

W911KB-04-R-0018

PROPOSAL DOCUMENTS

**WHITE ALICE TRAM AND DEBRIS REMOVAL
NORTHEAST CAPE
ST. LAWRENCE ISLAND, ALASKA**

**SOLICITATION, OFFER, AND AWARD
SUPPLIES OR SERVICES AND PRICE/COSTS
STATEMENT OF WORK
INSPECTION AND ACCEPTANCE
SPECIAL CONTRACT REQUIREMENTS
CONTRACT CLAUSES
LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS
INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS
EVALUATION FACTORS FOR AWARD**

SMALL BUSINESS (SET ASIDE) COMPETITIVE SERVICE CONTRACT

APRIL 2004



**U.S. ARMY ENGINEER DISTRICT, ALASKA
CORPS OF ENGINEERS
P.O. BOX 6898
ANCHORAGE, ALASKA 99506-6898**



INCREASE PROFIT



SUBMIT VE CHANGES

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING	PAGE OF PAGES
2. CONTRACT NUMBER	3. SOLICITATION NUMBER W911KB-04-R-0018	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED 04/02/04	6. REQUISITION/PURCHASE NUMBER	
7. ISSUED BY US Army Engineer District-AK CEPOA-CT-SP PO Box 6898 Elmendorf AFB, AK 99506-6898		CODE DACA85	8. ADDRESS OFFER TO (If other than Item 7) US Army Engineer District-AK CEPOA-CT-SP PO Box 6898 Elmendorf AFB, AK 99506-6898		

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

9. Sealed offers in original and ****See Section L, Part II, Para 3.h SOLICITATION** copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in **2204 Third St, Rm 29, Elmendorf AFB, AK** until **4:00pm** local time **05/03/04**

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME Kristine Stoeher	B. TELEPHONE (NO COLLECT CALLS)		C. E-MAIL ADDRESS gary.a.haynes@POA02.usace.army.mil
		AREA CODE 907	NUMBER 753-2554	EXT.

(X)	SEC.	DESCRIPTION	PAGE(S)	(X)	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
X	A	SOLICITATION/CONTRACT FORM		X	I	CONTRACT CLAUSES	
X	B	SUPPLIES OR SERVICES AND PRICES/COSTS		PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
X	C	DESCRIPTION/SPECS./WORK STATEMENT		X	J	LIST OF ATTACHMENTS	
	D	PACKAGING AND MARKING		PART IV - REPRESENTATIONS AND INSTRUCTIONS			
X	E	INSPECTION AND ACCEPTANCE		X	K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
X	F	DELIVERIES OR PERFORMANCE		X	L	INSTRS., CONDS., AND NOTICES TO OFFERORS	
	G	CONTRACT ADMINISTRATION DATA		X	M	EVALUATION FACTORS FOR AWARD	
X	H	SPECIAL CONTRACT REQUIREMENTS					

OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)	<input type="checkbox"/> 10 CALENDAR DAYS (%)	<input type="checkbox"/> 20 CALENDAR DAYS (%)	<input type="checkbox"/> 30 CALENDAR DAYS (%)	<input type="checkbox"/> CALENDAR DAYS (%)
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)
15B. TELEPHONE NUMBER AREA CODE NUMBER EXT.	15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.		17. SIGNATURE
			18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)) <input type="checkbox"/> 41 U.S.C. 253(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) ITEM
24. ADMINISTERED BY (If other than Item 7)	CODE	25. PAYMENT WILL BE MADE BY CODE
26. NAME OF CONTRACTING OFFICER (Type or print)	27. UNITED STATES OF AMERICA (Signature of Contracting Officer)	
	28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 28, or by other authorized official written notice.

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STANDARD FORM 33 (REV. 9-97)
Prescribed by GSA - FAR (48 CFR) 53.214(c)

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Mobilization & Demobilization, Complete FFP	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Pre-Mobilization Activities FFP Plans & Reports, Survey & Benchmarks, Complete	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Work Site Access, Complete FFP	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Field Overhead, Complete FFP (The offeror shall propose the unit price per day and provide an estimated number of days.)		Days		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	Wire&Cable Removal Along Tram, Complete FFP	105	Net Ton (2,000 LB)		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006	Tram & Waterline Removal, Complete FFP	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007	Debris Removal, Upper Mountain, Complete FFP	45	Net Ton (2,000 LB)		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008		405	Net Ton (2,000 LB)		
	Debris Removal FFP Gravel Pads, Roads, and Cargo Beach, Complete				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009		178	Net Ton (2,000 LB)		
	Debris Removal FFP Lower Mountain on Tundra/Muskeg, Complete				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010	Mitigate PCB FFP Contaminated Concrete, Complete	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011	Final Debris Cleanup, Complete FFP	34	Acre		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0012	Seeding, Complete FFP	29	Acre		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013	Attend RAB Meetings, Complete FFP 6 meetings	6	Each		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014	Remove PCB-Contaminated Soil, Complete FFP	100	Net Ton (2,000 LB)		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0015		100	Net Ton (2,000 LB)		
OPTION	Additional FFP PCB-Contaminated Soil Removal, Complete. Up to 100 Tons.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0016		3650	Square Foot		
OPTION	Option FFP Additional PCB-Contaminated Concrete Mitigation, Complete. Up to 3650 Square Feet.				

NET AMT

FOB: Destination

C.1 SUMMARY OF WORK
C.2 MEASUREMENT, PAYMENT AND CONTRACT BREAKDOWN
C.3 SUBMITTALS
C.4 PERMITS
C.5 SAFETY
C.6 PERSONNEL
C.7 CONTRACTOR QUALITY CONTROL
C.8 TEMPORARY FACILITIES
C.9 ENVIRONMENTAL PROTECTION
C.10 CHEMICAL DATA QUALITY CONTROL
C.11 TRANSPORTATION AND DISPOSAL OF HARARDOUS MATERIALS
C.12 SURVEY AND AS-BUILT DRAWINGS
C.13 REFERENCE DOCUMENTS
ATCH01 SCOPE OF WORK TABLES
ATCH02 DESCRIPTION OF PHOTOGRAPHS
ATCH03 DEPT. OF ARMY RIGHT-OF-ENTRY FOR ENVIRONMENTAL ASSESSMENT AND
RESPONSE
ATCH04 CAT TRAIL AND ROAD INFORMATION (AUG 2001)
ATCH05 STREAM CROSSING INFORMATION
ATCH06 SUBMITTAL REGISTERS
ATCH07 TRANSMITTAL OF SHOP DRAWINGS, EQPT DATA, MATERIAL SAMPLES OR MFG'S
CERTIFICATES OF COMPLIANCE
ATCH08 FINDING OF NO SIGNIFICANT IMPACT
ATCH09 FINAL CONSISTENCY DETERMINATION MEMO
ATCH10 FISH HABITAT PERMIT
ATCH11 STATE OF ALASKA MEMO
ATCH12 ACTION MEMORANDUM
ATCH13 ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT
ATCH14 TANK SCRAP METAL INFORMATION
ATCH15 LIST OF EXHIBITS
ATCH16 MANUAL FOR ELECTRONIC DELIVERABLES

C.1 SUMMARY OF WORK

C.1.1 SITE DESCRIPTION

St. Lawrence Island is located in the Bering Sea, near the territorial waters of Russia, approximately 135 air miles southwest of Nome (See Drawing Sheet LV-1). St. Lawrence Island is accessible by boat and commercial airplane charter.

The Northeast Cape site is approximately 9 miles west of the northeastern cape of St. Lawrence Island. The site is the location of a former Air Force Station and White Alice Communication facility. The site is located between Kitnagak Bay to the northeast and Kangighsak Point to the northwest. Portions of the site are in the Kinipaghulghat Mountains. The site is located at approximately 63 degrees 20 minutes north latitude by 168 degrees 59 minutes west longitude.

This contract involves work at a variety of different areas at the site. Work areas include locations on lower elevation muskeg flats, mountain side-slopes, and the top of a mountain. Elevations of work areas range from sea level to approximately 1817 feet above mean sea level (MSL).

The village of Savoonga is located approximately 60 miles northwest of the Northeast Cape site, and had a population of 652 people as of the 2000 U.S. Census. There are currently no permanent residents at the Northeast Cape site, but there is a small hunting and fishing camp located near the beach at the site, which is inhabited seasonally by several families who are residents of Savoonga.

The overall Northeast Cape site has been divided into sub-sites. These sub-sites are listed below. Reference documents prepared subsequent to 1997 utilize these sub-site identifications, however documents prepared prior to that date may not utilize these sub-site identifications. The Contract Drawings and Scope of Work utilize these sub-site numbers, where available.

- Site 02 Airport Terminal and Landing Strip
- Site 03 Fuel Line Corridor and Pumphouse
- Site 04 Native Fishing and Hunting Camp
- Site 05 Cargo Beach
- Site 06 Cargo Beach Road Drum Field
- Site 07 Cargo Beach Road Landfill
- Site 08 POL Spill Site
- Site 09 Housing and Operations Landfill
- Site 10 Buried Drum Field
- Site 11 Fuel Storage Tank Area
- Site 12 Gasoline Tank Area
- Site 13 Heat and Electrical Power Building
- Site 14 Emergency Power Operations Building
- Site 15 Buried Fuel Line Spill Area
- Site 16 Paint and Dope Storage Building

- Site 17 General Supply Warehouse and Mess Hall Warehouse
- Site 18 Housing Facilities and Squad Headquarters
- Site 19 Auto Maintenance and Storage Facilities
- Site 20 Aircraft Control and Warning Building
- Site 21 Wastewater Treatment Facility
- Site 22 Water Wells and Water Supply Building
- Site 23 Power and Communication Line Corridors
- Site 24 Receiver Building Area
- Site 25 Direction Finder Area
- Site 26 Former Construction Camp
- Site 27 Diesel Fuel Pump Island
- Site 28 Drainage Basin Area
- Site 29 Suqitughneq River
- Site 30 Background Areas
- Site 31 White Alice Communication Site (Lower Mountain)
- Site 32 Lower Tram Terminal
- Site 33 Upper Tram Terminal
- Site 34 Upper Camp

C.1.2 SITE HISTORY

See the following document for description of site history:

St. Lawrence Island, Alaska, Northeast Cape Sites - Final Report, GIS-Based Historical Photographic Analysis, USACE Engineer Research and Development Center, Topographic Engineering Center, August 2001. This is an electronic document in .htm format. The title of the file is:

- NECape.htm and folder: NECape_files

A BD/DR and Con-HTW removal action was conducted at the site during the 2000 and 2001 field seasons. That action was limited to the area down-slope of Stream Crossing #1, except that some poles and wire were removed from the area between Stream Crossing #1 and the Lower Tram Building. In general, the scope of that action included removal of USTs, ASTs, drums, poles and wires, Con-HTW, contaminated soil, water wells, and selected buildings at the former AFS Operations area.

Another BD/DR and Con-HTW removal action was conducted at the site during the 2003 field season. That action occurred on both the upper and lower mountain areas. In general, the scope of that action included removal of remaining buildings, utilidors, the Site 21 wastewater treatment tank, ASTs, drums, pole-lines and wires, Con-HTW, and miscellaneous debris.

C.1.3 PHYSICAL DATA

Data and information furnished or referred to below are furnished for the Contractor's information. USACE shall not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

Information on the local communities in Alaska may be accessed through the Alaska Department Community and Economic Development on the Internet at the following URL.

http://www.dced.state.ak.us/mra/CF_COMDB.htm

Climatological data for areas within Alaska may be accessed through the National Weather Service NOAA Climate Data on the Internet at the following URL.

<http://www.nws.noaa.gov/climate.shtml>

C.1.4 INFORMATION AVAILABLE TO THE OFFEROR

C.1.4.1 Information Provided with the Request For Proposal

The following information is provided to offerors as part of this section:

- Section C text;
- Attachments to Section C;
- Contract Drawing set;
- Exhibits;
- Photographs;
- GIS-Based Historical Photographic Analysis (described above); and
- Videotape.

C.1.4.1.1 Exhibits

ATTACHMENT 15 lists information about EXHIBIT 01 through EXHIBIT 46, provided electronically on the CD.

C.1.4.1.2 Photographs

Photographs are provided on CD-ROM labeled White Alice Tram and Debris Removal, Northeast Cape, St. Lawrence Island, Alaska (ERP030WA) W911KB-04-R-0018 CD#2.

Photographs are organized according to folders, each containing multiple photographs. ATTACHMENT 02 Descriptions of Photographs provides descriptions of each of the photographs contained in the folders.

Numerous photographs of the site were taken during prior removal action projects. Many of these photographs are provided to illustrate the general site characteristics and topography. **Offerors shall bear in mind that many of the photographs show features that have been**

removed or changed as a result of removal actions that occurred after the photographs were taken.

See ATTACHMENT 02 for the specific photographs contained in each folder, Folder 01 through Folder 28. Note that the photograph naming convention for Folder 01 through Folder 22 is explained by the following example: Photograph D2-015 represents photograph number 15 in Folder 02.

Photographs contained in Folder 28 were taken and provided courtesy of Bristol Environmental and Engineering Services, the contractor who conducted work at the site during 2003.

C.1.4.2 Additional Available Information

The following listed documentation is available for review by offerors.

- Defense Environmental Restoration Account, City of Gambell and Northeast Cape, St. Lawrence Island, Alaska, Sampling Plan, prepared by URS Corporation, March 1986.
- Removal Action, White Alice Site, Northeast Cape, St. Lawrence Island, Alaska, Final Report, prepared by URS Consultants, Inc., May 17, 1991.
- Site Inspection, White Alice Site Northeast Cape, St. Lawrence Island, Alaska, Final Report, prepared by URS Consultants, Inc., May 22, 1991.
- Preliminary Assessment Report, Naval Ocean Systems Center Special Areas, Alaska, NEESA 13-205, July 1991.
- Revised Site Inspection, White Alice Site, Northeast Cape, St. Lawrence Island, Alaska, Final Report, prepared by URS Consultants, Inc., April 27, 1992.
- Site Inventory, Northeast Cape, St. Lawrence Island, Alaska, prepared by Ecology and Environment, Inc., December 1992.
- Chemical Data Acquisition Plan, Site Inventory Update, Northeast Cape, St. Lawrence Island, Alaska, prepared by Ecology and Environmental, Inc., February 1993.
- Remedial Investigation, Northeast Cape, St. Lawrence Island, Alaska, Final, prepared by Montgomery Watson, Volume I (report) and Volume II (appendices), January 1995.
- Building Demolition and Debris Removal Technical Memorandum, Northeast Cape, Alaska, prepared by Montgomery Watson, January 10, 1995.
- HTW Removal at NE Cape, St. Lawrence Island, Alaska, Contract DACA85-93-C-004, Final Report, prepared by Northwest Enviroservice, Inc., February 1995.

- Community Relations Plan, Gambell and Northeast Cape, St. Lawrence Island, Alaska, prepared by Montgomery Watson, May 23, 1996.
- Phase II Remedial Investigation, Northeast Cape, St. Lawrence Island, Alaska, Final, Volume I (Report Body), Volume II (Appendices A and C-H), and Volumes III and IV (data tables), prepared by Montgomery Watson, August 1999.
- Phase II Remedial Investigation Report Addendum, 1999 Fieldwork, Northeast Cape, Alaska, Final, two volumes, prepared by Montgomery Watson, June 2000.
- 2000 Remedial Investigation/Feasibility Plan, Fall 2000 Building Composite Sampling and Asbestos Survey, Technical Memorandum, Northeast Cape, St. Lawrence Island, Alaska, prepared by Montgomery Watson, December 2000.
- Revised Final Project Plans for Building Demolition/Debris Removal and Containerized Hazardous and Toxic Waste Removal, Northeast Cape of St. Lawrence Island, Alaska, Revision 1, prepared by Nugget Construction, Inc. and Foster Wheeler Environmental Corporation, June 2000.
- Work Plan, Phase III Remedial Investigation, Northeast Cape, St. Lawrence Island, Alaska, Final, prepared by MWH Americas, Inc., August 2001.
- Site Characterization Technical Memorandum, Phase III Remedial Investigation, Northeast Cape, St. Lawrence Island, Alaska, prepared by Montgomery Watson, November 2001. (This document contains data that has not yet undergone chemical quality assurance review and data validation. Information indicated in the document may be modified.)
- Engineering Evaluation and Cost Analysis (EE/CA), Environmental Assessment and Finding of No Significant Impact, White Alice Site Removal Action, Northeast Cape, St. Lawrence Island, Alaska, prepared by Alaska District U.S. Army Corps of Engineers, February 2002.
- Final Engineering Evaluation/Cost Analysis (EE/CA) Northeast Cape St. Lawrence Island, Alaska, prepared by Montgomery Watson, April 2000.
- Engineering Evaluation and Cost Analysis (EE/CA), Environmental Assessment and Finding of No Significant Impact, White Alice Site Removal Action Northeast Cape St. Lawrence Island, Alaska, U.S. Army Corps of Engineers, March 2002.

NOTE: Estimated costs shown in the March 2002 Engineering Evaluation and Cost Analysis (EE/CA), Environmental Assessment and Finding of No Significant Impact, White Alice Site Removal Action Northeast Cape St. Lawrence Island, Alaska, U.S. Army Corps of Engineers should not be used by offerors preparing proposals.

Documents listed above are available for review at the following information repositories.

U.S. Army Engineer District - Alaska Headquarters
2204 3rd Street, Elmendorf Air Force Base, Alaska 99506-1500
(located at the corner of 3rd Street and Fairchild Avenue)
(Contact Kristine Stoechner at USACE Contracting Division, telephone number (907)
753-2554 to arrange an appointment to review materials.)

Sivuqaq Corporation Building
P.O. Box 101
Gambell, Alaska 99742
Phone: (907) 985-5826

IRA Building
P.O. Box 120
Savoonga, Alaska 99769
Phone: (907) 984-6414

National Park Service
179 Front Street, Suite 121
Nome, Alaska 99762
Phone: (907) 443-6101

Alaska Resource Library and Information Services (ARLIS)
3150 C Street, Suite 100
Anchorage, Alaska 99503
Phone: (907)271-4560

C.1.5 CONTRACT SCOPE OF WORK

The required work is described in this section, including the tables attached to this section. The information in the tables is supported by contract drawings, photographs, and exhibits.

In general terms, the work includes preparation of planning documents and reports, mobilization and demobilization, providing/improving access to the work sites, providing for field overhead to conduct the work, removal of cables and wires extending up a mountain, demolition and removal of a tram system and waterline extending up a mountain, removal of miscellaneous debris from the upper mountain area, removal of miscellaneous debris from lower mountain and beach areas, removal of miscellaneous wire and appurtenances, mitigation of PCB-contaminated concrete, and miscellaneous other tasks. Removal of PCB-contaminated soil is a contract option. This description is not all-inclusive of the work, and is intended as a broad, general description. See below for the contract scope of work.

C.1.5.1 CLIN 0001: Mobilization and Demobilization, complete.

The work under this CLIN consists of transportation of camp, plant, equipment, and appurtenances to and from the project; assembly/set up of the camp; and removal of same after completion of the project. This CLIN includes mobilization and demobilization of the vehicles, lodging, and meals for USACE personnel. Field overhead during the mobilization and demobilization periods shall be included here.

Payment will be made in accordance with Section titled MEASUREMENT AND PAYMENT.

C.1.5.2 CLIN 0002: Pre-Mobilization Activities, Planning and Reporting, Survey and Benchmarks, Complete

The work under this CLIN consists of Contractor review of project information, the Pre-Mobilization Site Visit, assessment of the barge landing location, assessment of the work sites and access routes, preparation of required planning documents, preparation of required reporting documents, survey and benchmark installation, and all related work. The planning documents prepared under this CLIN shall include all work under the base CLINs, plus the work under all optional CLINs. Include as-built drawings under this CLIN.

