

DEPARTMENT OF THE ARMY
Office of the Assistant Chief of Staff for Installation Management
BRAC Division
Seneca Army Depot, Seneca, NY

MEMORANDUM FOR RECORD**18 June 2018**

SUBJECT: Cost to Complete Estimate for site SEAD-025 (HQAES WBS# 36760.1025), Fire Training Areas at Seneca Army Depot

1. This memorandum serves as formal documentation for the information used to develop the Cost-To-Complete (CTC) estimate for Site SEAD-025. Estimators experience is documented on the Estimator Experience Form, per the Federal Accounting Standards Advisory Board (FASAB) Handbook Technical Release 2 (Enclosure 1). The Final ROD for SEAD- 25, and SEAD- 26, September 2004 (Enclosure 2), is the regulatory driver for this cost requirement.

Site Closeout and well decommissioning is expected to take place in FY 21 when groundwater testing is expected to be terminated. Future monitoring cost is based on task order pricing for monitoring (enclosure 4). Well Abandonment costs including site closeout were estimated using costs from the contract W912DY-08-D-0003, Task Order 0008, FY16 Task; 6 wells @ \$31,398= \$5,223, and closeout report, \$18,206.00. These costs were escalated from FY16 to FY18 using the FY18 escalation factor in the 20 March 2018 Data Call Memorandum. The technical and project management oversight costs were estimated using the hourly rates in the FY18 Data Call Memorandum. Seneca Army Depot Activity is in the "other US" areas and additional locality adjustment is not required. Site Closeout and well decommissioning is expected to take place in FY 21 when GW testing is expected to be terminated. The Estimate Summary Table is in Enclosure 3. The LUC monitoring cost and the five-year review requirements are based upon contract number W912DS-09-D-0062 Task Order 0023 (Enclosure 4).

Perfluorinated Compounds(PFCs) will be sampled for in existing wells as emerging contaminants; the cost estimate is included in SEAD 009 due to the special sampling is combined with other sites as one SI.

2. **Site History:** SEAD-25, Fire Training Area is located in the east-central portion of SEAD covering roughly 7.6 acres and was in use from the late-1960s to the late-1980s. During the 1980s the pad was used for firefighting demonstrations. Results of the 1998 RI indicated the site soil had been impacted by VOCs and SVOCs due to past fire training activities. The presence of VOCs in the soil is considered to be the source of GW impacts that will be mitigated through the removal of the soil. The 2004 ROD (Enclosure 2) required the removal of impacted soil, monitored natural attenuation of the GW contamination and institute LUCs. The removal of soils was completed in 2005. GW monitoring and LUCs began in May 2007. The

Environmental Liabilities for site SEAD-025, Fire Training Area at Seneca Army Depot

GW monitoring was expected to last ten years as identified in the ROD, or through 2016. The concentrations have decreased but have not yet met standards. The five year review was submitted. EPA has not agreed with discontinuing the groundwater monitoring. EPA required two rounds of data in the next five year cycle (Enclosure 4).

3. **Current Condition:** SEAD 25 is in RA(O) phase where GW is being sampled annually and Natural Attenuation of the contamination is being monitored. Benzene and Ethyl Benzene concentrations remain above the groundwater standards. 99% reduction has occurred. Perfluorinated Compounds are to be analyzed in groundwater as an emerging contaminant IAW DODI, Emerging Contaminants, certified current through 11 June 2016. The costs for perfluorinated compounds analysis is included in SEAD 009 to avoid duplication of costs for work plans and the UFP-QAPP.
4. **Exit Strategy:** Upon demonstration that GW has met the established cleanup goal, GW sampling will be eliminated. The LUC restriction will continue as a parcel-wide restriction, and due to perfluorinated compounds detections. The LUC inspection cost will be included in SEAD-009 with a zero cost MFR for SEAD 25 at that time. Monitoring was expected to end in 2016 the Annual Report will document the end of monitoring. EPA reviewed this status in the Five Year Review Report, submitted FY16. Groundwater monitoring can be discontinued only with EPA concurrence. EPA required two additional rounds of sampling in the next five year cycle. This correspondence was by email and is included in Enclosure 7. It is expected that perfluorinated compounds will require no further action due to existing LUCs, including no-residential and no-groundwater use restrictions. Perfluorinated Compounds (PFCs) may require monitoring, however this site is in the industrial parcel which already has a no-use-of groundwater LUC, and therefore continued monitoring for PFCs is not expected to be required.

3. Enclosures:

1. Estimator Experience Form and Environmental Liability Training Certificate
2. Final Record of Decision, Fire Training and Demonstration Pad (SEAD 25) and the Fire Training Pit and Area (September 2004)
3. Estimate Summary Table and Site Closeout and Well Abandonment Estimate
4. Contract W912DY-09-D-0062 Task Order 23 Date 30 Mar 2016 and Contract W912DS-13-D-0005, Job Order Contract for Seneca AD
5. USACE Oversight Cost Estimate
6. Contract W912DY-08-D-0003, LTM Plan for the OB Grounds and Fire Training Area, LUCs and Well Abandonment Task Orders
7. Emails, EPA and NYSDEC, 14 Nov 2016 and prior

Cost to Owner: Prior year Cost to Owner was assumed to be the 11% RACER Default value. The 20 March 2018 Data Call Memorandum no longer allows this default value. The US Army Corps of Engineers (USACE) is the contracting and oversight Agency for the remaining ground water sampling. The prior year default assumption was consistent with oversight costs for the USACE. The estimate for labor rates for oversight costs is attached in Enclosure 5 using the 2018 Data call rates. This is within the allowed oversight range of 10%-20% in the 20 March 2018 Data Call Memorandum.

8. Cost Summary SEAD-025

| | |
|---|------------------|
| Environmental Liabilities for site SEAD-025, Fire Training Area at Seneca Army Depot Ground Water sampling FY16 (Encl 4) CLIN 0004a \$26,049.47 x Escalation Factor 1.0489 = \$27,323.29 | \$27,323 |
| Clearing and Grubbing for ground water sampling (Encl 4)= \$3,883.16 | \$3,883 |
| Cost to Owner for Contract management District Estimate | \$3,537 |
| Well Abandonment/Site Closeout | \$141,558 |
| Total Site Cost | \$176,301 |

9. Material Change: The 18 March 2018 FY18 guidance memorandum states that the material change will be calculated with HQAES. There is no material change expected for FY18 for SEAD 25.

