

MEMORANDUM FOR RECORD

Date: 31 March 2015

SUBJECT: Environmental Liabilities for site SEAD-003-R-01, Former EOD Range (alias SEAD-57) and the 3.5" Rocket Range (alias SEAD-46) at Seneca Army Depot

This memorandum serves as formal documentation of the information used to develop the Cost-To-Complete (CTC) estimate for site SEAD 003-R-01 during the 2015 data call. Estimators experience is documented on the Estimator Experience Form, per the Financial Accounting Standards Board Handbook (FASB) Technical Release 2. The DRAFT Record of Decision is used to document site requirements and cost. LUC review will occur annually for 30 years. Five-year reviews start in FY 2021. A separate annual review will not occur in years of five-year review.

Site History: This range consists of three separate areas: EOD Area 1, the Demolition Range (SEAD-057), and the 3.5" Function Test Range (SEAD 46). EOD Area 1 occupies 194 acres at the northwest corner of SEDA and was used from 1941 until 1995. The Function Test Range is in the eastern portion of SEDA and covers 45 acres. A 2001 engineering evaluation/cost analysis (EE/CA) revealed scrap, but no unexploded ordnance (UXO).

An ordnance removal action was performed in 2008. At EOD Area 1(SEAD 57), 2 each MK II hand grenades and 2 each 37 MM fused and unfired projectiles and 2ea 20 mm rounds were found to be MEC. No MEC was found at the Function Test Range (SEAD 046).

Current Site Status: SEAD-003-R-01, Former EOD Range (alias SEAD-57) and the 3.5" Rocket Range (alias SEAD-46) A LUC (for ordnance) Draft PRAP and Draft ROD have been proposed. The EPA and DOD are in discussions regarding how to determine unacceptable risk from sites where limited or no MEC is found. Included in the PRAP and ROD are sites SEAD 002-R-01 and SEAD 007-R-01. The EPA and DOD started discussions in 2011 regarding the use of land use controls on MMR sites. As a result, the PRAP and ROD have been delayed.

To document the environmental liability of this site, the cost to complete the PRAP and ROD for SEAD 12 in Task Order 13 Amendment 3 of contract W912DY-08-D-003-0013 (Enclosure 5) is used. This is an actual cost for a similar effort. In the SEAD 12 project, the Draft PRAP was prepared and then a multi-year delay occurred when EPA and the Army had discussions. The amendment required the contractor to complete the PRAP and ROD. The work

included the public meeting required for the PRAP. Since this amendment is dated 15 July 2014, and per the Financial Accounting Standards Board Handbook (FASB) Technical Release 2, the appropriate escalation factor is applied to the actual cost.

Exit Strategy: Land use controls are expected to be required restricting residential activity. The LUC will be in perpetuity however costing is estimated for 30 years per the Financial Accounting Standards Board Handbook (FASB) Technical Release 2. Upon approval/acceptance of the ROD, this site will be incorporated into SEAD 009 as part of the installation LUC review and the 5 Year review.

Assumptions: The US Army Corps of Engineers will manage the contracting and oversight of the PRAP and ROD. The RACER Default value of 11 percent for the Cost to Owner was determined to be appropriate and consistent with estimating projects.

RACER Assumptions:

Site Closeout Documentation (LTM phase):

1. Site Closeout is moderate complexity
2. Kick-off, review and regulatory meetings included
3. Work Plans and reports-- all RACER default values
4. Documents (16 Boxes) will be stored for 30 years

Enclosures:

1. DRAFT Record of Decision, dated February 2012.
2. Owner cost from RACER
3. Bureau of Economic Analysis for Escalation Factors
4. Estimators Experience Form
5. Contract W912DY-08-D-003-0013 amendment #3
6. Estimate Summary Table

Phase: LTM will be an Institutional Control.