C.1.5.2.1 Pre-Mobilization Site Visit

The Contractor shall conduct a Pre-Mobilization Site Visit after the Contractor has reviewed available documentation, but prior to submittal of the Draft Planning Documents. The site visit shall be attended by key personnel from the Contractor, plus key personnel from subcontractors conducting onsite field work on the project. All work areas under the contract shall be visited, including areas under Option items.

In addition to the Contractor's personnel, transportation to and from the site shall be provided by the Contractor for two employees from the Fairbanks Resident Office, and two employees from

the Alaska District Corps of Engineers Office in Anchorage, plus one representative from the Alaska Department of Environmental Conservation (ADEC). Transportation for USACE personnel shall comply with Public Law 99-661 and DOD Directive 4500.53, requiring DOD and OAS certified charter. The Contractor shall provide accommodations (food and lodging) and onsite transportation for Government personnel during the site visit.

C.1.5.2.2 Pre-Mobilization Conference

See Section I clause 52.236-26 PRECONSTRUCTION CONFERENCE.

C.1.5.3 CLIN 0003: Work Site Access, Complete

The work under this CLIN consists of improvements to roads and trails to enable equipment and personnel to access the work sites. This CLIN includes implementation of improvements and appurtenances needed to facilitate transportation of equipment, materials, debris, and all other items off the work sites to the barge landing area, and improvements to the barge landing area if needed to facilitate transfer of items to barge. Information on the condition of cat trails and stream crossing locations is provided in contract drawings, attachments, and exhibits.

C.1.5.4 CLIN 0004: Field Overhead, Complete

The work under this CLIN consists of all field overhead needed to facilitate the field work under this contract. This item includes camp facilities, meals and camp operations, fuel, air transportation for supply purposes, infirmary, supervisory personnel, and all other support elements needed to facilitate performance of the work scope. This item does not include mobilization and demobilization.

C.1.5.5 CLIN 0005: Wire and Cable Removal, Complete

The work under this CLIN consists of removal, packaging, transportation, and disposal of items listed and described in ATTACHMENT 01, Table CLIN0005.

C.1.5.6 CLIN 0006: Tram and Waterline Removal, Complete

The work under this CLIN consists of demolition, removal, packaging, transportation, and disposal of the tram system and water line listed and described in ATTACHMENT 01, Table CLIN0006, and all related work. This item includes all tram towers, line support towers, waterline, and related appurtenances.

Concrete foundations supporting tram towers shall remain in place. Re-bar, bolts, and other steel protrusions from concrete shall be cut off flush with the surrounding concrete. All concrete items shall be assumed to be steel-reinforced unless indicated otherwise.

C.1.5.7 CLIN 0007: Debris Removal, Upper Mountain, Complete

The work under this CLIN consists of the removal, packaging, transportation, and disposal of items listed and described in ATTACHMENT 01, Table CLIN0007, and all related work. Include material sampling as needed to dispose of the debris.

C.1.5.8 CLIN 0008: Debris Removal From Gravel Pads, Roads, and Cargo Beach, Complete

The work under this CLIN consists of the removal, packaging, transportation, and disposal of items listed and described in ATTACHMENT 01, Table CLIN0008, and all related work. Include material sampling as needed to dispose of the debris.

C.1.5.9 CLIN 0009: Debris Removal, Lower Mountain on Tundra/Muskeg, Complete

The work under this CLIN consists of the removal, packaging, transportation, and disposal of items listed and described in ATTACHMENT 01, Table CLIN0009, and all related work. Poles and posts shall be removed to the ground surface (top of soil; not top of snow) or lower. Include material sampling as needed to dispose of the debris.

For thermo-anchors, remove them or cut them off at the ground surface. Contain liquid contents (if any). Package, transport, and properly dispose of liquid contents (if any) and anchors.

Some sections of wire have been overgrown by a thin layer of organic material. Where this organic mat exceeds 3 inches thickness and it is more difficult to remove the wire than to cut the wire, the wire may be cut at 3 inches below ground surface and left in place. However, wire left in place shall not be counted in tonnage nor paid for under the CLIN.

C.1.5.10 CLIN 0010 Mitigate PCB-Contaminated Concrete, Complete

The work under this CLIN consists of mitigating PCB-contaminated concrete listed and described in ATTACHMENT 01, Table CLIN0010, and all related work. Concrete with total PCB concentrations exceeding 1 mg/kg shall be mitigated. The Contractor shall select the method of mitigation and describe it in the Planning Documents. All concrete items shall be assumed to be steel-reinforced unless indicated otherwise. Concrete repair or replacement is not required after mitigation.

The work includes proper packaging, shipment, and disposal of concrete, concrete dust and other removed particles, as well as IDW and personal protective equipment in accordance with Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

Appropriate safety measures shall be taken to prevent worker inhalation of PCB-contaminated dust and also to prevent the dust from being transported out of the work area. All wash-water and other contaminated media shall be disposed of by the Contractor and included in the contract price.

Include sampling and testing of the mitigated concrete that is to remain at the site to confirm contaminated concrete has been removed to the cleanup requirement. This sampling shall be

conducted in accordance with 40 CFR 761.61 (a)(i)(B), 40 CFR 761 Subpart O, and 40 CFR 761.289.

C.1.5.11 CLIN 0011 Final Debris Cleanup

The work under this CLIN consists of conducting a final surficial debris cleanup of previous building demolition and debris removal areas. Remove remaining pieces of metal, wood, transite siding, CAB, and other identifiable debris. ACM items having a long axis equal to or greater than 1-inch shall be removed. Non-ACM items having a long axis equal to or greater than 3-inches shall be removed. A hand-picking approach is envisioned, however the Contractor may propose an alternate approach that accomplishes the removal. Where partially buried debris is encountered, it shall be either removed or cut off at the ground surface.

Conduct this final debris cleanup at the following locations:

- Debris removal work areas under this contract;
 - Metallic debris area northwest of AFS Ops (approximately 1 acre),
 - Cargo Beach debris area (approximately 1 acre),
 - Site 7 debris area (approximately 5 acres),
- Former AFS Operations Area (approximately 20 acres);
- Site 24 (approximately 1 acre);
- Site 25 (approximately 1 acre);
- Site 31 (approximately 4 acres); and
- Site 32 (approximately 1 acre).

Final debris cleanup areas shown on the drawings are approximate. Measurement of this CLIN shall be made as follows. The Contractor, in the presence of USACE QAR, shall observe the areas in need of final debris cleanup in the field, and shall stake the areas to establish the perimeter. The staked area shall be surveyed, and the acreage of each area shall be established using CADD. The survey information, CADD file, and acreage calculations shall be submitted to the Contracting Officer by serial letter for review and confirmation by USACE. Payment shall be made at the contract unit price per acre after the work has been performed.

C.1.5.12 CLIN 0012 Seeding

Upon completion of the site work, the Contractor shall seed and fertilize the following areas.

- Former AFS Operations Area (area shown on drawings, approximately 15 acres);
- Site 24 (approximately 1 acres);
- Site 25 (approximately 1 acres);
- Site 31 (approximately 4 acres);
- Site 32 (approximately 1 acre); and
- Debris removal work areas under this contract;
 - Metallic debris area northwest of AFS Ops (approximately 1 acre),
 - Cargo Beach debris area (approximately 1 acre), and
 - Site 7 debris area (approximately 5 acres).

Seeding and fertilizing areas that are disturbed by the Contractors removal work under other CLINS is not included under this CLIN. Seeding and vegetating those other areas to repair damaged vegetation shall be conducted under those other CLINS.

Seeding and fertilizing shall not be conducted on built-up roads, cat trails, or in streams. Areas which have been severely rutted by the Contractor's operations shall be filled or re-graded prior to seeding.

Seeding areas shown on the drawings are approximate. Measurement of this CLIN shall be made as follows. The Contractor, in the presence of USACE QAR, shall observe the areas in need of seeding in the field, and shall stake the areas to establish the perimeter. The staked area shall be surveyed, and the acreage of each area shall be established using CADD. The survey information, CADD file, and acreage calculations shall be submitted to the Contracting Officer by serial letter for review and confirmation by USACE. Payment shall be made at the contract unit price per acre after the work has been performed.

Seed mixture shall be proportioned by weight as follows:

<u>Common Name</u>	<u>Mixture % by Weight</u>	<u>% Pure Live Seed</u>
"Tundra" Glaucous Bluegrass	30	70
Norcost Bering Hairgrass	30	70
"Arctared" Red Fescue	40	70

Fertilizer shall consist of a nitrogen-phosphorus-potassium ratio: 20 percent nitrogen, 20 percent phosphorus, 10 percent potassium. Fertilizer shall be applied at a rate of 550 pounds per acre. Seed shall be sown from after breakup to 15 July or after 20 August to up to 2 inches of crustless snow cover. Seed shall be uniformly broadcast at a rate of 30 pounds per acre.

The purpose of the seeding and fertilizing is to attempt to improve storm water pollution prevention at disturbed areas at the site. Existing soil conditions may not be conducive to seed germination, however topsoil installation is not required under this contract. Payment for this CLIN will be contingent upon completing the placement of seed and fertilizer, not on seed germination.

C.1.5.13 CLIN 0013 Attend RAB Meetings

The work under this CLIN consists of Contractor attendance at RAB meetings during the term of the contract. The contractor shall update the local community about the status of the project at the RAB meeting. RAB meeting locations alternate between Gambell and Savoonga, Alaska, and are generally held three times per year. RAB meetings are generally held in afternoon and evening periods, and may last up to 5 hours. Include all preparation, travel, food, and lodging necessary to attend the meetings and update the community.

Note the unit titled "each" in Section B Proposal Schedule means "each meeting", with the total number of separate meetings indicated as the quantity.

C.1.5.14 OPTION CLIN 0014 Remove PCB-Contaminated Soil

The work under this CLIN consists of excavating, packaging, transporting, and disposing of PCB-contaminated soil from the locations indicated below.

Excavation ID	Drawing Reference	Excavation Depth	Estimated Tonnage
Excavation 31A	Sheet D-4	0.5 feet b.g.s.	24
Excavation 31B	Sheet D-4	0.5 feet b.g.s.	7
Excavation 31C	Sheet D-4	0.5 feet b.g.s.	5
Excavation 14A	Sheet D-8	1.0 feet b.g.s.	2
Excavation 14B	Sheet D-8	0.5 feet b.g.s.	1
Excavation 13A	Sheet D-8	2.5 feet b.g.s.	19
Excavation 13B	Sheet D-8	4.5 feet b.g.s.	42

Note that Excavation 14A contains at least one distinct stained soil area.

The clean-up target for this removal is 1 mg/kg PCB. After staking excavation corners, the contractor shall visually observe the area for stained soil, and shall notify USACE prior to excavating if obviously stained soils are not within the planned excavation boundaries. After removing soil, conduct screening at 1 test per 100 square feet of pit area utilizing a semi-quantitative field screening method such as immunoassay. Provide the results to USACE by serial letter. Collect and analyze confirmation soil samples for PCBs by EPA Method 8082 and report the results by serial letter prior to backfilling. Sampling frequency shall comply with 18AAC75. Allow 5 calendar days for USACE review of sampling results prior to backfilling. Backfill the excavations after receiving USACE approval.

C.1.5.14.1 Additional Information For Excavations 13A and 13B

Locations of Excavations 13A and 13B were previously excavated to 1.5 feet b.g.s. to remove PCB-contaminated soil. The excavations were backfilled with clean fill. Confirmation sampling indicated PCB concentrations remain above the target cleanup level below 1.5 feet b.g.s.

Under this contract, first remove the upper 1.5 feet of fill in these excavation areas to access remaining PCB-contaminated soil. Stockpile this upper material separately. Then remove PCB contaminated soil from the excavation areas in accordance with the requirements above. Consequently, an additional 1 foot of soil will be removed from Excavation 13A, and an additional 3 feet of material will be removed from Excavation 13B. Include semi-quantitative screening on excavation sidewalls.

C.1.5.15 OPTION CLIN 0015 Additional PCB-Contaminated Soil Removal

The work under this CLIN consists of excavating, packaging, transporting, and disposing of additional PCB-contaminated soil from locations yet to be determined. The objective of this item is to provide for the ability to remove additional PCB-contaminated soil if the results of confirmation sampling under CLIN 0014 exceed the target cleanup level. Also, additional

excavation areas may be identified during further sampling and evaluation conducted during 2004.

All excavation locations under this CLIN will be at or north of Site 31, and will be in gravel pad areas accessible by heavy equipment. Excavation depth shall not exceed 15 feet.

Provide for 1 confirmation soil sample per 10 tons of excavated soil, analyzed for PCBs by EPA Method 8082. Provide analytical results by serial letter. Backfill the excavation volume removed under this CLIN after receiving USACE approval.

C.1.5.16 OPTION CLIN 0016 Additional PCB-Contaminated Concrete Mitigation

The work under this CLIN consists of mitigating additional PCB-contaminated concrete from floor slabs remaining at the site. Prior immunoassay screening results suggest additional areas on concrete slabs may exceed the target cleanup level, however analytical testing results are not currently available. The target cleanup level is 1 mg/kg. Assume that contamination above the target cleanup level extends up to 1 inch below the concrete surface.

If this option is exercised, the locations of concrete mitigation under this CLIN will be indicated to the Contractor prior to mobilizing to the site. Locations may include the following:

- Building 109 AFS Operations Area (up to 2,100 square feet);
- Building 108 AFS Operations Area (up to 200 square feet);
- Site 31 Former Building 1001 MEC Floor Slab, Rooms C, E, and F (up to 1,300 square feet); and
- Concrete Transformer Pad CTP-3 at upper mountain (up to 50 square feet).

The Contractor shall select the method of mitigation and describe it in the Planning Documents. All concrete items shall be assumed to be steel-reinforced unless indicated otherwise. Concrete repair or replacement is not required after mitigation.

The work includes proper packaging, shipment, and disposal of concrete, concrete dust and other removed particles, as well as IDW and personal protective equipment in accordance with Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

Appropriate safety measures shall be taken to prevent worker inhalation of PCB-contaminated dust and also to prevent the dust from being transported out of the work area. All wash-water and other contaminated media shall be disposed of by the Contractor and included in the contract price.

Include sampling and testing of the mitigated concrete that is to remain at the site to confirm contaminated concrete has been removed to the cleanup requirement. This sampling shall be conducted in accordance with 40 CFR 761.61 (a)(i)(B), 40 CFR 761 Subpart O, and 40 CFR 761.289

C.1.6 ACCESS TO SITE

C.1.6.1 Right of Entry

The Contractor shall be provided right of entry to the site, and shall have priority to the use of the site over other potential Contractors during the work period. ATTACHMENT 03 is the existing Right of Entry. The Contractor shall comply with the terms and conditions of the right of entry agreement between USACE and the landowners (copy attached). The existing Right of Entry permit expires 20 April 2008.

C.1.6.2 Roads and Trails

The roads at the site may need improvement if vehicles other than all terrain vehicles are to access the work locations. The Contractor shall grade the roads as needed to accomplish the work. Isolated areas of additional fill may be required for the roads. A borrow source is available for the site as shown on the contract drawings. Material in the borrow area shown contains cobbles. Some processing of the borrow material may be required. The Contractor shall coordinate use of the borrow source with the landowner; see Paragraph BORROW MATERIAL.

C.1.6.2.1 Slope Waiver for Cat Trail to Upper Mountain

Information about existing roads and cat trails that lead to work sites is provided in ATTACHMENT 04. Contract drawings, photographs, and exhibits will be provided to the Contractor in their electronic application format upon request.

Note that grades of some sections of the existing cat trail above the former AFS Operations Area exceed 30 percent, with the average grade of the trail close to 11 percent. If the Contractor chooses to utilize this cat trail, the Contractor shall obtain a waiver of EM 385-1-1, 21.I.07(b).

The Contractor shall be responsible for preparing the waiver request, including all information necessary to process the waiver request to the satisfaction of USACE. For proposal purposes, offerors shall assume that USACE will grant a waiver provided the following criteria are met. It is the Contractors responsibility to meet these criteria and shall include this work in the price. No separate payment will be made for obtaining the waiver or meeting these criteria.

1. Provide a written waiver request that includes the following, at a minimum:

- Topographic maps (USGS, other) at scale sufficient to address the situation;
- Numbered, color photographs of the cat trail that indicate location, and direction of view. Photos shall correspond to a location indicated on a map;
- Length of cat trail from base of hill to the work site;
- Estimates of grade as it changes from the base of the hill to the work site. Indicate the grade change locations on a topographic map;
- Locations of wash-outs, slides, or cave-ins that will need repair. Describe the means planned to fix the problem;
- Describe plans to widen the cat trail in places where it is less than 12 feet wide;

- Provide list of type, age, gross vehicle weight of equipment to be used. Describe features, including tracks, four-wheel drive, winch, etc; and
- Provide data from manufacturer's operating manual for equipment to be used on cat trail. Provide maximum grade and maximum traverse angle to travel cat trail safely.

2. Provide a dedicated Site Safety and Health Officer (SSHO) on the job site for monitoring travel on the steep areas of the cat trail. The dedicated SSHO shall have no other duties.

3. Perform and document daily mechanical checks on all vehicles using the cat trail.

4. Tracked carriers are required for hauling debris down the steep portion of cat trail extending to the upper mountain. Grade capabilities of vehicles traveling the cat trail shall comply with manufacturer's operating manual specifications for maximum grade and maximum traverse angle.

5. All vehicles traveling the cat trail shall be equipped with a radio or other suitable communication device. Vehicle operators shall be responsible for coordinating traffic and maintaining communications with other vehicles on the trail.

6. Traffic on steeper portions of the cat trail shall be limited to prevent rock fall hazards.

7. Existing run-outs will be repaired and improved for emergency use by downhill traffic. Turnouts will also be added at the run-outs to allow uphill-bound (unloaded) vehicles to pull off the trail. Uphill bound traffic will be required to yield to downhill-bound (loaded) traffic. The contractor will post signs along the trail identifying the Trail Points in order to facilitate communication between the operators and coordinate traffic.

8. Vehicles without redundant brake systems, other than personal ATVs such as 4-wheelers and Argo®-type vehicles will be attached to a dozer to further assist safe descent and ascent.

9. Every ATV operator shall have completed an ATV training course prior to operation of the vehicle IAW Section 18.D.01, EM 385-1-1. Helmets shall be worn by personnel traveling on ATVs.

10. All personnel traveling the cat trail in heavy equipment and haulers shall wear a hard hat or helmet, however communication ability shall not be hindered.

11. Soil conditions at trail edges will be observed for stability before daily work activities, during and after heavy rain periods and periodically (3-4 times) during daily operations.

12. Planning Documents shall adequately address improvements to the cat trail and safe methods of use.

13. The Contractor shall have a qualified mechanic inspect all vehicles and equipment used on the cat trail on a daily basis. The Contractor shall provide an activity hazard analysis for each phase of work in accordance with EM385-1-1, Section 01.B.

Note that improvements were made to the cat trail in 2003 to conduct removal work at the top of the mountain. However, trail washouts are common in the steeper sections, and offerors shall assume that trail improvement will be needed under this contract.

C.1.6.3 Helicopters

If helicopters are to be used to conduct the work, the Contractor shall provide the following information within the Planning Documents: lift load plan, landing zone, rigging plan, rigger qualifications (competent person), ground signal controller plan (competent person), rotor wash protection plan, crew care, survival and support, and evacuation/medivac plan.

C.1.6.4 Stream Crossings

Information about stream crossings is provided in ATTACHMENT 05.

C.1.6.5 Barge Landing

An old hydrographic chart of the area near the beaching location is provided as EXHIBIT 03. Note that the chart is dated 1950, and water depths in the beaching area are expected to have changed since the date of the chart. Difficulties have been encountered with barge access to the beach, as well as on-loading and off-loading, during prior site work. The Contractor is responsible for determining current water depths prior to conducting the work, and for determining the method of beaching to accomplish the work.

C.1.6.6 Airstrip

There is an un-maintained airstrip available for use at the site. Information on the airstrip may be obtained from various air taxi services operating out of Nome and Anchorage, Alaska.

