between the Contractor Project Manager and the DEP Project Manager. The re-submittal of the task assignment proposal, as necessary, is due one week after the Contractor's receipt of DEP written comments and/or annotations on the previous submittal. Format, content, schedule, and submittal requirements for task assignment proposal also apply to task assignment amendments.

File Copies: The DEP will make site records available to the Contractor for review. In most cases all site files are available on-line in the OCULUS electronic file system.

Proposal Delivery: Task assignment proposals may be hand delivered, mailed or sent via e-mail. E-mailed proposals shall be sent to the program provided e-mail address and copied to the designated DEP Project Manager.

Proposal Format: The proposal shall include a detailed description of the proposed scope of work (grouped by tasks, as applicable), schedule for completion, and pay item list with price estimate (grouped by task, as applicable, and cumulative).

Justification for the scope of work shall be provided in the context of how it will move the site towards closure. The scope of work shall contain an outline of activities with a description of the tasks to be performed.

The list of pay items requested should be presented in a spreadsheet landscape form printout of nine columns in the following order:

1. Pay Item Number
2. Pay Item Description
3. Units
4. Unit Price
5. Previous Quantity
6. Additional Quantity
7. Total Quantity
8. Total Price
9. Proposed Subcontractor(s)
10. Justification/Notes

E. Acronyms

a. ANSI – American National Standards Institute
b. AS – Air Sparge
c. ASTM – American Society of Testing and Materials
d. BLS – Below land Surface
e. BPSS – Bureau of Petroleum Storage Systems
f. BTEX – Benzene, Toluene, Ethyl Benzene and Total Xylenes
g. CaCO3 – Calcium Carbonate
h. CAD – Computer Aided Design
i. CATOX – Catalytic Oxidizer
j. CD – Compact Disk
k. CFR – Code of Federal Regulations
l. CO2 – Carbon Dioxide
m. COC – Chemical of Concern
n. CTL – Cleanup Target Level
o. DEP – Florida Department of Environmental Protection
p. DIPE – Diisopropyl Ether
q. DMR – Discharge Monitoring Report
r. DO – Dissolved Oxygen
s. DOH – Florida Department of Health
t. DPT – Direct Push Technology
u. DOT – Florida Department of Transportation
v. ECD – Electron Capture Detector
w. EDB – Ethylene Dibromide
x. ETBE – Ethyl Tertiary Butyl Ether
y. EPA – United States Environmental Protection Agency
z. FAC – Florida Administrative Code
aa. FID – Flame Ionization Detector
bb. FP – Free Product
cc. FPR – Free Product Recovery
dd. FS – Florida Statutes
ee. GC – Gas Chromatogaphy
ff. GPM – Gallons Per Minute
gg. HP – Horsepower
hh. HSA – Hollow Stem Auger
ii. HASP – Health and Safety Plan
jj. IDW – Investigation Derived Waste
kk. IPTF – Florida Inland Protection Trust Fund
ll. IVI – Indoor Vapor Intrusion
mm. LDA – Large Diameter Auger
nn. LP – Liquid Propane
oo. LP – Contracted Local Program
pp. MADEP – Massachusetts Department of Environmental Protection
qq. MIP – Membrane Interface Probe
rr. MPE – Multi-phase Extraction
ss. MR – Mud Rotary
tt. MS – Mass Spectrometry
uu. MTBE – Methyl Tertiary Butyl Ether
vv. N – Nitrogen
ww. NA – Natural Attenuation
xx. NAM – Natural Attenuation Monitoring

yy. NELAC – National Environmental Laboratory Accreditation Conference
zz. NELAP – National Environmental Laboratory Accreditation Program
aaa. NFA – No Further Action
bbb. NFAP – No Further Action Proposal
ccc. NFPA – National Fire Protection Association
ddd. NPDES – National Pollutant Discharge Elimination System
eee. O&M – Operation and Maintenance
fff. ORC™ – Oxygen Release Compound
ggg. OSHA – U.S. Department of Labor - Occupational Safety & Health Administration
hhh. OVA – Organic Vapor Analyzer
iii. PARM – Post Active Remediation Montoring
jjj. PBC – Performance Based Cleanup
kkk. PCB – Polychlorinated Biphenyl
lll. PE – Professional Engineer
mmm. PG – Professional Geologist
nnn. PIANO - Paraffins, Isoparaffins,Aromatics, Naphthenes, and Olefins
ooo. PID – Photoionization Detector
ppp. P&ID – Piping and Instrumentation Diagram
qqq. PLS – Professional Land Survey
rrr. PPE – Personal Protective Equipment
sss. PVC – Polyvinyl Chloride
ttt. QA – Quality Assurance
uuu. Q&A – Question and Answer
vvv. QC – Quality Control
www. RA – Remedial Action
xxx. RAP – Remedial Action Plan
yyy. RAP Mod – Remedial Action Plan Modification
zzz. RCRA – Resource Conservation and Recovery Act
aaaa. RPM – Revolutions Per Minute
bbbb. SA – Site Assessment
cccc. SAR – Site Assessment Report
dddd. SCTL – Soil Cleanup Target Level
eeee. SM – Standard Methods for the Examination of Water and Wastewater
ffff. SPLP – Synthetic Precipitation Leaching Procedure
gggg. SRC – Site Rehabilitation Completion
hhhh. SRCR – Site Rehabilitation Completion Report
iiii. SCFM – Standard Cubic Feet Per Minute
jjjj. SVE – Soil Vapor Extraction
kkkk. TBA – Tertiary Butyl Alcohol
llll. TAME – Tertiary-Amyl Methyl Ether
mmmm. Thermox – Thermal Oxidation
nnnn. TPHCWG – Total Petroleum Hydrocarbon Criteria Working Group
oooo. TRPH – Total Recoverable Petroleum Hydrocarbons
pppp. TPOC – Temporary Point of Compliance
qqqq. UIC – Underground Injection Control
rrrr. UL – Underwriters Laboratories
ssss. US – United States
tttt. VE – Vacuum Extraction
uuuu. VOH – Volatile Organic Halocarbons

ATTACHMENT B

TASK ASSIGNMENT NOTIFICATION FORM

FDEP Contract Number: GC788 Task Assignment #: _____ Budget Entity: _____

FDEP Facility ID#: _____ Category: _____ Module: _____

Score: _____ Object Code: _____ EO: _____

Site Name: _____ Eligibility: _____

Site Address: Street: _____ City: _____ County: _____

Contractor Name: _____ CID #: _____

Contractor Address: _____ FEID #: _____

Contractor Representative: _____ Phone #: _____

FDEP/LP Project Manager: _____ Phone #: _____

FDEP Contract Manager: _____ Phone #: _____

Cleanup Phase:

Cleanup Activity:

Task Assignment Description (per attached proposal and noted changes):

Deliverable 1: _____ Due Date 1: _____

Deliverable 2: _____ Due Date 2: _____

Deliverable 3: _____ Due Date 3: _____

Deliverable 4: _____ Due Date 4: _____

Deliverable 5: _____ Due Date 5: _____

Deliverable 6: _____ Due Date 6: _____

Final Deliv.: _____ **Final Due Date:** _____

Period of Task Performance: Last Signature Date To _____

(No change orders can be authorized after this date)

Task Assignment Type: Fixed Price / Fee Schedule or Cost Reimbursement

Total Cost (Incl. retainage): _____ Total Cost (Incl. retainage): _____

Retainage (__%): _____ Retainage (__%): _____

Total Encumbrance: _____ Total Encumbrance: _____

		Date
FDEP/LP Project Manager:	_____	_____
FDEP Contract Manager:	_____	_____
Cost Center Administrator:	_____	_____
Procurement Administrator	_____	_____
Contractor Representative:	_____	_____
Contractor Representative: (second contractor signature is optional)	_____	_____

FDEP Use Only: Technical Review: Initials: _____ Date: _____

Fiscal Review: Initials: _____ Date: _____

cc: PRP; F&A; Procurement

ATTACHMENT C

TASK ASSIGNMENT CHANGE ORDER FORM
DEP CONTRACT NO. GC788

Task Assignment Number: _____ Date: _____ Change Order No. _____

Contractor Name: _____

Contractor Representative: _____

DEP Contract Manager: _____

Description of Change (Use additional sheets if necessary): _____

_____

_____

CHANGE IN TASK AMOUNT

Item	Cost Reimbursement	Fee Schedule	Fixed Price	Total
Original Task Amount:				
Task amount prior to this change order:				
Net increase/decrease in task amount:				
Task amount with all change orders:				

CHANGE IN TASK TIME

Original task completion date: _____
Completion date prior to this change: _____
Net increase/decrease in task period: _____
Completion date with all change orders: _____

Change In Funding Information:

Org. Code	E.O.	Object Code	Module	Special Category	Grant #	Year	Amount
37							$
37							$
37							$
37							$

CONTRACTOR

_____ _____
Contract Manager Date

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

_____ _____
Contract Manager Date

APPROVED:

_____ _____
Cost Center Administrator Date

_____ _____
Funding Authority Date

_____ _____
Procurement Administrator Date

cc: Ruth Heggen, Procurement Section (MS93)
Bureau of Finance & Accounting (MS78)

"EXHIBIT B"
CONTRACT FEE SCHEDULE

Foster, Jeffrey

From: Fallin, Tom <tom.fallin@woodplc.com>
Sent: Thursday, March 28, 2019 2:43 PM
To: Foster, Jeffrey
Cc: Fuller, Eric; Vanderbeck, Rebecca
Subject: RE: P-02-17 Contamination Assessment & Remediation Services for State of Florida Funded Petroleum Impacted
Attachments: GC788 AMEC Environment Infrastructure Inc - North.pdf; Amy_Wood Resume_Feb 2019.pdf; COJ Remediation Contract Cover Letter_03282019.pdf; FDEP Petroleum Cleanup_Wood.pptx; GC788 Rate Amendment 2018.pdf

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Jeff,

On the opening day of baseball season, it sure would be fun to sit in the sun and watch the boys of summer.

Instead, I have several items for you and perhaps enough explanation to suffice. (but no peanuts)

The FDEP contract (attached from 2014) defines the scopes of work and reflects the originally established rates for those scopes (Section 20 & 21). However, every February FDEP renegotiates the rates and has recently (as in 12 March 2019) informed us of new unit rates (e-mail below), reflecting which new rates have been accepted and which have been declined. We anticipate a new addendum to reflect these updated rates, which may likely occur very soon as well. All that being said, it would seem to be appropriate to proceed with the fully executed FDEP addendum (Amendment #6) and make comment that rates may change as reflected by the FDEP contract {Note these contract attachments were provided in my 7 Jan 2019 e-mail} or follow with any updates as FDEP issues them via formal contract amendment. We anticipate invoicing the City with the current rates established by FDEP be they increases or decreases.

Also, during the PSEC deliberations there were questions involving staffing changes since the March 2017 proposal submission. I have attached a cover letter, updated org chart, and resume for Ms. Amy Fu to be responsive to that request. Jason Goldstein has joined USACE and Rebecca will be your PM (She was reflected in the original submission for Remediation). Amy is taking Eric's place heading the Assessment Team and I have included her resume (You may recall you met Amy with Rebecca some weeks back).

It's a lot but hopefully adequately explained and organized. Please let us know if you have any questions.

Thanks,
Tom

From: PRP Contracts [mailto:PRP.Contracts@dep.state.fl.us]
Sent: Tuesday, March 12, 2019 3:07 PM
To: Schaefer, Geoff D. <geoff.schaefer@woodplc.com>
Cc: PRP Contracts <PRP.Contracts@dep.state.fl.us>
Subject: Rate Increase/Decrease Requests for GC788

The Agency Term Contracts Team has received and reviewed the rate change request for the GC referenced above for Wood Environment & Infrastructure Solutions, Inc.

Of the 92 line items requested for rate changes, 68 were determined to be best value to the state.

Below are two lists of items:

1. Accepted rate increases/decreases

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	CONTRACTED ITEM PRICE	ATC REQUESTED ITEM PRICE
3-1.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - ≤ 100 miles each way	Per Round Trip	$ 420.00	$ 432.60
3-2.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way	Per Round Trip	$ 630.00	$ 648.90
3-3.	Heavy Duty/Stakebed Truck (3/4 ton +) - ≤ 100 miles each way	Per Round Trip	$ 420.00	$ 432.60
3-4.	Heavy Duty/Stakebed Truck (3/4 ton +) - > 100 miles each way	Per Round Trip	$ 630.00	$ 648.90

3-5.	Work Trailer - ≤ 100 miles each way	Per Round Trip	$ 210.00	$ 216.30
3-6.	Work Trailer - > 100 miles each way	Per Round Trip	$ 315.00	$ 324.45
3-7.a.	DPT Rig and Support Vehicles Mobilization - ≤ 100 miles each way	Per Round Trip	$ 556.76	$ 573.46
3-9.a.	Drill Rig and Support Vehicles Mobilization (hollow stem auger, mud rotary or sonic) - ≤ 100 miles each way	Per Round Trip	$ 668.11	$ 688.15
3-15.	Loader/Backhoe Mobilization - ≤ 100 miles each way	Per Round Trip	$ 352.80	$ 363.38
3-17.	Mini Excavator/Loader (BobcatTM) Mobilization - ≤ 100 miles each way	Per Round Trip	$ 294.00	$ 302.82
5-1.a.1.	Split Spoon Sampling – 2 foot (during boring) < 50 feet	Per Spoon	$ 33.60	$ 34.60
5-1.a.2.	Split Spoon Sampling – 2 foot (during boring) 50 to 100 feet	Per Spoon	$ 42.00	$ 43.26
5-1.b.	Sonic Core Sampling - 5 or 10 foot (during boring)	Per Core	$ 120.75	$ 124.37
5-6.	HSA or MR Boring, ≤ 6 inch diameter, < 50 foot total depth	Per Foot	$ 27.30	$ 28.12

5-7.	HSA or MR Boring, ≤ 6 inch diameter, 50 to 100 foot total depth	Per Foot	$ 29.40	$ 30.28
6-1.	Well Installation - 1 inch diameter	Per Foot	$ 27.30	$ 28.12
6-2.a.	Well Installation - 2 inch diameter (vertical)	Per Foot	$ 30.22	$ 31.12
6-3.a.	Well Installation - 4 inch diameter (vertical)	Per Foot	$ 39.08	$ 40.25
6-5.	Surface Casing - 6 inch diameter	Per Foot	$ 36.75	$ 37.85
7-1.	Grout and Abandon Well, 1 to 2 inch diameter	Per Foot	$ 18.50	$ 19.06
7-7.	Removal of Well Pad and Manhole	Per Well	$ 153.24	$ 157.84
8-1.	Monitoring Well Sampling with Water Level, ≤ 100 foot depth	Per Well	$ 199.50	$ 205.48
8-2.	Monitoring Well Sampling with Water Level, > 100 foot depth	Per Well	$ 262.50	$ 270.37
8-6.	Soil/Sediment Sample Collection	Per Sample	$ 78.75	$ 81.11

8-7.	Water Level or Free Product Gauging	Per Well	$ 26.25	$ 27.03
8-8.	Free Product Gauging & Bailing	Per Well	$ 78.75	$ 81.11
8-11.	Electronic Data Deliverables (EDD)	Per Sampling Event	$ 29.16	$ 30.03
10-14.	Clean Backfill Material, Compaction and Testing (includes transport) ≤ 300 cubic yards	Per Cubic Yard	$ 38.38	$ 39.53
10-15.a.	Clean Overburden Used As Backfill, Compaction and Testing ≤ 300 cubic yards	Per Cubic Yard	$ 23.33	$ 24.03
10-17.	#57 Stone	Per Ton	$ 49.33	$ 50.81
12-6.	Transport and Disposal of Petroleum Impacted Soil (includes drum)	Per Drum	$ 176.40	$ 181.69
12-9.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) ≤ 450 tons	Per Ton	$ 29.40	$ 30.28
12-10.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) > 450 tons	Per Ton	$ 29.40	$ 30.28
12-18.	Additional Rental of 20 Cubic Yard Roll-Off Container	Per Week	$ 174.98	$ 180.23

13-1.	Asphalt Paving - 2 inch thickness (includes sub-base)	Per Square Foot	$ 5.62	$ 5.78
13-3.	Concrete Paving - 4 inch thickness (includes sub-base)	Per Square Foot	$ 7.98	$ 8.21
13-4.	Concrete Paving - additional 1 inch thickness	Per Square Foot	$ 2.10	$ 2.16
13-6.	Grass - Sod	Per Square Foot	$ 0.94	$ 0.96
13-7.	Grass - Seed and Mulch	Per Square Foot	$ 0.44	$ 0.45
16-1.	Groundwater Recovery System Pilot Test - 8 hours	Per Test	$ 5,520.00	$ 4,968.00
16-2.	Groundwater Recovery System Pilot Test - Additional Time	Per 2 Hrs	$ 796.00	$ 716.40
16-17.	Groundwater Treatment System Package - Medium	Per Day	$ 3,200.00	$ 2,880.00
16-18.	Groundwater Treatment System Package - Medium	Per Week	$ 9,800.00	$ 8,820.00
16-20.	Air Sparge System Package - Medium	Per Week	$ 8,000.00	$ 7,200.00

16-22.	AS/SVE System Package - Medium	Per Week	$	9,500.00	$	8,550.00
16-24.	MPE System Package - Medium	Per Week	$	9,500.00	$	8,550.00
18-5.	Groundwater Treatment System - Stand Alone Small - Short Term ≤ 6 mos.	Per Month	$	5,000.00	$	4,500.00
18-6.	Groundwater Treatment System - Stand Alone Small - Long Term > 6 mos.	Per Month	$	3,700.00	$	3,330.00
18-7.	Groundwater Treatment System - Stand Alone Medium - Short Term ≤ 6 mos.	Per Month	$	9,000.00	$	8,100.00
18-8.	Groundwater Treatment System - Stand Alone Medium - Long Term > 6 mos.	Per Month	$	6,000.00	$	5,400.00
18-9.	Groundwater Treatment System - Stand Alone Large - Short Term ≤ 6 mos.	Per Month	$	12,000.00	$	10,800.00
18-10.	Groundwater Treatment System - Stand Alone Large - Long Term > 6 mos.	Per Month	$	8,000.00	$	7,200.00
18-29.	Groundwater Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	$	3,500.00	$	3,150.00
18-30.	Groundwater Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	$	2,000.00	$	1,800.00

18-31.	Groundwater Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	$ 2,000.00	$ 1,800.00
18-32.	Groundwater Treatment - Add On - Small - Long Term > 6 mos.	Per Month	$ 1,000.00	$ 900.00
18-33.	Groundwater Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	$ 1,500.00	$ 1,350.00
18-34.	Groundwater Treatment - Add On - Large - Long Term > 6 mos.	Per Month	$ 1,600.00	$ 1,440.00
18-41.	Thermox/Catox Off Gas Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	$ 2,900.00	$ 2,610.00
18-42.	Thermox/Catox Off Gas Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	$ 3,500.00	$ 3,150.00
18-43.	Thermox/Catox Off Gas Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	$ 5,000.00	$ 4,500.00
18-44.	Thermox/Catox Off Gas Treatment - Add On - Small - Long Term > 6 mos.	Per Month	$ 2,900.00	$ 2,610.00
18-45.	Thermox/Catox Off Gas Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	$ 3,200.00	$ 2,880.00
18-46.	Thermox/Catox Off Gas Treatment - Add On - Large - Long Term > 6 mos.	Per Month	$ 4,500.00	$ 4,050.00

19-1.	Soil Source Removal Report	Per Report	$ 1,890.00	$ 1,946.70
19-3.	General Site Assessment Report	Per Report	$ 3,780.00	$ 3,893.40
19-4.	Supplemental Site Assessment Report	Per Report	$ 1,680.00	$ 1,730.40
19-13.	Level 1 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 1,624.00	$ 1,672.72

2. Rate increases that are not a best value to the state

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	CONTRACTED ITEM PRICE	ATC REQUESTED ITEM PRICE
3-11.	Excavator Mobilization - ≤ 100 miles each way	Per Round Trip	$ 705.60	$ 726.77
5-3.a.	Direct Push Technology (DPT) Rig and Equipment	Full Day	$ 3,052.73	$ 3,144.31
7-2.	Grout and Abandon Well, > 2 to 4 inch diameter	Per Foot	$ 23.22	$ 23.91

7-5.	Removal of Well Vault - 2 x 2 x 2 foot	Per Vault	$ 494.00	$ 508.82
7-6.	Removal of Well Vault - 4 x 4 x 2 foot	Per Vault	$ 840.00	$ 865.20
10-7.	Conventional Soil Excavation and Loading ≤ 300 cubic yards	Per Cubic Yard	$ 42.16	$ 43.42
10-9.	LDA Excavation and Loading Without Casing ≤ 300 cubic yards	Per Cubic Yard	$ 140.00	$ 144.20
10-11.a.	LDA Excavation and Loading With Surface Casing ≤ 300 cubic yards	Per Cubic Yard	$ 161.20	$ 166.03
10-11.b.	LDA Excavation and Loading With Driven Casing < 300 cubic yards	Per Cubic Yard	$ 299.58	$ 308.56
10-16.	Pea Gravel	Per Ton	$ 69.39	$ 71.47
12-7.	Transport Petroleum Impacted Soil (bulk) ≤ 100 miles	Per Ton	$ 31.00	$ 31.93
12-8.	Transport Petroleum Impacted Soil (bulk) > 100 miles	Per Ton	$ 41.16	$ 42.39
12-17.	Delivery, Pick Up and Rental of 20 Cubic Yard Roll-Off Container	Per Week	$ 944.90	$ 973.25

13-2.	Asphalt Paving - additional 1 inch thickness	Per Square Foot	$ 3.12	$ 3.2
13-5.	Crushed Lime Rock Cover - 2 inch thickness	Per Square Foot	$ 3.24	$ 3.3
17-1.	System O&M Package - Small	Per Month	$ 2,940.00	$ 3,028.20
17-2.	System O&M Package - Medium	Per Month	$ 3,500.00	$ 3,605.00
17-3.	System O&M Package - Large	Per Month	$ 4,080.00	$ 4,202.40
17-4.	System O&M Package - Extra Large	Per Month	$ 4,638.00	$ 4,777.14
19-14.	Level 2 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 3,157.00	$ 3,251.71
19-15.	Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 5,512.50	$ 5,677.87
19-16.	Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 8,925.00	$ 9,192.75
19-18.	As-Built Drawings (P.E. Sealed red lined modifications)	Per Drawings	$ 750.00	$ 772.50

19-20.	Letter/NPDES Report	Per Report	$ 350.00	$ 360.50

Please verify that the accepted rates listed above are correct and respond via email to both your Contract Manager and PRP.Contracts@dep.state.fl.us within 10 business days from the date of this email of your acceptance. All questions should be submitted via email to both your Contract Manager and PRP.Contracts@dep.state.fl.us.

Thanks,

Florida Department of Environmental Protection
Division of Waste Management
Petroleum Restoration Program
Agency Term Contracts Team

From: Foster, Jeffrey <JSFoster@coj.net>
Sent: Wednesday, March 27, 2019 4:54 PM
To: Fallin, Tom <tom.fallin@woodplc.com>
Cc: Fuller, Eric <EFuller@coj.net>
Subject: FW: P-02-17 Contamination Assessment & Remediation Services for State of Florida Funded Petroleum Impacted

Tom:

I need you to send me all of the scopes of work for the petroleum program along with all of your fees for those scopes, unit rates, etc.. I know it is a big document but that way we can get everything approved in one contract. Thanks.