**Cost Summary SEAD-003-R-01
(SEAD-46/57)**

PRAP and ROD (ENCL 5)		
PRAP	\$15,528.12	
Public Meeting	\$10,209.29	
ROD	\$24,618.37	
Subtotal	\$50,355.78	
Escalation factor For FY 14 (Enclosure 3) 1.0184 (50355.78 X 1.0184= \$51,282.33 Rounded to \$51,282)		
SUBTOTAL		\$51,282
LTM		
Land Use Control – 12,000/yr (Source 1) 24 years	\$288,000	
5-year Review (Source 1) \$75,000/event x 6 events	\$450,000	
SUBTOTAL	\$738,000	
Escalation of FY 2012 Cost (source 3) Escalation rate 1.0388 \$738,000X1.0388= \$766,634.4 (rounded to \$766,634)		\$766,634
Owner support cost (Source 2) 11% PRAP, ROD, LUC Review & 5-year Review 766,634 + 51,282 x 0.11 = \$89,970.80 (rounded to \$89,971)		\$89,971
Site Closeout (RACER)		\$40,428
Total Cost		\$948,315

Material Change: yes

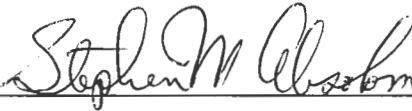
Reason: PRAP and ROD cost were added in the estimate.

Prepared by: Randall Battaglia
Cost Estimator


Signature


Date

Reviewed by: Stephen M. Absolom
Cost Estimate Reviewer


Signature


Date

DRAFT
RECORD OF DECISION

FOR

Sites

SWMUs SEAD-46, SEAD-57, SEAD-007-R-01, SEAD-002-R-01 and SEAD-70

SENECA ARMY DEPOT ACTIVITY
ROMULUS, NEW YORK

Prepared for:

SENECA ARMY DEPOT ACTIVITY
5786 STATE ROUTE 96
ROMULUS, NEW YORK 14541

and

AIR FORCE CENTER FOR ENGINEERING AND THE ENVIRONMENT
3300 SIDNEY BROOKS, BUILDING 532
BROOKS CITY-BASE, TX 78235-5122

Prepared By:

Parsons
100 High St., 4th Floor
Boston, Massachusetts 02110

Contract Number: FA8903-04-D-8675

Task Order: 0031

CDRL: A001C

EPA Site ID: NY0213820830; NY Site ID: 8-50-006

February 2012

ENCL 1

1.0 DECLARATION OF THE RECORD OF DECISION

Name and Location of Areas of Concern (AOCs)

Former 3.5-inch Rocket Range (SEAD-46)

Former Explosive Ordnance Disposal (EOD) Range (SEAD-57)

Former Building T-2110, Filled Area (SEAD-70)

Former EOD Area 2 and the former EOD Area 3 (both part of SEAD-002-R-001)

Former Grenade Range (SEAD-007-R-01)

Seneca Army Depot Activity

5786 State Route 96

Romulus, New York 14541

EPA Site ID: NY0213820830; NY Site ID: 8-50-006

Statement of Basis and Purpose

This Record of Decision (ROD) documents the U.S. Army's (Army's) and the U.S. Environmental Protection Agency's (EPA's) selection of a remedy for five historic solid waste management units (SWMUs) and Areas of Concern (AOCs) SEAD-46, SEAD-57, SEAD-70, SEAD 002-R-01, and SEAD 007-R-01 at the former Seneca Army Depot Activity (SEDA or Depot), located in Seneca County, New York, shown in **Figure 1-1**. The remedy selected for each of the identified AOCs was chosen in accordance with the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended, 42 U.S.C. Section 9601, *et seq.* and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 CFR Part 300. The Base Realignment and Closure (BRAC) Environmental Coordinator, the Chief of the Consolidations Branch, BRAC Division, and the Director of Emergency and the Director of the Remedial Response Division of EPA Region II have been delegated the authority to approve this ROD.

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, 5786 State Route 96, Building 123, Romulus, NY 14541. The Administrative Record Index identifies each of the items considered during the selection of the remedial actions. This index is included in **Appendix A**.

The State of New York, through the New York State Department of Environmental Conservation (NYSDEC), has concurred with the selected remedies identified in this ROD. The NYSDEC Declaration of Concurrence is provided in **Appendix B** of this ROD.