C.1.7 NON-GOVERNMENT BORROW SOURCE

Borrow material needed to conduct the work may be obtained from the borrow area indicated on the drawings. Photographs D8-017, D8-018, and D21-017 through D21-020 show the borrow area. Material from this borrow area is considered acceptable for use as backfill on this project. The available material contains cobbles and boulders. Screening may be needed to produce material acceptable for some applications, such as road improvements. Backfill shall be free of roots and other organic matter, trash, and debris.

The borrow area is owned by the local landowners. The landowners may charge fee(s) for borrow material taken from the borrow area. If material from this borrow area is to be used, the Contractor shall provide for all costs associated with entering an agreement with the landowner for borrow material, landowner fees, and additional permits (if any). Contact information follows.

Mr. Morris Toolie, Jr.

Savoonga IRA
P.O. Box 157
Savoonga, Alaska 99679
Telephone: (907) 984-6414

Mr. Job Koonooka
P.O. Box 123
Gambell, Alaska 99742
Telephone: (907) 985-5075

C.1.8 SCHEDULING/PHASING/COORDINATION REQUIREMENTS

C.1.8.1 Shift Work

The Contractor will be allowed to work shifts as determined by the contract performance period and the Contractor's proposed schedule. The Contractor shall fully detail the duration of all proposed shift work, including daily start and ending times (no daily time constraints). This information is to be provided to USACE for review and to allow USACE the ability to staff and schedule personnel (QAR's) for the project. Shift work shall comply with all applicable labor regulations.

C.1.8.2 Limited Use of Vehicles

In the area of the Native hunting and fishing camp near Cargo Beach, the Contractor shall limit use of vehicles to the existing roads/trails, and the beach. See Section titled ENVIRONMENT PROTECTION for additional requirements.

C.1.8.3 Site Visits By Others During Work

Other parties contracted with USACE may visit the site during the course of the Contractor's work to conduct other work on other ongoing aspects of the project. In particular, investigation work associated with the ongoing remedial investigation and feasibility study may be conducted at the site during the Contractor's work. Other parties conducting work at the site will schedule their work with the Contractor and around the Contractors work so as not to impact the Contractors work.

C.1.9 FIREARMS AND ALCOHOL

Possession of firearms on site will be limited to individuals from Saint Lawrence Island. Alcohol is prohibited at the site.

C.1.10 USE OF EXPLOSIVES

Use of explosives shall be limited to disconnecting tram tower and line support tower legs along the tramway from their concrete foundations, and where it is shown by the contractor that use of explosives is the only reasonable method to conduct the work safely. All permitting for use of

explosives is the responsibility of the Contractor. The Contractor shall comply with all Federal, State, and local laws and regulations. The Contractor shall utilize a State of Alaska certified blaster and comply with State of Alaska requirements for handling, use, and transportation of explosives. The Contractor shall comply with EM 385-1-1. Special explosives planning documents are required if explosives are to be used by the Contractor; the Contractor shall prepare a Blasting Safety Plan. The Blasting Safety Plan shall be part of the Planning Documents, and shall comply with the requirements of EM 385-1-1.

C.1.11 TRANSPORTATION FOR GOVERNMENT PERSONNEL

Aircraft transportation for one USACE Quality Assurance Representative (QAR) to and from the job site shall be provided by the Contractor, as follows. The assigned QAR will normally work four weeks at the job site and one week in Fairbanks, Alaska. Aircraft transportation of one temporary QAR for one week to and from the job site shall also be provided by the Contractor in accordance with the QAR schedule described above. A minimum of three hours time shall be allowed on the job site for the assigned QAR and the temporary QAR to brief each other. A baggage allowance of up to 150 pounds will be available on each flight each way for each QAR. Scheduled commercial flights are not available.

There is no regularly scheduled aircraft service to the site. Charter aircraft flights carrying USACE personnel shall be DOD Commercial Review Board approved under Public Law 99-661 and DOD Directive 5500.53. Dates and times of transportation will be coordinated with the designated charter aircraft travel representative (SATO 753-2560).

C.1.12 MEALS FOR GOVERNMENT PERSONNEL

The Contractor shall furnish meals to USACE personnel employed on the work, and to all Government representatives authorized by the Contracting Officer. The number of Government personnel requiring meals will not exceed an average of 2 for the life of the contract, nor a maximum of 4 at any one time. Meals furnished shall be adequate to sustain good health and shall be equivalent in quality to meals furnished to the Contractor's personnel. Messing facilities shall meet with all prescribed safety, sanitation and health requirements.

C.1.13 ONSITE INFIRMARY

The Contractor shall provide a full-time onsite infirmary at all times work is in progress. Comply with EM 385-1-1 (latest edition) regarding the infirmary and staffing. Replace paragraph 03.C.03b., of EM 385-1-1 with the following:

The Contractor shall utilize a properly equipped emergency vehicle, helicopter, or mobile first aid unit stationed in Nome, Alaska, for medical assistance or emergency personnel evacuation from the work site upon telephone or radio notification. The vehicle is not required to be on call at all times solely for this project.

C.1.14 GENERAL INFORMATION

C.1.14.1 Asbestos-Containing Materials (ACM)

Buildings that previously existed at the site contained ACM. Consequently, scattered debris that remains at the site includes ACM.

C.1.14.2 Lead Based Paint

Painted items remaining at the site contain lead-based paint. Reported lead concentrations in paint from sampled items ranged from 2,570 to 288,000 mg/kg. Assume that all paint at the site, including paint on the tram towers, contains lead.

C.1.14.3 PCBs in Paint

Painted debris may contain PCBs in the paint. Sampling for PCBs in paint was conducted at three former buildings at the AFS Operations Area considered representative of buildings in that area of the site. Samples of applied dried paint contained more than 50 mg/kg PCBs, and leached less than 10 µg/L PCBs using TCLP methodology. Sampling and analysis for PCBs was also conducted at WAC site buildings. Building composite sample results were below 10 mg/kg PCBs, based on the whole building as the waste stream.

C.1.14.4 Debris Removal Considerations

Items that were not intentionally brought to the site by the U.S. military, such as natural wood, shall not be considered debris.

The Contractor shall observe debris while handling to identify potential CON/HTW items. Notify USACE if CON/HTW items are identified amongst the debris. Removal of CON/HTW items, if identified, will be addressed by contract modification.

ACM debris exists at the site, including transite siding, cement-asbestos board (CAB), and other materials. This debris is to be removed under various contract line items. The Contractor shall comply with applicable laws and regulations when handling, packaging, transporting and disposing ACM.

Where partially buried debris is encountered, it shall be either removed from the ground or cut off at or below the ground surface, whichever involves less effort.

C.1.15 TITLE TO MATERIALS

Title to all non-hazardous materials, debris and equipment to be removed from the site is vested in the Contractor upon receipt of notice to proceed. USACE will not be responsible for the condition, loss, or damage to such property after Notice to Proceed.

For hazardous materials, including materials regulated by RCRA or TSCA, the Contractor shall be held fully responsible for proper handling, classification, packaging, marking, labeling, placarding, transporting, and disposal of these materials in accordance with all applicable

Federal, State, and local laws and regulations. The Contractor is responsible for the condition, loss, or damage to these materials.

C.1.16 SALVAGE AND RECYCLING

In the interest of conservation, salvage and recycling shall be pursued to the maximum extent practicable.

C.1.17 NATIVE SUBSISTENCE

An Alaska Native subsistence camp is located at the Northeast Cape site. Alaska Native hunting, fishing, or gathering at these sites shall not be interfered with. The following general information is provided:

- Summer/Fall: Reindeer are hunted in the area throughout the year. Pacific salmon and arctic char are caught near the camp during summer and fall. Sea birds, sea bird eggs, and berries are also harvested near this location.
- Winter/Spring: During winter and spring, hunting is the main activity near the subsistence camp. Animals hunted are reindeer, walrus, polar bears, and seals.

C.1.18 USACE CONTRACT ADMINISTRATION

This contract will be administered by CEPOA-CT (USACE Alaska District office). This contract will be managed on a day-to-day basis by CEPOA-CO-NA-FR (USACE Northern Area Office, Fairbanks Resident Office) in coordination with the Contracting Officer at Alaska District Offices at Elmendorf Air Force Base.

C.1.19 SCOPE OF WORK TABLES

The following tables are provided as ATTACHMENT 01 and should be referred to when reading this section.

- TABLE CLIN0005 - WIRE AND CABLE REMOVAL ALONG TRAM
- TABLE CLIN0006 - TRAM AND WATERLINE REMOVAL
- TABLE CLIN0007 –DEBRIS REMOVAL, UPPER MOUNTAIN
- TABLE CLIN0008 –DEBRIS REMOVAL FROM GRAVEL PADS, ROADS, AND CARGO BEACH
- TABLE CLIN0009 –DEBRIS REMOVAL, LOWER MOUNTAIN ON TUNDRA/MUSKEG
- TABLE CLIN0010 – MITIGATE PCB CONTAMINATED CONCRETE

C.2 MEASUREMENT, PAYMENT, AND CONTRACT COST BREAKDOWN

C.2.1 MEASUREMENT

C.2.1.1 Lump Sum

Each lump sum item will be measured for payment as a complete item.

C.2.1.2 Ton

Tonnage of soils and debris shall be as weighed on scales located onsite provided by the Contractor. The unit weight shall be a ton of 2,000 pounds. Copies of waybills and delivery tickets for all material removed shall be submitted to the Contracting Officer during the progress of the job.

C.2.1.2.1 Scales

Weighing equipment shall be of sufficient capacity to weigh the transporting vehicle both empty and loaded and shall conform to the applicable requirements of NIST HB 44. The Contractor shall have the scales calibrated and certified by the State of Alaska Department of Transportation & Public Facilities, Division of Measurement Standards, at the onset of site work and periodically as determined necessary by the Contracting Officer. All associated costs shall be borne by the Contractor. Note that the State may require reimbursement of travel expenses.

C.2.1.3 Acre

An acre shall be 43,560 square feet measured on horizontal plane.

C.2.1.4 Day

A day shall be 24 hours.

C.2.2 PAYMENT

Payment will be made at the contract unit price. The price for each item shall constitute full compensation for furnishing all labor, equipment, and materials, and performing all operations necessary to complete the work in accordance with the contract requirements. Payment shall be considered as full compensation, notwithstanding that minor features of the work to complete the item may not be mentioned.

No separate payment will be made for work covered under the separate sections of the contract; all costs associated with the separate sections of the contract shall be included in the contract unit and/or lump sum prices in the Proposal Schedule.

C.2.2.1 Payment for Mobilization and Preparatory Work

USACE will make payment to the Contractor for mobilization and demobilization under CLIN 0001 and work site access under CLIN 0003, as follows:

- (1) For plant and equipment exceeding \$25,000 in value per unit (as appraised by the USACE QAR) acquired for the execution of the work;
- (2) Transportation of all plant and equipment to the site;
- (3) Material purchased for the prosecution of the contract, but not to be incorporated in the work;
- (4) Improvement of access roads, and installation of camp facilities and work facilities including staging areas and scales;
- (5) Personal services; and
- (6) Hire of plant.

Requests for payment must include:

- (1) A certified account of the Contractor's actual expenditures;
- (2) Supporting documentation, including receipted bills or certified copies of payrolls and freight bills; and
- (3) The Contractor's certificate:
 - (i) Showing that it has acquired the plant, equipment, and material free from all encumbrances;
 - (ii) Agreeing that the plant, equipment, and material will not be removed from the site without written permission of the Contracting Officer; and
 - (iii) Agreeing that structures and facilities prepared or erected for the prosecution of the contract work will be maintained and not dismantled prior to the completion and acceptance of the entire work, without the written permission of the Contracting Officer.

Upon receiving a request for payment, USACE will make payment, less any prescribed retained percentage, if:

- (1) The Contracting Officer finds the:
 - (i) Plant, material, equipment, and the mobilization and preparatory work performed are suitable and necessary to the efficient prosecution of the contract; and
 - (ii) Preparatory work has been done with proper economy and efficiency.

(2) Payments for plant, equipment, material, and structures and facilities prepared or erected for prosecution of the contract work do not exceed:

(i) The Contractor's cost for the work performed less the estimated value upon completion of the contract; and

(ii) 100 percent of the cost to the Contractor of any items having no appreciable salvage value; and

(iii) 75 percent of the cost to the Contractor of items which do have an appreciable salvage value.

Payments will continue to be made for applicable contract line items, and all payments will be deducted from the contract price for the item, until the total deductions reduce this item to zero, after which no further payments will be made under this item.

If the total of payments so made does not reduce this item to zero, the balance will be paid to the Contractor in the final payment under the contract.

C.2.3 CONTRACT COST BREAKDOWN

The Contractor shall furnish within 30 days after the date of Notice to Proceed, and prior to the submission of its first partial payment estimate, a breakdown of its lump-sum pay item or items which will be reviewed by the Contracting Officer as to propriety of distribution of the total cost to the various accounts. Any unbalanced items as between early and late payment items or other discrepancies will be revised by the Contracting Officer to agree with a reasonable cost of the work included in the various items. Revisions made by the Contracting Officer will be submitted to the Contractor for review and comment. This contract cost breakdown will then be utilized as the basis for progress payments to the Contractor.

C.3 SUBMITTALS

C.3.1 SUBMITTAL CLASSIFICATION

All submittals shall comply with the contract requirements. Governmental acceptance is required for submittals designated GA. This applies to submittals that will be checked by USACE. Submittals not requiring Government acceptance will be for information only, designated FIO.

C.3.2 ACCEPTED SUBMITTALS

The Contracting Officer's acceptance of submittals shall not be construed as a complete check, but will indicate only that the general method of work, materials, detailing and other information are satisfactory and appear to comply with the contract. Acceptance will not relieve the Contractor of the responsibility to comply with the contract requirements, or for any error which may exist, as the Contractor under the Contractor Quality Control (CQC) requirements of this contract is responsible for the satisfactory completion of all work. After submittals have been accepted by the Contracting Officer, no re-submittal for the purpose of substituting materials or equipment will be considered unless accompanied by an explanation of why a substitution is necessary.

C.3.3 UNACCEPTABLE SUBMITTALS

The Contractor shall make all corrections required by the Contracting Officer and promptly furnish a corrected submittal in the form and number of copies specified for the initial submittal. If the Contractor considers any correction indicated on the submittals to constitute a change to the contract, a notice in accordance with the Contract Clause "Changes" shall be given promptly to the Contracting Officer.

C.3.3.1 Withholding of Payment

Payment for submittals will not be made if required acceptance has not been obtained. No adjustment for time or money will be made for re-submittals of planning documents required as a result of noncompliance.

C.3.4 ELECTRONIC DELIVERABLES

Electronic deliverables shall conform to the document titled Alaska District Corps of Engineers Environmental Program Manual for Electronic Deliverables, dated January 2003. A copy of the document is provided as ATTACHMENT 16.

C.3.4.1 Additional Instructions for PDF Deliverables

Administrative Records are being developed by USACE for FUDS projects. The program uses the Project Information Retrieval System (PIRS), which requires documents in specific PDF format. As a result, specific instructions for PDF submittals under this contract follow.

All documents shall be delivered in the Adobe PDF format 1.4 (compatible with Acrobat 5.0) with searchable text using the original image. Files printed from scanned documents shall be as legible as the originals. Care shall be taken to optimize the scanning settings to ensure to avoid excessive PDF file size. All scanned documents shall be assembled into the fewest number of individual files as appropriate and grouped according to project task. The PDF file generation settings shall be submitted in writing and approved by USACE.

The Contractor shall prepare all documents as follows.

3.4.1.1 Adobe PDF Version

The PDF file shall be in PDF Version 1.4, or later which is compatible with Acrobat 5.0.

3.4.1.2 Format

PDF Image + Searchable Text Conversion contains a bitmapped image of the original, and a hidden layer of searchable text. The conversion process shall involve scanning the hardcopy original, performing OCR (Optical Character Recognition) to capture the text of the document, and distilling the two layers into a PDF searchable image file. The PDF searchable image files shall be as legible as the original.

3.4.1.3 Indexing

The Contractor shall ensure that the PDF/Searchable Image files shall be able to be indexed for full-text retrieval by any search engine capable of indexing PDF files.

3.4.1.4 Bookmarks

The Contractor shall bookmark all major section headings, and table of contents according to the document table of contents to provide quick access to specific areas of the PDF document in order to have retrieval of chapters, sections, and appendices one click away.

3.4.1.5 Document Title

The PDF file shall be titled according to the following standard: DERP FUDS Project Number - Project Name - Document Name - Document Date. For example, the Archive Search Report Findings for Olathe Naval Air Station (DERP-FUDS Project Number B07KS002904) would be named “B07KS002904 – Olathe Naval Air Station – Archive Search Report Findings – July 1995”.

3.4.1.6 Document Security

Each PDF file shall have the following document security settings applied. The Master Password will be “DERP-FUDS PIRS”.

- Security Method: Adobe Standard Security

- Encryption Level: 128-bit RC4 (Acrobat 4.0)
- User Password: No.
- Master Password: Yes.
- Printing: Fully Allowed.
- Changing the Document: Not Allowed.
- Copying Content or Extraction: Allowed
- Authoring Comments and Form Fields: Not Allowed.
- Form Field Filling or Signing: Not Allowed.
- Content Accessibility Enabled: Allowed.
- Document Assembly: Not Allowed.

3.4.1.7 Document Options

- Fast Web Viewing. The PDF file shall be saved to optimize the file for Fast Web Viewing.
- Background PDF Downloading. The PDF shall be created to permit background PDF downloading.

3.4.1.8 Document Open Options

- Initial View: Bookmarks and Page.
- Page Number: 1
- Magnification: Fit in Window
- Window Options: Resize Window to initial page, and Display Title

3.4.1.9 File Naming Convention

Each PDF file shall be individually named by the list below. Between each item there shall be an underscore and no spaces.

- DERP-FUDS Project Number. 11 characters. For Northeast Cape it is “F10AK096901”.
- Document Type. The number associated with each document type following the convention in EP 1110-3-8 shall be used.
- Increment. This field is to accommodate when there are two or more documents from the same DERP-FUDS project site of the same document type. This field shall always be used, even when only one document exists. The field shall be a 4 character numerical sequence. The first file shall be 0001, the second 0002, etc.
- ARAMS number. For Northeast Cape it is “200-1e”
- File Extension will be “PDF”.
- For example, the file name for the Archive Search Report Findings for Olathe Naval Air Station (DERP-FUDS Project Number B07KS002904) will be “B07KS002904_1.02_0001_ARAMS#.pdf”.

3.4.1.10 Scanning Standards

The Contractor shall scan the all pages according the following:

Document Type	Color Type	Scanning Resolution (dpi)
Black & White Text	Binary	300
Black & White drawing/map	Binary	150
Grayscale photo/drawing/map	Black & White Photo 16 Shades of grey	150
Color Photo/drawing/map	Color Photo 256 colors	150

3.4.1.11 Image Orientation

All pages shall be at the correct orientation, i.e. text shall be readable without rotating the pages.

3.4.1.12 Deskewing

If necessary, pages shall be deskewed to ensure that correct page orientation

3.4.1.13 Delivery and Media Format

A copy of all files, and all project related submission documents developed under this contract shall be delivered to USACE on electronic digital media with each progress submission. All submittals shall be provided in their native electronic digital format and shall be provided on electronic read only disk(either CD-ROM or DVD+RW format disks). The electronic digital media shall be in the format that can be read and processed by USACE's target Intel based computer system. Each disk shall have an index file created in Microsoft Excel placed in its root directory named "index.xls" that shall contain as a minimum a list of the filenames, their directory location on disk, and a brief description of their content. The files shall be copied to the delivery media using standard DOS copy commands, or other methodology approved in writing by USACE, in an orderly directory structure approved by USACE. At a minimum, each directory shall contain the DERP-FUDS project number. This directory structure shall be approved at least 5 working days prior to the initial submittal. The external label for each electronic digital media shall contain, as a minimum, the following information:

- The Contract Number (and Delivery Order Number if applicable) and date.
- The format and version of operating system software.
- The sequence number of the digital media.
- The FUDS project number and name.
- The document type (from App J) and document title
- The document date
- The file name

- File size

C.3.5 SUBMITTALS REQUIRED UNDER THIS CONTRACT

Submittals required under this contract follow.