Prepared by: Randall W. Battaglia
Cost Estimator

Signature Date

Reviewed by: William W. Millar
Cost Estimator Reviewer

Signature Date

ESTIMATOR EXPERIENCE

| | |
|--|--------------------------------------|
| ESTIMATOR NAME: Randall Battaglia | POSITION: Project Manager/BEC |
| LOCATION: Seneca Army Depot | YEARS OF EXPERIENCE: 32 years |
| EMAIL: Randy.W.Battaglia@usace.army.mil | PHONE NUMBER: 347-213-1565 |

DESCRIPTION: (Insert description of experience here, such as educational background, training, etc.)

B.S. Chemical Engineering, 1982; Certified Project Manager, 2007

Work Experience: Project Manager; USACE, 1995-Present: Prepare and manage Life-Cycle Cost for HTRW projects; executes the COE project management business process & establishing a project management plan with a project development team consisting of interdisciplinary, regional or other agencies teams to execute & ensure all projects meet customer, budgetary, safety, scope and schedule requirements during the life cycle of the project, under changing management parameters. Represents the Army as an Alternate for the installation manager in all customer/sponsor, congressional, public contacts, including public meetings, organizations, property transfers with the state, EPA, county, & independent organizations interested in the projects. Served also as the BRAC Environmental Coordinator, 2016-Present.

Environmental Coordinator, Seneca Army Depot, 1985-1995; performed all program management, cost estimation, budget regulatory, permitting, and other management for the environmental program at the active Seneca Army Depot for hazardous waste, TSDF, air, wetlands, CERCLA, RCRA, engineering projects, etc.

Process Engineer, IEC Electronics, 1983-1985 Process engineering for production, product development, personnel, process & Quality

Relevant Continuing Education: Network Systems Analysis; Project Management for Military Projects & HTRW projects; Environmental Auditing; Economic Assessment; Various Project Management & environmental remediation courses; Cost Estimating

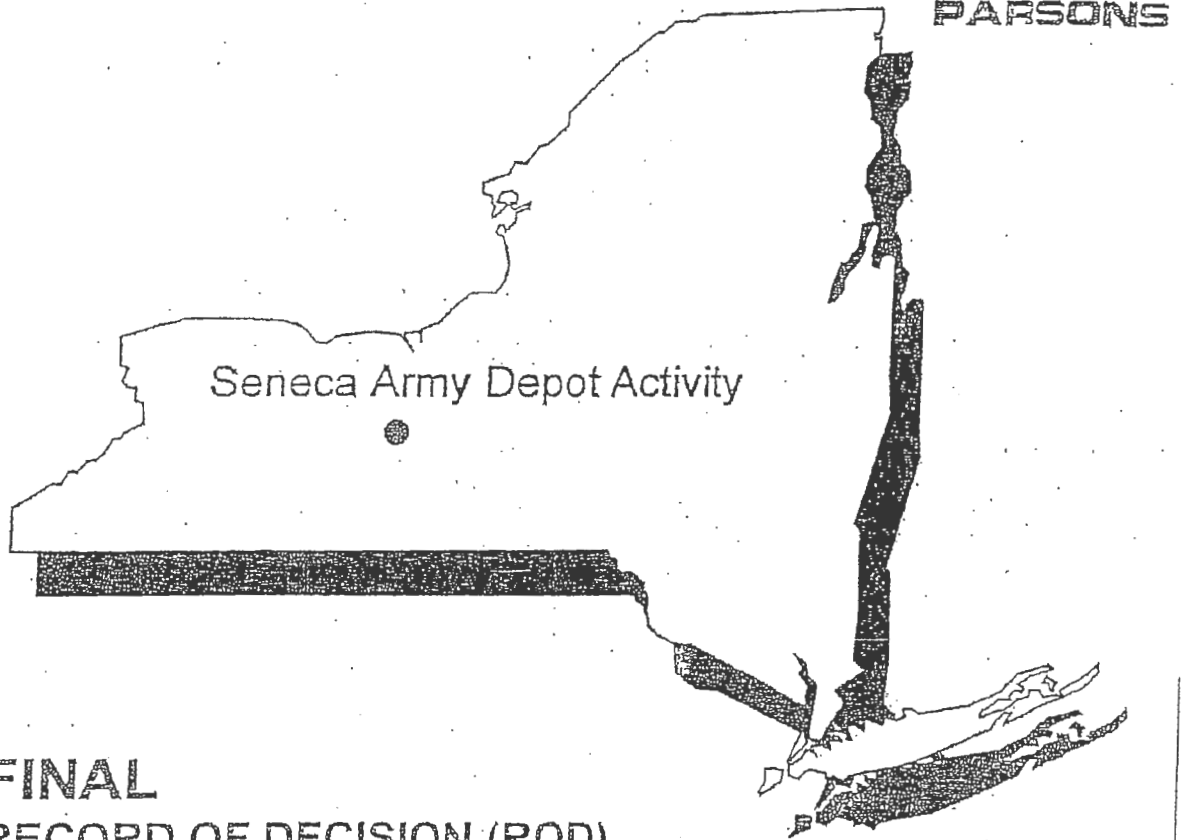
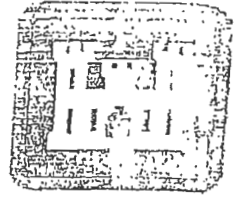
SITE TYPE REVIEWED: Insert site number(s) at which experience gained for each site type to the maximum extent possible.

| SITE TYPE | SITE NUMBER | SITE TYPE | SITE NUMBER |
|----------------------------------|---|---------------------------------------|---|
| Above Ground Storage Tank | SEAD 5,59,71 | Open Burn | SEAD 23, 24, 006-R-01, 003-R-01, 007-R-01 |
| Burn Area | SEAD 24,45,25,26 | Plating Shop | |
| Chemical Disposal | SEAD 13,72,4 | POL (Petroleum/Lubricant Lines | SEAD 9 |
| Contaminated Buildings | SEAD 12, 16,17, 3 | Radioactive Waste Area | SEAD 012,48,72, 63, NRC License closeout |
| Contaminated Fill | SEAD 3, 9,4 | Sewage Treatment Plant | SEAD 20,21 |
| Contaminated Groundwater | SEAD 025,006, 001-R-01, 023, 064B&D, 041 | Small Arms Range | SEAD 57, 46, 120B,122A,122B |
| Contaminated Sediments | SEAD 4, 3, | Soil Contamination After Tank Removal | SEAD 59, |
| Contaminated Soil Piles | SEAD 5 | Spill Site Area | SEAD 122 |
| Dip Tank | | Storage Area | SEAD 123 |
| Disposal Pit/Dry Well | | Surface Disposal Area | |
| Explosive Ordnance Disposal Area | SEAD 23, 24, 006-R-01, 003-R-01, 007-R-01 | Training and Maneuver Area | |
| Fire/Crash Training Area | SEAD 025,026 | Underground Storage Tank | SEAD 27 |
| Firing Range | | Underground Tank Farm | |
| Incinerator | SEAD 006, 001-R-01,019, 018 | Unexploded Munitions/Ordnance | SEAD 115 |
| Industrial Discharge | | Wash rack | |
| Landfill | SEAD 006, 064 A,B&D, 011, | Waste Lines | |
| Maintenance Yard | SEAD 122 | Waste Treatment Plant | |
| Oil Water Separator | SEAD 27 | | |