Jeff Foster
PWSW

From: Hampton, Teshonna
Sent: Wednesday, March 27, 2019 4:30 PM
To: Dwyer-Frazee, Ivy; McCain, James; Gray, Melba; West, Lori; Brackin, Ann; Foster, Jeffrey; Joyce, William

Cc: Baker, Alex
Subject: P-02-17 Contamination Assessment & Remediation Services for State of Florida Funded Petroleum Impacted

Good afternoon,

Attached is the Mayor's signed letter for P-02-17 Subcommittee Report.

Best regards,

Teshonna Hampton

City of Jacksonville
Procurement Division
214 N. Hogan St.
Jacksonville, FL 32202
(904)255-8800
thampton@coj.net

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ATTACHMENT D
RATE SCHEDULE
AMEC
NORTH REGION

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
1.	OFFICE ACTIVITIES	**********	**********	**********
1-1.	File Review	Per Review	FIXED PRICE	600.00
1-2.	Site Health & Safety Plan	Per Site	FIXED PRICE	300.00
1-3.	Notice of Discovery of Contamination Package (Initial or TPOC)	Per Package	FIXED PRICE	300.00
1-4.	Permit Fees - actual fee only, cost to obtain permit is included in applicable pay items	Reimbursable	TBD	**********
1-5.	Off-Site Property Access Agreement	Per Agreement	FIXED PRICE	300.00
1-6.	Project Specific Financial Guarantee Bond (if required by DEP)	Reimbursable	TBD	**********
2.	FIELD ACTIVITIES - GENERAL	**********	**********	**********
2-1.	Site Reconnaissance/Field Measurement Visit	Per Visit	FIXED PRICE	400.00
2-2.	Receptor Survey and Exposure Pathway Identification (Excludes report)	Per Survey	FIXED PRICE	500.00
2-3.	Professional Land Survey	Reimbursable	TBD	**********
2-4.	Contractor Oversight for Non-Price Schedule Activities	Per Day	FIXED PRICE	1000.00
3.	MOBILIZATION	**********	**********	**********
3-1.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	448.00
3-2.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way	Per Round Trip	FIXED PRICE	672.00
3-3.	Heavy Duty/Stakebed Truck (3/4 ton +) - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	448.00
3-4.	Heavy Duty/Stakebed Truck (3/4 ton +) - > 100 miles each way	Per Round Trip	FIXED PRICE	672.00
3-5.	Work Trailer - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	224.00
3-6.	Work Trailer - > 100 miles each way	Per Round Trip	FIXED PRICE	336.00
3-7.	DPT Rig Mobilization - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	550.00
3-8.	DPT Rig Mobilization - > 100 miles each way	Per Round Trip	FIXED PRICE	952.00
3-9.	Drill Rig Mobilization - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	560.00
3-10.	Drill Rig Mobilization - > 100 miles each way	Per Round Trip	FIXED PRICE	1008.00
3-11.	Excavator Mobilization - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	672.00
3-12.	Excavator Mobilization - > 100 miles each way	Per Round Trip	FIXED PRICE	1120.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
3-13.	LDA Rig Mobilization - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	8400.00
3-14.	LDA Rig Mobilization - > 100 miles each way	Per Round Trip	FIXED PRICE	11200.00
3-15.	Loader/Backhoe Mobilization - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	336.00
3-16.	Loader/Backhoe Mobilization - > 100 miles each way	Per Round Trip	FIXED PRICE	560.00
3-17.	Mini Excavator/Loader (Bobcat™) Mobilization - ≤ 100 miles each way	Per Round Trip	FIXED PRICE	280.00
3-18.	Mini Excavator/Loader (Bobcat™) Mobilization - > 100 miles each way	Per Round Trip	FIXED PRICE	392.00
4.	MEALS AND LODGING	**********	**********	**********
4-1.	Per Diem - For Travel > 1 Consecutive day (prorated in quarter day increments)	Per Person Per Day	CURRENT STATE RATE 112.06 IPS	**********
5.	DRILLING AND BORING	**********	**********	**********
5-1.a.	Split Spoon Sampling - 2 foot (during boring)	Per Spoon	FIXED PRICE	43.32
5-1.b.	Sonic Core Sampling - 5 or 10 foot (during boring)	Per Core	FIXED PRICE	122.68
5-1.c.	DPT Core Sampling - 4 or 5 foot (during boring)	Per Core	FIXED PRICE	28.76
5-2.	Hand Auger Boring ≤ 10 foot total depth	Per Boring	FIXED PRICE	200.00
5-3.	Direct Push Boring	Per Foot	FIXED PRICE	23.00
5-4.	Direct Push Boring with Cone Penetrometer Test Probe (CPT)	Per Foot	FIXED PRICE	35.48
5-5.	Direct Push Boring with Membrane Interface Probe (MIP)	Per Foot	FIXED PRICE	35.00
5-6.	HSA or MR Boring, ≤ 6 inch diameter, < 50 foot total depth	Per Foot	FIXED PRICE	31.00
5-7.	HSA or MR Boring, ≤ 6 inch diameter, 50 to 100 foot total depth	Per Foot	FIXED PRICE	35.00
5-8.	HSA or MR Boring, ≤ 6 inch diameter, > 100 foot total depth	Per Foot	FIXED PRICE	43.16
5-9.	HSA or MR Boring, > 6 to 10 inch diameter, < 50 foot total depth	Per Foot	FIXED PRICE	35.00
5-10.	HSA or MR Boring, > 6 to 10 inch diameter, 50 to 100 foot total depth	Per Foot	FIXED PRICE	39.00
5-11.	HSA or MR Boring, > 6 to 10 inch diameter, > 100 foot total depth	Per Foot	FIXED PRICE	50.84
5-12.	HSA or MR Boring, > 10 to 14 inch diameter, < 50 foot total depth	Per Foot	FIXED PRICE	40.50

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
5-13.	HSA or MR Boring, > 10 to 14 inch diameter, 50 to 100 foot total depth	Per Foot	FIXED PRICE	46.13
5-14.	HSA or MR Boring, > 10 to 14 inch diameter, > 100 foot total depth	Per Foot	FIXED PRICE	52.00
5-15.	Sonic Boring, ≤ 6 inch diameter, < 50 foot total depth	Per Foot	FIXED PRICE	39.00
5-16.	Sonic Boring, ≤ 6 inch diameter, 50 to 100 foot total depth	Per Foot	FIXED PRICE	43.32
5-17.	Sonic Boring, ≤ 6 inch diameter, > 100 foot total depth	Per Foot	FIXED PRICE	46.68
5-18.	Sonic Boring, > 6 to 10 inch diameter, < 50 foot total depth	Per Foot	FIXED PRICE	40.00
5-19.	Sonic Boring, > 6 to 10 inch diameter, 50 to 100 foot total depth	Per Foot	FIXED PRICE	57.72
5-20.	Sonic Boring, > 6 to 10 inch diameter, > 100 foot total depth	Per Foot	FIXED PRICE	55.08
5-21.	Sonic Boring, > 10 to 14 inch diameter, < 50 foot total depth	Per Foot	FIXED PRICE	64.93
5-22.	Sonic Boring, > 10 to 14 inch diameter, 50 to 100 foot total depth	Per Foot	FIXED PRICE	76.28
5-23.	Sonic Boring, > 10 to 14 inch diameter, > 100 foot total depth	Per Foot	FIXED PRICE	94.25
6	WELL INSTALLATION	**********	**********	**********
6-1.	Well Installation - 1 inch diameter	Per Foot	FIXED PRICE	33.00
6-2.	Well Installation - 2 inch diameter	Per Foot	FIXED PRICE	40.38
6-3.	Well Installation - 4 inch diameter	Per Foot	FIXED PRICE	42.63
6-4.	Well Installation - 6 inch diameter	Per Foot	FIXED PRICE	60.57
6-5.	Surface Casing - 6 inch diameter	Per Foot	FIXED PRICE	45.00
6-6.	Surface Casing - 8 inch diameter	Per Foot	FIXED PRICE	53.86
6-7.	Surface Casing - 10 inch diameter	Per Foot	FIXED PRICE	66.20
6-8.	Surface Casing - 12 inch diameter	Per Foot	FIXED PRICE	84.14
6-9.a.	Additional Well Screen > 20 feet - 1 inch diameter	Per Foot	FIXED PRICE	3.36
6-9.b.	Additional Well Screen > 20 feet - 2 inch diameter	Per Foot	FIXED PRICE	4.48
6-9.c.	Additional Well Screen > 20 feet - 4 inch diameter	Per Foot	FIXED PRICE	5.60
6-9.d.	Additional Well Screen > 20 feet - 6 inch diameter	Per Foot	FIXED PRICE	6.72
6-10.	Above Grade Well Completion	Per Well	FIXED PRICE	425.00
6-11.	Installation of Well Vault - 2 x 2 x 2 foot	Per Vault	FIXED PRICE	850.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
6-12.	Installation of Well Vault - 4 x 4 x 2 foot	Per Vault	FIXED PRICE	1750.00
7.	WELL ABANDONMENT	**********	**********	**********
7-1.	Grout and Abandon Well, 1 to 2 inch diameter	Per Foot	FIXED PRICE	18.50
7-2.	Grout and Abandon Well, > 2 to 4 inch diameter	Per Foot	FIXED PRICE	23.22
7-3.	Grout and Abandon Well, > 4 to 6 inch diameter	Per Foot	FIXED PRICE	25.00
7-4.	Grout and Abandon Well, > 6 inch diameter	Per Foot	FIXED PRICE	30.00
7-5.	Removal of Well Vault - 2 x 2 x 2 foot	Per Vault	FIXED PRICE	494.00
7-6.	Removal of Well Vault - 4 x 4 x 2 foot	Per Vault	FIXED PRICE	800.00
8.	SAMPLE COLLECTION AND FIELD TESTING	**********	**********	**********
8-1.	Monitoring Well Sampling with Water Level, ≤ 100 foot depth	Per Well	FIXED PRICE	225.00
8-2.	Monitoring Well Sampling with Water Level, > 100 foot depth	Per Well	FIXED PRICE	337.00
8-3.	Domestic Water Well Sampling	Per Well	FIXED PRICE	100.00
8-4.	Other Water Sampling	Per Sample	FIXED PRICE	100.00
8-5.	Free Product Sample Collection	Per Sample	FIXED PRICE	104.00
8-6.	Soil/Sediment Sample Collection	Per Sample	FIXED PRICE	109.00
8-7.	Water Level or Free Product Gauging	Per Well	FIXED PRICE	29.00
8-8.	Free Product Gauging & Bailing	Per Well	FIXED PRICE	104.00
8-9.	Vapor/Ambient Air Sample Collection - Passive Dosimeter, Sorbent Tube, Tedlar™ Bag (or Equivalent)	Per Sample	FIXED PRICE	48.00
8-10.	Vapor/Ambient Air Sample Collection - SUMMA™ Canister (or Equivalent)	Per Sample	FIXED PRICE	97.00
9.	LABORATORY ANALYSIS	**********	**********	**********
9-A.	SOIL/SEDIMENT ANALYSIS	**********	**********	**********
9-1.	Soil, Used Oil/Unknown Product Group-Table D of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (Multiple Methods)	Per Sample	FIXED PRICE	374.00
9-2.	Soil, BTEX + MTBE (EPA 8021 or EPA 8260)	Per Sample	FIXED PRICE	47.00
9-3.	Soil, Volatile Organic Halocarbons (EPA 8021 or EPA 8260)	Per Sample	FIXED PRICE	59.40

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
9-4.	Soil, BTEX + MTBE + VOHs (EPA 8021 or EPA 8260)	Per Sample	FIXED PRICE	69.30
9-5.	Soil, Polycyclic Aromatic Hydrocarbons (EPA 8270 or EPA 8310)	Per Sample	FIXED PRICE	97.50
9-6.	Soil, Priority Pollutant Volatile Organics (EPA 8260)	Per Sample	FIXED PRICE	71.50
9-7.	Soil, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270])	Per Sample	FIXED PRICE	246.75
9-8.	Soil, Total Recoverable Petroleum Hydrocarbons (FL-PRO)	Per Sample	FIXED PRICE	69.00
9-9.	Soil, PCBs [or Aroclors] (EPA 8082)	Per Sample	FIXED PRICE	42.00
9-10.	Soil, 8 RCRA Metals (EPA 6010 or EPA 6020 [Arsenic, Barium, Cadmium, Chromium. Lead, Silver] and EPA 6020 or EPA 7471 [Mercury])	Per Sample	FIXED PRICE	104.50
9-11.	Soil, Arsenic (EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	12.00
9-12.	Soil, Cadmium (EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	12.00
9-13.	Soil, Chromium (EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	12.00
9-14.	Soil, Lead (EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	12.00
9-15.	Soil, Toxicity Characteristic Leaching Procedure-Extraction Only (EPA 1311)	Per Sample	FIXED PRICE	26.25
9-16.	Soil, Synthetic Precipitation Leaching Procedure-Extraction Only (EPA1312)	Per Sample	FIXED PRICE	71.50
9-17.	Soil, Organic Carbon, Total (EPA 9060 or Walkey-Black)	Per Sample	FIXED PRICE	42.00
9-18.	Soil, Dry Bulk Density (ASTM D1556-07, ASTM D2167-08, ASTM D2922-01, -04, -04e, -96e1 or ASTM D2937-10)	Per Sample	FIXED PRICE	26.25
9-19.	Soil, Moisture Content (ASTM D2216-10)	Per Sample	FIXED PRICE	5.25
9-20.	Soil, Texture, (See Gee 7 Bauder [1966])	Per Sample	FIXED PRICE	68.25
9-21.	Soil, GC/MS Full Scan, Alkanes, Isoalkanes, Cycloalkanes, Aromatics, Bicyclane, Sterane, and Terpane Biomarkers (ASTM D5739 High Resolution GC/MS)	Per Sample	FIXED PRICE	165.00
9-22.	Soil, Gasoline Hydrocarbon Composition, Gasoline PIANO (paraffins, isoparaffins, aromatics, naphthenes and olefins) (EPA 8260Mod, High Resolution GC/MS)	Per Sample	FIXED PRICE	165.00
9-23.	Soil, 5 Fuel Oxygenates, MTBE, DIPE, TAME, ETBE and TBA (EPA 8260Mod, High Resolution GC/MS)	Per Sample	FIXED PRICE	55.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
9-24.	Soil, C10-C40 Alkane Fingerprint, N-Alkanes and Isoalkanes (ASTM D3328 GC/MS)	Per Sample	FIXED PRICE	165.00
9.B.	WATER ANALYSIS	**********	**********	**********
9-25.	Water, Gasoline/Kerosene Analytical Group-Table C of Ch. 62-780, F.A.C. (Multiple Methods)	Per Sample	FIXED PRICE	285.00
9-26.	Water, Used Oil/Unknown Product Group-Table C of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (Multiple Methods)	Per Sample	FIXED PRICE	316.80
9-27.	Water, BTEX + MTBE (EPA 602, EPA 624, EPA 8021 or EPA 8260)	Per Sample	FIXED PRICE	45.00
9-28.	Water, Volatile Organic Halocarbons, except EDB (EPA 8021 or EPA 8260)	Per Sample	FIXED PRICE	57.20
9-29.	Water, BTEX + MTBE + VOHs (EPA 601/602, EPA 624, EPA 6021 or EPA 8260)	Per Sample	FIXED PRICE	60.50
9-30.	Water, Polycyclic Aromatic Hydrocarbons, including 1-methylnaphthalene + 2-methylnaphthalene (EPA 610 [HPLC], EPA 625, EPA 8270 or EPA 8310)	Per Sample	FIXED PRICE	90.00
9-31.	Water, EDB [1,2-dibromoethane or ethylene dibromide] (EPA 504.1 or EPA 8011)	Per Sample	FIXED PRICE	40.70
9-32.	Water, Priority Pollutant Volatile Organics [for NPDES purposes only] (EPA 624)	Per Sample	FIXED PRICE	110.00
9-33.	Water, Priority Pollutant Volatile Organics (EPA 8260)	Per Sample	FIXED PRICE	110.00
9-34.	Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables [for NPDES purposes only] (EPA 625 list [e.g., EPA 608 + EPA 625])	Per Sample	FIXED PRICE	270.00
9-35.	Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270 or EPA 608 + EPA 8270)	Per Sample	FIXED PRICE	280.00
9-36.	Water, Total Recoverable Petroleum Hydrocarbons (FL-PRO)	Per Sample	FIXED PRICE	70.00
9-37.	Water, PCBs [or Aroclors] (EPA 608 or EPA 8082)	Per Sample	FIXED PRICE	42.00
9-38.	Water, Arsenic, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-39.	Water, Cadmium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-40.	Water, Chromium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-41.	Water, Lead, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	12.00
9-42.	Water, Mercury, Total (EPA 245.1, EPA 6020 or EPA 7470)	Per Sample	FIXED PRICE	22.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
9-43.	Water, Calcium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-44.	Water, Iron, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-45.	Water, Magnesium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-46.	Water, Manganese, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-47.	Water, Potassium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-48.	Water, Sodium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	FIXED PRICE	11.00
9-49.	Water, Alkalinity [as CaCO3] (EPA 310.2 or SM 2320 B)	Per Sample	FIXED PRICE	10.50
9-50.	Water, Ammonia [as N] (EPA 350.1, SM 4500-NH3 C, SM 4500-NH3 D, SM 4500-NH3 G or SM 4500-NH3 H)	Per Sample	FIXED PRICE	14.18
9-51.	Water, Chloride (EPA 300.0, EPA 9056, EPA 9251, EPA 9053, SM 4500Cl B, SM 4500Cl C or SM 4500Cl E)	Per Sample	FIXED PRICE	14.18
9-52.	Water, Hardness, Total [as CaCO3] (SM 2340 B or SM 2340 C)	Per Sample	FIXED PRICE	14.18
9-53.	Water, Nitrate [as N] (EPA 300.0 or EPA 353.2)	Per Sample	FIXED PRICE	14.18
9-54.	Water, Nitrate-Nitrite [as N] (EPA 300.0, EPA 353.2, SM 4500-NO3 E or SM 4500-NO3 F)	Per Sample	FIXED PRICE	14.18
9-55.	Water, Nitrite [as N] (EPA 300.0, EPA 300.1, SM 4500-NO2 B or SM 4500-NO3 F)	Per Sample	FIXED PRICE	14.18
9-56.	Water, Organic Carbon, Total (SM 5310 B, SM 5310 C or EPA 9060)	Per Sample	FIXED PRICE	21.00
9-57.	Water, Orthophosphate [as P] (EPA 300.0, EPA 300.1, EPA 365.1, EPA 365.3, EPA 9056, SM 4500-PE or SM 4500-PF)	Per Sample	FIXED PRICE	14.18
9-58.	Water, Residue-filterable [Total Dissolved Solids] (SM 2540 C)	Per Sample	FIXED PRICE	11.00
9-59.	Water, Residue-nonfilterable [Total Suspended Solids] (SM 2540 D)	Per Sample	FIXED PRICE	12.60
9-60.	Water, Sulfate (ASTM D516-02, ASTM D516-90, EPA 300.0, EPA 300.1, EPA 375.2, EPA 9038, EPA 9056 or SM 4500-SO4 C)	Per Sample	FIXED PRICE	14.18
9-61.	Water, Heterotrophic Plate Count (SM 9215 B)	Per Sample	FIXED PRICE	31.50