C.3.5.1 Project Schedule – Provide a project schedule for GA.

Within 14 calendar days after receiving Notice to Proceed, the Contractor shall prepare and submit a practicable schedule showing the order in which the Contractor proposes to perform the work, and the dates on which the Contractor contemplates starting and completing the salient features of the work. The schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completions by any given date during the period.

If the Contractor fails to submit a schedule within the time prescribed, the Contracting Officer may withhold approval of progress payments until the Contractor submits the required schedule.

The Contractor shall enter the actual progress on the chart, and upon doing so shall immediately deliver three copies of the annotated schedule to the Contracting Officer. If the Contractor falls behind the accepted schedule, the Contractor shall take steps necessary to improve its progress without additional cost to USACE.

C.3.5.1 Planning Documents – All planning documents are GA, except the Site Safety and Health Plan, which is FIO.

Provide the following planning documents.

- Work Plan;
- Site Safety and Health Plan;
- Contractor Quality Control Plan;
- Storm Water Pollution Prevention Plan;
- Environmental Protection Plan;
- Waste Management Plan;
- Demolition Plan;
- Sampling and Analysis Plan, including Field Sampling Plan and Quality Assurance Project Plan; and
- Blasting Safety Plan (only if blasting is to be conducted by Contractor).

Where there is duplication between planning documents, reference between documents is acceptable.

C.3.5.1.1 Development of Planning Documents

The Planning Documents shall be based on the Contract documents, information made available to the Contractor, and information obtained from the pre-mobilization site visit. Development of

comprehensive planning documents shall be a phased process, consisting of the following submittal stages:

- Draft;
- Draft Final; and
- Final.

C.3.5.1.1.1 Submittal Schedule for Planning Documents

The submittal timing requirements follow.

- Submit the Draft Planning Documents within 90 calendar days after receipt of Notice to Proceed.
- Allow 45 calendar days for review of the Draft Planning Documents by USACE and regulatory agencies. USACE will transmit the Planning Documents to agencies (as required). USACE will coordinate receipt of review comments and transmit them to the Contractor.
- Submit written responses to review comments within 15 calendar days following Contractor receipt of review comments.
- Provide for Contractor and Subcontractor (as applicable) participation in a 2-day working session / review conference to discuss the Draft Planning Documents and review comments.
- Submit the Draft Final Planning Documents within 15 calendar days after the review conference.
- Allow 30 calendar days for review of the Draft-Final Planning Documents by USACE and regulatory agencies. USACE will transmit the Planning Documents to agencies (as required). USACE will coordinate receipt of review comments and transmit them to the Contractor.
- Submit written responses to review comments within 15 calendar days following Contractor receipt of review comments.
- Provide for Contractor and Subcontractor (as applicable) participation in a 1-day review conference to discuss the Draft-Final Planning Documents and review comments.
- Submit the Final Planning Documents within 15 calendar days following the review conference.
- The Final Planning Documents, as modified, shall incorporate the USACE concerns and contract requirements. The Final Planning Documents will be back-checked by USACE to verify review comments have been addressed. The Final Planning Documents will be returned for revision if they do not comply with contract requirements or address the USACE concerns indicated in prior review comments.

Acceptance of the Planning Documents is required prior to the start of field activities. No change in the accepted plans shall be implemented without written concurrence of the Contracting Officer. The USACE reserves the right to require the Contractor to make changes in his Planning Documents and operations as necessary to obtain the quality required.

Note that Government review of a Blasting Safety Plan, if submitted, will require 60 calendar days. Therefore, the review process for the Blasting Safety Plan will be conducted separately from the other Planning Documents described above.

C.3.5.1.1.2 Distribution and Number of Copies

The number of copies required follows.

Submittal	Required Distribution by Contractor
Draft Planning Documents	CEPOA-CO-NA-OE - 4 hardcopies plus 1 electronic copy on CD CEPOA-PM-C – 3 hardcopies plus 1 electronic copy on CD
Draft-Final Planning Documents	CEPOA-CO-NA-OE - 3 hardcopies plus 1 electronic copy on CD CEPOA-PM-C – 4 hardcopies plus 1 electronic copy on CD Community – See Paragraph titled DISTRIBUTION OF PLANNING DOCUMENTS AND REPORTS TO COMMUNITY.
Final Planning Documents	CEPOA-CO-NA-OE - 3 hardcopies plus 1 electronic copy on CD CEPOA-PM-C – 4 hardcopies plus 1 electronic copy on CD Community – See Paragraph titled DISTRIBUTION OF PLANNING DOCUMENTS AND REPORTS TO COMMUNITY.

See paragraph titled USACE DISTRIBUTION INFORMATION for contact information. See paragraph titled DISTRIBUTION OF PLANNING DOCUMENTS AND REPORTS TO COMMUNITY for community contact information.

Hardcopies of draft and draft-final Planning Documents shall be comb-bound or 3-ring bound. Hardcopies of final Planning Documents shall be 3-ring bound.

C.3.5.1.2 Work Plan (WP)

The Contractor shall submit a Work Plan (WP). The WP, which is written by the Contractor, describes the Contractor's approach for the performance of the work specified in this contract. The WP is based upon the scope of work. The WP describes the activities that will be performed in the field and office by the Contractor. The WP shall be signed by the Project Manager and the Site Superintendent. The Work Plan shall contain the following at a minimum:

- Introduction;
- Contract objectives;

- Scope of work;
- A detailed description of each major work feature and the procedures to be used to accomplish the work;
- Key personnel to be used on the project and their responsibilities; abbreviated resumes (not more than two pages per person) of each person. All resumes shall include appropriate certification numbers and training;
- Applicable laws and regulations
- A schedule that presents the length of the individual tasks within the statement of work, interrelationships between the tasks and other key milestones;
- Permits, licenses, and certificates, identification number, and location of the disposal facilities;
- Site Plan (see section titled TEMPORARY FACILITIES);
- Site control measures; and
- Logs, reports, regulatory forms, and record-keeping to be utilized.

C.3.5.1.3 Site Safety and Health Plan

A SSHP shall be prepared covering onsite work to be performed by the Contractor and all subcontractors, including work under all contract line items. The Safety and Health Manager shall be responsible for the development, implementation and oversight of the SSHP. The SSHP shall establish, in detail, the protocols necessary for the anticipation, recognition, evaluation, and control of hazards associated with each task performed. The SSHP shall address site-specific safety and health requirements and procedures based upon site-specific conditions. The level of detail provided in the SSHP shall be tailored to the type of work, complexity of operations to be performed, and hazards anticipated. Details about some activities may not be available when the initial SSHP is prepared and submitted. Therefore, the SSHP shall address, in as much detail as possible, anticipated tasks, their related hazards and anticipated control measures. Additional details shall be included in the activity hazard analyses.

C.3.5.1.3.1 Elements of the SSHP

Topics required by 29 CFR 1910, Section .120 (b)(4) 29 CFR 1926, Section .65 (b)(4) and the Accident Prevention Plan as described in Appendix A of EM 385-1-1 (latest revision) and those described in this section shall be addressed in the SSHP. Where the use of a specific topic is not applicable to the project, the SSHP shall include a statement to justify its omission or reduced level of detail and establish that adequate consideration was given the topic. This project involves demolition of structures. Sampling and testing have indicated that asbestos, lead-based paint, and PCBs in paint/caulk are present at the site. The SSHP shall address potential worker exposure to lead-based paint, PCBs in paint and caulking, and asbestos. The SSHP shall address worker exposure to both the known contaminants and contaminants that may have been missed during prior surveys. Personal protective equipment, engineering controls, and methods of demolition shall be considered, as appropriate.

Include an Airstrip Operations Plan in accordance with Section titled SAFETY.

C.3.5.1.3.2 SSHP Requirements

The SSHP shall include a site description and contamination characterization section that addresses the following elements:

- Description of site location, topography, size and past uses of the site.
- Site sketch/map. Preferably a topographical or relief map.
- A list of contaminants that may present occupational health and safety hazards. The list shall be created by reviewing and evaluating available documentation. Chemical names, concentration ranges, media in which found, locations onsite, and estimated quantities/volumes to be impacted by site work shall be included if known. The contamination characterization shall be reviewed and revised if new chemicals are identified as work progresses.

C.3.5.1.3.3 Hazard/Risk Analysis

The SSHP shall include a safety and health hazard/risk analysis for each site task and operation to be performed. The hazard/risk analysis shall provide information necessary for determining safety and health procedures, equipment, and training to protect onsite personnel, the environment, and the public. Available site information shall be reviewed when preparing the "Hazard/Risk Analysis" section of the SSHP.

The SSHP shall include a comprehensive section that addresses the tasks and objectives of the site operations and the logistics and resources required to reach those tasks and objectives.

C.3.5.1.4 Contractor Quality Control Plan

The Contractor shall furnish the Contractor Quality Control (CQC) Plan proposed to implement the quality control and inspection requirements of the contract. The plan shall identify personnel, procedures, control, instructions, tests, records, and forms to be used. Work will be permitted to begin only after acceptance of the CQC Plan or acceptance of an interim plan applicable to the particular feature of work to be started. Work outside of the features of work included in an accepted interim plan will not be permitted to begin until acceptance of a CQC Plan or another interim plan containing the additional features of work to be started.

C.3.5.1.4.1 Contents of the CQC Plan

The CQC Plan shall include, as a minimum, the following to cover all operations, both onsite and offsite, including work by subcontractors, fabricators, suppliers, and purchasing agents:

- A description of the quality control organization, including a chart showing lines of authority and acknowledgment that the CQC staff shall implement the three phase control system for all aspects of the work specified. The staff shall include a CQC System Manager who shall report to the project superintendent.
- The name, qualifications (in resume format), duties, responsibilities, and authorities of each person assigned a CQC function.

- A copy of the letter to the CQC System Manager signed by an authorized official of the firm which describes the responsibilities and delegates sufficient authorities to adequately perform the functions of the CQC System Manager, including authority to stop work which is not in compliance with the contract. The CQC System Manager shall issue letters of direction to all other various quality control representatives outlining duties, authorities, and responsibilities. Copies of these letters shall also be furnished to USACE.
- Procedures for scheduling, reviewing, certifying, and managing submittals, including those of subcontractors, offsite fabricators, suppliers, and purchasing agents.
- Control, verification, and acceptance testing procedures for each specific test to include the test name, specification paragraph requiring test, feature of work to be tested, test frequency, and person responsible for each test. (Laboratory facilities will be accepted by the Contracting Officer.)
- Procedures for conducting and tracking preparatory, initial, and follow-up control phases and control, verification, and acceptance tests including documentation.
- Procedures for tracking deficiencies from identification through acceptable corrective action. These procedures shall establish verification that identified deficiencies have been corrected.
- Reporting procedures, including proposed reporting formats.
- A list of the definable features of work. A definable feature of work is a task which is separate and distinct from other tasks, has separate control requirements, and may be identified by different trades or disciplines, or it may be work by the same trade in a different environment. Although each section of the specifications may generally be considered as a definable feature of work, there are frequently more than one definable features under a particular section. This list will be agreed upon during the coordination meeting.

C.3.5.1.5 Storm Water Pollution Prevention Plan

The Contractor shall prepare a Storm Water Pollution Prevention Plan (SWPPP) to obtain coverage under the 2003 Construction General Permit (Federal Register citation July 1, 2003 page 39087 – 39091). The SWPPP shall be signed by a Professional Engineer registered in the State of Alaska (contractor provided).

Information on the permit is available at the following website:

<http://cfpub.epa.gov/npdes/stormwater/cgp.cfm>

C.3.5.1.5.1 Notice of Intent

The Contractor shall complete EPA Form 3510-9, Notice of Intent for Storm Water Discharges Associated with CONSTRUCTION ACTIVITY Under a NPDES General Permit (NOI).

C.3.5.1.5.2 Filing

The Contractor shall utilize the EPA website to register with EPA and conduct electronic filing of the NOI. USACE Northern Area Office will complete a separate Form 3510-9 and file it electronically.

In accordance with applicable requirements, no on-site work may be performed until seven days after the documents have been filed, notwithstanding any other provisions of the contract.

C.3.5.1.5.3 ADEC

The Contractor shall submit a copy of Form 3510-9 (NOI) and the SWPPP to the Alaska Department of Environmental Conservation (ADEC) in accordance with State of Alaska regulations. The Contractor shall determine and pay the ADEC review fee. Provide documentation of fee payment to USACE Northern Area Office.

The ADEC contact is:

Mr. Gregory Drzewiecki, Water Quality Permitting Section/Storm Water, Division of Air and Water Quality, Department of Environmental Conservation, 555 Cordova Street, Anchorage, Alaska 99501.

C.3.5.1.6 Environmental Protection Plan (EPP)

The Contractor shall prepare and submit an environmental protection plan (EPP). Acceptance of the Contractor's plan will not relieve the Contractor of responsibility for adequate and continuing control of pollutants and other environmental protection measures. The EPP shall include, but shall not be limited to, the following items.

- A list of Federal, State, and local laws, regulations, and permits concerning environmental protection, pollution control and abatement that are applicable to the Contractor's proposed operations and the requirements imposed by those laws, regulations, and permits.
- Methods for protection of features to be preserved within authorized work areas like trees, shrubs, vines, grasses and ground cover, landscape features, air and water quality, fish and wildlife, soil, historical, archaeological, and cultural resources.
- Procedures to be implemented to provide the required environmental protection, to comply with the applicable laws and regulations, and to correct pollution due to accident, natural causes, or failure to follow the procedures of the environmental protection plan.
- Management plan for solid waste disposal.
- Drawings showing locations of any proposed temporary excavations or embankments for haul roads, stream crossings, material storage areas, structures, sanitary facilities, and stockpiles of excess or spoil materials.
- Environmental monitoring plans for the job site, including land, water, air, and noise monitoring.
- Traffic control plan including measures to reduce erosion of temporary roadbeds by traffic, especially during wet weather.
- Methods of protecting surface and ground water during work activities.

- Plan showing the proposed activity in each portion of the work area and identifying the areas of limited use or nonuse. Plan should include measures for marking the limits of use areas.
- Drawing of borrow area location. Protection measures required at the work site shall apply to the borrow areas.
- A recycling and waste prevention plan with a list of measures to reduce consumption of energy and natural resources.
- Training for Contractor's personnel during the work period.
- Spill prevention control and countermeasure (SPCC) plan for Contractor's fuel.

The Storm Water Pollution Prevention Plan is a separate document, and need not be re-stated in the EPP.

C.3.5.1.7 Waste Management Plan

The Contractor shall prepare a waste management plan detailing the manner in which hazardous wastes and non-hazardous wastes shall be managed onsite and offsite and describing the types and volumes of wastes anticipated to be managed as well as the management practices to be utilized. The plan shall identify the method to be used to ensure accurate piece counts and/or weights of shipments; shall identify waste minimization methods; shall propose facilities to be utilized for treatment, storage, and/or disposal; shall identify areas on-site where wastes are to be handled; shall identify whether transfer facilities are to be utilized; and if so, how the wastes will be tracked to ultimate disposal.

The Contractor, in consultation with the Transportation and Disposal Coordinator, shall identify all waste codes applicable to each hazardous waste stream based on requirements in 40 CFR 261 or any applicable State or local law or regulation. The Contractor shall also identify all applicable treatment standards in 40 CFR 268 and State land disposal restrictions and shall make a determination as to whether or not the waste meets or exceeds the standards. Waste profiles, analyses, classification and treatment standards information shall be submitted to Contracting Officer for review and acceptance.

The Contractor shall be responsible for ensuring compliance with all Federal, State, and local hazardous waste laws and regulations and shall verify those requirements when preparing reports, waste shipment records, hazardous waste manifests, or other documents. The Contractor shall identify hazardous wastes using criteria set forth in 40 CFR 261 or all applicable State and local laws, regulations, and ordinances. When accumulating hazardous waste on-site, the Contractor shall comply with generator requirements in 40 CFR 262 and any applicable State or local law or regulations. On-site accumulation times shall be restricted to applicable time frames referenced in 40 CFR 262, Section .34 and any applicable state or local law or regulation. Accumulation start dates shall commence when waste is first generated (i.e., containerized or otherwise collected for discard). The Contractor shall only use containers in good condition and compatible with the waste to be stored. The Contractor shall be responsible for ensuring containers are closed except when adding or removing waste. The Contractor shall be responsible for immediately marking all hazardous waste containers with the words "hazardous waste" and other information required by 40 CFR 262, Section .32 and any applicable State or

local law or regulation as soon as the waste is containerized. An additional marking shall be placed on containers of "unknowns" designating the date sampled, and the suspected hazard. The Contractor shall be responsible for inspecting containers for signs of deterioration and shall be responsible for responding to any spills or leaks. The Contractor shall inspect all hazardous waste areas weekly and shall provide written documentation of the inspection. Inspection logs shall contain date and time of inspection, name of individual conducting the inspection, problems noted, and corrective actions taken. A copy of the inspection logs shall be attached to the Daily Quality Control Reports.

C.3.5.1.8 Demolition Plan

The Demolition Plan shall describe the procedures proposed for the accomplishment of the demolition work. The procedures shall provide for safe conduct of the work, including procedures and methods to provide necessary supports, lateral bracing and shoring when necessary, careful removal and disposition of materials, protection of property which is to remain undisturbed, and coordination with other work in progress. The procedures shall include a detailed description of the methods and equipment to be used for each operation, and the sequence of operations in accordance with EM 385-1-1.

C.3.5.1.9 Sampling and Analysis Plan (SAP)

The SAP shall be prepared in accordance with EM 200-1-3 and ADEC requirements. The SAP shall be a single document that contains two distinct elements: Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP). Sections of the FSP and QAPP may be cross-referenced. The SAP shall confirm the Contractor's understanding of the contract requirements for chemical data quality control, and shall describe procedures for field sampling and sample submittal for analysis, field chemical parameter measurement, data documentation, data assessment and data reporting requirements. The SAP shall delineate the methods the Contractor intends to use to accomplish the chemical quality control items to assure accurate, precise, representative, complete, legally defensible and comparable data. The SAP shall describe all chemical parameter measurements for all matrices for all phases of the remediation contract. As a single interrelated document, the SAP shall be provided to field and laboratory personnel. The Contractor may propose original/innovative approaches to chemical parameter measurements for cost reduction and remediation efficiency by abbreviated sampling, contingency sampling and/or contingency analysis, indicator or tracer analysis, onsite analytical services, equivalency or screening methods. The SAP shall clearly identify the Contractor-obtained laboratories. The Contractor shall furnish copies of the USACE-accepted SAP to all laboratories and the Contractor's field sampling crew. The SAP shall address all levels of the investigation with enough detail to become a document which may be used as an audit guide for field and laboratory work.

C.3.5.1.9.1 Field Sampling Plan (FSP)

The FSP shall contain necessary technical detail and direction for the field personnel to understand sampling and field measurement requirements. The FSP shall provide a comprehensive description and full detail for personnel to perform all onsite activities required to

attain project DQO, including: locations of samples, sampling procedures for onsite and offsite chemical analysis, summaries of analyses to be performed on samples, shipment of samples for offsite analyses, performance of onsite and offsite instrumental parameter measurements, data documentation and reporting requirements.

C.3.5.1.9.2 Quality Assurance Project Plan

The QAPP shall contain necessary technical detail and direction for field and laboratory personnel to understand project sample analysis, quality control and data reporting requirements, analytical methods, required detection limits, QC requirements, and data review and reporting requirements.

The QAPP shall incorporate the names, education, experience qualifications, authorities, and decision-making responsibilities of all chemical quality management and support personnel. Chemical measurements including sampling and/or chemical parameter measurement will not be permitted to begin until after Government acceptance of the SAP. The QAPP shall contain a copy of a letter from the project CQC manager designating and authorizing a Chemical Quality Control Officer and chemical quality control organization staff.