AOCs Assessment

Four of the identified AOCs (i.e., SEAD-46, SEAD-57, SEAD-002-R-01, and SEAD-007-R-01) were subjects of a Munitions Response and CERCLA Closure action which included munitions and ordnance detection and removal activities followed by environmental sampling and analysis to assess residual levels of hazardous substance, contaminants, and pollutants present at the sites. An interim soil removal action followed by a focused confirmatory environmental sampling and analysis program was conducted at SEAD-70 to eliminate hazardous substances identified during an earlier Expanded Site Investigation (ESI) and risk

Description of the Selected Remedy

The selected remedy for SEAD-70 (Building T2110 – Filled Area) is No Further Action (NFA). This selection is based on the Army's and EPA's determination that this AOC does not pose a significant threat to human health or the environment. The location of SEAD-70 is shown in **Figure 1-2**.

The selected remedies for the former 3.5-inch Rocket Range (SEAD-46), the former EOD Range (SEAD-57), former EOD Areas 2 and EOD Area 3 (both part of SEAD-002-R-001), and the former Grenade Range (SEAD-007-R-01) are to implement, maintain, and monitor land use controls (LUCs) that prohibit the use of the property for residential housing, elementary and secondary schools, childcare facilities, or playgrounds. Current characterizations of the environmental media in the four munitions response AOCs indicates that residual levels of hazardous substances, and other chemical pollutants and contaminants are not sufficient to warrant any further mitigation or remediation efforts. The locations of SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 are also shown in **Figure 1-2**.

As the selected remedies for SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 do not allow unrestricted use and unlimited exposures, the Army or its successors will be required to complete a review of the selected remedies at least once every 5 years, in accordance with Section 121(c) of the CERCLA.

The common LUC performance objectives for SEADs 46, 57, 002-R-01, and 007-R-01 are to prohibit the use of the land within the AOCs for residential housing, elementary and secondary schools, childcare facilities, or playground activities.

The Army shall implement, maintain, inspect, report on, and enforce the remedies described in this ROD. This ROD selects as the remedy for SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 LUCs (i.e., residential land use limitations) to be imposed by an environmental easement at the time when land comprising SEAD-46, SEAD-57, SEAD 002-R-01, or SEAD 007-R-01 is transferred from Army ownership to another party, as well as the prohibition of any pre-transfer use inconsistent with the LUCs. Although the Army may later transfer these responsibilities to another party, the Army shall retain ultimate responsibility for remedy integrity.

To implement the LUC remedies selected in this ROD, a LUC Remedial Design plan (LUC RD) will be prepared which will provide for the recording of an environmental easement which is consistent with Paragraphs (a) and (c) of the New York State Environmental Conservation Law (ECL) Article 27, Section 1318: Institutional and Engineering Controls. In compliance with the State's ECL, the Army will grant an environmental easement for SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01, consistent with Section 27-1318(b) and Article 71, Title 36 of ECL, in favor of the State of New York, which will be recorded at the time of the property's transfer from Federal ownership and which will require the owner and/or any person responsible for implementing the LUCs set forth in this ROD to periodically certify that such institutional controls are in place. The Army and the EPA will be identified in the environmental easement. A schedule for completion of the draft SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 LUC RD Plan will be completed within 21 days of the ROD signature, consistent with Section 14.4 of the Federal Facilities Agreement (FFA). To implement the remedy prior to transfer,

the Army, as the owner and operator of the property at SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01, will ensure that the LUCs are implemented by monitoring the property at SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 and restricting development or use on this property if inconsistent with the LUCs.

State Concurrence

NYSDEC forwarded to EPA a letter of concurrence regarding the selected remedy for SEAD-46, SEAD-57, SEAD-70, SEAD 002-R-01, and SEAD 007-R-01 (pending). This letter of concurrence has been placed in **Appendix B**.

Declaration

The remedies selected in this ROD are, as required by CERCLA and the NCP, protective of human health and the environment; cost effective; compliant with applicable or relevant and appropriate requirements, criteria or limitations promulgated under federal or state laws (ARARs) unless waived; and, use permanent solutions, alternative treatment technologies, and resource recovery options to the maximum extent possible. CERCLA and the NCP also state a preference for treatment as a principal element for the reduction of toxicity, mobility, or volume of the hazardous substances.

The remedies identified for SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 are recommended because there is a potential that MEC may remain undetected at the sites at locations that could not be identified using currently available geophysical and intrusive investigative and clearance technologies. A review of the AOCs and the selected remedies will be conducted within five years after the signing of this ROD to ensure that the remedy is, or will be, protective of human health and the environment, with consideration given to each AOC's continuing and planned future use.