ENCLOSURE 2

Seneca Army Depot Activity
Romulus, NY



FINAL
RECORD OF DECISION (ROD)
THE FIRE TRAINING AND DEMONSTRATION
PAD (SEAD 25) AND THE FIRE TRAINING PIT
AND AREA (SEAD 26)
SENECA ARMY DEPOT ACTIVITY

EPA Site ID# NY0213820830
NY Site ID# 8-50-006
CONTRACT NO. DACA87-95-D-0031
DELIVERY ORDER NO. 0029

September 2004

ENCL 2

1.0 DECLARATION OF THE RECORD OF DECISION

Site Name and Location

SITE

The Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26)

Seneca Army Depot Activity

CERCLIS ID# NY0213820830

Romulus, Seneca County, New York

Statement of Basis and Purpose

This decision document presents the U.S. Army's and EPA's selected remedy for soil and groundwater at SEAD-25 and SEAD-26, located at the Seneca Army Depot Activity (SEDA) near Romulus, New York. The decision was developed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended, 42 U.S.C. §9601 et seq. and, to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 CFR Part 300. The Base Realignment and Closure (BRAC) Environmental Coordinator; the Director of the National Capital Region Field Office, and the U.S. Environmental Protection Agency (USEPA) Region II have been delegated the authority to approve this Record of Decision (ROD); New York State Department of Environmental Conservation (NYSDEC) has concurred with the selected remedial action.

This ROD is based on the Administrative Record that has been developed in accordance with Section 113(k) of CERCLA. The Administrative Record is available for public review at the Seneca Army Depot Activity, Building 123, Romulus, NY. The Administrative Record Index identifies each of the items considered during the selection of the remedial action. This index is included in Appendix A.

The State of New York, through the NYSDEC and the New York State Department of Health (NYSDOH), has concurred with the Selected Remedy. The NYSDEC Declaration of Concurrence is provided in Appendix B of this ROD.

Site Assessment

The response action selected in this ROD is necessary to protect the public welfare and the environment from actual or threatened releases of hazardous substances into the environment or from actual or threatened releases of pollutants or contaminants from this site that may present an imminent and substantial endangerment to public health or welfare.

11.0. SELECTED REMEDY

SEAD-25

Site

While the goal of the remedial action is to have no residual contamination in soils above TAGM levels, remedial action success will be achieved when soils have been remediated to the level that eliminates an unacceptable risk to human health. Based on the evaluation of the various options, the U.S. Army recommends Alternative RA25-4R (Source Removal, Off-site Disposal, Long-Term Monitoring of Plume, and Sediment Removal) (Figures 6-1 and 6-2). The elements that compose the remedy include:

- Excavate soil at the source in an area approximately 60 feet by 100 feet to a depth of 6 feet (approximately 1,350 CY), as depicted in Figure 6-2;
- Excavate a volume of sediment approximately 780 feet long, 3 feet wide and 2 feet deep (approximately 175 CY) from the northwest ditch, as depicted in Figure 6-2;
- Dispose of excavated soils in an appropriate off-site facility;
- Dewater the excavation pit;
- Treat groundwater that is recovered during excavation and during dewatering of excavation pit with an on-site air stripper;
- Replace excavated soil with clean backfill and establish a ground cover to avoid soil erosion;
- Conduct groundwater monitoring of the plume until NYSDEC Class GA groundwater standards are achieved (approximately 10 years);
- Establish and maintain land use controls to prevent access to or use of groundwater until cleanup standards are met;
- Complete a review of the selected remedy every five-years (at minimum), in accordance with Section 121(c) of the CERCLA;
- Prepare a contingency plan that may include additional monitoring and air sparging of the plume, as necessary; and
- Once groundwater cleanup standards are achieved, the groundwater use restriction may be eliminated.

Remedy

Time

AC

The frequency of long-term monitoring will be detailed in the RD plan. The cleanup standards for groundwater at the site are NYSDEC Class GA groundwater standards, presented in Table I-1B. Until the contaminant levels in the groundwater meet the cleanup standards, a land use control (or institutional control) in the form of a groundwater use restriction will be a part of the remedy, as specified in the discussion of the remedy for SEAD-25.

A summary of the SEAD-25 and SEAD-26 Land Use Controls is provided below.

The present worth cost of this alternative is \$922,200. The capital cost and the O&M cost of RA25-4R are \$701,000 and \$221,200, respectively.

Estimate Summary Table Site # SEAD-025

| Site Number | Phase | CTC Subtotal (\$) | Estimate Type | Assumption /Estimate Source | Basis of Assumption | Document Name | Location of Document |
|---|-------|-------------------|----------------|---|---|---|--|
| SEAD 025 | LTM | 31,206 | Contract Price | Contract for GW monitoring, clearing and grubbing | TO 0023, CLIN 0004a; Job Order CIINs | Contract #: W912DY-09-D-0062, D.O. 0023 dated 30 June 2016; #W912DS-13-D-0005, Job Order Contract | HNC 1600 University Square Huntsville Al |
| | | | | Escalation Factor 2018 | 2018 Escalation rate | | |
| | LTM | 141,558 | IGE | Engineering Estimate | Engineering Estimate | Contract # W912DS-08-D-0005 TO 0008 | USACE NY 5786 State Route 96 Romulus, NY 14541 |
| | | | | | Contract Amounts 2018 Escalation Rates 2018 Labor Rates | | |
| | LTM | 3,537 | IGE | COE Oversight of Contract | CENAN Oversight Estimate, 2018 Labor Rates | 2018 Guidance Memo; Army Management System Rates | USACE NY 5786 State Route 96 Romulus, NY 14541 |
| Total cost to complete | | 176,301 | | | | | |
| Does the CTC estimate include work through site closure? (Yes/No) | | yes | | | | | |