Include a diagram, flow chart, or figure clearly depicting the chemical data quality management and support staff and the authority and responsibility of each for chemical sampling and analysis, procedures for corrective actions, deliverables and submittals, deviations and changes, chemical quality documentation, data validation, minimum data reporting requirements, and DQO for chemical parameter measurement by the Contractor and subcontractors.

C.3.5.1.10 Blasting Safety Plan

Prepare a Blasting Safety Plan in accordance with EM385-1-1 requirements if blasting is to be conducted during demolition. See the section titled SUMMARY OF WORK, paragraph titled USE OF EXPLOSIVES. Allow 60 calendar days for Government review of the Blasting Safety Plan.

C.3.5.2 Work Progress Submittals

Various submittals are required during the progress of the work. Submittals are described below.

C.3.5.2.1 Slope Waiver Application

See the section titled SUMMARY OF WORK, paragraph titled Slope Waiver for Cat Trail to Upper Mountain.

C.3.5.2.2 Personnel Qualifications - GA

Submit qualifications for the following personnel for Government acceptance prior to mobilizing to the site.

- Project Manager;
- Site Superintendent;
- CQC System Manager;
- Safety and Health Manager;
- Site Safety and Health Officer;
- Occupational Physician;
- Persons Certified in First Aid and CPR;
- Transportation and Disposal Coordinator;
- Chemical Quality Control Officer;
- Project Chemist;
- Environmental Sampler(s);
- Personnel handling ACM debris;

C.3.5.2.3 Daily CQC Reports; FIO.

The Contractor shall maintain current records providing factual evidence that required quality control activities and/or tests have been performed. These records shall include the work of subcontractors and suppliers and shall be on an acceptable form that includes, as a minimum, the following information:

- Contractor/subcontractor and their area of responsibility.
- Operating plant/equipment with hours worked, idle, or down for repair.
- Work performed each day, giving location, description, and by whom.
- Test and/or control activities performed with results and references to applicable contract requirements. The control phase shall be identified (Preparatory, Initial, Follow-up). List of deficiencies noted, along with corrective action.
- Quantity of materials received at the site with statement as to acceptability, storage, and reference to applicable contract requirements.
- Submittals and deliverables reviewed, with contract reference, by whom, and action taken.
- Offsite surveillance activities, including actions taken.
- Job safety evaluations stating what was checked, results, and instructions or corrective actions.
- Instructions given/received and conflicts in contract requirements.
- Contractor's verification statement.

These records shall indicate a description of trades working on the project; the number of personnel working; weather conditions encountered; and any delays encountered. These records shall cover both conforming and deficient features and shall include a statement that equipment and materials incorporated in the work and workmanship comply with the contract. The original and one copy of these records in report form shall be furnished to USACE daily within 24 hours after the date covered by the report, except that reports need not be submitted for days on which no work is performed. As a minimum, one report shall be prepared and submitted for every 7 days of no work and on the last day of a no work period. All calendar days shall be accounted for throughout the life of the contract. The first report following a day of no work shall be for

that day only. Reports shall be signed and dated by the CQC System Manager. The report from the CQC System Manager shall include copies of test reports and copies of reports prepared by all subordinate quality control personnel.

ATTACHMENT 13 is a sample daily report form.

C.3.5.2.4 Correspondence; FIO. Copies of all correspondence with other Government agencies (to include Corps of Engineers elements other than the Alaska District) shall be furnished to the Contracting Officer immediately upon issue or receipt. All Contractor correspondence with the ADEC, unless specified otherwise in this section shall be through the Contracting Officer with TO: and THROUGH: headings.

C.3.5.2.5 Permits; FIO. Copies of all permits obtained by the Contractor shall be provided to USACE immediately upon receipt. See Section titled PERMITS.

C.3.5.2.6 Safety and Health

C.3.5.2.6.1 Activity Hazard Analyses; FIO.

C.3.5.2.7 Chemical Data Quality Control

C.3.5.2.7.1 QA Laboratory Advance Notification (QALAN); FIO. The QA Laboratory Advance Notification (QALAN); it shall be provided to CEPOA-EN-ES-M (Julie Sharp-Dahl 907-753-5689) and CEPOA-CO-NA-OE (Sandy Kimbrell 907-353-7822) at least 14 calendar days prior to sample collection.

C.3.5.2.7.2 Chemistry Data Package; FIO. Three copies of the chemistry data package shall be provided within 45 days after the last laboratory sample in a given sample set arrives at the Contractor's laboratory. One copy shall be provided to each of the following: Contracting Officer, CEPOA-EN-ES-M (Julie Sharp-Dahl 907-753-5689), and CEPOA-CO-NA-OE (Sandra Kimbrell 907-353-7822).

The chemistry data package shall contain information to demonstrate that the project's DQO have been fulfilled. The QA function will compare QA sample results to corresponding primary sample results, will assess the Contractor's compliance with the SAP, and will recommend corrective action as necessary.

Chromatograms and other raw data, such as mass spectra, shall be provided to USACE in the Chemistry Data Package. Internal QC data generated during the project, including tabular summaries correlating sample identifiers with all blank, matrix spikes, surrogates, duplicates, laboratory control samples, and batch identifiers shall be included in the chemistry data package. Chemistry data shall also be provided according to Alaska District Standard Electronic Data File (EDF) Format. This format is posted on the Alaska District FTP server (as file name:/EDF Documentation/EDF 1_2a.pdf) and can be accessed via the Internet at the following address: ftp://ftp.poa.usace.army.mil/Electronic_Data_Deliverables/

The data package shall also include the chain of custody and the cooler receipt form with cooler temperature and custody seal integrity noted.

C.3.5.2.7.3 Chemical Data Final Report; GA. The CDFR shall be provided within 21 days of receiving the USACE Chemical Quality Assurance Report. Each report shall be labeled with the contract number, project name and location.

The CDFR shall be produced including a summary of quality control practices employed and all chemical parameter measurement activities after project completion. As a minimum, the CDFR shall contain the following.

- Summary of project scope and description.
- Summary of any deviations from the design chemical parameter measurement specifications.
- Summary of chemical parameter measurements performed as contingent measurements.
- Summary discussion of resulting data including achieving data reporting requirements.
- Summary of achieving project specific DQO.
- Summary of field and laboratory oversight activities, providing a discussion of the reliability of the data, QC problems encountered, and a summary of the evaluation of data quality for each analysis and matrix as indicated by the laboratory QC data and any other relevant findings.
- Conclusions and recommendations.
- Appendices containing: (2) Results of the Chemical Quality Assurance Report (CQAR). The CQAR is a Government produced document achieved through the inspection and analysis of QA samples and corresponding project sample data. The CQAR will include review of all QC parameters such as holding times, detection limits, method blanks, surrogate recoveries, matrix spikes and duplicates, and inter-laboratory and intra-laboratory data comparisons, and (3) summary tables for each medium "area". Tables shall be formatted as shown in Table A.1 of ADEC 1997. Each "area" shall be approximately a half-acre in size. If not designated, the Contractor shall designate and draw these areas as part of the report.

C.3.5.2.8 Transportation and Disposal of Hazardous Materials

C.3.5.2.8.1 Transportation and Disposal Qualifications; FIO. Provide copies of the current certificates of registration issued to the Contractor and/or subcontractors, or written statements certifying exemption from these requirements.

C.3.5.2.8.2 Waybills and Delivery Tickets; FIO. Provide copies of waybills and delivery tickets of containerized wastes during the progress of the work.

C.3.5.2.8.3 Off-Site Policy Compliance Certification; FIO. A letter certifying that EPA considers the facilities to be used for all off-site disposal to be acceptable in accordance with the Off-Site policy in 40 CFR 300, Section .440. This certification shall be provided for wastes from Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6901 et seq., sites as well as from

Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 42 U.S.C. 9601 et seq., responses.

C.3.5.2.8.4 Shipping Documents and Packagings Certification; FIO.

C.3.5.2.8.5 Transportation and Disposal Recordkeeping; GA. Information necessary to file state annual or EPA biennial reports for all hazardous waste transported, treated, stored, or disposed of under this contract. The Contractor shall not forward these data directly to the regulatory agency but to the Contracting Officer at the specified time. The submittal shall contain all the information necessary for filing of the formal reports in the form and format required by the governing Federal or state regulatory agency. A cover letter shall accompany the data to include the contract number, Contractor name, and project location.

C.3.5.2.8.6 Spill Response; FIO. In the event of a spill or release of a hazardous substance (as designated in 40 CFR 302), or pollutant or contaminant, or oil (as governed by the Oil Pollution Act (OPA), 33 U.S.C. 2701 et seq.), the Contractor shall notify the Contracting Officer immediately. If the spill exceeds a reporting threshold, the Contractor shall follow the pre-established procedures for immediate reporting to the Contracting Officer.

C.3.5.2.8.7 Exception Reports; GA. In the event that a manifest copy documenting receipt of hazardous waste at the treatment, storage, and disposal facility is not received within 35 days of shipment initiation, the Contractor shall prepare and submit an exception report to the Contracting Officer within 37 days of shipment initiation.

C.3.5.2.8.8 Transportation and Disposal Tracking Form; FIO. A Transportation and Disposal Tracking Form (Attachment B) shall be submitted continuously. A current form shall be provided to the Contracting Officer weekly starting the week with the first off-site shipment. A copy of the final Transportation and Disposal Tracking Form shall be included in the Removal Action Report.

C.3.5.2.8.9 Certificates of Disposal; FIO. Provide certificates documenting the ultimate disposal of hazardous wastes, polychlorinated biphenyls (PCBs), and/or asbestos within 180 days of initial shipment. Receipt of these certificates will be required for final payment.

C.3.5.2.8.10 Canadian Transit Notice; FIO.

C.3.5.2.8.11 Canadian Confirmation Letter, Canadian Manifest; FIO.

C.3.5.2.8.12 Notices of Non-Compliance and Notices of Violation; FIO. If it occurs, provide notices of non-compliance or notices of violation by a Federal, State, or local regulatory agency issued to the Contractor in relation to any work performed under this contract. The Contractor shall immediately provide copies of such notices to the Contracting Officer. The Contractor shall also furnish all relevant documents regarding the incident and any information requested by the Contracting Officer, and shall coordinate its response to the notice with the Contracting Officer or his designated representative prior to submission to the notifying authority. The Contractor shall also furnish a copy to the Contracting Officer of all documents

submitted to the regulatory authority, including the final reply to the notice, and all other materials, until the matter is resolved.

C.3.5.2.8.13 Waste Shipment Records; GA. Waste shipment records conforming to paragraph Complete Manifest Package in Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

C.3.5.2.8.14 Package Certification; FIO. Certification in accordance with paragraph Packaging, Labeling, and Marking in Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

C.3.5.2.8.15 Transportation and Disposal Tracking Form; FIO. Form in accordance with paragraph Transportation and Disposal Tracking Form in Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

C.3.5.2.8.16 Landfill Notification; FIO. Prior to shipment of waste from the site, the Contractor shall submit to the Contracting Officer proof of landfill notification in accordance with 40 CFR 761.

C.3.5.2.8.17 Notice of Landfill Acceptance; FIO. Prior to shipment of waste from the site, the Contractor shall submit to the Contracting Officer proof of landfill acceptance of the waste.

C.3.5.2.8.18 Transportation and Disposal Closure Report; GA. Report documenting transportation and disposal of wastes, conforming to paragraph Transportation and Disposal Closure Report in Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

C.3.5.2.9 As-Built Drawings

C.3.5.2.9.1 Preliminary As-Built Marked Prints; FIO. Submit a copy with each pay request, and at final inspection. See the section titled SURVEY AND AS-BUILT DRAWINGS.

C.3.5.2.9.2 Final As-Built Submittal; FIO. See the section titled SURVEY AND AS-BUILT DRAWINGS.

C.3.5.2.10 Storm Water Pollution Prevention

C.3.5.2.10.1 Notice of Termination; FIO. Upon completion of work at the project site, the Contractor shall prepare EPA Form 3510-13, Notice of Termination of Coverage Under the NPDES General Permit for Storm Water Discharges, in accordance with the requirements stated on the form. The completed form shall be submitted to the Contracting Officer within 10 days after the earliest date that final site conditions meet filing requirements. USACE will forward the form to the NPDES Program Director.

C.3.5.3 Removal Action Report

At the completion of the site work, prepare and submit a Removal Action (RA) Report for Government acceptance.

Include the following in the RA Report, at a minimum.

- The owner's name and address.
- The operator's name and address (if different from the owner).
- Location of the site, including: 1) The legal description by subdivision lot, block, or tract information; or by section lot, tax lot, or Government lot number; and 2) The meridian, township, range, section, and nearest quarter section locations within the section.
- Project scope.
- Project description to include dates.
- Project planning (include a listing of all accepted plans that work was performed under (WP, SAP, WMP, etc.).
- Narrative description of the general site inspection.
- A photographic history. A photographic history and description of the contract work to include pre-demolition and post-demolition photographs. Each print shall show the following information in typewritten format.
 - Location
 - Contractor
 - Date
 - Photograph number
 - Description
 - Direction of view
- Local climatologic conditions during the work.
- Documentation of materials handling to include: information on all regulated and hazardous materials, quantities removed, procedures utilized, copies of complete manifests, supporting documentation, and landfill receipts.
- Inventory of remaining waste, if any.
- Materials and equipment used.
- Surveyed site drawings that show: basis of coordinates, basis of bearing, coordinate system, location and configuration of remaining foundations, utilities, samples collected, and the proximity of buildings, a bar scale and north arrow, and any other pertinent information. Bar scales shall be consistent with an available unit on a standard engineer scale.
- Actual Geotechnical conditions encountered.
- Project modifications (if any).
- Changed conditions.
- Discussion of health and safety; reference the reader to the Safety and Health Close-Out Report.
- Sampling procedures.
- Summary of daily QC reports (DQCR).
- Analytical procedures.

- Data presentation. All tests results shall be submitted. Results shall be presented as the reports received from the laboratories and cross-referenced to summary sheets showing the date, time, location of the sample collected, and the name of the person who collected the samples. Provide the Chemical Data Final Report as an appendix to the Final RA Report.
- Field notes.
- ADEC forms (if any). Include the appropriate completed ADEC forms in an appendix.

C.3.5.3.1 Development of RA Report

Development of the RA Report shall be a phased process, consisting of the following submittal stages:

- Draft;
- Draft Final; and
- Final.

C.3.5.3.1.1 Submittal Schedule for RA Report

The submittal timing requirements follow.

- Submit the Draft RA Report within 60 calendar days after demobilization from the site. This draft submittal will be allowed to lack the Chemical Data Final Report, however it shall include tabulated preliminary results of sampling.
- Allow 45 calendar days for review of the Draft RA Report by USACE and regulatory agencies. USACE will transmit the RA Report to agencies (as required). USACE will coordinate receipt of review comments and transmit them to the Contractor.
- Submit written responses to review comments within 15 calendar days following Contractor receipt of review comments.
- Provide for Contractor and Subcontractor (as applicable) participation in a 1-day review conference to discuss the Draft RA Report and review comments.
- Submit the Draft-Final RA Report within 15 calendar days after the review conference.
- Allow 30 calendar days for review of the Draft-Final RA Report by USACE and regulatory agencies. USACE will transmit the RA Report to agencies (as required). USACE will coordinate receipt of review comments and transmit them to the Contractor.
- Submit written responses to review comments within 7 calendar days following Contractor receipt of review comments.
- Submit the Final RA Report within 15 calendar days following the review conference.
- The Final RA Report, as modified, shall incorporate the USACE concerns and contract requirements. The Final RA Report will be back-checked by USACE to verify review comments have been addressed. The Final RA Report will be returned for revision if it does not comply with contract requirements or address the USACE concerns indicated in prior review comments.

C.3.5.3.1.2 Distribution and Number of Copies

The number of copies required follows.

Submittal	Required Distribution by Contractor
Draft RA Report	CEPOA-CO-NA-OE - 3 hardcopies plus 1 electronic copy on CD CEPOA-PM-C – 4 hardcopies plus 1 electronic copy on CD
Draft-Final RA Report	CEPOA-CO-NA-OE - 3 hardcopies plus 1 electronic copy on CD CEPOA-PM-C – 4 hardcopies (3 bound and 1 unbound) plus 1 electronic copy on CD Community – See Paragraph titled DISTRIBUTION OF PLANNING DOCUMENTS AND REPORTS TO COMMUNITY
Final RA Report	CEPOA-CO-NA-OE - 3 hardcopies plus 1 electronic copy on CD CEPOA-PM-C – 4 hardcopies (3 bound and 1 unbound) plus 1 electronic copy on CD Community – See Paragraph titled DISTRIBUTION OF PLANNING DOCUMENTS AND REPORTS TO COMMUNITY

See paragraph titled USACE DISTRIBUTION INFORMATION for contact information. See paragraph titled DISTRIBUTION OF PLANNING DOCUMENTS AND REPORTS TO COMMUNITY for community contact information.

Hardcopies of the draft and draft-final RA Report may be either comb-bound or 3-ring bound. All hardcopies of the final RA Report, except the original, shall be 3-ring bound. The unbound copy shall be the original master copy with original photographs. This original shall be signed by the Contractor and marked "ORIGINAL" on the front cover and on the title page.

C.3.5.3.2 Safety and Health Phase-Out Report; GA. Provide Safety and Health Phase-Out Report.

C.3.5.3.3 Final As-Built Submittal; GA.

C.3.6 USACE DISTRIBUTION INFORMATION

Distribution information for USACE contacts follows.

Org	Address	Attention	E-Mail	Telephone
CEPOA-CO-NA-OE	USAED Alaska District Northern Area Office U.S. Army Corps of Engineers P.O. Box 35066 Fairbanks, Alaska 99703-0066	Trish Novak, Submittals Manager	Patricia.L.Novak@poa02.usace.army.mil	(907) 353-7562
CEPOA-PM-C FUDS	2204 3 rd Street, Bldg 21700 P.O. Box 6898 Elmendorf AFB, AK 99506-6898 Elmendorf AFB, Alaska	Mr. Carey Cossaboom	Carey.C.Cossaboom@poa02.usace.army.mil	(907) 753-2689

C.3.7 DISTRIBUTION OF PLANNING DOCUMENTS AND REPORTS TO COMMUNITY

Where there is a requirement to distribute submittal documents to the “Community”, make the distribution in accordance with the table below in addition to the required number of submittals to USACE. Provide a transmittal letter with each document sent, on behalf of USACE, that indicates reviewers shall submit comments to the USACE Northern Area Office, Fairbanks Resident Office at the address above. The letter shall indicate a 30-calendar day review period beginning the date of documented receipt. Ship the documents with delivery confirmation (U.S. Postal Service) or a comparable method. Provide a copy of the delivery documentation to the Fairbanks Resident Office, and an additional copy to the USACE Project Manager.

USACE expects to receive comments from the TAPP grantee (Dr. Ronald Scrudato), Alaska Community Action on Toxics (ACAT), and the landowners. USACE may receive additional comments from the public. USACE will screen all comments received, and forward them to the Contractor. These comments will be discussed at the draft-final review conferences. The Contractor shall be required to respond to only those comments that relate directly to work under the contract.