The remedy identified for SEAD-70 does not result in hazardous substances and pollutants or contaminants remaining on-site. The selected remedy for SEAD-70 (NFA) is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. The remedy uses permanent solutions. Insofar as contamination does not remain at this AOC at concentrations above levels that provide for unrestricted use and unlimited exposure, institutional controls and five-year reviews are not necessary.

The estimated cost associated with implementing, monitoring, assessing and reporting on the continued suitability of the actions selected for SEADs 46, 57, 002-R-01, and 007-R-01 is \$310,700 in total. There are no estimated costs for the implementation of the remedy selected (i.e., NFA) for SEAD-70.

7.0 SELECTED REMEDY

SEAD-57, SEAD-46, SEAD 007-R-01, and SEAD 002-R-001

Based on the results of the investigations and risk assessment completed for the site, the Army has selected to impose, maintain, and monitor LUCs that prohibits residential housing, elementary and secondary schools, childcare facilities or playgrounds at the former EOD Range (SEAD-57), the former 3.5-inch Rocket Range (SEAD-46), the former Grenade Range (SEAD 007-R-01), and the former EOD Area 2 and the former EOD Area 3 (both part of SEAD 002-R-001). There may be a potential that MEC may remain undetected at the sites at locations that could not be identified using currently available geophysical and intrusive investigative and clearance technologies. Current characterizations of the environmental media in the four munitions response AOCs indicates that residual levels of hazardous substances, and other chemical pollutants and contaminants are not sufficient to warrant any further mitigation or remediation efforts.

As the selected remedies for SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 do not allow unrestricted use and unlimited exposures due to the potential for MEC, the Army or its successors will be required to complete a review of the selected remedies at least once every 5 years, in accordance with Section 121(c) of the CERCLA.

The Army shall implement, maintain, inspect, report on, and enforce the remedies described in this ROD. This ROD selects as the remedy for SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 LUCs (i.e., residential land use limitations) to be imposed by an environmental easement at the time when land comprising these four AOCs is transferred from Army ownership to another party; any pre-transfer use inconsistent with the LUCs is prohibited. Although the Army may later transfer these responsibilities to another party, the Army shall retain ultimate responsibility for remedy integrity.

To implement the LUC remedies selected in this ROD, a LUC Remedial Design plan (LUC RD) will be prepared which will provide for the recording of an environmental easement consistent with Paragraphs (a) and (c) of the New York State Environmental Conservation Law (ECL) Article 27, Section 1318: Institutional and Engineering Controls. In addition, the Army will prepare an environmental easement for SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01, consistent with Section 27-1318(b) and Article 71, Title 36 of ECL, in favor of the State of New York, which will be recorded at the time of the property's transfer from Federal ownership and which will require the owner and/or any person responsible for implementing the LUCs set forth in this ROD to periodically certify that such institutional controls are in place. The Army and the EPA will be identified in the environmental easement. A schedule for completion of the draft SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 LUC RD Plan will be completed within 21 days of the ROD signature, consistent with Section 14.4 of the Federal Facilities Agreement (FFA). To implement the remedy prior to transfer, the Army, as the owner and operator of the property at SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01, will ensure that the LUCs are implemented by monitoring the property at SEAD-46, SEAD-57, SEAD 002-R-01, and SEAD 007-R-01 and restricting development or use on this property if inconsistent with the LUCs.

The present worth cost associated with all alternatives is calculated using a discount rate of seven percent (7%) and a 30-year time interval. The present worth cost includes the cost to perform annual OM&M and

to conduct five-year reviews over the designated time period. There are no capital costs associated with the alternative. The estimated annual and present worth costs are summarized below.

SEAD-46, SEAD-57, SEAD-002-R-01, and SEAD-007-R-01 Selected Remedy (Land Use Controls) Costs

Capital Cost	\$0	
Annual OM&M Cost	\$12,000	ANNUAL LUC COST
Five-Year Review Cost	\$75,000	5 year REVIEW COST
Present Worth Cost	\$310,700	
Construction Time	0 Month	
Completion Time	1 Month	

The total present worth cost for the selected LUC remedy at the four AOCs is \$310,700.