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
9-62.	Water, Acute Bioassay-96 Hour, Freshwater, Vertebrate/Invertebrate [Vertebrate: Pimephales promelas or Cyprinella leedsi/Invertebrate: Ceriodaphnia dubia] (EPA 2000.0/2002.0)	Per Sample	FIXED PRICE	500.00
9-63.	Water, Acute Bioassay-96 Hour, Estuarine + Marine, Vertebrate/Invertebrate [Vertebrate: Menidia beryllina, Meridia meridia or Menida peninsulae/Invertebrate: Mysidopsis bahia] (EPA 2006.0/2007.0)	Per Sample	FIXED PRICE	500.00
9-64.	Water, GC/MS Full Scan, Alkanes, Isoalkanes, Cycloalkanes, Aromatics, Bicyclane, Sterane, and Terpane Biomarkers (ASTM D5739 High Resolution GC/MS)	Per Sample	FIXED PRICE	157.50
9-65.	Water, Gasoline Hydrocarbon Composition, Gasoline PIANO [paraffins, isoparaffins, aromatics, naphthenes and olefins] (EPA 8260Mod, High Resolution GC/MS)	Per Sample	FIXED PRICE	157.50
9-66.	Water, 5 Fuel Oxygenates, MTBE, DIPE, TAME, ETBE and TBA (EPA 8260Mod, High Resolution GC/MS)	Per Sample	FIXED PRICE	47.25
9-67.	Water, C10-C40 Alkane Fingerprint, N-Alkanes and Isoalkanes (ASTM D3328 GC/MS)	Per Sample	FIXED PRICE	157.50
9 C	AIR ANALYSIS	**********	**********	**********
9-68.	Air, Total Petroleum Hydrocarbons (EPA Method 18 or TO-3)	Per Sample	FIXED PRICE	102.00
9-69.	Air, Volatile Organic Aromatics (EPA Method TO-15)	Per Sample	FIXED PRICE	152.25
9-70.	Air, Polycyclic Aromatic Hydrocarbons (EPA Method TO-13)	Per Sample	FIXED PRICE	147.00
9-71.	Air, Volatile Organic Compounds (EPA Method TO-17)	Per Sample	FIXED PRICE	252.00
9 D	PRODUCT ANALYSIS	**********	**********	**********
9-72.	Product, C3-C44 Hydrocarbon Fingerprint, Gasoline PIANO [paraffins, isoparaffins, aromatics, naphthenes and olefins], alkanes and isoalkanes (ASTM D3328 High Resolution GC/FID)	Per Sample	FIXED PRICE	165.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
9-73.	Product, GC/MS Full Scan, alkanes, isoalkanes, cycloalkanes, aromatics, bicyclane, sterane, and terpane biomarkers (ASTM D5739 High Resolution GC/MS)	Per Sample	FIXED PRICE	165.00
9-E	OTHER ANALYSIS	**********	**********	**********
9-74.	Other Analysis, Not Otherwise Specified	Reimbursable	TBD	**********
9-75.	Additional Laboratory Charge for 7 Day Turnaround (percent surcharge is in addition to lab fee)[a]	% Surcharge	FIXED PRICE	0.00
9-76.	Additional Laboratory Charge for 3 Day Turnaround (percent surcharge in addition to lab fee)[a]	% Surcharge	FIXED PRICE	0.50
9-77.	Additional Laboratory Charge for 1 Day Turnaround (precent surcharge in addition to lab fee)[a]	% Surcharge	FIXED PRICE	1.00
	[a.] Respondent should enter surcharge rounded to two decimal points, for example fifty percent surcharge equals .50; 100%=1.0 for items 9-75, 9-76 and 9-77 weighted score calculates as (1+surcharge) tiimes the weighted score	**********	**********	**********
10	SOIL SOURCE REMOVAL RELATED	**********	**********	**********
10-1.	Sheet Piling for ≤ 20 feet deep excavation (per square foot)	Per Sq. Foot/Day	FIXED PRICE	50.00
10-2.	Sheet Piling for ≤ 20 feet deep excavation (per square foot)	Per Sq. Foot/Week	FIXED PRICE	50.00
10-3.	Sheet Piling for ≤ 20 feet deep excavation (per square foot)	Per Sq. Foot/Month	FIXED PRICE	69.61
10-4.	Sheet Piling for > 20 feet deep excavation (per square foot)	Per Sq. Foot/Day	FIXED PRICE	60.00
10-5.	Sheet Piling for > 20 feet deep excavation (per sqyuare foot)	Per Sq. Foot/Week	FIXED PRICE	63.80
10-6.	Sheet Piling for > 20 feet deep excavation (per square foot)	Per Sq. Foot/Month	FIXED PRICE	70.00
10-7.	Conventional Soil Excavation and Loading ≤ 300 cubic yards	Per Cubic Yard	FIXED PRICE	40.16
10-8.	Conventional Soil Excavation and Loading > 300 cubic yards	Per Cubic Yard	FIXED PRICE	34.56
10-9.	LDA Excavation and Loading Without Casing ≤ 300 cubic yards	Per Cubic Yard	FIXED PRICE	140.00
10-10.	LDA Excavation and Loading Without Casing > 300 cubic yards	Per Cubic Yard	FIXED PRICE	120.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
10-11.a.	LDA Excavation and Loading With Surface Casing ≤ 300 cubic yards	Per Cubic Yard	FIXED PRICE	153.53
10-11.b.	LDA Excavation and Loading With Driven Casing ≤ 300 cubic yards	Per Cubic Yard	FIXED PRICE	285.32
10-12.a.	LDA Excavation and Loading With Surface Casing > 300 cubic yards	Per Cubic Yard	FIXED PRICE	148.13
10-12.b.	LDA Excavation and Loading With Driven Casing > 300 cubic yards	Per Cubic Yard	FIXED PRICE	231.32
10-13.	Flowable Fill Concrete and Installation	Per Cubic Yard	FIXED PRICE	113.93
10-14.	Clean Backfill Material, Compaction and Testing (includes transport) ≤ 300 cubic yards	Per Cubic Yard	FIXED PRICE	36.56
10-15.	Clean Backfill Material, Compaction and Testing (includes transport) > 300 cubic yards	Per Cubic Yard	FIXED PRICE	32.96
10-16.	Pea Gravel	Per Ton	FIXED PRICE	69.39
10-17.	#57 Stone	Per Ton	FIXED PRICE	46.99
10-18.	Dewatering System, up to 12 well points (includes installation)	Per Day	FIXED PRICE	4450.00
10-19.	Additional Dewatering System Well Points (2) (includes installation)	Per Day	FIXED PRICE	375.00
10-20.	Dewatering System, up to 12 well points (includes installation)	Per Week	FIXED PRICE	9000.00
10-21.	Additional Dewatering System Well Points (2) (includes installation)	Per Week	FIXED PRICE	600.00
10-22.	Dewatering System, up to 12 well points (includes installation)	Per Month	FIXED PRICE	18550.40
10-23.	Additional Dewatering System Well Points (2) (includes installation)	Per Month	FIXED PRICE	750.00
11	PETROLEUM STORAGE TANK REMOVAL AND DISPOSAL	**********	**********	**********
11-1.	Remove and Dispose Petroleum Storage Tank - ≤ 1,000 gal. capacity	Per Tank	FIXED PRICE	2678.00
11-2.	Remove and Dispose Petroleum Storage Tank - > 1,000 to 5,000 gal. capacity	Per Tank	FIXED PRICE	4480.00
11-3	Remove and Dispose Petroleum Storage Tank - > 5,000 to 10,000 gal. capacity	Per Tank	FIXED PRICE	6720.00
11-4.	Remove and Dispose Petroleum Storage Tank - > 10,000 gal. capacity	Per Tank	FIXED PRICE	8960.00
12	DEBRIS, WASTE AND PRODUCT REMOVAL AND DISPOSAL	**********	**********	**********
12-1.	Removal and Loading of Asphalt and/or Concrete - up to 4 inch thickness	Per Square Foot	FIXED PRICE	3.31
12-2.	Additional Removal/Loading Cost for Concrete - > 4 inch thickness	Per Square Foot	FIXED PRICE	2.75
12-3.	Loading, Transport and Disposal/Recycle Clean Overburden	Per Ton	FIXED PRICE	60.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
12-4.	Transport and Disposal of Clean Concrete	Per Ton	FIXED PRICE	39.20
12-5.	Transport and Disposal of Mixed Debris	Per Ton	FIXED PRICE	50.40
12-6.	Transport and Disposal of Petroleum Impacted Soil (includes drum)	Per Drum	FIXED PRICE	168.00
12-7.	Transport Petroleum Impacted Soil (bulk) ≤ 100 miles	Per Ton	FIXED PRICE	31.00
12-8.	Transport Petroleum Impacted Soil (bulk) > 100 miles	Per Ton	FIXED PRICE	39.20
12-9.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) ≤ 450 tons	Per Ton	FIXED PRICE	28.00
12-10.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) > 450 tons	Per Ton	FIXED PRICE	28.00
12-11.	Disposal of Petroleum Impacted Soil at a Thermal Treatment Facility (bulk) ≤ 450 tons	Per Ton	FIXED PRICE	36.75
12-12.	Disposal of Petroleum Impacted Soil at a Thermal Treatment Facility (bulk) > 450 tons	Per Ton	FIXED PRICE	36.75
12-13.	Transport and Disposal of Petroleum Contact Water (includes drum)	Per Drum	FIXED PRICE	195.00
12-14.	Transport and Disposal of Petroleum Contact Water (bulk)	Per Gallon	FIXED PRICE	1.50
12-15.	Transport and Disposal of Petroleum Product (includes drum)	Per Drum	FIXED PRICE	150.00
12-16.	Transport and Disposal of Petroleum Product (bulk)	Per Gallon	FIXED PRICE	1.60
13.	RESURFACING	**********	**********	**********
13-1.	Asphalt Paving - 2 inch thickness (includes sub-base)	Per Square Foot	FIXED PRICE	5.36
13-2.	Asphalt Paving - additional 1 inch thickness	Per Square Foot	FIXED PRICE	3.12
13-3.	Concrete Paving - 4 inch thickness (includes sub-base)	Per Square Foot	FIXED PRICE	7.60
13-4.	Concrete Paving - additional 1 inch thickness	Per Square Foot	FIXED PRICE	2.00
13-5.	Crushed Lime Rock Cover - 2 inch thickness	Per Square Foot	FIXED PRICE	3.24
13-6.	Grass - Sod	Per Square Foot	FIXED PRICE	0.90
13-7.	Grass - Seed and Mulch	Per Square Foot	FIXED PRICE	0.42
14.	IN-SITU INJECTION	**********	**********	**********
14-1.	Direct Push Boring with In-Situ Injection	Per Foot	FIXED PRICE	26.56
14-2.	In-Situ Injection Into Existing Well/Treatment Point	Per Injection Point	FIXED PRICE	493.80

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
14-2.	Materials to be Injected	Reimbursable	TBD	**********
15	REMEDIAL ACTION CONSTRUCTION	**********	**********	**********
15.A	TRENCHING	**********	**********	**********
15-1.	Trenching and Installation of Plumbing (and Electrical) Lines in Trench - up to 8 plumbing lines	Per Linear Foot	FIXED PRICE	26.71
15-2.	Trenching and Installation - Additional 2 plumbing lines	Per Linear Foot	FIXED PRICE	8.09
15-3.	Plumbing and Electrical Materials/Equipment Installed in Trench	Reimbursable	TBD	**********
15.B	REMEDIATION SYSTEM INTEGRATION AND STARTUP	**********	**********	**********
15-4.	System Installation/Integration/Startup - 1 technology component - up to 8 recovery/treatment points	Per Integration/ Startup	FIXED PRICE	9962.00
15-5.	System Installation/Integration/Startup – Addition of 1 technology component	Per Additional Tech Component	FIXED PRICE	3190.00
15-6.	System Installation/Integration/Startup – Addition of 2 recovery/treatment points	Per 2 Recovery/ Treatment Points	FIXED PRICE	1250.00
16	REMEDIAL ACTION - PACKAGED WORK SCOPES (Including Remediation System Equipment)	**********	**********	**********
16.A	PILOT TEST PACKAGES (Including Remediation System Equipment)	**********	**********	**********
16-1.	Groundwater Recovery System Pilot Test - 8 hours	Per Test	FIXED PRICE	5520.00
16-2.	Groundwater Recovery System Pilot Test - Additional Time	Per 2 Hrs	FIXED PRICE	796.00
16-3.	Air Sparging or Biosparging Pilot Test - 8 hours	Per Test	FIXED PRICE	4420.00
16-4.	Air Sparging or Biosparging Pilot Test - Additional Time	Per 2 Hrs	FIXED PRICE	670.00
16-5.	Vapor Extraction Pilot Test - 8 hours	Per Test	FIXED PRICE	4420.00
16-6.	Vapor Extraction Pilot Test - Additional Time	Per 2 Hrs	FIXED PRICE	670.00
16-7.	Vapor Extraction/Aquifer Pumping Test - 8 hours	Per Test	FIXED PRICE	5200.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
16-8.	Vapor Extraction/Aquifer Pumping Test - Additional Time	Per 2 Hrs	FIXED PRICE	796.00
16-9.	Air Sparging/Vapor Extraction Pilot Test - 8 hours	Per Test	FIXED PRICE	5520.00
16-10.	Air Sparging/Vapor Extraction Pilot Test - Additional Time	Per 2 Hrs	FIXED PRICE	670.00
16-11.	Multi-Phase Pilot Test - 8 hours	Per Test	FIXED PRICE	5520.00
16-12.	Multi-Phase Pilot Test - Additional Time	Per 2 Hrs	FIXED PRICE	796.00
16 B	SHORT TERM/EPISODIC SYSTEM OPERATION PACKAGES (Including Remediation System Equipment)	**********	**********	**********
16-17.	Groundwater Treatment System Package - Medium	Per Day	FIXED PRICE	4219.00
16-18.	Groundwater Treatment System Package - Medium	Per Week	FIXED PRICE	12088.00
16-19.	Air Sparge System Package - Medium	Per Day	FIXED PRICE	2614.00
16-20.	Air Sparge System Package - Medium	Per Week	FIXED PRICE	8877.00
16-21.	AS/SVE System Package - Medium	Per Day	FIXED PRICE	3558.00
16-22.	AS/SVE System Package - Medium	Per Week	FIXED PRICE	10765.00
16-23.	MPE System Package - Medium	Per Day	FIXED PRICE	3344.00
16-24.	MPE System Package - Medium	Per Week	FIXED PRICE	10338.00
17	MONTHLY REMEDIATION SYSTEM O&M PACKAGED WORK SCOPES (Excluding Remediation System Equipment)	**********	**********	**********
17-1.	System O&M Package - Small	Per Month	FIXED PRICE	2940.00
17-2.	System O&M Package - Medium	Per Month	FIXED PRICE	3500.00
17-3.	System O&M Package - Large	Per Month	FIXED PRICE	4080.00
17-4.	System O&M Package - Extra Large	Per Month	FIXED PRICE	4638.00
17-5.	Supplemental System O&M Package - Add Thermox or Catox Treatment	Per Month	FIXED PRICE	368.00
18	REMEDIAL ACTION SYSTEM/EQUIPMENT USE (Equipment Only, Excluding O&M)	**********	**********	**********
18-1.	Medium Holding Tank - 2,000 to 6,000 gal. capacity - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	275.00
18-2.	Medium Holding Tank - 2,000 to 6,000 gal. capacity - Long Term > 6 mos.	Per Month	FIXED PRICE	165.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
18-3.	Large Holding Tank > 6,000 to 10,000 gal. capacity - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	825.00
18-4.	Large Holding Tank > 6,000 to 10,000 gal. capacity - Long Term > 6 mos.	Per Month	FIXED PRICE	413.00
18-5.	Groundwater Treatment System - Stand Alone Small - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	6430.00
18-6.	Groundwater Treatment System - Stand Alone Small - Long Term > 6 mos.	Per Month	FIXED PRICE	4092.00
18-7.	Groundwater Treatment System - Stand Alone Medium - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	9797.00
18-8.	Groundwater Treatment System - Stand Alone Medium - Long Term > 6 mos.	Per Month	FIXED PRICE	6234.00
18-9.	Groundwater Treatment System - Stand Alone Large - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	13959.00
18-10.	Groundwater Treatment System - Stand Alone Large - Long Term > 6 mos.	Per Month	FIXED PRICE	8883.00
18-11.	Air Sparge System - Small - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	3031.00
18-12.	Air Sparge System - Small - Long Term > 6 mos.	Per Month	FIXED PRICE	1928.00
18-13.	Air Sparge System - Medium - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	3376.00
18-14.	Air Sparge System - Medium - Long Term > 6 mos.	Per Month	FIXED PRICE	2148.00
18-15.	Air Sparge System - Large - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	4897.00
18-16.	Air Sparge System - Large - Long Term > 6 mos.	Per Month	FIXED PRICE	3116.00
18-17.	AS/SVE System - Small - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	6802.00
18-18.	AS/SVE System - Small - Long Term > 6 mos.	Per Month	FIXED PRICE	4329.00
18-19.	AS/SVE System - Medium - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	7940.00
18-20.	AS/SVE System - Medium - Long Term > 6 mos.	Per Month	FIXED PRICE	5052.00
18-21.	AS/SVE System - Large - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	8500.00
18-22.	AS/SVE System - Large - Long Term > 6 mos.	Per Month	FIXED PRICE	7068.00
18-23.	MPE System - Small - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	4327.00
18-24.	MPE System - Small - Long Term > 6 mos.	Per Month	FIXED PRICE	2753.00
18-25.	MPE System - Medium - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	6327.00
18-26.	MPE System - Medium - Long Term > 6 mos.	Per Month	FIXED PRICE	4026.00
18-27.	MPE System - Large - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	8256.00
18-28.	MPE System - Large - Long Term > 6 mos.	Per Month	FIXED PRICE	5254.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
18-29.	Groundwater Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	6430.00
18-30.	Groundwater Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	3980.00
18-31.	Groundwater Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	9351.00
18-32.	Groundwater Treatment - Add On - Small - Long Term > 6 mos.	Per Month	FIXED PRICE	5950.00
18-33.	Groundwater Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	FIXED PRICE	8479.00
18-34.	Groundwater Treatment - Add On - Large - Long Term > 6 mos.	Per Month	FIXED PRICE	7700.00
18-35.	Carbon Off Gas Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	750.00
18-36.	Carbon Off Gas Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	402.00
18-37.	Carbon Off Gas Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	1007.00
18-38.	Carbon Off Gas Treatment - Add On - Small- Long Term > 6 mos.	Per Month	FIXED PRICE	359.00
18-39.	Carbon Off Gas Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	FIXED PRICE	500.00
18-40.	Carbon Off Gas Treatment - Add On - Large - Long Term > 6 mos.	Per Month	FIXED PRICE	440.00
18-41.	Thermox/Catox Off Gas Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	3675.00
18-42.	Thermox/Catox Off Gas Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	4725.00
18-43.	Thermox/Catox Off Gas Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	FIXED PRICE	6825.00
18-44.	Thermox/Catox Off Gas Treatment - Add On - Small - Long Term > 6 mos.	Per Month	FIXED PRICE	3150.00
18-45.	Thermox/Catox Off Gas Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	FIXED PRICE	4200.00
18-46.	Thermox/Catox Off Gas Treatment - Add On - Large - Long Term > 6 mos.	Per Month	FIXED PRICE	6300.00
19.	REPORTS (Excluding Professional Engineering and Professional Geology Services)	**********	**********	**********
19-1.	Soil Source Removal Report	Per Report	FIXED PRICE	2107.00
19-2.	Site Characterization Screening Report	Per Report	FIXED PRICE	2000.00
19-3.	General Site Assessment Report	Per Report	FIXED PRICE	3668.00
19-4.	Supplemental Site Assessment Report	Per Report	FIXED PRICE	1624.00
19-5.	Receptor and Exposure Pathway Report	Per Report	FIXED PRICE	1624.00
19-6.	Level 2 Natural Attenuation Monitoring Plan	Per Plan	FIXED PRICE	1000.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
19-7.	Natural Attenuation or Post RA Monitoring Report, Quarterly or Non-Annual	Per Report	FIXED PRICE	634.00
19-8.	Natural Attenuation or Post RA Monitoring Report, Annual	Per Report	FIXED PRICE	1537.00
19-9.	Pilot Test Plan	Per Plan	FIXED PRICE	784.00
19-10.	Pilot Test Report	Per Report	FIXED PRICE	1190.00
19-11.	Level 1 Remedial Action Plan	Per Plan	FIXED PRICE	12500.00
19-12.	Level 2 Remedial Action Plan	Per Plan	FIXED PRICE	16500.00
19-13.	Level 1 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	1624.00
19-14.	Level 2 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	3157.00
19-15.	Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	5250.00
19-16.	Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	8500.00
19-17.	Construction Drawings and Specs Report	Per Report	FIXED PRICE	4000.00
19-18.	As-Built Drawings (P.E. sealed red lined modifications)	Per Drawings	FIXED PRICE	750.00
19-19.	Remedial Action Startup Report	Per Report	FIXED PRICE	2750.00
19-20.	Letter/NPDES Report	Per Report	FIXED PRICE	350.00
19-21.	Operation & Maintenance Report, Quarterly or Non-Annual	Per Report	FIXED PRICE	1750.00
19-22.	Operation & Maintenance Annual Report	Per Report	FIXED PRICE	3250.00
19-23.	Remedial Action General Report	Per Report	FIXED PRICE	1264.00
19-24.	Remedial Action Interim Report	Per Report	FIXED PRICE	634.00
19-25.	Free Product Recovery Report	Per Report	FIXED PRICE	550.00
19-26.	Well Abandonment/Site Restoration Report	Per Report	FIXED PRICE	273.00
20	PERSONNEL (Excluding Professional Engineer and Professional Geologist)	**********	**********	**********
20-1.	Program Manager (Key)	Per Hour	FIXED PRICE	150.00
20-2.	Project Manager (Key)	Per Hour	FIXED PRICE	130.00
20-3.	Engineer (Key)	Per Hour	FIXED PRICE	105.00
20-4.	Geologist/Geoscientist (Key)	Per Hour	FIXED PRICE	98.00

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
20-5.	Hydrogeologist/Modeler (Key)	Per Hour	FIXED PRICE	105.00
20-6.	Scientist/Technical Specialist (Key)	Per Hour	FIXED PRICE	90.00
20-7.	Assistant Scientist/Technical Specialist	Per Hour	FIXED PRICE	77.00
20-8.	Field Technician (Key)	Per Hour	FIXED PRICE	75.00
20-9.	Draftsperson	Per Hour	FIXED PRICE	63.00
20-10.	Administrative	Per Hour	FIXED PRICE	55.00
20-11.	Laborers and Security Guards	Per Hour	FIXED PRICE	53.00
21.	PROFESSIONAL SERVICES	**********	**********	**********
21-1.	Professional Engineer (**Key**)	Per Hour	FIXED PRICE	$158
21-2.	Professional Geologist (**Key**)	Per Hour	FIXED PRICE	$158
21-3.	P.G. Field Oversight of Drilling and Boring and Soil-Boring Logging	*site specific basis*		
21-4.	P.G. Field Oversight of Well Installation	*site specific basis*		
21-5.	P.E. Project Oversight for Remediation Technology Pilot Testing	Per Test	FIXED PRICE	$1,264
21-6.	P.E. Project Oversight for Remediation System Integration and Startup *(For system sizes use table in Scope of Services 17. - RA System O&M Packaged Work Scopes)*			
21-6.a.	Small System	Per System	FIXED PRICE	$2,370
21-6.b.	Medium System	Per System	FIXED PRICE	$2,844
21-6.c.	Large System	Per System	FIXED PRICE	$3,634
21-6.d.	Extra Large System	Per System	FIXED PRICE	$4,424
21-7.	P.E. Project Oversight for Short Term or Episodic Remediation System Operation			
21-7.a.	For short term or episodic events on a daily basis	Per Day	FIXED PRICE	$316
21-7.b.	For short term or episodic events on a weekly basis	Per Week	FIXED PRICE	$1,106
21-8.	P.E. Project Oversight for Remediation System Operation and Maintenance	Per Month	FIXED PRICE	$1,580

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
21-9.	P.E. Review and Certification of Sufficiency of Engineering Controls (other than permanent, impermeable surface or top two feet of clean fill), with Monitoring and Maintenance Recommendations Required for a Conditional NFA	Per Review and Certification	FIXED PRICE	$1,264
21-10.	P.G. Review and Certification of Sufficiency of Engineering Controls Limited to Permanent, Impermeable Surface or Top Two Feet of Clean Fill with Monitoring and Maintenance Recommendations Required for a Conditional NFA	Per Review and Certification	FIXED PRICE	$632
21-11.	P.E. Design and Certification of Plans and Project Oversight of Installation for Engineering Controls (other than permanent, impermeable surface or top two feet of clean fill) required for a conditional NFA	Per Engineering Controls Installation	FIXED PRICE	$3,792
21-12.	P.G. Review, Evaluation and Certification of Plans and Project Oversight for Installation of Engineering Controls Limited to Permanent, Impermeable Surface or Top Two Feet of Clean Fill Required for a Conditional NFA	Per Engineering Controls Installation	FIXED PRICE	$1,896
21-13.	P.G. or P.E. Review, Evaluation and Certification of a Soil Source Removal Report That Includes a Recommendation for NFA	Per Report	FIXED PRICE	$316
21-14.	P.G. or Qualified P.E. Review, Evaluation and Certification of a Site Characterization Screening Report Attesting to the Field Work Portion Only and if the Report Includes a Recommendation for NFA	Per Report	FIXED PRICE	$316
21-15.	P.G. or Qualified P.E. Review, Evaluation and Certification of a General Site Assessment Report	Per Report	FIXED PRICE	$474
21-16.	P.G. or Qualified P.E. Review, Evaluation and Certification of a Supplemental Site Assessment Report	Per Report	FIXED PRICE	$316
21-17.	P.G. or P.E. Review, Evaluation and Certification of a Receptor and Exposure Pathway Report	Per Report	FIXED PRICE	$316

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
21-18.	P.E. Review, Evaluation and Certification of a Level 2 Natural Attenuation Monitoring Plan	Per Plan	FIXED PRICE	$158
21-19.	P.E. Review, Evaluation and Certification of a Non-Annual Natural Attenuation or Post RA Monitoring Report That Includes a Recommendation for NFA or a Recommendation to Modify the Approved Monitoring Plan	Per Report	FIXED PRICE	$158
21-20.	P.G or P.E. Review, Evaluation and Certification of an Annual Natural Attenuation Monitoring Report	Per Report	FIXED PRICE	$158
21-21.	P.E. Review, Evaluation and Certification of a Pilot Test Plan	Per Plan	FIXED PRICE	$316
21-22.	P.E. Review, Evaluation and Certification of a Pilot Test Report	Per Report	FIXED PRICE	$632
21-23.	P.E. Review, Evaluation and Certification of a Level 1 Remedial Action Plan	Per Plan	FIXED PRICE	$4,582
21-24.	P.E. Review, Evaluation and Certification of a Level 2 Remedial Action Plan	Per Plan	FIXED PRICE	$6,004
21-25.	P.E. Review, Evaluation and Certification of a Level 1 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	$316
21-26.	P.E. Review, Evaluation and Certification of a Level 2 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	$316
21-27.	P.E. Review, Evaluation and Certification of a Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	$1,264
21-28.	P.E. Review, Evaluation and Certification of a Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	FIXED PRICE	$3,002
21-29.	P.E. Review, Evaluation and Certification of As-Built Drawings (P.E. sealed red lined modifications)	Per Set of Drawings	FIXED PRICE	$158
21-30.	P.E. Review, Evaluation and Certification of a Remedial Action Startup Report That Includes a Recommendation for System Modification or Significant Change in the Course of Action	Per Report	FIXED PRICE	$474

PAY ITEM	DESCRIPTION	UNIT	PAYMENT TYPE	PRICE
21-31.	P.E. Review, Evaluation and Certification of a Non-Annual Operation and Maintenance Report That Includes Significant Proposed Changes to the Approved RAP	Per Report	FIXED PRICE	$316
21-32	P.E. Review, Evaluation and Certification of an Annual Operation and Maintenance Report	Per Report	FIXED PRICE	$1,896
21-33.	P.G or P.E. Review, Evaluation and Certification of a Remedial Action General Report	Per Report	FIXED PRICE	$158
21-34.	P.G or P.E. Review, Evaluation and Certification of an Interim Remedial Action Report That Includes a Recommendation for System Modification or Significant Change in the Course of Action	Per Report	FIXED PRICE	$158
*Professional design and/or review and certification of various plans and reports are priced on a per plan/report basis. Response to comments or requests for information do not warrant an additional payment. However, supplement reports and addenda that represent additional design, evaluation, etc. could warrant an additional payment.				