Seneca Army Depot Cost Estimate
Site Closeout and Well Abandonment
SEAD 025

| TASK | UNITS | UNIT COST | NO. WELLS | Amount | FY17 Estimate | BASIS/DOCUMENTATION |
|------------------|-------------------------------|--------------|-----------------|--------------|----------------------|--|
| Well Abandonment | LS | \$ 5,223.00 | 7 Wells | \$ 36,561.00 | \$ 36,561.00 | W912DY-08-D-0003, TASK ORDER 0008, 6 wells @ \$31,398= \$5,223 |
| Closeout Report | LS | \$ 43,176.00 | | | \$ 43,176.00 | |
| | | | | | | |
| Assembly No. | Assembly Description | | FY17 Labor Rate | HRS | | |
| 33220101 | Senior Project Manager | \$ 283.79 | | 10 | \$ 2,837.90 | FY18 Data Call Memorandum |
| 33220102 | Project Manager | \$ 260.97 | | 20 | \$ 5,219.40 | FY18 Data Call Memorandum |
| 33220105 | Project Engineer | \$ 180.24 | | 40 | \$ 7,209.60 | FY18 Data Call Memorandum |
| 33220106 | Staff Engineer | \$ 237.31 | | 80 | \$ 18,984.80 | FY18 Data Call Memorandum |
| 33220108 | Project Scientist (Geologist) | \$ 196.24 | | 80 | \$ 15,699.20 | FY18 Data Call Memorandum |
| 33220110 | QA/QC Officer | \$ 186.09 | | 25 | \$ 4,652.25 | FY18 Data Call Memorandum |
| 33220112 | Field Technician | \$ 120.30 | | 60 | \$ 7,218.00 | FY18 Data Call Memorandum |
| | | | | | \$ 141,558.15 | |

4.5 Project Milestone Progress

Table 1
DO#23 - LTM PLAN FOR OB GROUNDS, FTA, AND VARIOUS SITES
Project Cost Summary
as of 25 May 2018

| Task | Description | Funded Fixed Price Costs* | Prior Cumulative Costs | Costs this Period | Total Costs to Date | Percent Budget Expended | Physical Percent Complete |
|---------------|--|---------------------------|------------------------|-------------------|---------------------|-------------------------|---------------------------|
| Task 1 | UFP-QAPP and QASP | \$7,063.20 | \$7,063.20 | \$0.00 | \$7,063.20 | 100% | 100% |
| Task 2 | GIS | \$3,908.96 | \$3,244.44 | \$469.08 | \$3,713.51 | 95% | 95% |
| Task 3a | (FY17) 1st Annual OB Grounds GW | \$21,453.84 | \$21,239.30 | \$0.00 | \$21,239.30 | 99% | 99% |
| Task 4a | (FY17) 1st Annual SEAD-25 GW | \$26,049.47 | \$24,226.01 | \$520.99 | \$24,747.00 | 95% | 95% |
| Task 5a | (FY17) 1st Annual Ash Landfill GW | \$51,594.03 | \$43,854.93 | \$1,547.82 | \$45,402.75 | 88% | 88% |
| Task 6 | Ash Landfill Biowall Recharge | \$440,038.65 | \$413,636.33 | \$0.00 | \$413,636.33 | 94% | 94% |
| Task 7a | (FY17) 1st Annual SEAD-16/17 GW | \$23,146.49 | \$0.00 | \$0.00 | \$0.00 | 0% | 0% |
| Task 8a | (FY17) 1st Annual LUC Inspection-Various | \$17,934.42 | \$0.00 | \$0.00 | \$0.00 | 0% | 0% |
| Task 8e | Monitoring of PFCs at Various Sites | \$142,081.00 | \$139,239.38 | \$0.00 | \$139,239.38 | 98% | 98% |
| Task 9a | (FY17) 1st Annual LUC Inspection-4 MRSs | \$5,895.00 | \$0.00 | \$0.00 | \$0.00 | 0% | 0% |
| Task 10 | Five-Year Review | \$27,488.41 | \$0.00 | \$0.00 | \$0.00 | 0% | 0% |
| Task 11 | Community Relations | \$13,379.36 | \$0.00 | \$0.00 | \$0.00 | 0% | 0% |
| TOTALS | | \$780,032.83 | \$652,503.58 | \$2,537.89 | \$655,041.47 | 84% | 84% |

Notes:

* Inclusive of Award Fee and Base funding.

ENCLOSURE 4

| ORDER FOR SUPPLIES OR SERVICES | | | | | | PAGE 1 OF 58 | |
|---|------------------------------------|--|------------------------------|---|---|--|-----------------|
| 1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W912DY-09-D-0062. | | 2. DELIVERY ORDER/ CALL NO. 0023 | | 3. DATE OF ORDER/ CALL (YYYYMMDD) 2016 Mar 30 | | 4. REQ. PURCH. REQUEST NO. W01RYO0080003 | |
| 6. ISSUED BY US ARMY ENGINEERING & SUPPORT CENTER CEHNC-C7 4820 UNIVERSITY SQUARE HUNTSVILLE AL 35816-1822 | | 7. ADMINISTERED BY (if other than 6) DIRECTORATE OF CONTRACTING - HNC ATTN: MICHELLE BLACKMON 266-805-2531 HUNTSVILLE AL 35816. | | 5. PRIORITY | | 8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER. (See Schedule if other) | |
| 9. CONTRACTOR NAME PARSONS GOVERNMENT SERVICES INC. MICHELLE SMITH AND 100 W WALNUT ST ADDRESS PASADENA CA 91124-0001 | | 10. DELIVER TO: FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE | | 11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED | | 12. DISCOUNT TERMS Net 30 Days | |
| 14. SHIP TO SEE SCHEDULE SEE SCHEDULE SEE SCHEDULE SEE SCHEDULE AA | | 15. PAYMENT WILL BE MADE BY US ARMY ENG & SUP CENTER - FINANCE OFFIC US ARMY CORPS OF ENGRS FINANCE CTR 5722 INTEGRITY DRIVE MILLINGTON TN 38054-5006 | | 13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15 | | MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2. | |
| 16. DELIVERY TYPE OF ORDER CALL <input checked="" type="checkbox"/> PURCHASE <input type="checkbox"/> | | This delivery order call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract. Reference your quote dated _____ Furnish the following on terms specified herein, REF: _____ | | | | | |
| ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME. | | | | | | | |
| Parsons Gov Services | | [Signature] | | DON MILLER, VP | | 3/30/16 | |
| NAME OF CONTRACTOR | | SIGNATURE | | TYPED NAME AND TITLE | | DATE SIGNED (YYYYMMDD) | |
| <input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: _____ | | | | | | | |
| 17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule | | | | | | | |
| 18. ITEM NO. | 19. SCHEDULE OF SUPPLIES/ SERVICES | | | 20. QUANTITY ORDERED/ ACCEPTED* | 21. UNIT | 22. UNIT PRICE | 23. AMOUNT |
| SEE SCHEDULE | | | | | | | |
| * If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle. | | | | 24. UNITED STATES OF AMERICA TEL: MULLADY.RICHARD.J.1090040282 EMAIL: BY: | | 25. TOTAL \$637,851.85 | 26. DIFFERENCES |
| 27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED | | | | | | | |
| b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | | c. DATE (YYYYMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | |
| e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | | 28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS: | |
| f. TELEPHONE NUMBER | | g. E-MAIL ADDRESS | | <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | 32. PAID BY | 33. AMOUNT VERIFIED CORRECT FOR | |
| 36. I certify this account is correct and proper for payment. | | | | 31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | | 34. CHECK NUMBER | |
| a. DATE (YYYYMMDD) | | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER | | 35. BILL OF LADING NO. | | | |
| 37. RECEIVED AT | | 38. RECEIVED BY | 39. DATE RECEIVED (YYYYMMDD) | 40. TOTAL CONTAINERS | 41. SR ACCOUNT NO | 42. SR VOUCHER NO. | |