SEAD-70

Based on the results of the investigation, the recommended remedy for SEAD-70 (Building T2110- Filled Area) is No Further Action, with release of the property for unrestricted use and unlimited exposure. This selection is based on the Army's determination that the AOCs do not pose a significant threat to human health or the environment. No costs are associated with this remedy.

Owner Cost

In RACER, Owner Cost is the owner's workforce cost to initiate, contract, oversee, direct, implement and closeout the project. Owner costs may include the following categories or items:

- Supervision, Inspection, and Overhead (SIOH);
- Construction management and "Owner's Representative" services;
- Laboratory quality assurance;
- Operations and maintenance manual; and
- Other costs (e.g. technical, real estate, administrative, contracting, accounting, etc.).

The system default percentage for Owner Cost is 11 %. The valid range for the Owner Cost markup factor is 0% to 20%.

DEFAULT VALUE

ESCALATION RATES

Constant Year (FY15) Dollars

The CTC estimates shall be reported on a current cost basis (unadjusted for inflation). The following factors should be used to bring previous year costs to the current year.

Base Fiscal Year	Escalation Rate
FY10	1.0794
FY11	1.0608
FY12	1.0511
FY13	1.0353
FY14	1.0184

ESTIMATOR EXPERIENCE

ESTIMATOR NAME: Randall Battaglia	POSITION: Project Manager
LOCATION: USACE NY Seneca Proj. Ofc	YEARS OF EXPERIENCE: 31 years
EMAIL: Randy.W.Battaglia@usace.army.mil	PHONE NUMBER: 607-869-1532

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.

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 control

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 20,21,22
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	SEAD 023, 006-R-01, 024,
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	SEAD 122	Underground Tank Farm	
Incinerator	SEAD 006, 001-R-01,019, 018	Unexploded Munitions/Ordnance	SEAD 006-R-01, 001-R-01,003-R-01, 007-R-01
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,		

AMENDMENT

ENCL 5

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 46
2. AMENDMENT/MODIFICATION NO. 03		3. EFFECTIVE DATE 15-Jul-2014	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	
6. ISSUED BY US ARMY ENGINEERING & SUPPORT CENTER CEHNC-CT 4820 UNIVERSITY SQUARE HUNTSVILLE AL 35816-1822		CODE W912DY	7. ADMINISTERED BY (If other than item 6) DIRECTORATE OF CONTRACTING - HNC ATTN: JYWANYA DILLINGER 256-895-1151 HUNTSVILLE AL 35816	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) PARSONS GOVERNMENT SERVICES INC. MICHELLE SMITH 100 W WALNUT ST PASADENA CA 91124-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W912DY-08-D-0003-0013	
			X 10B. DATED (SEE ITEM 13) 18-Aug-2011	
CODE 1BVK6	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-1, CHANGES				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: a0ctcd9142871 This modification is issued to incorporate Human Health Risk Assessment (HHRA), Proposed Remedial Action Plan (PRAP), and Record of Decision (ROD) into the task order for SEAD-12, as well as include additional field work and incorporate the Revised FWS dated 20 June 2014. SEE SUMMARY OF CHANGES				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) SUZANNE WEAR / CONTRACTING OFFICER TEL: 256-895-1577 EMAIL: Suzanne.Wear@usace.army.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Suzanne M. Wear</i> (Signature of Contracting Officer)	16C. DATE SIGNED 18-Jul-2014	

Contract #

ENCL 5

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MOD 03 NARRATIVE

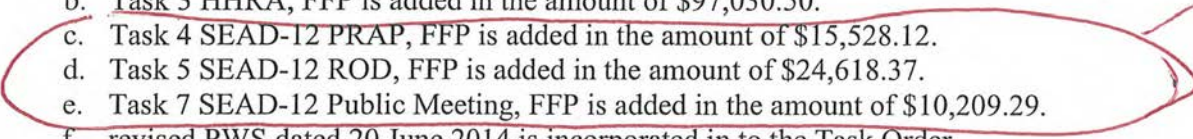
Modification 03, Contract W912DY-08-D-0003, Task Order 0013, Remedial Investigation / Feasibility Study, Seneca Army Depot Activity (SEDA), Open Detonation Ground, Romulus, New York.

The purpose of Modification 03 is to include Human Health Risk Assessment (HHRA), Proposed Remedial Action Plan (PRAP), and Record of Decision (ROD) into the task order for SEAD-12, as well as include additional field work.