ATTACHMENT E

SUBCONTRACTOR UTILIZATION REPORT FORM FOR COMMODITIES/SERVICES

DIRECTIONS:

Contractors working for the Florida Department of Environmental Protection (DEP) **must complete and submit this attachment with each invoice submitted for payment**. Questions regarding use of this form should be directed to the Procurement Section (MS93), Florida Department of Environmental Protection, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, Phone 850/245-2361.

DEP Contract No.:_____

Invoice Number:_____

Task Assignment No. (if applicable):_____

Invoice Service Period:_____

INDICATE THE **ONE** CATEGORY THAT BEST DESCRIBES EACH ORGANIZATION LISTED

LIST NAMES AND ADDRESSES OF SUBCONTRACTORS UTILIZED THIS INVOICE PERIOD	LIST AMOUNT PAID TO EACH SUBCONTRACTOR THIS INVOICE PERIOD	BUSINESS CLASSIFICATION						CERTIFIED MBE					NON-CERTIFIED MBE					NON-PROFIT ORG.			
		NON-MINORITY	SMALL BUSINESS (STATE)	SMALL BUSINESS (FEDERAL)	GOVERNMENTAL AGENCY	NON-PROFIT ORGANIZATION	P.R.I.D.E.	AFRICAN AMERICAN	HISPANIC	ASIAN/HAWAIIAN	NATIVE AMERICAN	AMERICAN WOMAN	AFRICAN AMERICAN	HISPANIC	ASIAN/HAWAIIAN	NATIVE AMERICAN	AMERICAN WOMAN	BOARD IS 51% OR MORE MINORITY	51% OR MORE MINORITY OFFICERS	51% OR MORE MINORITY COMMUNITY SERVED	OTHER NON-PROFIT

DEP Contract No.:_____

Invoice Number:_____

Task Assignment No. (if applicable):_____

Invoice Service Period:_____

LIST NAMES AND ADDRESSES OF SUBCONTRACTORS UTILIZED THIS INVOICE PERIOD	LIST AMOUNT PAID TO EACH SUBCONTRACTOR THIS INVOICE PERIOD	INDICATE THE **ONE** CATEGORY THAT BEST DESCRIBES EACH ORGANIZATION LISTED																			
		BUSINESS CLASSIFICATION						CERTIFIED MBE					NON-CERTIFIED MBE					NON-PROFIT ORG.			
		NON-MINORITY	SMALL BUSINESS (STATE)	SMALL BUSINESS (FEDERAL)	GOVERNMENTAL AGENCY	NON-PROFIT ORGANIZATION	P.R.I.D.E.	AFRICAN AMERICAN	HISPANIC	ASIAN/HAWAIIAN	NATIVE AMERICAN	AMERICAN WOMAN	AFRICAN AMERICAN	HISPANIC	ASIAN/HAWAIIAN	NATIVE AMERICAN	AMERICAN WOMAN	BOARD IS 51% OR MORE MINORITY	51% OR MORE MINORITY OFFICERS	51% OR MORE MINORITY COMMUNITY SERVED	OTHER NON-PROFIT

DEP Contract No.:_____

Invoice Number:_____

Task Assignment No. (if applicable):_____

Invoice Service Period:_____

LIST NAMES AND ADDRESSES OF SUBCONTRACTORS UTILIZED THIS INVOICE PERIOD	LIST AMOUNT PAID TO EACH SUBCONTRACTOR THIS INVOICE PERIOD	INDICATE THE **ONE** CATEGORY THAT BEST DESCRIBES EACH ORGANIZATION LISTED																			
		BUSINESS CLASSIFICATION						CERTIFIED MBE					NON-CERTIFIED MBE					NON-PROFIT ORG.			
		NON-MINORITY	SMALL BUSINESS (STATE)	SMALL BUSINESS (FEDERAL)	GOVERNMENTAL AGENCY	NON-PROFIT ORGANIZATION	P.R.I.D.E.	AFRICAN AMERICAN	HISPANIC	ASIAN/HAWAIIAN	NATIVE AMERICAN	AMERICAN WOMAN	AFRICAN AMERICAN	HISPANIC	ASIAN/HAWAIIAN	NATIVE AMERICAN	AMERICAN WOMAN	BOARD IS 51% OR MORE MINORITY	51% OR MORE MINORITY OFFICERS	51% OR MORE MINORITY COMMUNITY SERVED	OTHER NON-PROFIT

SUBCONTRACTOR UTILIZATION REPORT FORM CERTIFICATION:

I certify that the information provided in the preceding page(s) is accurate as of the last day of the payment period identified on this form.

_____
(Signature) (Date)

_____
(Business Name)

_____
(Street Address)

_____
(City, State, Zip Code)

_____
(Phone Number)

DEP 55-217 (08/00)

ATTACHMENT F

Contract Payment Requirements
Florida Department of Financial Services, Reference Guide for State Expenditures
Cost Reimbursement Contracts

Invoices for cost reimbursement contracts must be supported by an itemized listing of expenditures by category (salary, travel, expenses, etc.) Supporting documentation must be provided for each amount for which reimbursement is being claimed indicating that the item has been paid. Check numbers may be provided in lieu of copies of actual checks. Each piece of documentation should clearly reflect the dates of service. Only expenditures for categories in the approved contract budget may be reimbursed. These expenditures must be allowable (pursuant to law) and directly related to the services being provided.

Listed below are examples of types of documentation representing the minimum requirements:

(1) Salaries: A payroll register or similar documentation should be submitted. The payroll register should show gross salary charges, fringe benefits, other deductions and net pay. If an individual for whom reimbursement is being claimed is paid by the hour, a document reflecting the hours worked times the rate of pay will be acceptable.

(2) Fringe Benefits: Fringe Benefits should be supported by invoices showing the amount paid on behalf of the employee (e.g., insurance premiums paid). If the contract specifically states that fringe benefits will be based on a specified percentage rather than the actual cost of fringe benefits, then the calculation for the fringe benefits amount must be shown.

Exception: Governmental entities are not required to provide check numbers or copies of checks for fringe benefits.

(3) Travel: Reimbursement for travel must be in accordance with Section 112.061, Florida Statutes, which includes submission of the claim on the approved State travel voucher or electronic means.

(4) Other direct costs: Reimbursement will be made based on paid invoices/receipts. If nonexpendable property is purchased using State funds, the contract should include a provision for the transfer of the property to the State when services are terminated. Documentation must be provided to show compliance with Department of Management Services Rule 60A-1.017, Florida Administrative Code, regarding the requirements for contracts which include services and that provide for the contractor to purchase tangible personal property as defined in Section 273.02, Florida Statutes, for subsequent transfer to the State.

(5) In-house charges: Charges which may be of an internal nature (e.g., postage, copies, etc.) may be reimbursed on a usage log which shows the units times the rate being charged. The rates must be reasonable.

(6) Indirect costs: If the contract specifies that indirect costs will be paid based on a specified rate, then the calculation should be shown.

Contracts between state agencies may submit alternative documentation to substantiate the reimbursement request that may be in the form of FLAIR reports or other detailed reports.

The Florida Department of Financial Services, Reference Guide to State Expenditures (February 2011) can be found at the following web address: http://www.myfloridacfo.com/aadir/reference_guide/

ATTACHMENT G

PETROLEUM RESTORATION PROGRAM

CONTRACTOR AFFIDAVIT/RELEASE OF CLAIMS FORM

This affidavit must be completed and signed by the Contractor when requesting final payment for a Florida Department of Environmental Protection (DEP) Petroleum Restoration Program authorized Work Assignment. The signature of the Contractor shall be notarized as set forth below. Final payment for a Work Assignment will not be released until this form is accepted by the DEP.

The undersigned certifies as follows:

1. I, _____ am the _____ of
   (name of person appearing) (title of person appearing)

   _____ with the authority to
   (name of contractor)

   make this statement on its behalf;

2. _____ ("the Contractor") entered into an
   (name of company or person)

   agreement with the Department to perform certain work under Task Assignment No. _____/PO _____

   to perform services on the following real property:

   Site Name: _____ Facility ID #: _____
   (site or business name) (FDEP facility number)

   Site Address: _____
   (street, city, county)

   Site Owner: _____
   (name of property owner)

3. Contractor has completed the work in accordance with the aforementioned Work Assignment, including all attachments thereto.
4. All subcontractors have been paid in full.
5. Receipt by Contractor of the final payment, under the aforementioned task assignment shall constitute a full release and discharge by Contractor to Owner of any and all claims of Contractor against Owner, arising out of, connected with, or resulting from, performance of the obligations of Contractor and any of its subcontractors and vendors related to this Work Assignment. Contractor shall certify such release of claim to Owner, in writing, upon request by Owner.
6. Upon receipt by Contractor from Department of final payment under the aforementioned Work Assignment, Contractor releases Department from any and all claims of Contractor and any of its subcontractors and vendors that may arise under, or by virtue of, the task assignment, except those claims that may be specifically exempted and set forth under the terms of this Work Assignment. Exemptions claimed must be attached to this affidavit and reference the Task Assignment or PO number. Any exemptions not attached are hereby waived.

_____
(signature of authorized contractor representative)

---------- **Notarization of Signature of Contractor (required)** ----------

State of _____ County of _____

Sworn to and subscribed before me by _____ this _____ day of _____, 20___.

Personally known ( )
Produced Identification ( ) Type of ID:_____

_____ My Commission Expires _____
(Notary's Signature)

Notary Public, State of _____ Commission Number (if applicable) _____

ATTACHMENT H
LIQUIDATED DAMAGES ASSESSMENT FORM

To: Bureau of Finance and Accounting, Contracts Disbursements Section (MS 78)

Through: Office of General Counsel

From: _____ , Contract Manager

Date: _____

Subject: Liquidated Damages

Contractor/Vendor: _____

DEP Contract No: _____ Task Assignment/PO No.: _____

The Contractor/Vendor did not complete the work covered by the referenced Contract/Task Assignment/PO in the time frame provided. Contractor gave the following reasons for the delay:

_____

_____

_____

_____

_____

The Contract/Task Assignment/PO provides that liquidated damages may be assessed for failure of the Contractor/Vendor to meet Contract/Task Assignment/PO terms and conditions, except for reasons beyond the control of the Contractor/Vendor. Therefore:

☐ I recommend that liquidated damages <u>be</u> assessed.

☐ I recommend that liquidated damages <u>not be</u> assessed.

☐ I recommend that only $_____ of liquidated damages provided for be assessed, for the following reasons:_____

Explanation/Calculations: _____

_____

_____

_____

Complete all information above, attach to invoice and relevant contract documents with all processing information completed and forward to the Contracts Disbursements Section (MS 78) for final processing once approved by the Office of General Counsel.

Approval: ☐ As recommended ☐ $_____in Liquidated Damages

Disapproved: ☐

_____ _____
DEP Contracts Attorney Date

FLORIDA SINGLE AUDIT ACT CHECKLIST FOR NON-STATE ORGANIZATIONS - RECIPIENT/SUBRECIPIENT VS. VENDOR DETERMINATION

This checklist and the standard contract audit language may be obtained electronically from the Department of Financial Services' website (https://apps.fldfs.com/fsaa).

If a Florida Single Audit Act State Project Determination Checklist has not been previously completed, please complete it now. (Applies only to State agencies)

This checklist must be used by State agencies to evaluate the applicability of the Florida Single Audit Act (FSAA) to non-state organizations after a state program has been determined (using the Florida Single Audit Act State Project Determination Checklist) to provide state financial assistance (i.e. is a State Project as defined in 215.97 (2), F.S.). This checklist assists in determining if the non-state organization is a vendor, recipient/subrecipient, or an exempt organization.

Recipients and subrecipients of state financial assistance must also use this checklist to evaluate the applicability of the FSAA to non-state organizations to which they provide State resources to assist in carrying out a State Project.

Name of Non-state Organization: AMEC Environment & Infrastructure, Inc.

Type of Non-state Organization: for-profit

(i.e. nonprofit, for-profit, local government; if the non-state organization is a local government, please indicate the type of local government – municipality, county commission, constitutional officer, water management district, etc.)

Awarding Agency: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Title of State Project: Petroleum Contamination Site Response Action Services - North Region

Catalog of State Financial Assistance (CSFA) Number: _____

Contract/Grant/Agreement Number: GC788

PART A

YES	NO	
___	X	1. Is the non-state organization a district school board, charter school, community college, public university, government outside of Florida, or a Federal agency?
___	X	2. Is the relationship with the non-state organization **only** to procure commodities (as defined in 287.012(5) F.S.)?
___	X	3. Does the relationship with the non-state organization consist of **only** Federal resources, State matching resources for Federal Programs or local matching resources for Federal Programs?
___	X	4. Does the relationship with the non-state organization consist of **only** State maintenance of effort (MOE)[1] resources that meet **all** of the following criteria?
___	X	A. Do Federal Regulations specify the requirements for the use of the State MOE resources and are there no additional State requirements?
___	X	B. Do contracts contain sufficient language to identify the State MOE resources and the associated Federal Program?
___	X	C. Do A-133 audit requirements apply to the State MOE resources and do contracts stipulate that the State MOE resources should be tested in an A-133 audit in accordance with Federal Program requirements?

[1] MOE refers to the Federal maintenance of effort/level of effort requirements as defined by OMB Circular A-133 Compliance Requirement G (Matching, Level of Effort, Earmarking).

If **any** of 1-4 above is **yes**, the recipient/vendor relationship determination does not need to be completed because **the FSAA is not applicable to the non-state organization.**

PART B

Recipient/Vendor Relationship Determination:

The following should be analyzed for each relationship with a non-state organization where it has been determined that the state program provides state financial assistance (i.e. is a State Project) and the non-state organization is not exempt based on the questions above. This relationship may be evidenced by, but not limited to, a contract, agreement, or application.

YES	NO	
___	X	1. Does State law or legislative proviso create the non-state organization to carry out this State Project?
___	X	2. Is the non-state organization required to provide matching resources not related to a Federal Program?
___	X	3. Is the non-state organization required to meet or comply with specified State Project requirements in order to receive State resources? (State Project requirements include laws, rules, or guidelines specific to the State Project such as eligibility guidelines, specified types of jobs to be created, donation of specified assets, etc. Specified State Project requirements do not include procurement standards, general guidelines, or general laws/rules.)
___	X	4. Is the non-state organization required to make State Project decisions, which the State agency would otherwise make? (e.g. determine eligibility, provide case management, etc.)
___	X	5. Is the non-state organization's performance measured against whether State Project objectives are met? (e.g. number of jobs to be created, number of patients to be seen, number of disadvantaged citizens to be transported, etc. Performance measures may or may not be related to State performance-based budgeting.)

If **any** of the above is **yes**, there is a **recipient/subrecipient relationship** and the non-state organization **is** subject to the FSAA. Otherwise the non-state organization is a **vendor** and is **not** subject to the FSAA.

PART C

Based on your analysis of the response above and discussions with appropriate agency personnel, state your conclusion regarding the non-state organization.

(Check one) **Recipient/Subrecipient:** **Vendor:** X **Exempt Organization:**

Comments:

Print Name: Ruth Heggen **Telephone Number:** 850-245-2352

Title: Program Administrator

Signature: ***Ruth Heggen*** **Date:** 02/06/2014

Note it is the program personnel's responsibility to notify Finance and Accounting of which non-state organizations have been determined to be recipients and are receiving state financial assistance (i.e. disbursements must be coded as 7500 object code in FLAIR).

Note it is possible to have a contractual agreement with a non-state organization under Chapter 287, Florida Statutes, and still consider the non-state organization a recipient under the Florida Single Audit Act.

If a recipient/subrecipient relationship exists the standard contract audit language, including Exhibit 1 (DFS-A2-CL), must be included in the document that established the State's, recipient's, or subrecipient's relationship with the non-state entity.

Questions regarding the evaluation of a non-state organization or if it has been determined that the non-state organization is a recipient and a CSFA number has not been assigned, contact your FSAA State agency liaison or the Department of Financial Services, Bureau of Auditing at (850) 413-3060 or Suncom 293-3060. Reference may be made to Rule 69I-5, FAC.

Wood Environment & Infrastructure Solutions, Inc.
6256 Greenland Road
Jacksonville, Florida 32258
Phone: 904.396.5173
www.woodplc.com

March 27, 2019

Mr. Jeff Foster
City of Jacksonville
Solid Waste Division
1031 Superior Street
Jacksonville, FL 32202

Subject: **Contamination Assessment & Remediation Services (RFP No.: P-02-17)**

Dear Mr. Foster:

Recently you requested that we advise of any changes to our organizational structure from the original proposal submitted in response to the City's 2017 Request for Proposals for Contamination Assessment and Remediation Services (P-02-17). Though our structure remains intact, we have changed two of the proposed staffing which we believe is an upgrade in the qualifications for these two important positions.

- **Project/Contract Manager** – Our original proposal included Mr. Jason Goldstein as the Contract Manager, now we are pleased to offer Ms. Rebecca Vanderbeck, P.E. as a suitable replacement. Ms. Vanderbeck was represented in our original proposal within the Remediation Services specialty, and her resume was included within our original response. As a registered professional engineer with substantial environmental experience, we believe she will be able to provide substantial support in helping the City achieve its goals.
- **Assessment Services Lead** – Previously, we offered the services of Mr. Eric Arenberg, P.G. to serve this role but are pleased to offer Ms. Amy Fu, P.E. who has substantial FDEP relevant experience. Dr. Fu's resume was not included in the original response to the city's RFP, so we have attached a summarized version with this letter for your review.
- **Summary** – We have also included an updated organizational chart for your use. In the event you find any need to increase our staffing, we are pleased to supplement as necessary from our available 400 professional staff in Florida or even further as the needs of the city determine.

As the seventh largest design firm in the world, we are confident in our ability to bring the necessary skills and talents to serve the City of Jacksonville, as we have locally since 1957.

Sincerely,

Wood Environment & Infrastructure, Inc.

Rebecca J Vanderbeck

Rebecca Vanderbeck, PE
Project Manager
Primary Project Liaison
Phone: (904)391-3760
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Michael Holm, PE
Principal, Operations Manager
Alternate Project Liaison
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PETROLEUM RESTORATION PROGRAM
AGENCY TERM CONTRACT NO. GC788
RATE INCREASE AND DECREASE
AMENDMENT NO. 6

The Agency Term Contract No. GC788 (hereinafter "Contract") between the FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (hereinafter "Department") and WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. (hereinafter "Contractor") executed on February 18, 2014, to provide petroleum contamination site response action services in the North Region, is hereby amended.

WHEREAS, the Contractor has requested that rate reductions be made to Attachment D (V2.0) entitled "Rate Schedule"; and,

WHEREAS, the Contractor has requested that rate increases be made to Attachment D (V2.0) entitled "Rate Schedule" in accordance with provision 11.B of the Contract; and,

WHEREAS, the Contractor has submitted the detailed justification required under provision 11.B.ii to support the increase(s) requested; and

WHEREAS, the Department has reviewed this justification and agrees with the requested increase(s); and,

WHEREAS, the requested increase percentage does not exceed the maximum of 5% allowed in provision 11.B.ii; and,

WHEREAS, the Department and Contractor wish to establish a date certain for the rate changes specified herein to be effective, following the execution of this Amendment and the Department's data processing of the rate changes (hereinafter "Rate Change Date"); and,

WHEREAS, the rate changes authorized will be applicable only for new work assignments offered on or after the Rate Change Date ("New Work" assignments).

NOW THEREFORE, the parties agree as follows:

1. All pre-Rate Change Date work assignments and previously offered work assignments will continue to apply Contractor's applicable prior Rate Schedule.

2. Contractor's Rate Schedule is hereby changed for the Pay Items indicated on Table 1 below, effective for New Work assignments unless and until further modified by a subsequent amendment to the Contract.

3. This amendment only changes the rates as specified on Table 1, and does not add, delete or otherwise modify any of the line items contained in the Contract.

4. Attachment D, Rate Schedule (V2.1) is hereby added to the Contract and attached hereto and made a part hereof. For all work assignments offered on or after the Rate Change Date established in this Amendment, Attachment D, Rate schedule (V2.1) shall apply.

5. The Rate Change Date is the date shown at the bottom of this Amendment for the Department's Data Processing Information. Prior to the Rate Change Date, the Department shall provide Contractor a copy of the tabulated rate changes herein and showing the effective Rate Change Date, within five (5) business days from the data entry date and prior to the Rate Change Date.

6. All other terms and conditions of the Contract remain in effect. If and to the extent that any inconsistency may appear between the Contract and this Amendment, the provisions of this Amendment shall control.