Section A - Solicitation/Contract Form

AWARD NARRATIVE

Task Order 0023, which contains Firm Fixed-Price (FFP) tasks, is being issued to Parsons Government Services, Inc for Remedial Action at Seneca Army Depot Activity, Romulus, NY, EPA Site ID# NY0213820830, NY Site ID# 8-50-006 in accordance with Performance Work Statement Revision 2, dated March 24, 2016.

The period of performance is date of award through March 30, 2018.

US Department of Labor Wage Determination Number 15-2381, Revision 1, dated March 1, 2016 shall be used with project task order.

The Terms and Conditions of the basic contract, W912DY-09-D-0062 takes precedence in the case of any ambiguity or conflict.

This task order is awarded in the amount of \$1,211,190.20 of which \$637,951.83 is being funded at the time of award.

| Task | Description | Type | Amount | Total |
|------|--|------|------------|------------|
| 1 | UFP-QAPP and QASP | FFP | 7,063.20 | 7,063.20 |
| 2 | GIS | FFP | 3,908.96 | 3,908.96 |
| 2a | Optional, Additional GIS per FY | FFP | 1,525.90 | |
| 3 | Long Term Monitoring of The OB Grounds | FFP | | |
| 3a | (FY17) First Annual Groundwater Monitoring | FFP | 21,453.84 | 21,453.84 |
| 3b | Optional, (FY18) Second Annual Groundwater Monitoring | FFP | 21,457.76 | |
| 3c | Optional, (FY19) Third Annual Groundwater Monitoring | FFP | 21,461.68 | |
| 3d | Optional, (FY20) Fourth Annual Groundwater Monitoring | FFP | 21,465.59 | |
| 3e | Optional, (FY21) Fifth Annual Groundwater Monitoring | FFP | 21,469.51 | |
| 4 | Long Term Monitoring of the Fire Training and Demonstration Pad Area | FFP | | |
| 4a | (FY17) First Annual Groundwater Monitoring | FFP | 26,049.47 | 26,049.47 |
| 4b | Optional, (FY18) Second Annual Groundwater Monitoring | FFP | 26,080.17 | |
| 4c | Optional, (FY19) Third Annual Groundwater Monitoring | FFP | 26,110.87 | |
| 4d | Optional, (FY20) Fourth Annual Groundwater Monitoring | FFP | 26,141.57 | |
| 4e | Optional, (FY21) Fifth Annual Groundwater Monitoring | FFP | 26,172.27 | |
| 5 | Long Term Monitoring of the Ash Landfill Operable Unit | FFP | | |
| 5a | (FY17) First Annual Groundwater Monitoring | FFP | 51,594.03 | 51,594.03 |
| 5b | Optional, (FY18) Second Annual Groundwater Monitoring | FFP | 51,686.28 | |
| 5c | Optional, (FY19) Third Annual Groundwater Monitoring | FFP | 51,778.54 | |
| 5d | Optional, (FY20) Fourth Annual Groundwater Monitoring | FFP | 51,870.79 | |
| 5e | Optional, (FY21) Fifth Annual Groundwater Monitoring | FFP | 51,963.04 | |
| 6 | Ash Landfill Operable Unit Biowall Recharge | FFP | 440,038.65 | 440,038.65 |
| 7 | Long Term Monitoring of the Deactivation Furnaces Operable Unit | FFP | | |
| 7a | (FY17) First Annual Groundwater Monitoring | FFP | 23,146.49 | 23,146.49 |
| 7b | Optional, (FY18) Second Annual Groundwater Monitoring | FFP | 23,178.47 | |
| 7c | Optional, (FY19) Third Annual Groundwater Monitoring | FFP | 23,210.46 | |
| 7d | Optional, (FY20) Fourth Annual Groundwater Monitoring | FFP | 23,242.44 | |
| 7e | Optional, (FY21) Fifth Annual Groundwater Monitoring | FFP | 23,274.43 | |
| 8 | Monitoring of LUCs at Various Sites | FFP | | |
| 8a | (FY17) First Annual Monitoring Event | FFP | 17,934.42 | 17,934.42 |



| | | | | |
|-----|---|---------------|-----------------------|---------------------|
| 8b | Optional, (FY18) Second Annual Monitoring Event | FFP | 17,934.42 | |
| 8c | Optional, (FY19) Third Annual Monitoring Event | FFP | 17,934.42 | |
| 8d | Optional, (FY20) Fourth Annual Monitoring Event | FFP | 17,934.42 | |
| 9 | Monitoring of LUCs at Various Munition Sites | FFP | | |
| 9a | (FY17) First Annual Monitoring Event | FFP | 5,895.00 | 5,895.00 |
| 9b | Optional, (FY18) Second Annual Monitoring Event | FFP | 5,895.28 | |
| 9c | Optional, (FY19) Third Annual Monitoring Event | FFP | 5,895.28 | |
| 9d | Optional, (FY20) Fourth Annual Monitoring Event | FFP | 5,895.28 | |
| 10 | Five-year Review | FFP | 27,488.41 | 27,488.41 |
| 11 | Community Relations Support | FFP | 13,379.36 | 13,379.36 |
| 11a | Optional, Additional Meetings | FUP | 8,646.02 | |
| 12 | Optional, Administrative Record | FFP | 1,013.48 | |
| | | Totals | \$1,211,190.20 | \$637,951.83 |