# of Copies	Name and Title	Company	Address
1	Honorable Fritz Waghayi President	Native Village of Savoonga	P.O. Box 120 Savoonga, AK 99769
1	Mr. Job Koonooka President	Sivuqaq, Inc.	P.O. Box 101 Gambell AK 99742
1	Mr. Morris Toolie, Jr. President	Savoonga Native Corporation	P.O. Box 160 Savoonga, AK 99769
1	Ms. June Martin Project Coordinator	Alaska Community Action on Toxics	505 W. Northern Lights Blvd., #205 Anchorage, AK 99503
1	Information Repository (Gambell)	Sivuqaq Corporation Building	P.O. Box 101 Gambell, AK 99742
1	Information Repository (Savoonga)	IRA Building	P.O. Box 120 Savoonga, AK 99769
1	Information Repository (Nome), Attn: Leigh Selig	National Parks Service	179 Front St, Suite 121 Nome, AK 99762
1	St. Lawrence Island FUDS, Anchorage Information Repository	Alaska Resource Library and Information Services (ARLIS)	3150 C Street, Suite 100 Anchorage, AK 99503
1	Dr. Ronald Scudato R&M Technologies	SUNY at Oswego	319 Piez Hall Oswego, NY 13126
1	Mr. Jeff Brownlee	Alaska Dept. of Environmental Conservation	555 Cordova Street, 2nd Floor Anchorage, Alaska 99501

C.3.8 GENERAL

The Contracting Officer may request submittals in addition to those specifically listed when deemed necessary to adequately describe the work covered in the contract. Units of weights and measures used on all submittals shall be the same as those used in the contract drawings. Each submittal shall be complete and in sufficient detail to allow ready determination of compliance with contract requirements. Prior to submittal, all items shall be checked and approved by the Contractor's Quality Control (CQC) System Manager and Designer of Record. Each item shall be stamped, signed, and dated by the CQC System Manager and Designer of Record indicating action taken. Proposed deviations from the contract requirements shall be clearly identified. Submittals requiring Government acceptance shall be scheduled and made prior to the acquisition of the material or equipment, or action, covered thereby. Samples remaining upon completion of the work shall be picked up and disposed of in accordance with manufacturer's Material Safety Data Sheets (MSDS) and in compliance with existing laws and regulations.

C.3.9 SUBMITTAL REGISTER (ENG FORM 4288)

At the end of this section is an ENG Form 4288 (ATTACHMENT 06) for listing items for which submittals are required. The Contractor shall complete columns "a" and "d" through "u" and submit the forms to the Contracting Officer for acceptance at least 14 days prior to submitting the first item(s). The Contractor shall keep this register up-to-date and shall submit it to USACE together with each payment request. The accepted submittal register will become the scheduling document and will be used to control submittals throughout the life of the contract. The submittal register and the progress schedules shall be coordinated.

Within 30 days after receipt of Notice to Proceed, the Contractor shall complete and submit to the Contracting Officer, in triplicate, submittal register ENG Form 4288 listing all submittals and dates. In addition to those items listed on ENG Form 4288, the Contractor shall furnish submittals for any deviation from the contract. The scheduled need dates must be recorded on the document for each item for control purposes. In preparing the document, adequate time (minimum of 30 days) shall be allowed for review and, only when stipulated, acceptance and possible re-submittal. Scheduling shall be coordinated with the progress schedule. The Contractor's Quality Control representative shall review the listing at least every 30 days and take appropriate action to maintain an effective system. Copies of updated or corrected listing shall be submitted to the Contracting Officer at least every 60 days in the quantity specified. Payment will not be made for any item that does not comply with contract requirements.

C.3.10 CERTIFICATES OF COMPLIANCE

Any certificates required for demonstrating proof of compliance of materials with contract requirements shall be executed in 3 copies. Each certificate shall be signed by an official authorized to certify in behalf of the manufacturing company and shall contain the name and address of the Contractor, the project name and location, and the quantity and date or dates of shipment or delivery to which the certificates apply. Copies of laboratory test reports submitted with certificates shall contain the name and address of the testing laboratory and the date or dates

of the tests to which the report applies. Certification shall not be construed as relieving the Contractor from furnishing satisfactory material, if, after tests are performed on selected samples, the material is found not to meet the specific requirements.

C.3.11 TRANSMITTAL FORM (ENG FORM 4025)

The sample transmittal form ENG Form 4025 attached to this section (ATTACHMENT 07) shall be used for submitting both Government Acceptance and Information Only submittals in accordance with the instructions on the reverse side of the form. These forms will be furnished to the Contractor. This form shall be properly completed by filling out all the heading blank spaces and identifying each item submitted. Special care shall be exercised to ensure proper listing of the requirement paragraph and/or sheet number of the contract drawings pertinent to the data submitted for each item.

C.3.12 SUBMITTAL PROCEDURE

Government Acceptance and Information Only submittals shall be listed on separate ENG Form 4025's.

For submittals which include proposed deviations requested by the Contractor, the column "variation" of ENG Form 4025 shall be checked. The Contractor shall set forth in writing the reason for any deviations and annotate such deviations on the submittal. USACE reserves the right to rescind inadvertent acceptance of submittals containing unnoted deviations.

C.3.13 GOVERNMENT ACCEPTED SUBMITTALS

Upon completion of review of submittals requiring Government acceptance, the submittals will be identified as having received acceptance by being so stamped and dated. One copy of the submittal will be returned to the Contractor. All additional copies will be retained by USACE.

C.3.14 INFORMATION ONLY SUBMITTALS

Normally submittals for information only will not be returned. Acceptance of the Contracting Officer is not required on information only submittals. USACE reserves the right to require the Contractor to resubmit any item found not to comply with the contract. This does not relieve the Contractor from the obligation to furnish material conforming to the contract; will not prevent the Contracting Officer from requiring removal and replacement of nonconforming material incorporated in the work; and does not relieve the Contractor of the requirement to furnish samples for testing by the USACE laboratory or for check testing by USACE in those instances where the contract so prescribes.

C.3.15 STAMPS

Stamps used by the Contractor on the submittal data to certify that the submittal meets contract requirements shall be similar to the following:

CONTRACTOR	
(Firm Name)	
_____ Accepted	
_____ Accepted with corrections as noted on submittal data and/or attached sheets(s).	
SIGNATURE: _____	
TITLE: _____	
DATE: _____	

C.3.16 ATTACHMENTS

Sample Submittal Register ENG FORM 4288
ENG Form 4025

C.4 PERMITS

C.4.1 PERMITS PROVIDED BY USACE

USACE has obtained the following permits/licenses related to the work on this project:

- NEPA – Finding of No Significant Impact (ATTACHMENT 08)
- Federal Coastal Zone Management Act; Alaska Coastal Management Program Final Consistency Response (ATTACHMENT 09)
- Right of Entry (ATTACHMENT 03).
- ADEC 401 Water Quality Certification (ATTACHMENT 11).
- Fish Habitat Permit, per Alaska Statutes (AS) 16.05.840 and AS 16.05.870, for stream crossings if the contractor conducts in-stream work (ATTACHMENT 10).
- EE/CA Action Memorandum (ATTACHMENT 12).

C.4.1.1 Permit Criteria

Known permit criteria to be required by the Alaska Department of Fish and Game (ADF&G) and ADEC are as follows. Additional permit criteria may apply depending on methods and means proposed by the Contractor.

- At Stream Crossing #5 (Suqitughneq River), banks shall not be altered or disturbed in any way. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion.
- At Stream Crossing #5, “end-dumping” riprap is prohibited. Riprap shall be strategically placed to prevent excess rock in the streambed.
- Equipment crossings shall be made from bank to bank in a direction substantially perpendicular to the direction of stream flow.
- For Stream Crossing #11 (Quangeghsaq River), equipment crossings shall be made only at locations with gradually sloping banks. There shall be no crossings at locations with sheer or cut banks.
- For Stream Crossing #11, banks shall not be altered or disturbed in any way to facilitate crossings. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion.
- If timber/poles are placed in and adjacent to the stream to create a crossing site, they must be placed in such a way that free passage of fish is assured. In addition, all material shall be completely removed from the streambed and banks at the end of each work season. If needed, the streambed shall be recontoured to assure that “trenches” are not left that will trap fish at low-water levels.
- Vehicle crossings shall be limited to only what is necessary to accomplish the work.
- For Stream Crossing #11, no damming or diversions are permitted.
- The contractor shall implement best management practices to minimize erosion and the potential for silt-laden runoff to enter any open water body.
- Any rip-rap placed in the Suqitughneq River shall be free of silts and fines.

- Timbers or wood planks that contain creosote or pentachlorophenol shall not be placed in streams.
- Culvert installations and removals shall not occur within the flowing waters of the stream. Techniques such as stream diversion, dam and pump, or stream fluming shall be incorporated into the installation/removal activity to ensure that silt laden water is not carried into sensitive fish habitat.”

C.4.2 PERMITS OBTAINED BY THE CONTRACTOR

The Contractor shall obtain all needed permits and licenses needed to complete the work that are not obtained and provided by USACE. The Contractor shall be responsible for implementing the terms, conditions, and requirements of all permits (including USACE-obtained permits), and payment of all fees for permits obtained by the Contractor.

Additional permits may be required if the Contractor’s chosen approach differs from the stipulations described in the permits provided by USACE. The Contractor shall be responsible for obtaining additional permits, if required. The specific permits that the Contractor shall obtain will depend on the method of work determined by the Contractor. Permits that may need to be obtained by the Contractor include, but are not limited to:

- ADEC permit for operation of the camp’s wastewater disposal system (18 AAC 72.210).
- ADEC permit for operation of the camp’s potable water system (18 AAC 80.100).
- Food service permit for operation of the temporary camp (18 AAC 31).
- Temporary Water Use permit for potable and non-potable water use, issued by the State of Alaska Department of Natural Resources.

C.5 SAFETY

C.5.1 GENERAL

Comply with the requirements of the USACE Safety and Health Requirements Manual EM385-1-1, OSHA standard 29 CFR 1910, and all applicable Federal, state, and local safety and occupational health laws and regulations. This shall include the Accident Prevention Plan required by EM385-1-1.

Matters of interpretation of standards shall be submitted to the appropriate administrative agency for resolution before starting work. Where the requirements of this section, applicable laws, criteria, regulations, and referenced documents vary, the most stringent requirements shall apply.

EM 385-1-1 and its changes are available at <http://www.hq.usace.army.mil> (at the HQ home page, select Safety and Occupational Health).

The Contractor shall be responsible for complying with the current edition and all changes posted on the web (see web address above) as of the effective date of the solicitation and shall comply with the version in effect on the contract award date. This EM 385-1-1 shall remain in effect throughout the life of the contract.

C.5.2 SITE SAFETY AND HEALTH PLAN (SSHP)

See the Section titled "SUBMITTALS" for SSHP requirements. Onsite work shall not begin until the SSHP has been submitted.

C.5.3 PRE-MOBILIZATION SAFETY CONFERENCE

A pre-mobilization conference shall be held prior to work beginning at the site to acquaint the Contractor with Government policies and procedures that are to be observed during the performance of the work and to develop mutual understanding relative to administration of the contract.

C.5.4 ACTIVITY HAZARD ANALYSES

Prior to beginning each major phase of work, an Activity Hazard Analysis shall be prepared by the Contractor performing that work and submitted for review and acceptance. The format shall be in accordance with EM 385-1-1, Figure 1-1. A major phase of work is defined as an operation involving a type of work presenting hazards not experienced in previous operations or where a new subcontractor or work crew is to perform. The analysis shall define the activities to be performed and identify the sequence of work, the specific hazards anticipated, and the control measures to be implemented to eliminate or reduce each hazard to an acceptable level. Work shall not proceed on that phase until the activity hazard analysis has been accepted and a preparatory meeting has been conducted by the Contractor to discuss its contents with everyone engaged in the activities, including USACE onsite representatives. The activity hazard analyses shall be continuously reviewed and when appropriate modified to address changing site conditions or operations, with the concurrence of the Safety and Health Manager, the Site

Superintendent, and the Contracting Officer. Activity hazard analyses shall be attached to and become a part of the SSHP.

Should any unforeseen hazard become evident during the performance of the work, the Site Safety and Health Officer (SSHO) shall bring such hazard to the attention of the Safety and Health Manager, the Site Superintendent, and the Contracting Officer, both verbally and in writing, for resolution as soon as possible. In the interim, necessary action shall be taken to re-establish and maintain safe working conditions in order to safeguard onsite personnel, visitors, the public, and the environment.

C.5.5 SITE SAFETY CONSIDERATIONS

C.5.5.1 Airstrip Operations

The Contractor may use the existing airstrip at Northeast Cape; however, such usage shall require prior coordination/approval with local authorities (Sivuqaq Corporation and Savoonga Native Corporation), and the Federal Aviation Administration. Payment of any fees for use of the airstrip, as well as required operational maintenance, will be the Contractor's responsibility. The Contractor shall comply with all local, state, and federal safety provisions and requirements.

The Contractor shall include an airfield operations plan as part of the Site Safety and Health Plan. The Contractor shall request information and suggestions from air taxi operators and incorporate this information into the airstrip operations plan.

The following criteria apply, at a minimum.

- Runway hazard markings shall be placed; use weighted cones at 200 ft. intervals along usable portion of airstrip, or equal (EM385-1-1, 32.A.09). Mark soft locations on the airstrip.
- No materials shall be stored within 250 feet of airstrip centerline, unless allowed by the CO.
- Heavy equipment shall not use any part of airstrip surface for loading or unloading aircraft; loading and unloading shall be conducted on aprons.
- Airstrip shoulders shall not be used as roadways for transport of materials and equipment during periods when the airstrip is open for use. Damage to shoulders shall be repaired.
- A 250 feet setback from airstrip centerline shall be maintained during periods when the airstrip is in use. No storage of materials, equipment operation, or vehicle use shall be conducted in this area until the aircraft has been chocked at the apron. Work at Site 2 shall be coordinated by the Contractor to avoid airfield hazards. If camp or fixed structure is to be situated on the airfield apron, it must be located outside the 250 ft setback.
- Hazard markers shall be placed during airstrip maintenance so that approaching aircraft are warned without use of a radio. After maintenance work, hazard markers shall be removed. Exceptions are light airstrip control vehicles (such as ATVs) when used to conduct airstrip inspection. (EM385-1-1, 32.A.07, 32.A.08, 32.A.09, 32.A.11)

- Daily inspection and maintenance of airstrip surface and shoulders shall be conducted to remove any debris. This shall be conducted before the start of each flight operations day, and as needed based on weather conditions. Any recurring problems associated with debris blown onto the airstrip shall be brought to the attention of the CO.
- The access trail to the beach at the northeast end of the airstrip shall be blocked to prevent use during periods of flight operations. Signs warning of entry into a clear zone shall be posted. This trail shall remain clear of equipment, traffic, and stored items. (EM385-1-1, 32.A.05)
- The Contractor shall provide air to ground communication between the site and the aircraft. The ground communication locations shall be within line of site of airfield. The Contractor shall communicate information to the pilot regarding the weather, status of the airstrip, aprons, and unloading areas. Trained radio operators and weather observers shall be used.
- The Contractor shall maintain weather reporting capability. Weather information shall include, but not be limited to, visibility, wind direction, temperature, wind velocity (including gusts).
- A large heavy-duty wind sock shall be installed at each end of the runway.
- The Contractor shall preserve the usefulness of the airstrip by providing regular maintenance to keep the airstrip safe for landings and takeoff.

C.5.5.2 Contaminants

Following is a summary of contaminants that have been detected at the site during prior sampling and analysis activities. Detected contaminants are:

- a. Elevated concentrations of DRO, GRO, and TRPH in soils, surface water, groundwater, and sediment.
- b. PCBs in soil, surface water, sediment, and paint.
- c. Pesticides in soil and sediment.
- d. Elevated concentrations of metals in soils, surface water, sediment, and groundwater.
- e. Elevated levels of VOCs in soils, surface water, sediment, and groundwater.
- f. Asbestos containing materials.
- g. Lead-based paint.

C.5.5.3 Hazards

C.5.5.3.1 Ordnance and Explosive Waste (OEW)

Ordnance and explosive waste (OEW) is not known or suspected to be encountered on this site. If explosives, Chemical Surety and Warfare Materials (CSM/CWM), or Unexploded Ordnance (UXO) are discovered at any time during operations, the Contractor shall immediately stop operations in the affected area, mark the location, notify onsite personnel of the OEW hazard and the area's restrictions, and notify the Contracting Officer. USACE will make appropriate arrangements for evaluation and proper disposal of each device. The SSHP shall specifically address procedures to be followed if known or potential CSM/CWM, ordnance, or other such items are encountered during any phase of fieldwork.

C.5.5.3.2 Polar Bears and Fox

Polar bears and fox may be present in the area during the work. Arctic foxes at the site have been known to invade food supplies. The Contractor shall take precautions to protect personnel, food supplies, and garbage from the foxes.

C.5.5.3.3 Other Hazards

The contractor shall identify safety hazards, chemical hazards, physical hazards, and biological hazards in the SSHP, and shall include adequate provisions.

C.5.6 PERSONAL PROTECTIVE EQUIPMENT FOR GOVERNMENT PERSONNEL

Three clean sets of PPE and clothing (excluding air-purifying negative-pressure respirators and safety shoes, which will be provided by individual visitors), as required for entry into the Exclusion Zone and/or Contamination Reduction Zone, shall be available for use by the Contracting Officer or official visitors. The items shall be cleaned and maintained by the Contractor and stored and clearly marked: "FOR USE BY GOVERNMENT ONLY."

C.6 PERSONNEL

C.6.1 GENERAL

This section provides minimum qualification requirements and responsibilities for selected personnel on the project. Minimum qualifications of selected personnel shall apply at the time of onsite work.

When resumes of selected personnel are required submittals, the resumes must specifically address the minimum qualifications stated in this section. Resumes/selected personnel that do not address the minimum qualifications will be rejected.

Substitution of selected personnel not specifically meeting minimum qualifications as stated in this section may be considered by the Contracting Officer. It is the Contractor's responsibility to provide convincing documentation for the selected person proposed that shows the person meets the "intent" of the minimum qualifications and can successfully accomplish the requirements of the position on this contract.

Except for CQC System Manager and Site Safety and Health Officer, an individual will be allowed to perform multiple positions.

C.6.2 PROJECT MANAGER (PM)

The Project Manager shall have at least 2 years project management experience, of which at least 1 year of experience occurred on a project in a remote arctic or sub-arctic location involving similar type work.

C.6.3 SITE SUPERINTENDENT (SSI)

The Site Superintendent shall have at least 1 year experience as a site superintendent and experience on at least 3 projects involving onsite work in a remote arctic or sub-arctic location. The Site Superintendent shall be responsible to implement the Work Plan, including the SSHP, and shall have the authority to direct work performed under this contract and verify compliance.

C.6.4 CQC SYSTEM MANAGER (CQCSM)

The Contractor shall identify as CQC System Manager (CQCSM) an individual within the onsite work organization who shall be responsible for overall management of CQC and have the authority to act in all CQC matters for the Contractor. The CQC System Manager shall be a graduate engineer, graduate architect, or a graduate of construction management, with a minimum of 5 years construction experience on construction similar to this contract. This CQC System Manager shall be on the site at all times during construction and shall be employed by the prime Contractor. The CQC System Manager shall be assigned no other duties. An alternate for the CQC System Manager shall be identified in the plan to serve in the event of the System Manager's absence. The requirements for the alternate shall be the same as for the designated CQC System Manager.

In addition to the above experience and/or education requirements the CQC System Manager shall have completed the course entitled "Construction Quality Management For Contractors". This course is periodically offered at the Associated General Contractors of Alaska offices in Anchorage and Fairbanks.

C.6.5 SAFETY AND HEALTH MANAGER (SHM)

C.6.5.1 Qualifications of the SHM

The services of an Industrial Hygienist certified by the American Board of Industrial Hygiene shall be utilized. The name, qualifications (education summary and documentation, ABIH certificate), and work experience summary shall be included in the SSHP. The Safety and Health Manager shall have the following additional qualifications:

- A minimum of 4 years experience in developing and implementing safety and health programs at hazardous waste sites and asbestos abatement sites. At least one field season of onsite work in remote Alaska.
- Documented experience in supervising professional and technician level personnel.
- Documented experience in developing worker exposure assessment programs and air monitoring programs and techniques.
- Documented experience in the development of personal protective equipment programs, including programs for working in and around potentially toxic, flammable and combustible atmospheres and confined spaces.
- Working knowledge of State and Federal occupational safety and health regulations.