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Table 1. Listed Schedule of Pay Items with Rate Changes

Pay Item No.	Description	Pre-existing Rate	Agreed New Rate[1]	Est % Rate Change[2]
1-5.	Off-Site Property Access Agreement	$300.00	$315.00	+5.00%
2-1.	Site Reconnaissance/Field Measurement Visit	$400.00	$420.00	+5.00%
2-2.	Receptor Survey and Exposure Pathway Identification (excludes report)	$500.00	$525.00	+5.00%
2-4.	Contractor Oversight for Non-Price Schedule Activities	$750.00	$787.50	+5.00%
3-1.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - ≤ 100 miles each way	$400.00	$420.00	+5.00%
3-2.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way	$600.00	$630.00	+5.00%
3-3.	Heavy Duty/Stakebed Truck (3/4 ton +) - ≤ 100 miles each way	$400.00	$420.00	+5.00%
3-4.	Heavy Duty/Stakebed Truck (3/4 ton +) - > 100 miles each way	$600.00	$630.00	+5.00%
3-5.	Work Trailer - ≤ 100 miles each way	$200.00	$210.00	+5.00%
3-6.	Work Trailer - > 100 miles each way	$300.00	$315.00	+5.00%
3-7.a.	DPT Rig and Support Vehicles Mobilization - ≤ 100 miles each way	$530.25	$556.76	+5.00%
3-9.a.	Drill Rig and Support Vehicles Mobilization (hollow stem auger, mud rotary or sonic) - ≤ 100 miles each way	$636.30	$668.11	+5.00%
3-11.	Excavator Mobilization - ≤ 100 miles each way	$672.00	$705.60	+5.00%
3-15.	Loader/Backhoe Mobilization - ≤ 100 miles each way	$336.00	$352.80	+5.00%
3-17.	Mini Excavator/Loader (Bobcat™) Mobilization - ≤ 100 miles each way	$280.00	$294.00	+5.00%
3-19.	Drum Compactor mobilization - ≤ 100 miles each way	$277.75	$291.63	+5.00%
5-1.a.1.	Split Spoon Sampling – 2 foot (during boring) < 50 feet	$32.00	$33.60	+5.00%
5-1.a.2.	Split Spoon Sampling – 2 foot (during boring) 50 to 100 feet	$40.00	$42.00	+5.00%
5-1.a.3.	Split Spoon Sampling – 2 foot (during boring) > 100 feet	$48.00	$50.40	+5.00%
5-1.b.	Sonic Core Sampling - 5 or 10 foot (during boring)	$115.00	$120.75	+5.00%
5-2.	Hand Auger Boring ≤ 10 foot total depth	$150.00	$157.50	+5.00%

5-6.	HSA or MR Boring, ≤ 6 inch diameter, < 50 foot total depth	$26.00	$27.30	+5.00%
5-7.	HSA or MR Boring, ≤ 6 inch diameter, 50 to 100 foot total depth	$28.00	$29.40	+5.00%
5-9.	HSA or MR Boring, > 6 to 10 inch diameter, < 50 foot total depth	$30.00	$31.50	+5.00%
5-10.	HSA or MR Boring, > 6 to 10 inch diameter, 50 to 100 foot total depth	$35.00	$36.75	+5.00%
5-12.	HSA or MR Boring, > 10 to 14 inch diameter, < 50 foot total depth	$40.00	$42.00	+5.00%
5-13.	HSA or MR Boring, > 10 to 14 inch diameter, 50 to 100 foot total depth	$46.00	$48.30	+5.00%
5-15.	Sonic Boring, ≤ 6 inch diameter, < 50 foot total depth	$32.00	$33.60	+5.00%
5-16.	Sonic Boring, ≤ 6 inch diameter, 50 to 100 foot total depth	$35.00	$36.75	+5.00%
5-17.	Sonic Boring, ≤ 6 inch diameter, > 100 foot total depth	$38.00	$39.90	+5.00%
5-18.	Sonic Boring, > 6 to 10 inch diameter, < 50 foot total depth	$36.00	$37.80	+5.00%
5-19.	Sonic Boring, > 6 to 10 inch diameter, 50 to 100 foot total depth	$44.00	$46.20	+5.00%
5-20.	Sonic Boring, > 6 to 10 inch diameter, > 100 foot total depth	$50.00	$52.50	+5.00%
5-21.	Sonic Boring, > 10 to 14 inch diameter, < 50 foot total depth	$60.00	$63.00	+5.00%
5-22.	Sonic Boring, > 10 to 14 inch diameter, 50 to 100 foot total depth	$65.00	$68.25	+5.00%
5-23.	Sonic Boring, > 10 to 14 inch diameter, > 100 foot total depth	$85.00	$89.25	+5.00%
6-1.	Well Installation - 1 inch diameter	$26.00	$27.30	+5.00%
6-2.a.	Well Installation - 2 inch diameter (vertical)	$28.79	$30.22	+4.97%
6-3.a.	Well Installation - 4 inch diameter (vertical)	$37.22	$39.08	+5.00%
6-5.	Surface Casing - 6 inch diameter	$35.00	$36.75	+5.00%
6-11.	Installation of Well Vault - 2 x 2 x 2 foot	$700.00	$735.00	+5.00%
6-12.	Installation of Well Vault - 4 x 4 x 2 foot	$1,200.00	$1,260.00	+5.00%
6-14.	Removal and Reinstallation of 8-inch Manhole and Well Pad (well pad/manhole has been damaged or destroyed)	$272.70	$286.33	+5.00%
7-6.	Removal of Well Vault - 4 x 4 x 2 foot	$800.00	$840.00	+5.00%
7-7.	Removal of Well Pad and Manhole	$145.95	$153.24	+4.99%
8-1.	Monitoring Well Sampling with Water Level, ≤ 100 foot depth	$190.00	$199.50	+5.00%

8-2.	Monitoring Well Sampling with Water Level, > 100 foot depth	$250.00	$262.50	+5.00%
8-6.	Soil/Sediment Sample Collection	$75.00	$78.75	+5.00%
8-7.	Water Level or Free Product Gauging	$25.00	$26.25	+5.00%
8-8.	Free Product Gauging & Bailing	$75.00	$78.75	+5.00%
8-11.	Electronic Data Deliverables (EDD)	$27.78	$29.16	+4.97%
8-14.	Encore (25 gram) for SPLP Soil Sample Collection: [Per Encore]. The cost will include the 25 gram Encore samples submitted to the laboratory for SPLP testing and the 25 gram Encore samples collected in the field but not submitted to the laboratory for testing (discarded).	$16.67	$17.50	+4.98%
9-1.	Soil, Used Oil/Unknown Product Group-Table D of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (multiple methods)	$374.00	$392.70	+5.00%
9-2.	Soil, BTEX + MTBE (EPA 8021 or EPA 8260)	$40.00	$42.00	+5.00%
9-3.	Soil, Volatile Organic Halocarbons (EPA 8021 or EPA 8260)	$59.40	$62.37	+5.00%
9-4.	Soil, BTEX + MTBE + VOHs (EPA 8021 or EPA 8260)	$69.30	$72.76	+4.99%
9-5.	Soil, Polycyclic Aromatic Hydrocarbons (EPA 8270 or EPA 8310)	$75.00	$78.75	+5.00%
9-6.	Soil, Priority Pollutant Volatile Organics (EPA 8260)	$71.50	$75.07	+4.99%
9-7.	Soil, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270])	$246.75	$259.08	+5.00%
9-8.	Soil, Total Recoverable Petroleum Hydrocarbons (FL-PRO)	$45.00	$47.25	+5.00%
9-8.a.	Soil, TRPH Fractionation (MADEP-EPH/VPH Method or TPHCWG Direct Method)	$222.00	$233.10	+5.00%
9-9.	Soil, PCBs [or Aroclors] (EPA 8082)	$42.00	$44.10	+5.00%
9-11.	Soil, Arsenic (EPA 6010 or EPA 6020)	$12.00	$12.60	+5.00%
9-12.	Soil, Cadmium (EPA 6010 or EPA 6020)	$12.00	$12.60	+5.00%
9-13.	Soil, Chromium (EPA 6010 or EPA 6020)	$12.00	$12.60	+5.00%
9-14.	Soil, Lead (EPA 6010 or EPA 6020)	$12.00	$12.60	+5.00%
9-15.	Soil, Toxicity Characteristic Leaching Procedure-Extraction Only (EPA 1311)	$26.25	$27.56	+4.99%

9-26.	Water, Used Oil/Unknown Product Group-Table D of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (multiple methods)	$316.80	$332.64	+5.00%
9-27.	Water, BTEX + MTBE (EPA 602, EPA 624, EPA 8021 or EPA 8260)	$37.00	$38.85	+5.00%
9-28.	Water, Volatile Organic Halocarbons, except EDB (EPA 8021 or EPA 8260)	$57.20	$60.06	+5.00%
9-29.	Water, BTEX + MTBE + VOHs (EPA 601/602, EPA 624, EPA 6021 or EPA 8260)	$60.50	$63.52	+4.99%
9-30.	Water, Polycyclic Aromatic Hydrocarbons, including 1-methylnaphthalene + 2-methylnaphthalene (EPA 610 [HPLC], EPA 625, EPA 8270 or EPA 8310)	$80.00	$84.00	+5.00%
9-31.	Water, EDB [1,2-dibromoethane or ethylene dibromide] (EPA 504.1 or EPA 8011)	$40.70	$42.73	+4.99%
9-31.a.	Water, EDB [1,2-dibromoethane or ethylene dibromide] (EPA 8260 SIM)	$44.44	$46.66	+5.00%
9-34.	Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables [for NPDES purposes only] (EPA 625 list [e.g., EPA 608 + EPA 625])	$270.00	$283.50	+5.00%
9-35.	Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270 or EPA 608 + EPA 8270)	$280.00	$294.00	+5.00%
9-36.	Water, Total Recoverable Petroleum Hydrocarbons (FL-PRO)	$48.00	$50.40	+5.00%
9-38.	Water, Arsenic, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	$11.00	$11.55	+5.00%
9-39.	Water, Cadmium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	$11.00	$11.55	+5.00%
9-40.	Water, Chromium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	$11.00	$11.55	+5.00%
10-1.a.	Sheet Piling Installation for ≤ 20 feet deep Excavation	$27.20	$28.56	+5.00%
10-1.b.	Sheet Piling Rental for ≤ 20 feet deep Excavation	$1.40	$1.47	+5.00%
10-1.c.	Sheet Piling Rental for ≤ 20 feet deep Excavation	$1.40	$1.47	+5.00%
10-1.d.	Sheet Piling Rental for ≤ 20 feet deep Excavation	$5.60	$5.88	+5.00%
10-7.	Conventional Soil Excavation and Loading ≤ 300 cubic yards	$40.16	$42.16	+4.98%

10-11.a.	LDA Excavation and Loading With Surface Casing ≤ 300 cubic yards	$153.53	$161.20	+5.00%
10-11.b.	LDA Excavation and Loading With Driven Casing < 300 cubic yards	$285.32	$299.58	+5.00%
10-12.a.	LDA Excavation and Loading With Surface Casing > 300 cubic yards	$148.13	$155.53	+5.00%
10-12.b.	LDA Excavation and Loading With Driven Casing > 300 cubic yards	$231.32	$242.88	+5.00%
10-13.	Flowable Fill Concrete and Installation	$113.93	$119.62	+4.99%
10-14.	Clean Backfill Material, Compaction and Testing (includes transport) ≤ 300 cubic yards	$36.56	$38.38	+4.98%
10-15.	Clean Backfill Material, Compaction and Testing (includes transport) > 300 cubic yards	$32.96	$34.60	+4.98%
10-15.a.	Clean Overburden Used As Backfill, Compaction and Testing ≤ 300 cubic yards	$22.22	$23.33	+5.00%
10-15.b.	Clean Overburden Used As Backfill, Compaction and Testing > 300 cubic yards	$20.00	$21.00	+5.00%
10-17.	#57 Stone	$46.99	$49.33	+4.98%
12-1.	Removal and Loading of Asphalt and/or Concrete - up to 4 inch thickness	$3.31	$3.47	+4.83%
12-2.	Additional Removal/Loading Cost for Concrete - > 4 inch thickness	$2.75	$2.88	+4.73%
12-4.	Transport and Disposal of Clean Concrete	$39.20	$41.16	+5.00%
12-5.	Transport and Disposal of Mixed Debris	$50.40	$52.92	+5.00%
12-6.	Transport and Disposal of Petroleum Impacted Soil (includes drum)	$168.00	$176.40	+5.00%
12-8.	Transport Petroleum Impacted Soil (bulk) > 100 miles	$39.20	$41.16	+5.00%
12-9.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) ≤ 450 tons	$28.00	$29.40	+5.00%
12-10.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) > 450 tons	$28.00	$29.40	+5.00%
12-13.	Transport and Disposal of Petroleum Contact Water (includes drum)	$195.00	$204.75	+5.00%
12-15.	Transport and Disposal of Petroleum Product (includes drum)	$150.00	$157.50	+5.00%
12-17.	Delivery, Pick Up and Rental of 20 Cubic Yard Roll-Off Container	$899.91	$944.90	+5.00%
12-18.	Additional Rental of 20 Cubic Yard Roll-Off Container	$166.65	$174.98	+5.00%
13-1.	Asphalt Paving - 2 inch thickness (includes sub-base)	$5.36	$5.62	+4.85%

13-3.	Concrete Paving - 4 inch thickness (includes sub-base)	$7.60	$7.98	+5.00%
13-4.	Concrete Paving - additional 1 inch thickness	$2.00	$2.10	+5.00%
13-6.	Grass - Sod	$0.90	$0.94	+4.44%
13-7.	Grass - Seed and Mulch	$0.42	$0.44	+4.76%
14-1.	Direct Push Boring with In-Situ Injection	$26.56	$27.88	+4.97%
15-1.a.	Trenching and Installation of 1-10 Plumbing (and Electrical) Lines in Trench	$65.04	$68.29	+5.00%
15-1.b.	Trenching and Installation of 11 - 20 Lines	$75.04	$78.79	+5.00%
15-1.c.	Trenching and Installation of 21 - 30 Lines	$85.04	$89.29	+5.00%
15-1.d.	Trenching and Installation of Additional 1-10 Lines Greater Than 30 Lines	$20.15	$21.15	+4.96%
15-2.a.	Installation of Plumbing (and Electrical) Lines Above Ground: Per Linear Foot of Piping. Electrical lines are not counted in determination of costs.	$20.20	$21.21	+5.00%
16-13.	Air Sparging/Multiphase Extraction Pilot Test - 8 hours	$5,500.00	$5,775.00	+5.00%
16-14.	Air Sparging/Multiphase Extraction Pilot Test - Additional Time	$800.00	$840.00	+5.00%
16-17.	Groundwater Treatment System Package - Medium	$4,219.00	$3,200.00	-24.15%
16-18.	Groundwater Treatment System Package - Medium	$12,088.00	$9,800.00	-18.93%
16-20.	Air Sparge System Package - Medium	$8,877.00	$8,000.00	-9.88%
16-21.	AS/SVE System Package - Medium	$3,558.00	$3,400.00	-4.44%
16-22.	AS/SVE System Package - Medium	$10,765.00	$9,500.00	-11.75%
16-24.	MPE System Package - Medium	$10,338.00	$9,500.00	-8.11%
16-25.	AS/MPE System Package - Medium	$2,666.40	$2,799.72	+5.00%
16-26.	AS/MPE System Package - Medium	$5,332.80	$5,599.44	+5.00%
16-27.	SVE System Package - Medium	$1,555.40	$1,633.17	+5.00%
16-28.	SVE System Package - Medium	$3,110.80	$3,266.34	+5.00%
18-5.	Groundwater Treatment System - Stand Alone Small - Short Term ≤ 6 mos.	$6,430.00	$5,000.00	-22.24%
18-6.	Groundwater Treatment System - Stand Alone Small - Long Term > 6 mos.	$4,092.00	$3,700.00	-9.58%
18-7.	Groundwater Treatment System - Stand Alone Medium - Short Term ≤ 6 mos.	$9,797.00	$9,000.00	-8.14%
18-8.	Groundwater Treatment System - Stand Alone Medium - Long Term > 6 mos.	$6,234.00	$6,000.00	-3.75%
18-9.	Groundwater Treatment System - Stand Alone Large - Short Term ≤ 6 mos.	$13,959.00	$12,000.00	-14.03%

18-10.	Groundwater Treatment System - Stand Alone Large - Long Term > 6 mos.	$8,883.00	$8,000.00	-9.94%
18-21.	AS/SVE System - Large - Short Term ≤ 6 mos.	$8,500.00	$8,925.00	+5.00%
18-25.	MPE System - Medium - Short Term ≤ 6 mos.	$6,327.00	$5,800.00	-8.33%
18-26.	MPE System - Medium - Long Term > 6 mos.	$4,026.00	$4,000.00	-0.65%
18-27.	MPE System - Large - Short Term ≤ 6 mos.	$8,256.00	$7,500.00	-9.16%
18-28.	MPE System - Large - Long Term > 6 mos.	$5,254.00	$5,000.00	-4.83%
18-29.	Groundwater Treatment - Add On - Small - Short Term ≤ 6 mos.	$6,430.00	$3,500.00	-45.57%
18-30.	Groundwater Treatment - Add On - Medium - Short Term ≤ 6 mos.	$3,980.00	$2,000.00	-49.75%
18-31.	Groundwater Treatment - Add On - Large - Short Term ≤ 6 mos.	$9,351.00	$2,000.00	-78.61%
18-32.	Groundwater Treatment - Add On - Small - Long Term > 6 mos.	$5,950.00	$1,000.00	-83.19%
18-33.	Groundwater Treatment - Add On - Medium - Long Term > 6 mos.	$8,479.00	$1,500.00	-82.31%
18-34.	Groundwater Treatment - Add On - Large - Long Term > 6 mos.	$7,700.00	$1,600.00	-79.22%
18-36.	Carbon Off Gas Treatment - Add On - Medium - Short Term ≤ 6 mos.	$402.00	$422.10	+5.00%
18-37.	Carbon Off Gas Treatment - Add On - Large - Short Term ≤ 6 mos.	$1,007.00	$1,057.35	+5.00%
18-40.	Carbon Off Gas Treatment - Add On - Large - Long Term > 6 mos.	$440.00	$462.00	+5.00%
18-41.	Thermox/Catox Off Gas Treatment - Add On - Small - Short Term ≤ 6 mos.	$3,675.00	$2,900.00	-21.09%
18-42.	Thermox/Catox Off Gas Treatment - Add On - Medium - Short Term ≤ 6 mos.	$4,725.00	$3,500.00	-25.93%
18-43.	Thermox/Catox Off Gas Treatment - Add On - Large - Short Term ≤ 6 mos.	$6,825.00	$5,000.00	-26.74%
18-44.	Thermox/Catox Off Gas Treatment - Add On - Small - Long Term > 6 mos.	$3,150.00	$2,900.00	-7.94%
18-45.	Thermox/Catox Off Gas Treatment - Add On - Medium - Long Term > 6 mos.	$4,200.00	$3,200.00	-23.81%
18-46.	Thermox/Catox Off Gas Treatment - Add On - Large - Long Term > 6 mos.	$6,300.00	$4,500.00	-28.57%
18-53.	Air Sparge/Multiphase Extraction (AS/MPE) System - Small - Short Term ≤ 6 Months	$8,000.00	$7,500.00	-6.25%
18-54.	Air Sparge/Multiphase Extraction (AS/MPE) System - Small - Long Term > 6 Months	$7,000.00	$6,500.00	-7.14%

18-55.	Air Sparge/Multiphase Extraction (AS/MPE) System - Medium - Short Term ≤ 6 Months	$10,365.63	$9,000.00	-13.17%
18-56.	Air Sparge/Multiphase Extraction (AS/MPE) System - Medium - Long Term > 6 Months	$9,500.00	$7,500.00	-21.05%
18-57.	Air Sparge/Multiphase Extraction (AS/MPE) System - Large - Short Term ≤ 6 Months	$11,254.43	$11,000.00	-2.26%
18-58.	Air Sparge/Multiphase Extraction (AS/MPE) System - Large - Long Term > 6 Months	$11,254.43	$9,500.00	-15.59%
19-1.	Soil Source Removal Report	$1,800.00	$1,890.00	+5.00%
19-3.	General Site Assessment Report	$3,600.00	$3,780.00	+5.00%
19-4.	Supplemental Site Assessment Report	$1,600.00	$1,680.00	+5.00%
19-15.	Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan	$5,250.00	$5,512.50	+5.00%
19-16.	Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan	$8,500.00	$8,925.00	+5.00%
19-26.	Well Abandonment/Site Restoration Report	$273.00	$286.65	+5.00%
19-27.	Interim Assessment Report	$505.00	$530.25	+5.00%
21-5.	P.E. Project Oversight for Remediation Technology Pilot Testing	$1,264.00	$800.00	-36.71%
21-6.a.	P.E. Project Oversight for Remediation System Integration and Startup - Small System	$2,370.00	$1,800.00	-24.05%
21-6.b.	P.E. Project Oversight for Remediation System Integration and Startup - Medium System	$2,844.00	$2,000.00	-29.68%
21-6.c.	P.E. Project Oversight for Remediation System Integration and Startup - Large System	$3,634.00	$2,500.00	-31.21%
21-6.d.	P.E. Project Oversight for Remediation System Integration and Startup - Extra Large System	$4,424.00	$2,700.00	-38.97%
21-11.	P.E. Design and Certification of Plans and Project Oversight of Installation for Engineering Controls (other than permanent, impermeable surface or top two feet of clean fill) required for a conditional NFA	$3,792.00	$3,000.00	-20.89%
21-12.	P.G. Review, Evaluation and Certification of Plans and Project Oversight for Installation of Engineering Controls Limited to Permanent, Impermeable Surface or Top Two Feet of Clean Fill Required for a Conditional NFA	$1,896.00	$1,500.00	-20.89%
21-23.	P.E. Review, Evaluation and Certification of a Level 1 Remedial Action Plan	$4,582.00	$3,500.00	-23.61%

21-24.	P.E. Review, Evaluation and Certification of a Level 2 Remedial Action Plan	$6,004.00	$4,500.00	-25.05%
21-28.	P.E. Review, Evaluation and Certification of a Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan	$3,002.00	$2,500.00	-16.72%
21-32.	P.E. Review, Evaluation and Certification of an Annual Operation and Maintenance Report	$1,896.00	$1,200.00	-36.71%

Notes:

(1) The Agreed New Rate(s) shall be effective on and after the Rate Change Date as indicated for table labeled Department Data Processing Information below.

(2) The column indicating estimated Percentage Rate Change is for informational purposes only and shall not supersede the actual Agreed New Rate. The Agreed New Rate is the maximum rate authorized for payment.

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IN WITNESS WHEREOF, the parties have caused this Amendment to be duly executed, the day and year last written below.