- Restore all areas to their original condition; all access/excavation/detonation holes shall be backfilled.
- **Hazardous Waste (HW) / Investigative-Derived Waste (IDW) Disposal:** The Contractor shall collect, secure, store, and arrange for disposal of hazardous waste, and decontamination wastes, etc. generated as a result of field activities. The HW/IDW containers shall be staged, secured, labeled, sampled and analyzed (if required) IAW the approved work plan. The Contractor shall recommend appropriate disposal actions for all waste items. The Contractor shall perform the HW disposal in a timely manner.
- The contractor shall propose on the sampling rationale, and methods that will be utilized to ensure that data generated are of an acceptable quality for its intended use. The contractor shall also propose on the quantity, quality and the methods used to verify adherence to the PARCCS parameters for sample collection, handling, laboratory analysis, verification and validation. The contractor shall propose processes that will be utilized to address the corrective actions when established criteria are not being met. Any deviations from the accepted SAP shall be documented in the Daily Quality Control Reports (DQCR) and conveyed to USAESCH personnel immediately.
- Inspection of vegetative cap, drainage swales and Reeder Creek should assess if there is evidence that soil/sediment/or debris from the OB Grounds is migrating to Reeder Creek.
- Assess the physical condition of each water well.
- The Contractor shall sample and analyze the water quality at all wells
- Recommendation of any changes (e.g. changing frequency of data collection for the OB Grounds LTM Plan, development of a sediment monitoring program, etc.) that are proposed for implementation for the OB Grounds LTM Plan.
- **Project Management:** The contractor shall manage the delivery order in accordance with the basic contract statement of work. All project management associated with the delivery order, with the exception of the direct technical oversight of the work described in the preceding tasks, shall be accounted for in this task.

3.4 Task 4, (CLIN 0004) DESCRIPTION OF SERVICES FOR LONG TERM MONITORING OF THE FIRE TRAINING AND DEMONSTRATION PAD AREA: This is a firm fixed price task.

Objective: Conduct a RA in accordance with the accepted UFP-QAPP, SAP, Seneca LTM Plan and all applicable standards such that the objective of this PWS is met. The RA shall include annual ground water monitoring to include water level and water quality monitoring and preparation of annual report summarizing the results of each annual event.

3.4.1 Task 4a, CLIN 0004a (FY17) FIRST ANNUAL GROUNDWATER MONITORING EVENT. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.2 Task 4b, (Optional) (CLIN 0004b (FY18)) SECOND ANNUAL GROUNDWATER MONITORING EVENT. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.3 Task 4c, (Optional) (CLIN 0004c, (FY19)) THIRD ANNUAL GROUNDWATER MONITORING EVENT. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.4 Task 4d, (Optional) (CLIN 0004d, (FY20)) FOURTH ANNUAL GROUNDWATER MONITORING EVENT. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.5 Task 4e, (Optional) (CLIN 0004e, (FY21)) FIFTH ANNUAL GROUNDWATER MONITORING EVENT. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.6 All subtasks listed above shall meet the following:

3.4.7 Performance Standard: Field work, quality, and analysis of said data shall meet the following standards:

- QC deliverables and QA inspections/review demonstrate that the work was performed in accordance with the UFP-QAPP, SAP, Seneca LTM Plan, applicable laws, regulations, and guidance documents.

3.4.8 AC: Conduct the RA in accordance with the accepted/approved UFP-QAPP, and Seneca LTM Plan. QC data submitted meets requirements described in the most recent geophysics and chemistry DIDs;

- No more than 3-4 CARs/948s for non-critical violations and/or 1 CAR/948 for critical violation. No unresolved corrective action requests.

- All final data and QC tests/documentation submitted. Government QA acceptance of QC tests/documentation gained.

- No Class "A" Safety accidents, contractor at fault; No Class "B", contractor at Fault, no more than 1 non-explosive Class "C" accident; and <2 non-explosive related Class "D" accidents, IAW AR 385-40.

- Major safety violations, no more than 1 non-explosive related safety violation.

- Minor safety violations, no more than 2 safety violations.

- Zero letters of reprimand, grievances, or formal complaints

3.4.9 Measurement / Monitoring: Periodic inspection/review of field work. Verify compliance with accepted UFP-QAPP and SAP and Seneca LTM Plan. Quality control tests/documentation submitted per the QASP for government review.

3.4.10 Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

3.4.11 Specific Task Requirements:

- Restore all areas to their original condition; all access/excavation/detonation holes shall be backfilled.

- **Hazardous Waste (HW) / Investigative-Derived Waste (IDW) Disposal:** The Contractor shall collect, secure, store, and arrange for disposal of hazardous waste, and decontamination wastes, etc. generated as a result of field activities. The HW/IDW containers shall be staged, secured, labeled, sampled and analyzed (if required) IAW the approved work plan. The Contractor shall recommend appropriate disposal actions for all waste items. The Contractor shall perform the HW disposal in a timely manner.

- The contractor shall propose on the sampling rationale, and methods that will be utilized to ensure that data generated are of an acceptable quality for its intended use. The contractor shall also propose on the quantity, quality and the methods used to verify adherence to the PARCCS parameters for sample collection, handling, laboratory analysis, verification and validation. The contractor shall propose processes that will be utilized to address the corrective actions when established criteria are not being met. Any deviations from the accepted SAP shall be documented in the Daily Quality Control Reports (DQCR) and conveyed to USAESCH personnel immediately.

- Assess the physical condition of each water well.

- The Contractor shall sample and analyze the water quality at all wells

- Prepare annual report that summarizes data and analyses data for trends.

- Recommendation of any changes (e.g. changing frequency of data collection for the LTM Plan, groundwater well repairs, etc.) that are proposed for implementation for the LTM Plan.

- **Project Management:** The contractor shall manage the delivery order in accordance with the basic contract statement of work. All project management associated with the delivery order, with the exception of the direct technical oversight of the work described in the preceding tasks, shall be accounted for in this task.