This task order is hereby changed to include the following:

- a. Task 2g Area of 1,000-2,000 foot radius from the existing OD Hill (6.5 acres), FFP is added in the amount of \$470,172.45.
- b. Task 3 HHRA, FFP is added in the amount of \$97,030.50.
- c. Task 4 SEAD-12 PRAP, FFP is added in the amount of \$15,528.12.
- d. Task 5 SEAD-12 ROD, FFP is added in the amount of \$24,618.37.
- e. Task 7 SEAD-12 Public Meeting, FFP is added in the amount of \$10,209.29.
- f. revised PWS dated 20 June 2014 is incorporated in to the Task Order.

TASK
Price



The total Task Order value is increased by \$617,558.72, from \$4,668,242.05 to \$5,285,800.77.

The Performance Completion date of 28 February 2015 remains unchanged, as well as all other terms and conditions within the task order.

These adjustments are an accord and satisfaction and constitute compensation in full on behalf of the contractor and its subcontractors and suppliers, and/or for all costs and markups directly or indirectly attributed to the changes ordered herein, and for any delays caused by the Government prior to the execution of this modification for all firm-fixed priced tasks. All other terms and conditions remain the same.

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$617,558.72 from \$4,668,242.05 to \$5,285,800.77.

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0012 is added as follows:

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0012		1	Dollars, U.S.	\$617,558.72	\$617,558.72

MODIFICATION 03
FFP

Modification 03:

a. Task 2g Area of 1,000-2,000 foot radius from the existing OD Hill (6.5 acres), FFP is added in the amount of \$470,172.45.

b. Task 3 HHRA, FFP is added in the amount of \$97,030.50.

c. Task 4 SEAD-12 PRAP, FFP is added in the amount of \$15,528.12.

d. Task 5 SEAD-12 ROD, FFP is added in the amount of \$24,618.37.

e. Task 7 SEAD-12 Public Meeting, FFP is added in the amount of \$10,209.29.

f. Revised PWS dated 20 June 2014 is incorporated in to the Task Order.

FOB: Destination

MILSTRIP: W31RYO41921652

PURCHASE REQUEST NUMBER: W31RYO41921652

*TASK'S
PRICE*

MAX NET AMT \$617,558.72

SUBCLIN 001201 is added as follows:

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
001201		UNDEFINED	Dollars, U.S.	\$0.00	\$0.00

Funding SubCLIN for Mod 03

FFP

FOB: Destination

MILSTRIP: W31RYO41921652

PURCHASE REQUEST NUMBER: W31RYO41921652

MAX NET AMT \$0.00

ACRN AC \$6,117.09
CIN: W31RYO419216520002

SUBCLIN 001202 is added as follows:

Estimate Summary Table

Site # SEAD-003-R-01

Site Number	Phase	CTC Subtotal (\$SK)	Estimate Type	Assumption	Basis of Assumption	Basis of Assumption Document Name	Location of Basis of Assumption Document	
SEAD 003-R-01	RI/FS	\$51,282	Contract Price	Contract for PRAP,ROD, Public Meetings	TO 13 amendment 03 dated 15 Jul 2014	Contract #: W912DY-08-D-0003-0013, dated 18 Aug 2011	HNC	
				Escalation to FY 16	Bureau of Economic Analysis		4820 University Square	
							Huntsville Al 35816	
	Close out	\$40,428	IGE	RACER	RACER	RACER SEAD-003-R-01	USACE NY	
							5786 State Route 96	
							Romulus, NY 14541	
	RI/FS	\$89,971	IGE	COE OVERSITE of Contract	RACER Cost to Owner	RACER 11.2 version	USACE NY	
					11% of Contract cost		5786 State Route 96	
							Romulus, NY 14541	
	LTM	\$766634	IGE	LUC CONTROLS	ROD DATA	Draft ROD SWMU SEAD - 46, SEAD-57, SEAD-007-R-01, SEAD-002-R-01, and SEAD-70	USACE NY	
				Escalation to FY 16	Bureau of Economic Analysis		5786 State Route 96	
							Romulus, NY 14541	
	Total cost to complete		\$948,318					
	Does the CTC estimate include work through site closure? (Yes/No)		yes					