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Signature of Authorized Representative	John J. Truitt Digitally signed by John J. Truitt Date: 2018.05.21 11:19:11 -04'00' *Signature of Authorized Representative*
Printed Name: Eric Blomberg	Printed Name: (see signature block)
Title: Branch Manager	Title: Deputy Secretary
Date: 5-2-18	Date: (see signature block)

FEID No.: 911641772

List of attachments/exhibits included as part of this Amendment:

Type	Letter/Number	Description
Attachment	D (V2.1)	Rate Schedule (27 pages)

Department Data Processing Information:

The Table 1 rate changes have been entered in the Department's processing system with an effective Rate Change Date of:	5/22/2018
Corresponding Rate Schedule, Attachment D Version No.	V2.1

Russell Rhodes	Russell Rhodes	5/22/2018
Signature of Processor	*Printed Name of Processor*	*Data Entry Date*

Attachment D (V2.1) - Rate Schedule

Region: North
Contractor: WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
1.	**OFFICE ACTIVITIES**				
1-1.	File Review	Per Review	$ 550.00	$ 550.00	$ 550.00
1-2.	Site Health & Safety Plan	Per Site	$ 300.00	$ 300.00	$ 300.00
1-2.a.	Site Health & Safety Plan for Continued Work at no cost to FDEP	Per Site	Not Applicable	$ -	$ -
1-3.	Notice of Discovery of Contamination Package (Initial or TPOC)	Per Package	$ 300.00	$ 300.00	$ 300.00
1-4.	Permit Fees - actual fee only, cost to obtain permit is included in applicable pay items	Reimbursable*	$ 1.00	$ 1.00	$ 1.00
1-5.	Off-Site Property Access Agreement	Per Agreement	$ 300.00	$ 300.00	$ 315.00
1-5.a.	Site Property Access Agreement for Source Property at no cost to FDEP	Per Agreement	Not Applicable	$ -	$ -
1-6.	Project Specific Financial Guarantee Bond (if required by DEP)	Reimbursable*	$ 1.00	$ 1.00	$ 1.00
1-7.	6% Handling Fee for Cost Reimbursable Items	% Surcharge	Not Applicable	$ 0.06	$ 0.06
2.	**FIELD ACTIVITIES - GENERAL**				
2-1.	Site Reconnaissance/Field Measurement Visit	Per Visit	$ 400.00	$ 400.00	$ 420.00
2-2.	Receptor Survey and Exposure Pathway Identification (Excludes report)	Per Survey	$ 500.00	$ 500.00	$ 525.00
2-3.	Professional Land Survey (If FDEP authorizes, submit quote(s) with Change Order)	Reimbursable*	$ 1.00	$ 1.00	$ 1.00
2-4.	Contractor Oversight for Non-Price Schedule Activities	Per Day	$ 750.00	$ 750.00	$ 787.50
3.	**MOBILIZATION**				
3-1.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - ≤ 100 miles each way	Per Round Trip	$ 400.00	$ 400.00	$ 420.00
3-2.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way	Per Round Trip	$ 600.00	$ 600.00	$ 630.00
3-3.	Heavy Duty/Stakebed Truck (3/4 ton +) - ≤ 100 miles each way	Per Round Trip	$ 400.00	$ 400.00	$ 420.00
3-4.	Heavy Duty/Stakebed Truck (3/4 ton +) - > 100 miles each way	Per Round Trip	$ 600.00	$ 600.00	$ 630.00
3-5.	Work Trailer - ≤ 100 miles each way	Per Round Trip	$ 200.00	$ 200.00	$ 210.00
3-6.	Work Trailer - > 100 miles each way	Per Round Trip	$ 300.00	$ 300.00	$ 315.00

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PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
3-7.	DPT Rig Mobilization - ≤ 100 miles each way	Per Round Trip	$ 550.00	Not Applicable	Not Applicable
3-7.a.	DPT Rig and Support Vehicles Mobilization - ≤ 100 miles each way	Per Round Trip	Not Applicable	$ 530.25	$ 556.76
3-8.	DPT Rig Mobilization - > 100 miles each way	Per Round Trip	$ 952.00	Not Applicable	Not Applicable
3-8.a.	DPT Rig and Support Vehicles Mobilization - > 100 miles each way	Per Round Trip	Not Applicable	$ 795.38	$ 795.38
3-9.	Drill Rig Mobilization - ≤ 100 miles each way	Per Round Trip	$ 560.00	Not Applicable	Not Applicable
3-9.a.	Drill Rig and Support Vehicles Mobilization (hollow stem auger, mud rotary or sonic) - ≤ 100 miles each way	Per Round Trip	Not Applicable	$ 636.30	$ 668.11
3-10.	Drill Rig Mobilization - > 100 miles each way	Per Round Trip	$ 1,008.00	Not Applicable	Not Applicable
3-10.a.	Drill Rig and Support Vehicles Mobilization (hollow stem auger, mud rotary or sonic) - > 100 miles each way	Per Round Trip	Not Applicable	$ 901.43	$ 901.43
3-11.	Excavator Mobilization - ≤ 100 miles each way	Per Round Trip	$ 672.00	$ 672.00	$ 705.60
3-12.	Excavator Mobilization - > 100 miles each way	Per Round Trip	$ 1,120.00	$ 1,120.00	$ 1,120.00
3-13.	LDA Rig Mobilization - ≤ 100 miles each way	Per Round Trip	$ 8,400.00	Not Applicable	Not Applicable
3-13.a.	LDA Rig and Support Vehicles Mobilization - ≤ 100 miles each way	Per Round Trip	Not Applicable	$ 8,332.50	$ 8,332.50
3-14.	LDA Rig Mobilization - > 100 miles each way	Per Round Trip	$ 11,200.00	Not Applicable	Not Applicable
3-14.a.	LDA Rig and Support Vehicles Mobilization - > 100 miles each way	Per Round Trip	Not Applicable	$ 11,110.00	$ 11,110.00
3-15.	Loader/Backhoe Mobilization - ≤ 100 miles each way	Per Round Trip	$ 336.00	$ 336.00	$ 352.80
3-16.	Loader/Backhoe Mobilization - > 100 miles each way	Per Round Trip	$ 560.00	$ 560.00	$ 560.00
3-17.	Mini Excavator/Loader (Bobcat™) Mobilization - ≤ 100 miles each way	Per Round Trip	$ 280.00	$ 280.00	$ 294.00
3-18.	Mini Excavator/Loader (Bobcat™) Mobilization - > 100 miles each way	Per Round Trip	$ 392.00	$ 392.00	$ 392.00
3-19.	Drum Compactor mobilization - ≤ 100 miles each way	Per Round Trip	Not Applicable	$ 277.75	$ 291.63
3-20.	Drum Compactor mobilization - > 100 miles each way	Per Round Trip	Not Applicable	$ 555.50	$ 555.50

Attachment D (V2.1) - Rate Schedule

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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
4.	**MEALS AND LODGING**				
4-1.a.	Per Diem - For Travel > 1 Consecutive day (prorated in quarter day increments)-Current State Rate 112.061, F.S. Travel Voucher required and quoted rate should be per person per day.	Per Person, Per Day	$ 80.00	$ 80.00	$ 80.00
4-1.b.	Meals, Lodging and Transportation - For Contractor travel for specific meetings or legal proceedings required by Department, hotel and meals may be paid in accordance with Section 112.061, F.S.	Reimbursable*	$ 1.00	$ 1.00	$ 1.00
5.	**DRILLING AND BORING**				
5-1.a.	Split Spoon Sampling - 2 foot (during boring)	Per Spoon	$ 43.32	Not Applicable	Not Applicable
5-1.a.1.	Split Spoon Sampling – 2 foot (during boring) < 50 feet	Per Spoon	Not Applicable	$ 32.00	$ 33.60
5-1.a.2.	Split Spoon Sampling – 2 foot (during boring) 50 to 100 feet	Per Spoon	Not Applicable	$ 40.00	$ 42.00
5-1.a.3.	Split Spoon Sampling – 2 foot (during boring) > 100 feet	Per Spoon	Not Applicable	$ 48.00	$ 50.40
5-1.b.	Sonic Core Sampling - 5 or 10 foot (during boring)	Per Core	$ 115.00	$ 115.00	$ 120.75
5-1.c.	DPT Core Sampling - 4 or 5 foot (during boring)	Per Core	$ 28.76	Not Applicable	Not Applicable
5-2.	Hand Auger Boring ≤ 10 foot total depth	Per Boring	$ 150.00	$ 150.00	$ 157.50
5-3.	Direct Push Boring	Per Foot	$ 23.00	Not Applicable	Not Applicable
5-3.a.	Direct Push Technology (DPT) Rig and Equipment	Full Day	Not Applicable	$ 3,052.73	$ 3,052.73
5-4.	Direct Push Boring with Cone Penetrometer Test Probe (CPT)	Per Foot	$ 35.48	Not Applicable	Not Applicable
5-5.	Direct Push Boring with Membrane Interface Probe (MIP)	Per Foot	$ 35.00	Not Applicable	Not Applicable
5-5.a.	DPT Membrane Interface Probe (MIP) Equipped with PID and ECD (Add-on Cost to DPT Base Rate)	Full Day	Not Applicable	$ 2,500.00	$ 2,500.00
5-6.	HSA or MR Boring, ≤ 6 inch diameter, < 50 foot total depth	Per Foot	$ 26.00	$ 26.00	$ 27.30

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Region: North
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PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
5-7.	HSA or MR Boring, ≤ 6 inch diameter, 50 to 100 foot total depth	Per Foot	$ 28.00	$ 28.00	$ 29.40
5-8.	HSA or MR Boring, ≤ 6 inch diameter, > 100 foot total depth	Per Foot	$ 34.00	$ 34.00	$ 34.00
5-9.	HSA or MR Boring, > 6 to 10 inch diameter, < 50 foot total depth	Per Foot	$ 30.00	$ 30.00	$ 31.50
5-10.	HSA or MR Boring, > 6 to 10 inch diameter, 50 to 100 foot total depth	Per Foot	$ 35.00	$ 35.00	$ 36.75
5-11.	HSA or MR Boring, > 6 to 10 inch diameter, > 100 foot total depth	Per Foot	$ 38.00	$ 38.00	$ 38.00
5-12.	HSA or MR Boring, > 10 to 14 inch diameter, < 50 foot total depth	Per Foot	$ 40.00	$ 40.00	$ 42.00
5-13.	HSA or MR Boring, > 10 to 14 inch diameter, 50 to 100 foot total depth	Per Foot	$ 46.00	$ 46.00	$ 48.30
5-14.	HSA or MR Boring, > 10 to 14 inch diameter, > 100 foot total depth	Per Foot	$ 48.00	$ 48.00	$ 48.00
5-15.	Sonic Boring, ≤ 6 inch diameter, < 50 foot total depth	Per Foot	$ 32.00	$ 32.00	$ 33.60
5-16.	Sonic Boring, ≤ 6 inch diameter, 50 to 100 foot total depth	Per Foot	$ 35.00	$ 35.00	$ 36.75
5-17.	Sonic Boring, ≤ 6 inch diameter, > 100 foot total depth	Per Foot	$ 38.00	$ 38.00	$ 39.90
5-18.	Sonic Boring, > 6 to 10 inch diameter, < 50 foot total depth	Per Foot	$ 36.00	$ 36.00	$ 37.80
5-19.	Sonic Boring, > 6 to 10 inch diameter, 50 to 100 foot total depth	Per Foot	$ 44.00	$ 44.00	$ 46.20
5-20.	Sonic Boring, > 6 to 10 inch diameter, > 100 foot total depth	Per Foot	$ 50.00	$ 50.00	$ 52.50
5-21.	Sonic Boring, > 10 to 14 inch diameter, < 50 foot total depth	Per Foot	$ 60.00	$ 60.00	$ 63.00
5-22.	Sonic Boring, > 10 to 14 inch diameter, 50 to 100 foot total depth	Per Foot	$ 65.00	$ 65.00	$ 68.25
5-23.	Sonic Boring, > 10 to 14 inch diameter, > 100 foot total depth	Per Foot	$ 85.00	$ 85.00	$ 89.25
6.	**WELL INSTALLATION**				
6-1.	Well Installation - 1 inch diameter	Per Foot	$ 26.00	$ 26.00	$ 27.30
6-2.	Well Installation - 2 inch diameter	Per Foot	$ 40.38	Not Applicable	Not Applicable
6-2.a.	Well Installation - 2 inch diameter (Vertical)	Per Foot	Not Applicable	$ 28.79	$ 30.22
6-2.b.	Well Installation - 2 inch diameter (Horizontal, by trenching, not directional drilling)	Per Foot	Not Applicable	$ 147.21	$ 147.21

Attachment D (V2.1) - Rate Schedule

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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
6-3.	Well Installation - 4 inch diameter	Per Foot	$ 42.63	Not Applicable	Not Applicable
6-3.a.	Well Installation - 4 inch diameter (Vertical)	Per Foot	Not Applicable	$ 37.22	$ 39.08
6-3.b.	Well Installation - 4 inch diameter (Horizontal, by trenching, not directional drilling)	Per Foot	Not Applicable	$ 147.21	$ 147.21
6-4.	Well Installation - 6 inch diameter	Per Foot	$ 49.00	$ 49.00	$ 49.00
6-5.	Surface Casing - 6 inch diameter	Per Foot	$ 35.00	$ 35.00	$ 36.75
6-6.	Surface Casing - 8 inch diameter	Per Foot	$ 45.00	$ 45.00	$ 45.00
6-7.	Surface Casing - 10 inch diameter	Per Foot	$ 55.00	$ 55.00	$ 55.00
6-8.	Surface Casing - 12 inch diameter	Per Foot	$ 65.00	$ 65.00	$ 65.00
6-9.a.	Additional Well Screen > 20 feet - 1 inch diameter	Per Foot	$ 3.36	$ 3.36	$ 3.36
6-9.b.	Additional Well Screen > 20 feet - 2 inch diameter	Per Foot	$ 4.48	$ 4.48	$ 4.48
6-9.c.	Additional Well Screen > 20 feet - 4 inch diameter	Per Foot	$ 5.60	$ 5.60	$ 5.60
6-9.d.	Additional Well Screen > 20 feet - 6 inch diameter	Per Foot	$ 6.72	$ 6.72	$ 6.72
6-10.	Above Grade Well Completion	Per Well	$ 400.00	$ 400.00	$ 400.00
6-11.	Installation of Well Vault - 2 x 2 x 2 foot	Per Vault	$ 700.00	$ 700.00	$ 735.00
6-12.	Installation of Well Vault - 4 x 4 x 2 foot	Per Vault	$ 1,200.00	$ 1,200.00	$ 1,260.00
6-13.	Well Redevelopment	Per Well	Not Applicable	$ 189.38	$ 189.38
6-14.	Removal and Reinstallation of 8-inch Manhole and well pad when a well pad/manhole has been damaged or destroyed	Per Well	Not Applicable	$ 272.70	$ 286.33
6-15.	Removal and Reinstallation of 12-inch Manhole and well pad when a well pad/manhole has been damaged or destroyed	Per Well	Not Applicable	$ 300.48	$ 300.48

Attachment D (V2.1) - Rate Schedule

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PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
7.	**WELL ABANDONMENT**				
7-1.	Grout and Abandon Well, 1 to 2 inch diameter	Per Foot	$ 18.50	$ 18.50	$ 18.50
7-2.	Grout and Abandon Well, > 2 to 4 inch diameter	Per Foot	$ 23.22	$ 23.22	$ 23.22
7-3.	Grout and Abandon Well, > 4 to 6 inch diameter	Per Foot	$ 25.00	$ 25.00	$ 25.00
7-4.	Grout and Abandon Well, > 6 inch diameter	Per Foot	$ 30.00	$ 30.00	$ 30.00
7-5.	Removal of Well Vault - 2 x 2 x 2 foot	Per Vault	$ 494.00	$ 494.00	$ 494.00
7-6.	Removal of Well Vault - 4 x 4 x 2 foot	Per Vault	$ 800.00	$ 800.00	$ 840.00
7-7	Removal of Well Pad and Manhole	Per Well	Not Applicable	$ 145.95	$ 153.24
8.	**SAMPLE COLLECTION AND FIELD TESTING**				
8-1.	Monitoring Well Sampling with Water Level, ≤ 100 foot depth	Per Well	$ 190.00	$ 190.00	$ 199.50
8-2.	Monitoring Well Sampling with Water Level, > 100 foot depth	Per Well	$ 250.00	$ 250.00	$ 262.50
8-3.	Domestic Water Well Sampling	Per Well	$ 90.00	$ 90.00	$ 90.00
8-4.	Other Water Sampling	Per Sample	$ 90.00	$ 90.00	$ 90.00
8-5.	Free Product Sample Collection	Per Sample	$ 85.00	$ 85.00	$ 85.00
8-6.	Soil/Sediment Sample Collection	Per Sample	$ 75.00	$ 75.00	$ 78.75
8-7.	Water Level or Free Product Gauging	Per Well	$ 25.00	$ 25.00	$ 26.25
8-8.	Free Product Gauging & Bailing	Per Well	$ 75.00	$ 75.00	$ 78.75
8-9.	Vapor/Ambient Air Sample Collection - Passive Dosimeter, Sorbent Tube, Tedlar™ Bag (or Equivalent)	Per Sample	$ 48.00	$ 48.00	$ 48.00
8-10.	Vapor/Ambient Air Sample Collection - SUMMA™ Canister (or Equivalent)	Per Sample	$ 97.00	$ 97.00	$ 97.00
8-11.	Electronic Data Deliverables (EDD)	Per Sampling Event	Not Applicable	$ 27.78	$ 29.16
8-12.	Survey Latitude/Longitude of Existing Monitor Wells	Per Well	Not Applicable	$ 25.25	$ 25.25

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8-13.	Survey Latitude/Longitude of New Monitor Wells	Per Well	Not Applicable	$ 25.25	$ 25.25
8-14	Encore (25 gram) for SPLP Soil Sample Collection: [Per Encore]. The cost will include the 25 gram Encore samples submitted to the laboratory for SPLP testing and the 25 gram Encore samples collected in the field but not submitted to the laboratory for testing (discarded).	Per Sample	Not Applicable	$ 16.67	$ 17.50
9.	**LABORATORY ANALYSIS**				
9.A.	**SOIL/SEDIMENT ANALYSIS**				
9-1.	Soil, Used Oil/Unknown Product Group-Table D of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (Multiple Methods)	Per Sample	$ 374.00	$ 374.00	$ 392.70
9-2.	Soil, BTEX + MTBE (EPA 8021 or EPA 8260)	Per Sample	$ 40.00	$ 40.00	$ 42.00
9-3.	Soil, Volatile Organic Halocarbons (EPA 8021 or EPA 8260)	Per Sample	$ 59.40	$ 59.40	$ 62.37
9-4.	Soil, BTEX + MTBE + VOHs (EPA 8021 or EPA 8260)	Per Sample	$ 69.30	$ 69.30	$ 72.76
9-5.	Soil, Polycyclic Aromatic Hydrocarbons (EPA 8270 or EPA 8310)	Per Sample	$ 75.00	$ 75.00	$ 78.75
9-6.	Soil, Priority Pollutant Volatile Organics (EPA 8260)	Per Sample	$ 71.50	$ 71.50	$ 75.07
9-7.	Soil, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270])	Per Sample	$ 246.75	$ 246.75	$ 259.08
9-8.	Soil, Total Recoverable Petroleum Hydrocarbons (FL-PRO)	Per Sample	$ 45.00	$ 45.00	$ 47.25
9-8.a.	Soil, TRPH Fractionation (MADEP-EPH/VPH Method or TPHCWG Direct Method)	Per Sample	Not Applicable	$ 222.00	$ 233.10
9-9.	Soil, PCBs [or Aroclors] (EPA 8082)	Per Sample	$ 42.00	$ 42.00	$ 44.10
9-10.	Soil, 8 RCRA Metals (EPA 6010 or EPA 6020 [Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver] and EPA 6020 or EPA 7471 [Mercury])	Per Sample	$ 104.50	$ 104.50	$ 104.50
9-11.	Soil, Arsenic (EPA 6010 or EPA 6020)	Per Sample	$ 12.00	$ 12.00	$ 12.60

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9-12.	Soil, Cadmium (EPA 6010 or EPA 6020)	Per Sample	$ 12.00	$ 12.00	$ 12.60
9-13.	Soil, Chromium (EPA 6010 or EPA 6020)	Per Sample	$ 12.00	$ 12.00	$ 12.60
9-14.	Soil, Lead (EPA 6010 or EPA 6020)	Per Sample	$ 12.00	$ 12.00	$ 12.60
9-15.	Soil, Toxicity Characteristic Leaching Procedure-Extraction Only (EPA 1311)	Per Sample	$ 26.25	$ 26.25	$ 27.56
9-16.	Soil, Synthetic Precipitation Leaching Procedure-Extraction Only (EPA1312)	Per Sample	$ 71.50	$ 71.50	$ 71.50
9-17.	Soil, Organic Carbon, Total (EPA 9060 or Walkey-Black)	Per Sample	$ 42.00	$ 42.00	$ 42.00
9-18.	Soil, Dry Bulk Density (ASTM D1556-07, ASTM D2167-08, ASTM D2922-01, -04, -04e, -96e1 or ASTM D2937-10)	Per Sample	$ 26.25	$ 26.25	$ 26.25
9-19.	Soil, Moisture Content (ASTM D2216-10)	Per Sample	$ 5.25	$ 5.25	$ 5.25
9-20.	Soil, Texture, (See Gee 7 Bauder [1966])	Per Sample	$ 68.25	$ 68.25	$ 68.25
9-21.	Soil, GC/MS Full Scan, Alkanes, Isoalkanes, Cycloalkanes, Aromatics, Bicyclane, Sterane, and Terpane Biomarkers (ASTM D5739 High Resolution GC/MS)	Per Sample	$ 165.00	$ 165.00	$ 165.00
9-22.	Soil, Gasoline Hydrocarbon Composition, Gasoline PIANO (paraffins, isoparaffins, aromatics, naphthenes and olefins) (EPA 8260Mod, High Resolution GC/MS)	Per Sample	$ 165.00	$ 165.00	$ 165.00
9-23.	Soil, 5 Fuel Oxygenates, MTBE, DIPE, TAME, ETBE and TBA (EPA 8260Mod, High Resolution GC/MS)	Per Sample	$ 55.00	$ 55.00	$ 55.00
9-24.	Soil, C10-C40 Alkane Fingerprint, N-Alkanes and Isoalkanes (ASTM D3328 GC/MS)	Per Sample	$ 165.00	$ 165.00	$ 165.00
9.B.	**WATER ANALYSIS**				
9-25.	Water, Gasoline/Kerosene Analytical Group-Table C of Ch. 62-780, F.A.C. (Multiple Methods)	Per Sample	$ 285.00	$ 285.00	$ 285.00
9-26.	Water, Used Oil/Unknown Product Group-Table D of Ch. 62-780, F.A.C., except for non-Priority Pollutant Organics (Multiple Methods)	Per Sample	$ 316.80	$ 316.80	$ 332.64

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Contractor: WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
9-27.	Water, BTEX + MTBE (EPA 602, EPA 624, EPA 8021 or EPA 8260)	Per Sample	$ 37.00	$ 37.00	$ 38.85
9-28.	Water, Volatile Organic Halocarbons, except EDB (EPA 8021 or EPA 8260)	Per Sample	$ 57.20	$ 57.20	$ 60.06
9-29.	Water, BTEX + MTBE + VOHs (EPA 601/602, EPA 624, EPA 6021 or EPA 8260)	Per Sample	$ 60.50	$ 60.50	$ 63.52
9-30.	Water, Polycyclic Aromatic Hydrocarbons, including 1-methylnaphthalene + 2-methylnaphthalene (EPA 610 [HPLC], EPA 625, EPA 8270 or EPA 8310)	Per Sample	$ 80.00	$ 80.00	$ 84.00
9-31.	Water, EDB [1,2-dibromoethane or ethylene dibromide] (EPA 504.1 or EPA 8011)	Per Sample	$ 40.70	$ 40.70	$ 42.73
9-31.a.	Water, EDB [1,2-dibromoethane or ethylene dibromide] (EPA 8260 SIM)	Per Sample	Not Applicable	$ 44.44	$ 46.66
9-32.	Water, Priority Pollutant Volatile Organics [for NPDES purposes only] (EPA 624)	Per Sample	$ 110.00	$ 110.00	$ 110.00
9-33.	Water, Priority Pollutant Volatile Organics (EPA 8260)	Per Sample	$ 110.00	$ 110.00	$ 110.00
9-34.	Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables [for NPDES purposes only] (EPA 625 list [e.g., EPA 608 + EPA 625])	Per Sample	$ 270.00	$ 270.00	$ 283.50
9-35.	Water, Priority Pollutant Extractable Organics-Base Neutral and Acid Extractables (EPA 8270 list [e.g., EPA 8081/8082 + EPA 8270 or EPA 608 + EPA 8270)	Per Sample	$ 280.00	$ 280.00	$ 294.00
9-36.	Water, Total Recoverable Petroleum Hydrocarbons (FL-PRO)	Per Sample	$ 48.00	$ 48.00	$ 50.40
9-37.	Water, PCBs [or Aroclors] (EPA 608 or EPA 8082)	Per Sample	$ 42.00	$ 42.00	$ 42.00
9-38.	Water, Arsenic, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.55
9-39.	Water, Cadmium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.55
9-40.	Water, Chromium, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.55
9-41.	Water, Lead, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	$ 12.00	$ 12.00	$ 12.00
9-41.a.	Water, Dissolved Lead (includes filter appropriate to sample method - EPA 200.7, 200.9, 6010B, or 7380)	Per Sample	Not Applicable	$ 20.00	$ 20.00
9-42.	Water, Mercury, Total (EPA 245.1, EPA 6020 or EPA 7470)	Per Sample	$ 22.00	$ 22.00	$ 22.00

Attachment D (V2.1) - Rate Schedule

Region: North
Contractor: WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
Contract #: GC788