ORDER FOR SUPPLIES OR SERVICES

| | | | | |
|---|--|--|--|-------------|
| 1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W912DS-13-D-0005 | 2. DELIVERY ORDER/ CALL NO. W912DS17F0011 | 3. DATE OF ORDER/CALL (YYYYMMDD) 2017 Jun 09 | 4. REQ / PURCH. REQUEST NO W18ROE71002034 | 5. PRIORITY |
|---|--|--|--|-------------|

| | | | |
|---|----------------|---|----------------|
| 6. ISSUED BY US ARMY CORPS OF ENGINEERS, NEW YORK 26 FEDERAL PLAZA, RM 1843 NEW YORK NY 10278-0090 | CODE W912DS | 7. ADMINISTERED BY (if other than 6) SENECA - US ARMY ENGINEER DISTRICT, NY SENECA ARMY DEPOT BLDG 139 ROMULUS NY 14541-5010 | CODE 9523A6 |
| 8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other) | | | |

| | | | | |
|--|---------------|----------|---|---|
| 9. CONTRACTOR WELCH CONSTRUCTION INC. NAME MARK WELCH AND 4331 SLATE HILL RD ADDRESS MARCELLUS NY 13108-8511 | CODE 52B94 | FACILITY | 10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE | 11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED |
| | | | 12. DISCOUNT TERMS Net 30 Days | 13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15 |

| | | | | |
|---|----------------|---|----------------|--|
| 14. SHIP TO SENECA - US ARMY ENGINEER DISTRICT, NY RANDY BATTAGLIA SENECA ARMY DEPOT BLDG 139 ROMULUS NY 14541-5010 | CODE 9523A6 | 15. PAYMENT WILL BE MADE BY USACE, FINANCE CENTER MILLINGTON ATTN: CEFC-AO-P, ACCOUNTS PAYABLE BRANCH 5722 INTEGRITY DRIVE MILLINGTON TN 38054-5005 | CODE 984145 | MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2. |
|---|----------------|---|----------------|--|

| | | | |
|---|----------------|-------------------------------------|---|
| 16. TYPE OF ORDER | DELIVERY/ CALL | <input checked="" type="checkbox"/> | This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract. |
| | PURCHASE | <input type="checkbox"/> | Reference your quote dated |
| Furnish the following on terms specified herein. REF: | | | |

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

WELCH CONSTRUCTION
 D. ARNOLD
 V.P.
 6-9-17
 NAME OF CONTRACTOR SIGNATURE TYPED NAME AND TITLE DATE SIGNED (YYYYMMDD)

If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

| 18. ITEM NO. | 19. SCHEDULE OF SUPPLIES/ SERVICES | 20. QUANTITY ORDERED/ ACCEPTED* | 21. UNIT | 22. UNIT PRICE | 23. AMOUNT |
|---------------------|------------------------------------|---------------------------------|----------|----------------|------------|
| SEE SCHEDULE | | | | | |

| | | | |
|--|--|--|---------------------------|
| * If quantity accepted by the Government is same as quantity ordered, indicate by X. If differs, enter actual quantity accepted below quantity ordered and encircle. | 24. UNITED STATES OF AMERICA TEL: 917-790-8069 EMAIL: nicholas.p.emmanuel@usace.army.mil BY: NICHOLAS P EMANUEL | | 25. TOTAL \$167,427.24 |
| | | | 26. DIFFERENCES |

27a. QUANTITY IN COLUMN 20 HAS BEEN
 INSPECTED
 RECEIVED
 ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

| | | |
|--|-----------------------|---|
| b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE |
|--|-----------------------|---|

| | | | |
|--|--------------|--------------------|--------------|
| e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | 28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS |
|--|--------------|--------------------|--------------|

| | | | | |
|---------------------|-------------------|--|-------------|---------------------------------|
| f. TELEPHONE NUMBER | g. E-MAIL ADDRESS | <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | 32. PAID BY | 33. AMOUNT VERIFIED CORRECT FOR |
|---------------------|-------------------|--|-------------|---------------------------------|

| | | | |
|---|--|--|------------------------|
| 36. I certify this account is correct and proper for payment. | | 31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | 34. CHECK NUMBER |
| a. DATE (YYYYMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER | | 35. BILL OF LADING NO. |

| | | | | | |
|-----------------|-----------------|---------------------------------|----------------------|---------------------|---------------------|
| 37. RECEIVED AT | 38. RECEIVED BY | 39. DATE RECEIVED (YYYYMMDD) | 40. TOTAL CONTAINERS | 41. S/R ACCOUNT NO. | 42. S/R VOUCHER NO. |
|-----------------|-----------------|---------------------------------|----------------------|---------------------|---------------------|

EAC 1

Section 00010 - Solicitation Contract Form

DELIVERY INFORMATION

| CLIN | DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | DODAAC / CAGE |
|------|-----------------------------------|----------|---|---------------|
| 0001 | POP 09-JUN-2017 TO 24-JUL-2017 | N/A | SENECA - US ARMY ENGINEER DISTRICT, NY RANDY BATTAGLIA SENECA ARMY DEPOT BLDG 139 ROMULUS NY 14541-5010 607-869-1523 FOB: Destination | 9623A6 |

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

| CLIN | INSPECT AT | INSPECT BY | ACCEPT AT | ACCEPT BY |
|------|-------------|------------|-------------|------------|
| 0001 | Destination | Government | Destination | Government |

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|--------------|--------------|
| 0001 | REPLACE BLDG 114 ROOF FFP Replace Roof at Bldg. 114, Seneca Army Depot Activity in accordance with the Scope of Work for this Job Order and the terms, conditions and specifications of the Basic Contract. | 1 | Job | \$167,427.24 | \$167,427.24 |

FOB: Destination
MILSTRIP: W16ROE71002034
PURCHASE REQUEST NUMBER: W16ROE71002034

NET AMT \$167,427.24

ACRN AA \$167,427.24
CIN: W16ROE710020340001

Section 00800 - Special Contract Requirements

ACCOUNTING AND APPROPRIATION DATA

AA: 97X051660C1 088011 3230398II293CB50000000 NA 19016
AMOUNT: \$167,427.24

| ACRN | CLIN/SLIN | CIN | AMOUNT |
|------|-----------|--------------------|--------------|
| AA | 0001 | W16ROE710020340001 | \$167,427.24 |

SCOPE OF WORK

- 1) Provide all materials, labor and equipment necessary to replace approximately 12,000 SF membrane roof on Building 114, Seneca Army Depot. Required work effort includes, but is not limited to the following:
 - a) Demolition/removal of existing built-up membrane roofing. Demolition, removal and replacement of water damaged fascia, wood blocking, plywood and/or joists as needed due to water damage. Structurally sound tongue and groove planking may remain in place. Dispose of all demolition debris off Government property.
 - b) Install new insulated (R 10.87 min.) single-ply EPDM, 60 Mil, fully adhered membrane roofing over repaired structural substrate. Include all protection board, perimeter flashings, and misc. materials necessary for a complete installation.
 - c) Repair/replace flashing around three furnace vents. Remove other vents and cover the holes with plywood.
- 2) Submit all product data and work plans to the Government for approval prior to beginning work.
- 3) All work shall be completed within 45 calendar days from date of delivery order execution.