C.6.5.2 Responsibilities of the SHM

The Safety and Health Manager shall:

- Be responsible for the development, implementation, oversight, and enforcement of the SSHP.
- Sign and date the SSHP prior to submittal.
- Conduct initial site-specific training.
- Be present onsite during the first 3 days of onsite work activities and at the startup of each new major phase of work.
- Visit the site as needed and at least once per month for the duration of field activities, to audit the effectiveness of the SSHP.
- Be available for emergencies.
- Provide onsite consultation as needed to ensure the SSHP is fully implemented.
- Coordinate any modifications to the SSHP with the Site Superintendent, the Site Safety and Health Officer (SSHO), and the Contracting Officer.
- Provide continued support for upgrading/downgrading of the level of personal protection.
- Be responsible for evaluating air monitoring data and recommending changes to engineering controls, work practices, and PPE.

- Review accident reports and results of daily inspections.
- Serve as a member of the Contractor's quality control staff.

C.6.6 SITE SAFETY AND HEALTH OFFICER (SSHO)

C.6.6.1 Qualifications of the SSHO

An individual and one alternate shall be designated the SSHO. The name, qualifications (education and training summary and documentation), and work experience of the SSHO and alternate shall be included in the SSHP. The SSHO shall have the following qualifications:

- A minimum of 3 years experience in implementing safety and health programs at hazardous material sites, including documented experience where Level C personal protective equipment was required.
- Documented experience in construction or demolition techniques and construction or demolition safety procedures.
- Working knowledge of Federal and State occupational safety and health regulations.
- Specific training in personal and respiratory protective equipment program implementation.

C.6.6.2 Responsibilities of the SSHO

The SSHO shall:

- Assist and represent the Safety and Health Manager in onsite training and the day to day onsite implementation and enforcement of the accepted SSHP.
- Be assigned to the site on a full time basis for the duration of field activities. The SSHO shall have no duties other than Safety and Health related duties. If operations are performed during more than 1 work shift per day, a site Safety and Health Officer shall be present for each shift.
- Have authority to ensure site compliance with specified safety and health requirements, Federal, State and OSHA regulations and all aspects of the SSHP including, but not limited to, activity hazard analyses, air monitoring, use of PPE, decontamination, site control, standard operating procedures used to minimize hazards, safe use of engineering controls, the emergency response plan, confined space entry procedures, spill containment program, and preparation of records by performing a daily safety and health inspection and documenting results on the Daily Safety Inspection Log.
- Have authority to stop work if unacceptable health or safety conditions exist, and take necessary action to re-establish and maintain safe working conditions.
- Consult with and coordinate any modifications to the SSHP with the Safety and Health Manager, the Site Superintendent, and the Contracting Officer.
- Serve as a member of the Contractor's quality control staff on matters relating to safety and health.
- Conduct accident investigations and prepare accident reports.

- Review results of daily quality control inspections and document safety and health findings into the Daily Safety Inspection Log. The Daily Safety Inspection Log shall be attached to the Daily Quality Control Report.
- In coordination with site management and the Safety and Health Manager, recommend corrective actions for identified deficiencies and oversee the corrective actions.

C.6.7 TRANSPORTATION AND DISPOSAL COORDINATOR (TDC)

The Contractor shall designate, by position and title, one person to act as the Transportation and Disposal Coordinator (TDC) for this contract. The TDC shall serve as the single point of contact for all environmental regulatory matters and shall have overall responsibility for total environmental compliance at the site including, but not limited to, accurate identification and classification of hazardous waste and hazardous materials; determination of proper shipping names; identification of marking, labeling, packaging and placarding requirements; completion of waste profiles, hazardous waste manifests, asbestos waste shipment records, PCB manifests, bill of lading, exception and discrepancy reports; and all other environmental documentation. The TDC shall, at a minimum, meet the following requirements:

- Has received specialized training and is currently certified under 49 CFR 172, Subpart H.
- Has sixteen (16) hours training on the requirements of 40 CFR 262 - Standards Applicable to Generators of Hazardous Waste.
- Has eight (8) hours training on Land Disposal Restrictions (LDR) requirements of 40 CFR 268.
- Has three (3) years of specialized experience in the management and transportation of hazardous waste, ACM waste, and PCBs.
- General Security Awareness Training

C.6.8 CHEMICAL QUALITY CONTROL OFFICER

As a minimum, the Contractor's Chemical Quality Control Officer shall have: a 4 year degree in Chemistry or a related field from an accredited post-secondary institution; three years of experience related to investigations, studies, design and remedial actions at HTRW sites; and three field seasons (or one continuous calendar year experience) in calibration and operation of various field monitoring devices as well as standard analytical chemistry methods common for analyzing soil, water, air and other materials for chemical contamination assessment, including hazardous waste manifesting. The Chemical Quality Control Officer shall ensure that all chemistry related objectives including responsibilities for DQO definitions, sampling and analysis, project requirements for data documentation and validation, and final project reports are attained. The Chemical Quality Control officer need not be present onsite during routine sampling, but shall be available for consultation with Government and Contractor personnel.

C.6.9 PROJECT CHEMIST

As a minimum, the Contractor's Project Chemist shall have: a 4-year degree in Chemistry or a related field from an accredited post-secondary institution; three years of experience related to investigations, studies, design and remedial actions at HTRW sites; and three field seasons

experience in calibrating and operating various field monitoring devices. The project chemist shall ensure that all chemistry related goals of the program are attained. The project chemist shall be onsite during all sampling events and shall also be available for consultation with Government personnel. The Project Chemist will be allowed to also serve as the Chemical Quality Control Officer. If this is done, note that the Project Chemist/Chemical Quality Control Officer must be onsite during the field sampling.

C.6.10 ENVIRONMENTAL SAMPLER

As a minimum, the Contractor's Environmental Sampler(s) shall meet the requirements of "qualified person" in ADEC regulations 18 AAC 78.995 (118), as indicated below.

- (118) "qualified person" or qualified third party means a person who actively practices environmental science or engineering, geology, physical science, hydrology, or a related field and has the following minimum education and experience:
- (A) a bachelor's degree or equivalent from a nationally or internationally accredited post secondary institution in environmental science or engineering, geology, hydrology, physical science, or a related field; for purposes of this subparagraph, "equivalent" means that the person earned at least 128 semester hours, 168 trimester hours, or 192 quarter hours at an accredited postsecondary institution, and with at least 18 percent of those hours in a science major and at least 13 percent of those hours in upper division-level courses; and
 - (B) at least one year of professional experience in environmental science or engineering, geology, physical science, or a related field, completed after the degree described in (A) of this paragraph was obtained.

The accreditation requirement for the post-secondary institution applies to the period of time course work was conducted.

C.7 CONTRACTOR QUALITY CONTROL

C.7.1 GENERAL

The Contractor is responsible for quality control and shall establish and maintain an effective quality control system. The quality control system shall consist of plans, procedures, and organization necessary to produce an end product that complies with the contract requirements. The system shall cover all operations, both onsite and offsite. The project superintendent will be held responsible for the quality of work on the job and is subject to removal by the Contracting Officer for non-compliance with quality requirements specified in the contract. The project superintendent in this context shall mean the individual with the responsibility for the overall management of the project including quality and production.

C.7.2 CQC SYSTEM MANAGER

See Section titled PERSONNEL for minimum requirements.

C.7.3 SUBMITTALS

C.7.3.1 Quality Control Plan

See Section titled SUBMITTALS.

C.7.3.1.1 Acceptance of Plan

Acceptance of the Contractor's plan is required prior to the start of fieldwork. Acceptance is conditional and will be predicated on satisfactory performance during the work. USACE reserves the right to require the Contractor to make changes in his CQC Plan and operations including removal of personnel, as necessary, to obtain the quality specified.

C.7.3.1.2 Notification of Changes to CQC Plan

After acceptance of the CQC Plan, the Contractor shall notify the Contracting Officer in writing of any proposed change. Proposed changes are subject to acceptance by the Contracting Officer.

C.7.3.2 Daily CQC Reports

See Section titled SUBMITTALS

C.7.4 COORDINATION MEETING

After the Pre-Mobilization Conference, before start of fieldwork, and prior to acceptance by USACE of the CQC Plan, the Contractor shall meet with the Contracting Officer or Authorized Representative and discuss the Contractor's quality control system. The CQC Plan shall be submitted for review in accordance with Section titled SUBMITTALS, which shall occur prior to this coordination meeting. During the meeting, a mutual understanding of the system details shall

be developed, including the forms for recording the CQC operations, control activities, testing, administration of the system for both onsite and offsite work, and the interrelationship of Contractor's Management and control with USACE's Quality Assurance. Minutes of the meeting shall be prepared by USACE and signed by both the Contractor and the Contracting Officer. The minutes shall become a part of the contract file. There may be occasions when subsequent conferences will be called by either party to reconfirm mutual understandings and/or address deficiencies in the CQC system or procedures that may require corrective action by the Contractor.

C.7.5 CONTROL

Contractor Quality Control is the means by which the Contractor ensures that the work, to include that of subcontractors and suppliers, complies with the requirements of the contract. At least three phases of control shall be conducted by the CQC System Manager for each definable feature of work, as follows:

C.7.5.1 Preparatory Phase

This phase shall be performed prior to beginning work on each definable feature of work, after all required plans/documents/materials are approved/accepted, and after copies are at the work site. This phase shall include:

- A review of each paragraph of applicable contract requirements, specifications, reference codes, and standards. A copy of those sections of referenced codes and standards applicable to that portion of the work to be accomplished in the field shall be made available by the Contractor at the preparatory inspection. These copies shall be maintained in the field and available for use by Government personnel until final acceptance of the work.
- A review of the contract drawings.
- A check to assure that all materials and/or equipment have been tested, submitted, and approved.
- Review of provisions that have been made to provide required control inspection and testing.
- Examination of the work area to assure that all required preliminary work has been completed and is in compliance with the contract.
- A physical examination of required materials, equipment, and sample work to assure that they are on hand, conform to approved shop drawings or submitted data, and are properly stored.
- A review of the appropriate activity hazard analysis to assure safety requirements are met.
- Discussion of procedures for controlling quality of the work including repetitive deficiencies. Document tolerances and workmanship standards for that feature of work.
- A check to ensure that the portion of the plan for the work to be performed has been accepted by the Contracting Officer.
- Discussion of the initial control phase.
- Review of planning documents, permits, and other pertinent project documentation.

USACE shall be notified at least 48 hours in advance of beginning the preparatory control phase. This phase shall include a meeting conducted by the CQC System Manager and attended by the superintendent, other CQC personnel (as applicable), and the foreman responsible for the definable feature. The results of the preparatory phase actions shall be documented by separate minutes prepared by the CQC System Manager and attached to the daily CQC report. The Contractor shall instruct applicable workers as to the acceptable level of workmanship required in order to meet contract specifications.

C.7.5.2 Initial Phase

This phase shall be accomplished at the beginning of a definable feature of work. The following shall be accomplished:

- A check of work to ensure that it is in full compliance with contract requirements. Review minutes of the preparatory meeting.
- Verify adequacy of controls to ensure full contract compliance. Verify required control inspection and testing.
- Establish level of workmanship and verify that it meets minimum acceptable workmanship standards. Compare with required sample panels as appropriate.
- Resolve all differences.
- Check safety to include compliance with and upgrading of the safety plan and activity hazard analysis. Review the activity analysis with each worker.

USACE shall be notified at least 24 hours in advance of beginning the initial phase. Separate minutes of this phase shall be prepared by the CQC System Manager and attached to the daily CQC report. Exact location of initial phase shall be indicated for future reference and comparison with follow-up phases.

The initial phase should be repeated for each new crew to work onsite, or any time acceptable specified quality standards are not being met.

C.7.5.3 Follow-up Phase

Daily checks shall be performed to assure control activities, including control testing, are providing continued compliance with contract requirements, until completion of the particular feature of work. The checks shall be made a matter of record in the CQC documentation. Final follow-up checks shall be conducted and all deficiencies corrected prior to the start of additional features of work that may be affected by the deficient work. The Contractor shall not build upon nor conceal non-conforming work.

C.7.5.4 Additional Preparatory and Initial Phases

Additional preparatory and initial phases shall be conducted on the same definable features of work if: the quality of on-going work is unacceptable; if there are changes in the applicable

CQC staff, onsite production supervision or work crew; if work on a definable feature is resumed after a substantial period of inactivity; or if other problems develop.

C.7.6 COMPLETION INSPECTION

C.7.6.1 Punch-Out Inspection

The CQC System Manager shall conduct an inspection of the work near the end of the fieldwork. A punch list of items that do not conform to the contract requirements shall be prepared and included in the CQC documentation. This list of deficiencies shall include the estimated date by which the deficiencies will be corrected. The CQC System Manager or staff shall make a second inspection to ascertain that all deficiencies have been corrected. Once this is accomplished, the Contractor shall notify USACE that the site is ready for the USACE Pre-Final inspection.

C.7.6.2 Pre-Final Inspection

USACE will perform the pre-final inspection to verify that the work is complete. A Government Pre-Final Punch List may be developed as a result of this inspection. The Contractor's CQC System Manager shall ensure that all items on this list have been corrected before notifying USACE, so that a Final inspection with the customer can be scheduled. Any items noted on the Pre-Final inspection shall be corrected in a timely manner. These inspections and any deficiency corrections required by this paragraph shall be accomplished within the time slated for completion of the entire work or any particular increment of the work if the project is divided into increments by separate completion dates.

C.7.6.3 Final Acceptance Inspection

The Contractor's Quality Control Inspection personnel, plus the superintendent or other primary management person, and the Contracting Officer's Representative shall be in attendance at the final acceptance inspection. Additional Government personnel may also be in attendance. The final acceptance inspection will be formally scheduled by the Contracting Officer based upon results of the Pre-Final inspection. Notice shall be given to the Contracting Officer at least 14 days prior to the final acceptance inspection and shall include the Contractor's assurance that all specific items previously identified to the Contractor as being unacceptable, along with all remaining work performed under the contract, will be complete and acceptable by the date scheduled for the final acceptance inspection. Failure of the Contractor to have all contract work acceptably complete for this inspection will be cause for the Contracting Officer to bill the Contractor for USACE's additional inspection cost.

C.7.7 NOTIFICATION OF NONCOMPLIANCE

The Contracting Officer will notify the Contractor of any detected noncompliance with the foregoing requirements. The Contractor shall take immediate corrective action after receipt of such notice. Such notice, when delivered to the Contractor at the work site, shall be deemed sufficient for the purpose of notification. If the Contractor fails or refuses to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory

corrective action has been taken. No part of the time lost due to such stop orders shall be made the subject of claim for extension of time or for excess costs or damages by the Contractor.

C.7.8 PAYMENT

Separate payment will not be made for providing and maintaining an effective Quality Control program, and all costs associated therewith shall be included in the applicable unit prices or lump-sum prices contained in the Proposal Schedule.

C.8 TEMPORARY FACILITIES

C.8.1 SITE PLAN

The Contractor shall prepare a site plan indicating the proposed location and dimensions of staging areas, camp facilities, field offices, and avenues of ingress/egress. Provide the site plan as part of the Planning Documents. See section titled SUBMITTALS.

C.8.2 AVAILABILITY AND USE OF UTILITY SERVICES

There are no utilities available for use by the Contractor. The Contractor shall be responsible for providing all utilities necessary to support his/her operations, housing of Contractor and Government personnel, and effective operation of office spaces and other facilities necessary to complete the work. All costs associated with providing utilities shall be borne by the Contractor, and shall be included in the contract price.

Previous camps at the site have used the Suqitugheq River located approximately 700 feet east of the runway for water. Any water obtained from the site shall be treated to ensure its suitability for use as drinking water.

The existing septic system at the site is not functional and shall not be used to service a camp set up by the Contractor. The Contractor shall provide domestic wastewater management and disposal in accordance with all applicable laws and regulations.

C.8.2.1 Sanitation

The Contractor shall provide and maintain within the project area minimum field-type sanitary facilities approved by the Contracting Officer. Government toilet facilities will not be available to Contractor's personnel.

C.8.2.2 Telephone

The Contractor shall make arrangements and pay all costs for telephone facilities desired.

C.8.3 BULLETIN BOARD

Immediately upon beginning of work, the Contractor shall provide a weatherproof glass-covered bulletin board not less than 36 by 48 inches in size for displaying the Equal Employment Opportunity poster, a copy of the wage decision contained in the contract, Wage Rate Information poster, and other information approved by the Contracting Officer. The bulletin board shall be located at the project site in a conspicuous place easily accessible to all employees, as approved by the Contracting Officer. Legible copies of the aforementioned data shall be displayed until work is completed. Upon completion of work the bulletin board shall be removed by and remain the property of the Contractor.

C.8.4 PROTECTION AND MAINTENANCE OF TRAFFIC

During the work, the Contractor shall utilize existing roads and trails. The Contractor shall maintain and protect traffic on all affected roads during the work period except as otherwise specifically directed by the Contracting Officer. Measures for the protection and diversion of traffic, including the provision of watchmen and flagmen, erection of barricades, placing of lights around and in front of equipment and the work, and the erection and maintenance of adequate warning, danger, and direction signs, shall be as required by the State and local authorities having jurisdiction. The traveling public shall be protected from damage to person and property. The Contractor's traffic on roads selected for hauling material to and from the site shall interfere as little as possible with public traffic. The Contractor shall investigate the adequacy of existing roads and the allowable load limit on these roads. The Contractor shall be responsible for the repair of any damage to roads and bridges/culverts caused by Contractor operations.

C.8.4.1 Haul Roads and CAT Trails

The Contractor shall, at its own expense, improve existing CAT trail access and haul roads necessary for proper prosecution of the work under this contract. Haul roads shall be improved with suitable grades and widths. The Contractor shall provide necessary lighting, signs, barricades, and distinctive markings for the safe movement of traffic. The method of dust control shall be adequate to ensure safe operation at all times. Location, grade, width, and alignment of hauling roads and CAT trails shall be subject to approval by the Contracting Officer. Lighting shall be adequate to assure full and clear visibility for full width of haul road, CAT trails, and work areas during any night work operations.

C.8.4.2 Barricades

The Contractor shall erect and maintain temporary barricades to limit public access to hazardous areas. Such barricades shall be required whenever safe public access is prevented by construction activities or as otherwise necessary to ensure the safety of both pedestrian and vehicular traffic. Barricades shall be securely placed, clearly visible with adequate illumination to provide sufficient visual warning of the hazard.

C.8.5 CONTRACTOR'S TEMPORARY FACILITIES

The Contractor's field offices, staging areas, camp and other temporary buildings shall be placed in areas approved by the Contracting Officer.

C.8.5.1 Administrative Field Offices

The Contractor shall provide and maintain administrative field office facilities at the site. Government offices and warehouse facilities do not exist at the site.

C.8.5.2 Storage Area

The Contractor shall propose area(s) for storage of trailers, equipment, and materials. The storage area(s) are subject to Contracting Officer review and approval. Storage areas shall be on existing gravel/rock covered non-vegetated locations. Fencing of materials or equipment will not be required at this site; however, the Contractor shall be responsible for cleanliness and orderliness of the area used and for the security of any material or equipment stored in this area. USACE will not provide utilities to this area.

C.8.5.3 Appearance of Trailers

Trailers utilized by the Contractor for administrative or material storage purposes shall present a clean and neat exterior appearance and shall be in a state of good repair.

C.8.5.4 Temporary Project Field Office

A temporary project field office shall be placed on the upper mountain during field activities at that location. It shall be a minimum 8 feet in width, 16 feet in length and have a minimum of 7 feet headroom. It shall be equipped with approved electrical wiring, at least one double convenience outlet and the required switches and fuses to provide 110-120 volt power, and a generator for power. It shall be provided with a work-table with stool, desk with chair, two additional chairs, and one legal size file cabinet that can be locked. The building shall be waterproof and supplied with a heater, electric lights, a telephone or radio for communication, a battery operated smoke detector alarm, a sufficient number of adjustable windows for adequate light and ventilation, and a supply of drinking water. Sanitary facilities shall be furnished. The temporary field office shall be maintained by the Contractor during the work and upon completion and acceptance of the work shall become the property of the Contractor and shall be removed from the site. All charges for communication service for the temporary field office shall be borne by the Contractor, including long distance charges. Communication shall be reliable between the top and bottom of the mountain under normal conditions.