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9-43.	Water, Calcium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.00
9-44.	Water, Iron, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.00
9-44.a.	Water, Dissolved Iron (includes filter appropriate to sample method - EPA 200.7, 200.9, 6010B, or 7380)	Per Sample	Not Applicable	$ 20.00	$ 20.00
9-45.	Water, Magnesium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.00
9-46.	Water, Manganese, Total (EPA 200.7, EPA 200.8, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.00
9-47.	Water, Potassium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.00
9-48.	Water, Sodium, Total (EPA 200.7, EPA 6010 or EPA 6020)	Per Sample	$ 11.00	$ 11.00	$ 11.00
9-49.	Water, Alkalinity [as CaCO3] (EPA 310.2 or SM 2320 B)	Per Sample	$ 10.50	$ 10.50	$ 10.50
9-50.	Water, Ammonia [as N] (EPA 350.1, SM 4500-NH3 C, SM 4500-NH3 D, SM 4500-NH3 G or SM 4500-NH3 H)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-51.	Water, Chloride (EPA 300.0, EPA 9056, EPA 9251, EPA 9053, SM 4500Cl B, SM 4500Cl C or SM 4500Cl E)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-52.	Water, Hardness, Total [as CaCO3] (SM 2340 B or SM 2340 C)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-53.	Water, Nitrate [as N] (EPA 300.0 or EPA 353.2)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-54.	Water, Nitrate-Nitrite [as N] (EPA 300.0, EPA 353.2, SM 4500-NO3 E or SM 4500-NO3 F)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-55.	Water, Nitrite [as N] (EPA 300.0, EPA 300.1, SM 4500-NO2 B or SM 4500-NO3 F)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-56.	Water, Organic Carbon, Total (SM 5310 B, SM 5310 C or EPA 9060)	Per Sample	$ 21.00	$ 21.00	$ 21.00
9-57.	Water, Orthophosphate [as P] (EPA 300.0, EPA 300.1, EPA 365.1, EPA 365.3, EPA 9056, SM 4500-PE or SM 4500-PF)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-58.	Water, Residue-filterable [Total Dissolved Solids] (SM 2540 C)	Per Sample	$ 11.00	$ 11.00	$ 11.00

Attachment D (V2.1) - Rate Schedule

Region: North
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Contract #: GC788

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9-59.	Water, Residue-nonfilterable [Total Suspended Solids] (SM 2540 D)	Per Sample	$ 12.60	$ 12.60	$ 12.60
9-60.	Water, Sulfate (ASTM D516-02, ASTM D516-90, EPA 300.0, EPA 300.1, EPA 375.2, EPA 9038, EPA 9056 or SM 4500-SO4 C)	Per Sample	$ 14.18	$ 14.18	$ 14.18
9-61.	Water, Heterotrophic Plate Count (SM 9215 B)	Per Sample	$ 31.50	$ 31.50	$ 31.50
9-62.	Water, Acute Bioassay-96 Hour, Freshwater, Vertebrate/Invertebrate [Vertebrate: Pimephales promelas or Cyprinella leedsi/Invertebrate: Ceriodaphnia dubia] (EPA 2000.0/2002.0)	Per Sample	$ 500.00	$ 500.00	$ 500.00
9-63.	Water, Acute Bioassay-96 Hour, Estuarine + Marine, Vertebrate/Invertebrate [Vertebrate: Menidia beryllina, Meridia menidia or Menida peninsulae/Invertebrate: Mysidopsis bahia] (EPA 2006.0/2007.0)	Per Sample	$ 500.00	$ 500.00	$ 500.00
9-64.	Water, GC/MS Full Scan, Alkanes, Isoalkanes, Cycloalkanes, Aromatics, Bicyclane, Sterane, and Terpane Biomarkers (ASTM D5739 High Resolution GC/MS)	Per Sample	$ 157.50	$ 157.50	$ 157.50
9-65.	Water, Gasoline Hydrocarbon Composition, Gasoline PIANO [paraffins, isoparaffins, aromatics, naphthenes and olefins] (EPA 8260Mod, High Resolution GC/MS)	Per Sample	$ 157.50	$ 157.50	$ 157.50
9-66.	Water, 5 Fuel Oxygenates, MTBE, DIPE, TAME, ETBE and TBA (EPA 8260Mod, High Resolution GC/MS)	Per Sample	$ 47.25	$ 47.25	$ 47.25
9-67.	Water, C10-C40 Alkane Fingerprint, N-Alkanes and Isoalkanes (ASTM D3328 GC/MS)	Per Sample	$ 157.50	$ 157.50	$ 157.50
9-78.	Water, BTEX/MTBE + Naphthalene (EPA 8260)	Per Sample	Not Applicable	$ 67.00	$ 67.00
9-79.	Water, EDC [1,2-dichloroethane] (EPA Method 8021 or 8260)	Per Sample	Not Applicable	$ 38.89	$ 38.89
9-80.	Water, Methane (EPA SOP RSK-175)	Per Sample	Not Applicable	$ 106.00	$ 106.00

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9.C.	**AIR ANALYSIS**				
9-68.	Air, Total Petroleum Hydrocarbons (EPA Method 18 or TO-3)	Per Sample	$ 102.00	$ 102.00	$ 102.00
9-69.	Air, Volatile Organic Aromatics (EPA Method TO-15)	Per Sample	$ 152.25	$ 152.25	$ 152.25
9-70.	Air, Polycyclic Aromatic Hydrocarbons (EPA Method TO-13)	Per Sample	$ 147.00	$ 147.00	$ 147.00
9-71.	Air, Volatile Organic Compounds (EPA Method TO-17)	Per Sample	$ 252.00	$ 252.00	$ 252.00
9.D.	**PRODUCT ANALYSIS**				
9-72.	Product, C3-C44 Hydrocarbon Fingerprint, Gasoline PIANO [paraffins, isoparaffins, aromatics, naphthenes and olefins], alkanes and isoalkanes (ASTM D3328 High Resolution GC/FID)	Per Sample	$ 165.00	$ 165.00	$ 165.00
9-73.	Product, GC/MS Full Scan, alkanes, isoalkanes, cycloalkanes, aromatics, bicyclane, sterane, and terpane biomarkers (ASTM D5739 High Resolution GC/MS)	Per Sample	$ 165.00	$ 165.00	$ 165.00
9.E.	**OTHER ANALYSIS**				
9-74.	Other Analysis, Not Otherwise Specified	Reimbursable*	$ 1.00	Not Applicable	Not Applicable
9-75.	Additional Laboratory % Surcharge authorized in the ATC contract for 7 Day Turnaround.	Percent Surcharge	$ -	$ -	$ -
9-76.	Additional Laboratory % Surcharge authorized in the ATC contract for 3 Day Turnaround.	Percent Surcharge	$ 0.50	$ 0.50	$ 0.50
9-77.	Additional Laboratory % Surcharge authorized in the ATC contract for 1 Day Turnaround.	Percent Surcharge	$ 1.00	$ 1.00	$ 1.00
10.	**SOIL SOURCE REMOVAL RELATED**				
10-1.	Sheet Piling for ≤ 20 feet deep excavation (per square foot)	Per Sq. Foot/Day	$ 50.00	Not Applicable	Not Applicable
10-1.a	Sheet Piling Installation for ≤ 20 feet deep Excavation	Per Sq. Foot	Not Applicable	$ 27.20	$ 28.56

Attachment D (V2.1) - Rate Schedule

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Contract #: GC788

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10.1.b	Sheet Piling Rental for ≤ 20 feet deep Excavation	Per Sq. Foot/Day	Not Applicable	$ 1.40	$ 1.47
10.1.c	Sheet Piling Rental for ≤ 20 feet deep Excavation	Per Sq. Foot/Week	Not Applicable	$ 1.40	$ 1.47
10.1.d	Sheet Piling Rental for ≤ 20 feet deep Excavation	Per Sq. Foot/Month	Not Applicable	$ 5.60	$ 5.88
10-2.	Sheet Piling for ≤ 20 feet deep excavation (per square foot)	Per Sq. Foot/Week	$ 50.00	Not Applicable	Not Applicable
10-2.a	Sheet Piling Installation for > 20 feet deep Excavation	Per Sq. Foot	Not Applicable	$ 38.38	$ 38.38
10.2.b	Sheet Piling Rental for > 20 feet deep Excavation	Per Sq. Foot/Day	Not Applicable	$ 2.00	$ 2.00
10.2.c	Sheet Piling Rental for > 20 feet deep Excavation	Per Sq. Foot/Week	Not Applicable	$ 4.00	$ 4.00
10.2.d	Sheet Piling Rental for > 20 feet deep Excavation	Per Sq. Foot/Month	Not Applicable	$ 5.60	$ 5.60
10-3.	Sheet Piling for ≤ 20 feet deep excavation (per square foot)	Per Sq. Foot/Month	$ 69.61	Not Applicable	Not Applicable
10-4.	Sheet Piling for > 20 feet deep excavation (per square foot)	Per Sq. Foot/Day	$ 60.00	Not Applicable	Not Applicable
10-5.	Sheet Piling for > 20 feet deep excavation (per sqyuare foot)	Per Sq. Foot/Week	$ 63.80	Not Applicable	Not Applicable
10-6.	Sheet Piling for > 20 feet deep excavation (per square foot)	Per Sq. Foot/Month	$ 70.00	Not Applicable	Not Applicable
10-7.	Conventional Soil Excavation and Loading ≤ 300 cubic yards	Per Cubic Yard	$ 40.16	$ 40.16	$ 42.16
10-8.	Conventional Soil Excavation and Loading > 300 cubic yards	Per Cubic Yard	$ 34.56	$ 34.56	$ 34.56
10-9.	LDA Excavation and Loading Without Casing ≤ 300 cubic yards	Per Cubic Yard	$ 140.00	$ 140.00	$ 140.00
10-10.	LDA Excavation and Loading Without Casing > 300 cubic yards	Per Cubic Yard	$ 120.00	$ 120.00	$ 120.00
10-11.a.	LDA Excavation and Loading With Surface Casing ≤ 300 cubic yards	Per Cubic Yard	$ 153.53	$ 153.53	$ 161.20
10-11.b.	LDA Excavation and Loading With Driven Casing ≤ 300 cubic yards	Per Cubic Yard	$ 285.32	$ 285.32	$ 299.58
10-12.a.	LDA Excavation and Loading With Surface Casing > 300 cubic yards	Per Cubic Yard	$ 148.13	$ 148.13	$ 155.53
10-12.b.	LDA Excavation and Loading With Driven Casing > 300 cubic yards	Per Cubic Yard	$ 231.32	$ 231.32	$ 242.88
10-13.	Flowable Fill Concrete and Installation	Per Cubic Yard	$ 113.93	$ 113.93	$ 119.62
10-14.	Clean Backfill Material, Compaction and Testing (includes transport) ≤ 300 cubic yards	Per Cubic Yard	$ 36.56	$ 36.56	$ 38.38

Attachment D (V2.1) - Rate Schedule

Region: North
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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
10-15.	Clean Backfill Material, Compaction and Testing (includes transport) > 300 cubic yards	Per Cubic Yard	$ 32.96	$ 32.96	$ 34.60
10-15.a.	Clean Overburden Used As Backfill, Compaction and Testing ≤ 300 cubic yards	Per Cubic Yard	Not Applicable	$ 22.22	$ 23.33
10-15.b.	Clean Overburden Used As Backfill, Compaction and Testing > 300 cubic yards	Per Cubic Yard	Not Applicable	$ 20.00	$ 21.00
10-16.	Pea Gravel	Per Ton	$ 69.39	$ 69.39	$ 69.39
10-17.	#57 Stone	Per Ton	$ 46.99	$ 46.99	$ 49.33
10-18.	Dewatering System, up to 12 well points (includes installation)	Per Day	$ 4,450.00	$ 4,450.00	$ 4,450.00
10-19.	Additional Dewatering System Well Points (2) (includes installation)	Per Day	$ 375.00	$ 375.00	$ 375.00
10-20.	Dewatering System, up to 12 well points (includes installation)	Per Week	$ 9,000.00	$ 9,000.00	$ 9,000.00
10-21.	Additional Dewatering System Well Points (2) (includes installation)	Per Week	$ 600.00	$ 600.00	$ 600.00
10-22.	Dewatering System, up to 12 well points (includes installation)	Per Month	$ 18,550.40	$ 18,550.40	$ 18,550.40
10-23.	Additional Dewatering System Well Points (2) (includes installation)	Per Month	$ 750.00	$ 750.00	$ 750.00
11.	**PETROLEUM STORAGE TANK REMOVAL AND DISPOSAL**				
11-1.	Remove and Dispose Petroleum Storage Tank - ≤ 1,000 gal. capacity	Per Tank	$ 2,678.00	$ 2,678.00	$ 2,678.00
11-2.	Remove and Dispose Petroleum Storage Tank - > 1,000 to 5,000 gal. capacity	Per Tank	$ 4,480.00	$ 4,480.00	$ 4,480.00
11-3.	Remove and Dispose Petroleum Storage Tank - > 5,000 to 10,000 gal. capacity	Per Tank	$ 6,720.00	$ 6,720.00	$ 6,720.00
11-4.	Remove and Dispose Petroleum Storage Tank - > 10,000 gal. capacity	Per Tank	$ 8,960.00	$ 8,960.00	$ 8,960.00
12.	**DEBRIS, WASTE AND PRODUCT REMOVAL AND DISPOSAL**				
12-1.	Removal and Loading of Asphalt and/or Concrete - up to 4 inch thickness	Per Square Foot	$ 3.31	$ 3.31	$ 3.47
12-2.	Additional Removal/Loading Cost for Concrete - > 4 inch thickness	Per Square Foot	$ 2.75	$ 2.75	$ 2.88
12-3.	Loading, Transport and Disposal/Recycle Clean Overburden	Per Ton	$ 60.00	$ 60.00	$ 60.00
12-4.	Transport and Disposal of Clean Concrete	Per Ton	$ 39.20	$ 39.20	$ 41.16
12-5.	Transport and Disposal of Mixed Debris	Per Ton	$ 50.40	$ 50.40	$ 52.92

Attachment D (V2.1) - Rate Schedule

Region: North
Contractor: WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
Contract #: GC788

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12-6.	Transport and Disposal of Petroleum Impacted Soil (includes drum)	Per Drum	$ 168.00	$ 168.00	$ 176.40
12-7.	Transport Petroleum Impacted Soil (bulk) ≤ 100 miles	Per Ton	$ 31.00	$ 31.00	$ 31.00
12-8.	Transport Petroleum Impacted Soil (bulk) > 100 miles	Per Ton	$ 39.20	$ 39.20	$ 41.16
12-9.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) ≤ 450 tons	Per Ton	$ 28.00	$ 28.00	$ 29.40
12-10.	Disposal of Petroleum Impacted Soil at a Landfill (bulk) > 450 tons	Per Ton	$ 28.00	$ 28.00	$ 29.40
12-11.	Disposal of Petroleum Impacted Soil at a Thermal Treatment Facility (bulk) ≤ 450 tons	Per Ton	$ 36.75	$ 36.75	$ 36.75
12-12.	Disposal of Petroleum Impacted Soil at a Thermal Treatment Facility (bulk) > 450 tons	Per Ton	$ 36.75	$ 36.75	$ 36.75
12-13.	Transport and Disposal of Petroleum Contact Water (includes drum)	Per Drum	$ 195.00	$ 195.00	$ 204.75
12-14.	Transport and Disposal of Petroleum Contact Water (bulk)	Per Gallon	$ 1.50	$ 1.50	$ 1.50
12-15.	Transport and Disposal of Petroleum Product (includes drum)	Per Drum	$ 150.00	$ 150.00	$ 157.50
12-16.	Transport and Disposal of Petroleum Product (bulk)	Per Gallon	$ 1.60	$ 1.60	$ 1.60
12-17.	Delivery, Pick Up and Rental of 20 Cubic Yard Roll-Off Container	Per Week	Not Applicable	$ 899.91	$ 944.90
12-18.	Additional Rental of 20 Cubic Yard Roll-Off Container	Per Week	Not Applicable	$ 166.65	$ 174.98
13.	**RESURFACING**				
13-1.	Asphalt Paving - 2 inch thickness (includes sub-base)	Per Square Foot	$ 5.36	$ 5.36	$ 5.62
13-2.	Asphalt Paving - additional 1 inch thickness	Per Square Foot	$ 3.12	$ 3.12	$ 3.12
13-3.	Concrete Paving - 4 inch thickness (includes sub-base)	Per Square Foot	$ 7.60	$ 7.60	$ 7.98
13-4.	Concrete Paving - additional 1 inch thickness	Per Square Foot	$ 2.00	$ 2.00	$ 2.10
13-5.	Crushed Lime Rock Cover - 2 inch thickness	Per Square Foot	$ 3.24	$ 3.24	$ 3.24
13-6.	Grass - Sod	Per Square Foot	$ 0.90	$ 0.90	$ 0.94
13-7.	Grass - Seed and Mulch	Per Square Foot	$ 0.42	$ 0.42	$ 0.44

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Contract #: GC788

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14.	**IN-SITU INJECTION**				
14-1.	Direct Push Boring with In-Situ Injection	Per Foot	$ 26.56	$ 26.56	$ 27.88
14-2.	In-Situ Injection Into Existing Well/Treatment Point	Per Injection Point	$ 493.80	$ 493.80	$ 493.80
14-3.	Materials to be Injected	Reimbursable*	$ 1.00	$ 1.00	$ 1.00
14-4.	Groundwater Injection System (not by direct push)	Per Week	Not Applicable	$ 2,222.00	$ 2,222.00
14-5.	Groundwater Injection System (not by direct push)	Per Month	Not Applicable	$ 4,444.00	$ 4,444.00
15.	**REMEDIAL ACTION CONSTRUCTION**				
15.A.	**TRENCHING**				
15-1.	Trenching and Installation of Plumbing (and Electrical) Lines in Trench - up to 8 plumbing lines	Per Linear Foot	$ 26.71	Not Applicable	Not Applicable
15-1.a.	Trenching and Installation of 1-10 Plumbing (and Electrical) Lines in Trench	Per Linear Foot of Trench	Not Applicable	$ 65.04	$ 68.29
15-1.b.	Trenching and Installation of 11 - 20 Lines	Per Linear Foot of Trench	Not Applicable	$ 75.04	$ 78.79
15-1.c.	Trenching and Installation of 21 - 30 Lines	Per Linear Foot of Trench	Not Applicable	$ 85.04	$ 89.29
15-1.d.	Trenching and Installation of Additional 1-10 Lines Greater Than 30 Lines	Per Linear Foot of Trench	Not Applicable	$ 20.15	$ 21.15
15-2.	Trenching and Installation - Additional 2 plumbing lines	Per Linear Foot	$ 8.09	Not Applicable	Not Applicable
15-2.a.	Installation of Plumbing (and Electrical) Lines Above Ground: Per Linear Foot of Piping. Electrical lines are not counted in determination of costs.	Per Foot	Not Applicable	$ 20.20	$ 21.21

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Contract #: GC788

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15-3.	Plumbing and Electrical Materials/Equipment Installed in Trench (If FDEP authorizes, submit quote(s) with Change Order)	Reimbursable*	$ 1.00	$ 1.00	$ 1.00
15-3.a.	Traffic Bearing Trench Plates (materials)	Reimbursable*	Not Applicable	$ 1.00	$ 1.00
15-3.b.	Infiltration Gallery Installation	Reimbursable*	Not Applicable	$ 1.00	$ 1.00
15.B.	**REMEDIATION SYSTEM INTEGRATION AND STARTUP**				
15-4.	System Installation/Integration/Startup - 1 technology component - up to 8 recovery/treatment points	Per Integration / Startup	$ 9,962.00	Not Applicable	Not Applicable
15-4.a	System Installation/Integration/Startup - 1 technology component - 1-10 recovery/treatment points	Per Startup	Not Applicable	$ 19,000.00	$ 19,000.00
15-4.b	System Installation/Integration/Startup - 1 technology component - 11-20 recovery/treatment points	Per Startup	Not Applicable	$ 22,119.00	$ 22,119.00
15-4.c	System Installation/Integration/Startup - 1 technology component - 21-30 recovery/treatment points	Per Startup	Not Applicable	$ 25,351.00	$ 25,351.00
15-4.d	System Installation/Integration/Startup - 1 technology component - 1-10 additional recovery/treatment points greater than 30. This item is used in conjunction with 15.4.c when needed.	Per Startup	Not Applicable	$ 3,787.50	$ 3,787.50
15-5.	System Installation/Integration/Startup – Addition of 1 technology component	Per Additional Tech Component	$ 3,190.00	$ 3,190.00	$ 3,190.00
15-6.	System Installation/Integration/Startup – Addition of 2 recovery/treatment points	Per 2 Recovery / Treatment Points	$ 1,250.00	Not Applicable	Not Applicable
15-7.	Compound Construction/fencing (materials)	Reimbursable*	Not Applicable	$ 1.00	$ 1.00
15-8.	Utility Drop	Reimbursable*	Not Applicable	$ 1.00	$ 1.00

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Contract #: GC788

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15-9.	Utility Connection	Reimbursable*	Not Applicable	$ 1.00	$ 1.00
15-10.	Utility Disconnect	Reimbursable*	Not Applicable	$ 1.00	$ 1.00
16.	**REMEDIAL ACTION - PACKAGED WORK SCOPES (Including Remediation System Equipment)**				
16.A.	**PILOT TEST PACKAGES (Including Remediation System Equipment)**				
16-1.	Groundwater Recovery System Pilot Test - 8 hours	Per Test	$ 5,520.00	$ 5,520.00	$ 5,520.00
16-2.	Groundwater Recovery System Pilot Test - Additional Time	Per 2 Hrs	$ 796.00	$ 796.00	$ 796.00
16-3.	Air Sparging or Biosparging Pilot Test - 8 hours	Per Test	$ 4,420.00	$ 4,420.00	$ 4,420.00
16-4.	Air Sparging or Biosparging Pilot Test - Additional Time	Per 2 Hrs	$ 670.00	$ 670.00	$ 670.00
16-5.	Vapor Extraction Pilot Test - 8 hours	Per Test	$ 4,420.00	$ 4,420.00	$ 4,420.00
16-6.	Vapor Extraction Pilot Test - Additional Time	Per 2 Hrs	$ 670.00	$ 670.00	$ 670.00
16-7.	Vapor Extraction/Aquifer Pumping Test - 8 hours	Per Test	$ 5,200.00	$ 5,200.00	$ 5,200.00
16-8.	Vapor Extraction/Aquifer Pumping Test - Additional Time	Per 2 Hrs	$ 796.00	$ 796.00	$ 796.00
16-9.	Air Sparging/Vapor Extraction Pilot Test - 8 hours	Per Test	$ 5,520.00	$ 5,520.00	$ 5,520.00
16-10.	Air Sparging/Vapor Extraction Pilot Test - Additional Time	Per 2 Hrs	$ 670.00	$ 670.00	$ 670.00
16-11.	Multi-Phase Extraction Pilot Test - 8 hours	Per Test	$ 5,520.00	$ 5,520.00	$ 5,520.00
16-12.	Multi-Phase Extraction Pilot Test - Additional Time	Per 2 Hrs	$ 796.00	$ 796.00	$ 796.00
16-13.	Air Sparging/Multiphase Extraction Pilot Test - 8 hours	Per Test	Not Applicable	$ 5,500.00	$ 5,775.00
16-14.	Air Sparging/Multiphase Extraction Pilot Test - Additional Time	Per 2 Hours	Not Applicable	$ 800.00	$ 840.00
16.B.	**SHORT TERM/EPISODIC SYSTEM OPERATION PACKAGES (Including Remediation System Equipment)**				
16-17.	Groundwater Treatment System Package - Medium	Per Day	$ 4,219.00	$ 4,219.00	$ 3,200.00