From: [Sweet, Melissa L \(DEC\)](#)
To: [Vazquez, Julio](#); [Battaglia, Randall W CIV USARMY CENAN \(US\)](#)
Cc: [Doss, Amy L CIV USARMY CEHNC \(US\)](#); [Badik, Beth](#); [Belanger, Todd](#); [Pommerenck, Derek A CIV USARMY CFSAS \(US\)](#)
Subject: [EXTERNAL] RE: SEAD 25 annual monitoring
Date: Monday, November 14, 2016 8:03:39 AM

Randy,
The DEC agrees with EPA on this decision.

Melissa

-----Original Message-----

From: Vazquez, Julio [<mailto:Vazquez.Julio@epa.gov>]
Sent: Thursday, November 10, 2016 3:13 PM
To: Battaglia, Randy W NAN02 <Randy.W.Battaglia@usace.army.mil>; Sweet, Melissa L (DEC) <melissa.sweet@dec.ny.gov>
Cc: Doss, Amy L HNC <Amy.L.Doss@usace.army.mil>; Badik, Beth <Beth.Badik@parsons.com>; Belanger, Todd <Todd.Belanger@parsons.com>
Subject: RE: SEAD 25 annual monitoring

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Randy,

After talking to Rob, EPA is of the position that groundwater monitoring at SEAD-25 should continue. The exceedances detected in 2014 are still of concern, and the relationship between saturated thickness of the impacted soil versus the groundwater monitoring results shows a link. There is insufficient sampling data to ensure that the groundwater will not show impact as the water levels rise and fall.

Note that we are still reviewing the Draft 2016 LTM Annual Report and additional comments/observations are forthcoming.

Julio F Vazquez
Remedial Project Manager
USEPA Region 2
Special Projects Branch
New York

-----Original Message-----

From: Battaglia, Randy W NAN02 [<mailto:Randy.W.Battaglia@usace.army.mil>]
Sent: Friday, October 28, 2016 9:06 AM
To: Vazquez, Julio <Vazquez.Julio@epa.gov>; Melissa Sweet (Melissa.Sweet@dec.ny.gov) <Melissa.Sweet@dec.ny.gov>
Cc: Doss, Amy L HNC <Amy.L.Doss@usace.army.mil>; Badik, Beth <Beth.Badik@parsons.com>; Belanger, Todd <Todd.Belanger@parsons.com>
Subject: SEAD 25 annual monitoring

Julio/Melissa,

A note, with the exception of PFC/PFOAs, SEAD 25 needs your and Rob's evaluation of discontinuation of LTM (or continued, or similar to SEAD 16,17).

ENC 7

PS we are very close to awarding the PFC/PFOA mod, any day now, Parsons will add a revision to the QUAPP specific for PFC/PFOAs, and prepare a workplan.

Randy

Randy Battaglia, PMP

Project Manager

Seneca AD BRAC Environmental Coordinator/Caretaker New York District CENAN-PP-E

607-869-1523 (desk)

From: Vazquez, Julio
To: [Battaglia, Randall W CIV USARMY CENAN \(US\)](mailto:Battaglia, Randall W CIV USARMY CENAN (US)); [Melissa Sweet \(Melissa.Sweet@dec.ny.gov\)](mailto:Melissa.Sweet@dec.ny.gov)
Cc: [Doss, Amy L CIV USARMY CEHNC \(US\)](mailto:Doss, Amy L CIV USARMY CEHNC (US)); Badik, Beth; Belanger, Todd; [Pommerenck, Derek A CIV USARMY CESAS \(US\)](mailto:Pommerenck, Derek A CIV USARMY CESAS (US))
Subject: [EXTERNAL] RE: SEAD 25 annual monitoring
Date: Monday, November 14, 2016 8:15:29 AM

Thanks Randy.

I think you present a reasonable request, we just need more data. Perhaps we may reassess the discontinuing of GW monitoring after a year or two.

Julio F Vazquez
Remedial Project Manager
USEPA Region 2
Special Projects Branch
New York

-----Original Message-----

From: Battaglia, Randall W CIV USARMY CENAN (US) [<mailto:Randy.W.Battaglia@usace.army.mil>]
Sent: Monday, November 14, 2016 7:45 AM
To: Vazquez, Julio <Vazquez.Julio@epa.gov>; Melissa Sweet (Melissa.Sweet@dec.ny.gov) <Melissa.Sweet@dec.ny.gov>
Cc: Doss, Amy L CIV USARMY CEHNC (US) <Amy.L.Doss@usace.army.mil>; Badik, Beth <Beth.Badik@parsons.com>; Belanger, Todd <Todd.Belanger@parsons.com>; Pommerenck, Derek A CIV USARMY CESAS (US) <Derek.Pommerenck@usace.army.mil>
Subject: RE: SEAD 25 annual monitoring

Julio,

Thank you for your review. We will continue funding for monitoring on this basis.

In reviewing the 2016 annual report, and in evaluation of decreasing or eliminating monitoring, please note we had performed a source removal of the limited plume area, and there is a groundwater LUC.

This may justify changes, given the values are near the limits, but either way it is your call of course.

Thanks again, I need this input for justification.

Randy
Randy Battaglia, PMP
Project Manager
Seneca AD BRAC Environmental Coordinator/Caretaker New York District CENAN-PP-E
607-869-1523 (desk)

-----Original Message-----

From: Vazquez, Julio [<mailto:Vazquez.Julio@epa.gov>]
Sent: Thursday, November 10, 2016 3:13 PM
To: Battaglia, Randall W CIV USARMY CENAN (US) <Randy.W.Battaglia@usace.army.mil>; Melissa Sweet (Melissa.Sweet@dec.ny.gov) <Melissa.Sweet@dec.ny.gov>
Cc: Doss, Amy L CIV USARMY CEHNC (US) <Amy.L.Doss@usace.army.mil>; Badik, Beth <Beth.Badik@parsons.com>; Belanger, Todd <Todd.Belanger@parsons.com>
Subject: [EXTERNAL] RE: SEAD 25 annual monitoring

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Remedial Project Manager
USEPA Region 2
Special Projects Branch
New York

-----Original Message-----

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Sent: Friday, October 28, 2016 9:06 AM
To: Vazquez, Julio <Vazquez.Julio@epa.gov>; Melissa Sweet (Melissa.Sweet@dec.ny.gov) <Melissa.Sweet@dec.ny.gov>
Cc: Doss, Amy L HNC <Amy.L.Doss@usace.army.mil>; Badik, Beth <Beth.Badik@parsons.com>; Belanger, Todd <Todd.Belanger@parsons.com>
Subject: SEAD 25 annual monitoring

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Randy
Randy Battaglia, PMP
Project Manager
Seneca AD BRAC Environmental Coordinator/Caretaker New York District CENAN-PP-E
607-869-1523 (desk)