Attachment D (V2.1) - Rate Schedule

Region: North
Contractor: WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
16-18.	Groundwater Treatment System Package - Medium	Per Week	$ 12,088.00	$ 12,088.00	$ 9,800.00
16-19.	Air Sparge System Package - Medium	Per Day	$ 2,614.00	$ 2,614.00	$ 2,614.00
16-20.	Air Sparge System Package - Medium	Per Week	$ 8,877.00	$ 8,877.00	$ 8,000.00
16-21.	AS/SVE System Package - Medium	Per Day	$ 3,558.00	$ 3,558.00	$ 3,400.00
16-22.	AS/SVE System Package - Medium	Per Week	$ 10,765.00	$ 10,765.00	$ 9,500.00
16-23.	MPE System Package - Medium	Per Day	$ 3,344.00	$ 3,344.00	$ 3,344.00
16-24.	MPE System Package - Medium	Per Week	$ 10,338.00	$ 10,338.00	$ 9,500.00
16-25.	AS/MPE System Package - Medium	Per Day	Not Applicable	$ 2,666.40	$ 2,799.72
16-26.	AS/MPE System Package - Medium	Per Week	Not Applicable	$ 5,332.80	$ 5,599.44
16-27.	SVE System Package - Medium	Per Day	Not Applicable	$ 1,555.40	$ 1,633.17
16-28.	SVE System Package - Medium	Per Week	Not Applicable	$ 3,110.80	$ 3,266.34
17.	**MONTHLY REMEDIATION SYSTEM O&M PACKAGED WORK SCOPES (Excluding Remediation System Equipment)**				
17-1.	System O&M Package - Small	Per Month	$ 2,940.00	$ 2,940.00	$ 2,940.00
17-2.	System O&M Package - Medium	Per Month	$ 3,500.00	$ 3,500.00	$ 3,500.00
17-3.	System O&M Package - Large	Per Month	$ 4,080.00	$ 4,080.00	$ 4,080.00
17-4.	System O&M Package - Extra Large	Per Month	$ 4,638.00	$ 4,638.00	$ 4,638.00
17-5.	Supplemental System O&M Package - Add Thermox or Catox Treatment	Per Month	$ 368.00	$ 368.00	$ 368.00
18.	**REMEDIAL ACTION SYSTEM/EQUIPMENT USE (Equipment Only, Excluding O&M)**				
18-1.	Medium Holding Tank - 2,000 to 6,000 gal. capacity - Short Term ≤ 6 mos.	Per Month	$ 275.00	$ 275.00	$ 275.00
18-2.	Medium Holding Tank - 2,000 to 6,000 gal. capacity - Long Term > 6 mos.	Per Month	$ 165.00	$ 165.00	$ 165.00
18-3.	Large Holding Tank > 6,000 to 10,000 gal. capacity - Short Term ≤ 6 mos.	Per Month	$ 825.00	$ 825.00	$ 825.00

Attachment D (V2.1) - Rate Schedule

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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
18-4.	Large Holding Tank > 6,000 to 10,000 gal. capacity - Long Term > 6 mos.	Per Month	$ 413.00	$ 413.00	$ 413.00
18-5.	Groundwater Treatment System - Stand Alone Small - Short Term ≤ 6 mos.	Per Month	$ 6,430.00	$ 6,430.00	$ 5,000.00
18-6.	Groundwater Treatment System - Stand Alone Small - Long Term > 6 mos.	Per Month	$ 4,092.00	$ 4,092.00	$ 3,700.00
18-7.	Groundwater Treatment System - Stand Alone Medium - Short Term ≤ 6 mos.	Per Month	$ 9,797.00	$ 9,797.00	$ 9,000.00
18-8.	Groundwater Treatment System - Stand Alone Medium - Long Term > 6 mos.	Per Month	$ 6,234.00	$ 6,234.00	$ 6,000.00
18-9.	Groundwater Treatment System - Stand Alone Large - Short Term ≤ 6 mos.	Per Month	$ 13,959.00	$ 13,959.00	$ 12,000.00
18-10.	Groundwater Treatment System - Stand Alone Large - Long Term > 6 mos.	Per Month	$ 8,883.00	$ 8,883.00	$ 8,000.00
18-11.	Air Sparge System - Small - Short Term ≤ 6 mos.	Per Month	$ 3,031.00	$ 3,031.00	$ 3,031.00
18-12.	Air Sparge System - Small - Long Term > 6 mos.	Per Month	$ 1,928.00	$ 1,928.00	$ 1,928.00
18-13.	Air Sparge System - Medium - Short Term ≤ 6 mos.	Per Month	$ 3,376.00	$ 3,376.00	$ 3,376.00
18-14.	Air Sparge System - Medium - Long Term > 6 mos.	Per Month	$ 2,148.00	$ 2,148.00	$ 2,148.00
18-15.	Air Sparge System - Large - Short Term ≤ 6 mos.	Per Month	$ 4,897.00	$ 4,897.00	$ 4,897.00
18-16.	Air Sparge System - Large - Long Term > 6 mos.	Per Month	$ 3,116.00	$ 3,116.00	$ 3,116.00
18-17.	AS/SVE System - Small - Short Term ≤ 6 mos.	Per Month	$ 6,802.00	$ 6,802.00	$ 6,802.00
18-18.	AS/SVE System - Small - Long Term > 6 mos.	Per Month	$ 4,329.00	$ 4,329.00	$ 4,329.00
18-19.	AS/SVE System - Medium - Short Term ≤ 6 mos.	Per Month	$ 7,940.00	$ 7,940.00	$ 7,940.00
18-20.	AS/SVE System - Medium - Long Term > 6 mos.	Per Month	$ 5,052.00	$ 5,052.00	$ 5,052.00
18-21.	AS/SVE System - Large - Short Term ≤ 6 mos.	Per Month	$ 8,500.00	$ 8,500.00	$ 8,925.00
18-22.	AS/SVE System - Large - Long Term > 6 mos.	Per Month	$ 7,068.00	$ 7,068.00	$ 7,068.00
18-23.	MPE System - Small - Short Term ≤ 6 mos.	Per Month	$ 4,327.00	$ 4,327.00	$ 4,327.00
18-24.	MPE System - Small - Long Term > 6 mos.	Per Month	$ 2,753.00	$ 2,753.00	$ 2,753.00
18-25.	MPE System - Medium - Short Term ≤ 6 mos.	Per Month	$ 6,327.00	$ 6,327.00	$ 5,800.00

Attachment D (V2.1) - Rate Schedule

Region: North
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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
18-26.	MPE System - Medium - Long Term > 6 mos.	Per Month	$ 4,026.00	$ 4,026.00	$ 4,000.00
18-27.	MPE System - Large - Short Term ≤ 6 mos.	Per Month	$ 8,256.00	$ 8,256.00	$ 7,500.00
18-28.	MPE System - Large - Long Term > 6 mos.	Per Month	$ 5,254.00	$ 5,254.00	$ 5,000.00
18-29.	Groundwater Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	$ 6,430.00	$ 6,430.00	$ 3,500.00
18-30.	Groundwater Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	$ 3,980.00	$ 3,980.00	$ 2,000.00
18-31.	Groundwater Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	$ 9,351.00	$ 9,351.00	$ 2,000.00
18-32.	Groundwater Treatment - Add On - Small - Long Term > 6 mos.	Per Month	$ 5,950.00	$ 5,950.00	$ 1,000.00
18-33.	Groundwater Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	$ 8,479.00	$ 8,479.00	$ 1,500.00
18-34.	Groundwater Treatment - Add On - Large - Long Term > 6 mos.	Per Month	$ 7,700.00	$ 7,700.00	$ 1,600.00
18-35.	Carbon Off Gas Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	$ 750.00	$ 750.00	$ 750.00
18-36.	Carbon Off Gas Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	$ 402.00	$ 402.00	$ 422.10
18-37.	Carbon Off Gas Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	$ 1,007.00	$ 1,007.00	$ 1,057.35
18-38.	Carbon Off Gas Treatment - Add On - Small- Long Term > 6 mos.	Per Month	$ 359.00	$ 359.00	$ 359.00
18-39.	Carbon Off Gas Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	$ 500.00	$ 500.00	$ 500.00
18-40.	Carbon Off Gas Treatment - Add On - Large - Long Term > 6 mos.	Per Month	$ 440.00	$ 440.00	$ 462.00
18-41.	Thermox/Catox Off Gas Treatment - Add On - Small - Short Term ≤ 6 mos.	Per Month	$ 3,675.00	$ 3,675.00	$ 2,900.00
18-42.	Thermox/Catox Off Gas Treatment - Add On - Medium - Short Term ≤ 6 mos.	Per Month	$ 4,725.00	$ 4,725.00	$ 3,500.00
18-43.	Thermox/Catox Off Gas Treatment - Add On - Large - Short Term ≤ 6 mos.	Per Month	$ 6,825.00	$ 6,825.00	$ 5,000.00
18-44.	Thermox/Catox Off Gas Treatment - Add On - Small - Long Term > 6 mos.	Per Month	$ 3,150.00	$ 3,150.00	$ 2,900.00
18-45.	Thermox/Catox Off Gas Treatment - Add On - Medium - Long Term > 6 mos.	Per Month	$ 4,200.00	$ 4,200.00	$ 3,200.00
18-46.	Thermox/Catox Off Gas Treatment - Add On - Large - Long Term > 6 mos.	Per Month	$ 6,300.00	$ 6,300.00	$ 4,500.00
18-47.	Soil Vapor Extraction (SVE) System - Small - Short Term ≤ 6 Months	Per Month	Not Applicable	$ 3,555.20	$ 3,555.20

Attachment D (V2.1) - Rate Schedule

Region: North
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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
18.48.	Soil Vapor Extraction (SVE) System - Small - Long Term > 6 Months	Per Month	Not Applicable	$ 3,555.20	$ 3,555.20
18-49.	Soil Vapor Extraction (SVE) System - Medium - Short Term ≤ 6 Months	Per Month	Not Applicable	$ 4,444.00	$ 4,444.00
18-50.	Soil Vapor Extraction (SVE) System - Medium - Long Term > 6 Months	Per Month	Not Applicable	$ 4,444.00	$ 4,444.00
18-51.	Soil Vapor Extraction (SVE) System - Large - Short Term ≤ 6 Months	Per Month	Not Applicable	$ 4,888.40	$ 4,888.40
18-52.	Soil Vapor Extraction (SVE) System - Large - Long Term > 6 Months	Per Month	Not Applicable	$ 4,888.40	$ 4,888.40
18-53.	Air Sparge/Multphase Extraction (AS/MPE) System - Small - Short Term ≤ 6 Months	Per Month	Not Applicable	$ 8,000.00	$ 7,500.00
18-54.	Air Sparge/Multphase Extraction (AS/MPE) System - Small - Long Term > 6 Months	Per Month	Not Applicable	$ 7,000.00	$ 6,500.00
18-55.	Air Sparge/Multphase Extraction (AS/MPE) System - Medium - Short Term ≤ 6 Months	Per Month	Not Applicable	$ 10,365.63	$ 9,000.00
18-56.	Air Sparge/Multphase Extraction (AS/MPE) System - Medium - Long Term > 6 Months	Per Month	Not Applicable	$ 9,500.00	$ 7,500.00
18-57.	Air Sparge/Multphase Extraction (AS/MPE) System - Large - Short Term ≤ 6 Months	Per Month	Not Applicable	$ 11,254.43	$ 11,000.00
18-58.	Air Sparge/Multphase Extraction (AS/MPE) System - Large - Long Term > 6 Months	Per Month	Not Applicable	$ 11,254.43	$ 9,500.00
19.	**REPORTS (Excluding Professional Engineering and Professional Geology Services)**				
19-1.	Soil Source Removal Report	Per Report	$ 1,800.00	$ 1,800.00	$ 1,890.00
19-2.	Site Characterization Screening Report	Per Report	$ 2,000.00	Not Applicable	Not Applicable
19-3.	General Site Assessment Report	Per Report	$ 3,600.00	$ 3,600.00	$ 3,780.00
19-4.	Supplemental Site Assessment Report	Per Report	$ 1,600.00	$ 1,600.00	$ 1,680.00
19-5.	Receptor and Exposure Pathway Report	Per Report	$ 1,300.00	$ 1,300.00	$ 1,300.00
19-6.	Level 2 Natural Attenuation Monitoring Plan	Per Plan	$ 1,000.00	$ 1,000.00	$ 1,000.00
19-7.	Natural Attenuation or Post RA Monitoring Report, Quarterly or Non-Annual	Per Report	$ 600.00	$ 600.00	$ 600.00
19-8.	Natural Attenuation or Post RA Monitoring Report, Annual	Per Report	$ 1,350.00	$ 1,350.00	$ 1,350.00
19-9.	Pilot Test Plan	Per Plan	$ 784.00	$ 784.00	$ 784.00

Attachment D (V2.1) - Rate Schedule

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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
19-10.	Pilot Test Report	Per Report	$ 1,190.00	$ 1,190.00	$ 1,190.00
19-11.	Level 1 Remedial Action Plan	Per Plan	$ 12,500.00	$ 12,500.00	$ 12,500.00
19-12.	Level 2 Remedial Action Plan	Per Plan	$ 16,500.00	$ 16,500.00	$ 16,500.00
19-13.	Level 1 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 1,624.00	$ 1,624.00	$ 1,624.00
19-14.	Level 2 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 3,157.00	$ 3,157.00	$ 3,157.00
19-15.	Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 5,250.00	$ 5,250.00	$ 5,512.50
19-16.	Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 8,500.00	$ 8,500.00	$ 8,925.00
19-17.	Construction Drawings and Specs Report	Per Report	$ 4,000.00	$ 4,000.00	$ 4,000.00
19-18.	As-Built Drawings (P.E. Sealed red lined modifications)	Per Drawings	$ 750.00	$ 750.00	$ 750.00
19-19.	Remedial Action Startup Report	Per Report	$ 2,750.00	$ 2,750.00	$ 2,750.00
19-20.	Letter/NPDES Report	Per Report	$ 350.00	$ 350.00	$ 350.00
19-21.	Operation & Maintenance Report, Quarterly or Non-Annual	Per Report	$ 1,750.00	$ 1,750.00	$ 1,750.00
19-22.	Operation & Maintenance Annual Report	Per Report	$ 3,250.00	$ 3,250.00	$ 3,250.00
19-23.	Remedial Action General Report	Per Report	$ 1,264.00	$ 1,264.00	$ 1,264.00
19-24.	Remedial Action Interim Report	Per Report	$ 634.00	$ 634.00	$ 634.00
19-25.	Free Product Recovery Report	Per Report	$ 550.00	$ 550.00	$ 550.00
19-26.	Well Abandonment/Site Restoration Report	Per Report	$ 273.00	$ 273.00	$ 286.65
19-27	Interim Assessment Report	Per Report	Not Applicable	$ 505.00	$ 530.25
20.	**PERSONNEL (Excluding Professional Engineer and Professional Geologist)**				
20-1.	Program Manager (Key)	Per Hour	$ 150.00	$ 150.00	$ 150.00
20-2.	Project Manager (Key)	Per Hour	$ 130.00	$ 130.00	$ 130.00
20-3.	Engineer (Key)	Per Hour	$ 105.00	$ 105.00	$ 105.00

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20-4.	Geologist/Geoscientist (Key)	Per Hour	$ 98.00	$ 98.00	$ 98.00
20-5.	Hydrogeologist/Modeler (Key)	Per Hour	$ 105.00	$ 105.00	$ 105.00
20-6.	Scientist/Technical Specialist (Key)	Per Hour	$ 90.00	$ 90.00	$ 90.00
20-7.	Assistant Scientist/Technical Specialist	Per Hour	$ 77.00	$ 77.00	$ 77.00
20-8.	Field Technician (Key)	Per Hour	$ 75.00	$ 75.00	$ 75.00
20-9.	Draftsperson	Per Hour	$ 63.00	$ 63.00	$ 63.00
20-10.	Administrative	Per Hour	$ 55.00	$ 55.00	$ 55.00
20-11.	Laborers and Security Guards	Per Hour	$ 53.00	$ 53.00	$ 53.00
21.	**PROFESSIONAL ENGINEERING AND PROFESSIONAL GEOLOGY SERVICES**				
21-1.	Professional Engineer (**Key**)	Per Hour	$ 158.00	$ 158.00	$ 158.00
21-2.	Professional Geologist (**Key**)	Per Hour	$ 158.00	$ 158.00	$ 158.00
21-3.	P.G. Field Oversight of Drilling and Boring and Soil-Boring Logging (Use hourly rate on site specific basis)	Per Hour	$ 158.00	$ 158.00	$ 158.00
21-4.	P.G. Field Oversight of Well Installation (Use hourly rate on site specific basis)	Per Hour	$ 158.00	$ 158.00	$ 158.00
21-5.	P.E. Project Oversight for Remediation Technology Pilot Testing	Per Test	$ 1,264.00	$ 1,264.00	$ 800.00
21-6.a.	P.E. Project Oversight for Remediation System Integration and Startup - Small System	Per System	$ 2,370.00	$ 2,370.00	$ 1,800.00
21-6.b.	P.E. Project Oversight for Remediation System Integration and Startup - Medium System	Per System	$ 2,844.00	$ 2,844.00	$ 2,000.00
21-6.c.	P.E. Project Oversight for Remediation System Integration and Startup - Large System	Per System	$ 3,634.00	$ 3,634.00	$ 2,500.00
21-6.d.	P.E. Project Oversight for Remediation System Integration and Startup - Extra Large System	Per System	$ 4,424.00	$ 4,424.00	$ 2,700.00
21-7.a.	P.E. Project Oversight for Short Term or Episodic Remediation System Operation - Daily Basis	Per Day	$ 316.00	$ 316.00	$ 316.00

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21-7.b.	P.E. Project Oversight for Short Term or Episodic Remediation System Operation - Weekly Basis	Per Week	$ 1,106.00	$ 1,106.00	$ 1,106.00
21-8.	P.E. Project Oversight for Remediation System Operation and Maintenance	Per Month	$ 1,580.00	$ 1,580.00	$ 1,580.00
21-9.	P.E. Review and Certification of Sufficiency of Engineering Controls (other than permanent, impermeable surface or top two feet of clean fill), with Monitoring and Maintenance Recommendations Required for a Conditional NFA	Per Review and Certification	$ 1,264.00	$ 1,264.00	$ 1,264.00
21-10.	P.G. Review and Certification of Sufficiency of Engineering Controls Limited to Permanent, Impermeable Surface or Top Two Feet of Clean Fill with Monitoring and Maintenance Recommendations Required for a Conditional NFA	Per Review and Certification	$ 632.00	$ 632.00	$ 632.00
21-11.	P.E. Design and Certification of Plans and Project Oversight of Installation for Engineering Controls (other than permanent, impermeable surface or top two feet of clean fill) required for a conditional NFA	Per Engineering Controls Installation	$ 3,792.00	$ 3,792.00	$ 3,000.00
21-12.	P.G. Review, Evaluation and Certification of Plans and Project Oversight for Installation of Engineering Controls Limited to Permanent, Impermeable Surface or Top Two Feet of Clean Fill Required for a Conditional NFA	Per Engineering Controls Installation	$ 1,896.00	$ 1,896.00	$ 1,500.00
21-13.	P.G. or P.E. Review, Evaluation and Certification of a Soil Source Removal Report That Includes a Recommendation for NFA	Per Report	$ 316.00	$ 316.00	$ 316.00
21-14.	P.G. or Qualified P.E. Review, Evaluation and Certification of a Site Characterization Screening Report Attesting to the Field Work Portion Only and if the Report Includes a Recommendation for NFA	Per Report	$ 316.00	Not Applicable	Not Applicable
21-15.	P.G. or Qualified P.E. Review, Evaluation and Certification of a General Site Assessment Report	Per Report	$ 474.00	$ 474.00	$ 474.00

Attachment D (V2.1) - Rate Schedule

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Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
21-16.	P.G. or Qualified P.E. Review, Evaluation and Certification of a Supplemental Site Assessment Report	Per Report	$ 316.00	$ 316.00	$ 316.00
21-17.	P.G. or P.E. Review, Evaluation and Certification of a Receptor and Exposure Pathway Report	Per Report	$ 316.00	$ 316.00	$ 316.00
21-18.	P.E. Review, Evaluation and Certification of a Level 2 Natural Attenuation Monitoring Plan	Per Plan	$ 158.00	$ 158.00	$ 158.00
21-19.	P.E. Review, Evaluation and Certification of a Non-Annual Natural Attenuation or Post RA Monitoring Report That Includes a Recommendation for NFA or a Recommendation to Modify the Approved Monitoring Plan	Per Report	$ 158.00	$ 158.00	$ 158.00
21-20.	P.G or P.E. Review, Evaluation and Certification of an Annual Natural Attenuation Monitoring Report	Per Report	$ 158.00	$ 158.00	$ 158.00
21-21.	P.E. Review, Evaluation and Certification of a Pilot Test Plan	Per Plan	$ 316.00	$ 316.00	$ 316.00
21-22.	P.E. Review, Evaluation and Certification of a Pilot Test Report	Per Report	$ 632.00	$ 632.00	$ 632.00
21-23.	P.E. Review, Evaluation and Certification of a Level 1 Remedial Action Plan	Per Plan	$ 4,582.00	$ 4,582.00	$ 3,500.00
21-24.	P.E. Review, Evaluation and Certification of a Level 2 Remedial Action Plan	Per Plan	$ 6,004.00	$ 6,004.00	$ 4,500.00
21-25.	P.E. Review, Evaluation and Certification of a Level 1 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 316.00	$ 316.00	$ 316.00
21-26.	P.E. Review, Evaluation and Certification of a Level 2 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 316.00	$ 316.00	$ 316.00
21-27.	P.E. Review, Evaluation and Certification of a Level 3 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 1,264.00	$ 1,264.00	$ 1,264.00
21-28.	P.E. Review, Evaluation and Certification of a Level 4 Limited Scope Remedial Action Plan or RAP Modification Plan	Per Plan	$ 3,002.00	$ 3,002.00	$ 2,500.00

Attachment D (V2.1) - Rate Schedule

Region: North
Contractor: WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
Contract #: GC788

PAY ITEM	DESCRIPTION	UNIT OF MEASURE	ORIGINAL CONTRACTED ITEM PRICE 2014	PREVIOUS CONTRACTED ITEM PRICE (V2.0)	REVISED CONTRACTED ITEM PRICE (V2.1)
21-29.	P.E. Review, Evaluation and Certification of As-Built Drawings (P.E. sealed red lined modifications)	Per Set of Drawings	$ 158.00	$ 158.00	$ 158.00
21-30.	P.E. Review, Evaluation and Certification of a Remedial Action Startup Report That Includes a Recommendation for System Modification or Significant Change in the Course of Action	Per Report	$ 474.00	$ 474.00	$ 474.00
21-31.	P.E. Review, Evaluation and Certification of a Non-Annual Operation and Maintenance Report That Includes Significant Proposed Changes to the Approved RAP	Per Report	$ 316.00	$ 316.00	$ 316.00
21-32.	P.E. Review, Evaluation and Certification of an Annual Operation and Maintenance Report	Per Report	$ 1,896.00	$ 1,896.00	$ 1,200.00
21-33.	P.G or P.E. Review, Evaluation and Certification of a Remedial Action General Report	Per Report	$ 158.00	$ 158.00	$ 158.00
21-34.	P.G or P.E. Review, Evaluation and Certification of an Interim Remedial Action Report That Includes a Recommendation for System Modification or Significant Change in the Course of Action	Per Report	$ 158.00	$ 158.00	$ 158.00
21-35.	P.E. Review, Evaluation, and Certification of Construction Drawings	Per Set of Drawings	Not Applicable	$ 319.16	$ 319.16
21-36.	P.E. Review, Evaluation, and Certification of Annual PARM Report	Per Report	Not Applicable	$ 319.16	$ 319.16

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