C.8.5.5 Security Provisions

Adequate outside security lighting shall be provided at the Contractor's temporary facilities. The Contractor shall be responsible for the security of its own equipment.

C.8.6 GOVERNMENT FIELD OFFICE

C.8.6.1 Resident Engineer's Office

The Contractor shall provide the USACE Resident Engineer with an office, approximately 200 square feet in floor area, located where directed and providing space heat, electric light and power, and toilet facilities consisting of one lavatory and one water closet complete with connections to water and sewer facilities provided by the Contractor. At completion of the project, the office shall remain the property of the Contractor and shall be removed from the site. Utilities shall be connected and disconnected in accordance with local codes and to the satisfaction of the Contracting Officer.

C.8.6.2 Trailer-Type Mobile Office

The Contractor may, at its option, furnish and maintain a trailer-type mobile office acceptable to the Contracting Officer and providing as a minimum the facilities specified above for Resident Engineer's Office. The trailer shall be securely anchored to the ground at all four corners to guard against movement during high winds, up to 130 mph.

C.8.6.3 Furnishings for Government Field Office

The USACE field office shall be furnished with two desks, one drawing layout table, three chairs, a four-drawer vertical or two-drawer lateral file cabinet, a plain paper FAX machine, a business telephone with answering machine, a portable copier with automatic document feed, and an IBM compatible personal computer with SVGA monitor, 32 MB RAM minimum, 2+ GB hard drive, MS Windows, Microsoft Office Professional latest version, Microsoft Exchange Client latest version, 56K Fax/Modem, and HP Deskjet 340 printer. The telephone and FAX machine shall have single party lines, different from each other, and separate from the Contractor's phone line(s). All costs shall be borne by the Contractor and included in the contract price, except that long distance charges incurred by the USACE representative that exceed the amount indicated in paragraph SATELLITE COMMUNICATIONS will be paid for by USACE upon arrangement with the Contracting Officer.

C.8.7 LIVING ACCOMMODATIONS FOR GOVERNMENT REPRESENTATIVES

The Contractor shall furnish suitable separate living facilities near the job site to be used as quarters for the USACE representative(s) regularly employed at the job site, and located separately from the Contractor's area. The number of Government personnel requiring quarters will not exceed an average of 2 for the life of the contract, nor a maximum of 4 at any one time. The quarters provided shall include furniture, bedding and all linen changes. Quarters furnished shall be equivalent in quality to quarters furnished to the Contractor's supervisory personnel. Quartersing facilities shall meet with all prescribed safety, sanitation and health requirements.

All costs shall be borne by the Contractor and included in the contract price. The facilities shall be subject to the approval of the Contracting Officer and shall meet or exceed the following requirements:

- One house or modular-type housing unit, with the following.
- Double rooms each for two people each equipped with dresser, nightstand, one full-size bed and one twin with clean linen, blankets and pillows; each room to have at least 160 square feet of area.
- Equipped with a microwave oven, refrigerator with freezer, and cooking and eating utensils.
- Access to a utility room equipped with clothes washer and dryer.
- Access to a day room equipped with chairs, couch, and a color television with clear reception of basic, locally available cable or satellite TV service.
- A private bathroom, with toilet, wash basin, and shower with curtain, clean bath linen, and bath mat.

- Daily maid and janitorial service; weekly linen service.
- A telephone and answering machine.

The Contractor shall furnish and install utilities, providing connections to service locations. Accommodations shall be in place and connected by start of initial setup work at the job site and maintained through final cleanup. All costs shall be borne by the Contractor and included in the contract price.

C.8.8 CONTRACTOR-FURNISHED VEHICLES FOR GOVERNMENT

C.8.8.1 All Terrain Vehicles (ATV's)

The Contractor shall provide and maintain one four-wheel, all-terrain vehicles at the job site at all times for Government personnel. The ATV shall not be more than 5 years old. The ATV shall be in good repair, equipped with a helmet (large size), first-aid kit, 5-pound Type ABC fire extinguisher, and signal flares. The ATV shall be for the sole use of USACE representative(s) regularly employed at the job site or a Government visitor. If for any reason the ATV is out of service, a comparable alternate unit shall be provided. The Contracting Officer will inspect the ATV for suitability, and the appropriate safety items and will approve its use prior to the start of any Contractor operations. The cost of providing the vehicle and fuel, oil, maintenance and repairs shall be borne by the Contractor and included in the contract price. The vehicle shall be in place by start of work at the work site.

C.8.8.2 Four-Wheel Drive Sport Utility Vehicle (SUV)

The Contractor shall provide and maintain one four-wheel-drive late model 4-door sport utility vehicle (SUV) at the job site, in good repair and approved by the Contracting Officer, for the use of USACE representatives regularly employed at the job site. The cost of providing the vehicle and fuel, oil, and maintenance and repairs shall be borne by the Contractor and included in the contract price. The vehicle shall be in place by start of initial setup work at the job site and maintained through final cleanup. During down time, an equal substitute vehicle shall be provided immediately.

C.8.8.3 Satellite Communications

Satellite communications service and equipment for Government and Contractor use shall be provided on the job site by the Contractor. The equipment provided shall be continuous and functional at all times to send and receive with commercial telephone equipment in voice, fax, and modem modes. Three full-time and exclusive telecommunication lines shall be provided in USACE's quarters at the site. Internet connection shall also be provided. Three (3) hours per day of telephone use shall be provided for USACE. Phone line service for USACE representative shall be available continually, except during periods of generator down-time. Internet service shall be available on a continual basis, and usage shall be unlimited. The Contractor shall provide all equipment, leases, and user fees necessary for operation of the system. As a backup for the satellite phone, the Contractor shall provide a multi-channel VHF radio for emergency purposes.

C.8.9 ONSITE COMMUNICATION

Whenever the Contractor has the individual elements of its work so located that operation by normal voice between these elements is not satisfactory, the Contractor shall install a satisfactory means of communication, such as telephone or other suitable devices. The devices shall be made available for use by Government personnel.

C.8.10 RESTORATION OF STORAGE AREA

Upon completion of the project and after removal, if installed, of trailers, materials, and equipment from within the work area, fences shall be removed and will become the property of the Contractor. Areas used by the Contractor for the storage of equipment or material, or other use, shall be restored to the original or better condition.

C.9 ENVIRONMENT PROTECTION

C.9.1 GENERAL

The Contractor shall perform the work minimizing environmental pollution and damage as the result of Contractor operations. Environmental pollution and damage is the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade the utility of the environment for aesthetic, cultural and/or historical purposes. The control of environmental pollution and damage requires consideration of land, water, and air, and includes management of visual aesthetics, noise, solid waste, as well as other pollutants. The environmental resources within the project boundaries and those affected outside the limits of permanent work shall be protected during the entire duration of this contract. The Contractor shall comply with all applicable Federal and State environmental laws and regulations. Separate payment shall not be made for compliance. All compliance costs shall be included in the contract price.

C.9.1.1 Subcontractors

The Contractor shall ensure compliance with this section by subcontractors.

C.9.2 SUBMITTALS

C.9.2.1 Environmental Protection Plan

See Section titled SUBMITTALS.

C.9.3 PERMITS

See Section titled PERMITS.

C.9.4 LAND RESOURCES

The Contractor shall confine all on-island activities to areas defined by the Right of Entry (attached). Except in areas where site work is required, or access to site work areas is required, the Contractor shall not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, topsoil, and land forms without permission.

C.9.4.1 Tundra/Wetland Area Travel

Use of vehicles on tundra/wetland areas shall be minimized to only that required to accomplish the required work. Low-ground-pressure vehicles shall be used on tundra/wetland areas. Exceptions are areas immediately surrounding structures to be demolished, where heavy equipment is required to complete the work. Damage to tundra/wetland areas shall be minimized. Comply with applicable permits, and all applicable Federal, State, and local laws and regulations. Propose the method(s) of access in the Planning Documents.

C.9.5 WATER RESOURCES

C.9.5.1 Stream Crossings

Stream crossings shall allow movement of materials or equipment without violating water pollution control standards of the Federal, State or local Government. Stream crossings shall not block fish passage.

C.9.6 AIR RESOURCES

Equipment operation and activities or processes performed by the Contractor in accomplishing the project shall be in accordance with the State's air quality control rules and all Federal emission and performance laws and standards. Ambient Air Quality Standards set by the Environmental Protection Agency shall be maintained. Monitoring of air quality shall be the Contractor's responsibility. Contractor operations shall be controlled to minimize the spread of dust.

C.9.7 WASTE DISPOSAL

Disposal of wastes shall be in accordance with Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

C.9.7.1 Burning

See Section titled TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.

C.9.8 HISTORICAL, ARCHAEOLOGICAL, AND CULTURAL RESOURCES

Existing historical, archaeological, and cultural resources within the Contractor's work area will be so designated by the Contracting Officer if any has been identified. The Contractor shall take precautions to preserve all such resources as they existed at the time they were first pointed out. The Contractor shall provide and install protection for these resources and be responsible for their preservation during the life of the contract. If during field activities any previously unidentified or unanticipated resources are discovered or found, all activities that may damage or alter such resources shall be temporarily suspended. Resources covered by this paragraph include but are not limited to: any human skeletal remains or burials; animal parts; artifacts; shell, midden, bone, charcoal, or other deposits; rocks or coral alignments, pavings, wall, or other constructed features not specified for removal; and any indication of agricultural or other human activities not specified for removal. Upon such discovery or find, the Contractor shall immediately notify the Contracting Officer. While waiting for instructions the Contractor shall record, report, and preserve the finds.

C.9.9 NOTIFICATION OF NON-COMPLIANCE

The Contracting Officer will notify the Contractor in writing of any observed noncompliance with Federal, State or local laws or regulations, permits, and other elements of the Contractor's environmental protection plan. The Contractor shall, after receipt of such notice, inform the Contracting Officer of proposed corrective action and take such action when approved. If the Contractor fails to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No time extensions shall be granted or costs or damages allowed to the Contractor for any such suspensions.

C.10 CHEMICAL DATA QUALITY CONTROL

C.10.1 ACRONYMS

The definition of acronyms used by the Contractor that pertain to chemical data quality control shall be clearly defined for all contract related products and communications.

C.10.2 MEASUREMENT AND PAYMENT

Separate payment will not be made for providing and maintaining the chemical data quality requirements including the chemical data quality management, chemical data validation, minimum chemical data reporting requirements, and chemical data quality submittal requirements; these costs shall be included in the applicable unit prices or lump sum prices contained in the Proposal Schedule.

C.10.3 CHEMISTRY REQUIREMENTS

Chemical Data Quality Control (CDQC) shall be as defined in ER 1110-1-263; this ER, which integrates USACE guidance on the subject, shall be supplemented by EM 200-1-6 for detail technical guidance on CDQC. Tables and charts defining Design Analysis (DA), ROD, and remedial technology specific chemistry shall be according to or consistent with EM 200-1-3.

C.10.3.1 Data Quality Objectives (DQO)

Sample acquisition, chemical analysis and chemical parameter measurements shall be performed so that the resulting data meet and support data use requirements. The chemical data shall be acquired, documented, verified and reported to ensure that the specified precision, accuracy, representativeness, comparability, completeness and sensitivity requirements are achieved.

The DQOs for field screening shall be to obtain immediate field data sufficient to make field decisions to minimize waste generation and to determine if potential RCRA, Toxic Substance Control Act (TSCA), or U.S. Department of Transportation (DOT) wastes are present.

Compatibility field testing for bulking operations shall separate wastes for bulking into appropriate containers.

DQOs for environmental samples under this contract shall comply with the following, as appropriate for data use:

- State and Federal requirements;
- EM 200-1-3 Appendix I (February 2001);
- DOD QSM V.2 Appendices DOD-B, DOD-C, and DOD-D (June 2002); and
- ADEC UST Procedures Manual (November 2002) (for Alaska methods).

DOD QSM V.2 (June 2002) is available at the following website:

https://www.denix.osd.mil/denix/Public/Library/Compliance/EDQW/dod_v2_jul02_final.pdf

This does not apply to waste samples. For waste samples, DQOs shall be sufficient to allow waste characterization under RCRA.

C.10.3.2 Sampling, Analysis and Measurement

Quality control (QC) samples shall be collected for each matrix and for each test method at a ratio of one QC sample per 10 primary samples. QC samples are not required for waste characterization samples unless required by the disposal facility. QC samples shall be collected as split/duplicate samples for analysis in the Contractor's commercial testing or independent QC laboratory. Samples (except volatiles) shall be splits of homogenized samples. Samples for volatiles shall be collected as discrete duplicate/triplicates. The SAP shall include information regarding the quantities and types of these samples to be collected. Other Contractor QC samples (trip blanks, decontamination blanks, etc.) and other samples shall be taken as required by the SAP and the Internal Quality Control Reporting.

In addition to the blind field duplicate QC samples, quality assurance (QA) samples shall be collected for each matrix and for each test method at a ratio of one QC sample per 10 primary samples. QA samples are not required for waste characterization samples unless required by the disposal facility. QA and QC samples shall be taken simultaneously as triplicate splits. QA samples shall be collected as split/duplicate samples for shipment to QA laboratory designated by the District chemist as an external check on the laboratory analysis. Samples (except volatiles) shall be splits of homogenized samples. Samples for volatiles shall be collected as discrete duplicates/triplicates. This QA testing is in addition to, and separate from, the Contractor's commercial testing laboratory or independent QC laboratory internal QA testing. The SAP shall include information regarding the quantities and types of these samples to be collected. This confirmational quality assurance analysis will be performed at a designated government quality assurance laboratory.

C.10.3.2.1 Compatibility Field Testing for Bulking Operations

The Contractor shall use appropriate compatibility field tests prior to bulking operations. Incompatible wastes shall be segregated. The Contractor shall not perform the actual bulking operations without written authorization from the COR. After completion of the compatibility field testing and classifications, the Contractor shall contact the COR for authorization to proceed with the bulking operations. At this time, the Contractor shall submit to the COR all modifications to the original bulking scheme due to the completed compatibility tests and classifications.

C.10.3.2.2 Demolition Samples

Sampling and analysis for demolition shall be according to USAEHA-01. Comply with EPA Method 1311 requirements with regard to particle size.

C.10.3.2.3 Field Screening

Field screening shall be used to bulk package material in accordance with paragraph COMPATIBILITY FIELD TESTING FOR BULKING OPERATIONS and to segregate soil for placement in stockpiles.

Semi-quantitative field screening method, such as immunoassay, shall be used as needed to accomplish the requirements of the contract. Field screening for stockpile segregation shall be utilized according to ADEC USTPM.

The Contractor shall include in the SAP a description of the type of instruments selected, limits, action levels, and testing procedures for bulk compatibility testing and field screening.

C.10.4 QUALITY ASSURANCE ELEMENTS

The Contractor shall be responsible for the following QA elements necessary to monitor and ensure the quality of chemical data produced.

C.10.4.1 Laboratory Validation Requirements

The Contractor shall propose the minimum number of laboratories that can attain or have attained U.S. Army Corps of Engineers (USACE) validation in accordance with EM 200-1-1 and consistent with contract required chemical data quality. The Contractor may propose laboratories that shall subsequently be validated by the USACE, or select currently validated USACE laboratories. The Contractor shall identify all proposed project laboratories in the sampling and analysis plan (SAP). If a proposed analytical laboratory cannot meet specified analytical requirements or achieve the required validation, the Contractor shall select another laboratory. If not currently validated, the USACE laboratory validation process requires a nominal 120 day process. Laboratories shall also have ADEC approval for ADEC methods and be NELAP certified.

C.10.4.2 Quality Assurance Sample Collection and Analysis

The Contractor shall be responsible for collection and transportation of QA samples to the QA laboratory assigned by the District chemist. Samples for all analyses (except volatiles) shall be taken as splits of homogenized samples. Samples for volatiles shall be collected as discrete duplicates/triplicates. Samples shall be collected at a rate of 10 percent per matrix per analysis.

The Contractor shall submit the QA Laboratory Advance Notification (QALAN) to the District chemist at least 14 days prior to mobilization. The QALAN shall include a list of laboratory-related DQO. The DQO shall include, but shall not be limited to, identification of extraction and analysis method numbers, a list of analytes with required limits, estimated number of tests, approximate sampling dates, and requested completion date for QA testing. The Contractor shall notify the Contracting Officer (CO) and the QA laboratory immediately of any changes.

The Contractor shall provide all labor and field supplies, including sample containers and shipping coolers, for collecting and shipping samples for QA testing. The Contractor shall, in the presence of the QAR, properly collect, label, and package the QA samples, fill out all chain-of-custody forms, and ship the samples to the designated QA laboratory for analysis. The Contractor shall indicate the sample location IDs and the NPDL number on the chain-of-custody

The NPDL Number for this project is: 04-036

The Contractor shall notify the laboratory when all sampling is completed and shall clearly mark the chain-of-custody form accompanying the final shipment "FINAL" in 1 inch high lettering.

The Contractor shall allow 60 calendar days for laboratory analysis of QA samples, data review, and submission of the USACE chemical quality assurance report. The elapsed time shall begin when the Contractor's last sample arrives at the QA laboratory, provided that the Contractor's completed chemistry data package is received within 30 calendar days thereafter. Otherwise, the Contractor shall allow 30 calendar days from the date the completed chemistry data package is received by the Contracting Officer. The Contractor may, as an option, continue activities based on initial sampling and QC results, before receipt of QA test results. Where QA results are unacceptable due to Contractor negligence (e.g., improper sample collection and/or handling by the Contractor), or where QA sample results conflict with the Contractor's primary sample results, further sampling and testing shall be performed as directed by the Contracting Officer. All costs for such additional sampling and testing due to Contractor negligence, including both QC and QA testing and analysis, and for any required remedial actions in the work, shall be borne by the Contractor. USACE acceptance of final disposition of any excavated soil shall not occur until the Contractor's sampling and QC results have been confirmed by QA results. This includes all final stockpiling, wasting, backfilling, and related construction. No payment will be made for laboratory sampling and testing before receipt and acceptance by USACE of the QA samples and the completed Chemical Data Final Report (CDFR), properly formulated according to these specifications.

C.10.4.3 Review of Laboratory Data

USACE shall be responsible for the independent data review of the entire primary data set, QC data set, and QA data set.

C.10.5 SUBMITTALS

See Section titled SUBMITTALS.

C.10.6 QUALIFICATIONS

C.10.6.1 Chemical Quality Control Officer

See Section titled PERSONNEL.

C.10.6.2 Project Chemist

See Section titled PERSONNEL.

C.10.6.3 Environmental Sampler

See Section titled PERSONNEL.

C.10.7 COORDINATION MEETING

After the Pre-Mobilization Conference, before any sampling or testing, the Contractor and the Contracting Officer will meet at the Fairbanks Resident Office to discuss the CQC Plan and the SAP. The coordination meeting will be simultaneous to any CQC coordination meeting required in Section titled CONTRACTOR QUALITY CONTROL unless otherwise indicated or directed. A list of definable features that involve chemical measurements shall be agreed upon. At a minimum, each matrix (soil, water, air, containerized wastes, radioactive wastes, instrumental chemical parameter measurement, etc.) shall be a definable work feature. Management of the chemical data quality system including project DQO, project submittals, chemical data documentation, chemical data assessment, required sampling and analysis protocols, and minimum data reporting requirements shall be agreed upon. The meeting will serve to establish an interrelationship between the Contractor's chemical data quality management and Government chemical quality assurance requirements. Minutes of the meeting will be documented by USACE and shall be signed by both the Contractor and the Contracting Officer. The minutes will include any or all unresolved chemical issues along with the conditions for resolution and will become a part of the contract file.

C.10.8 GENERAL REQUIREMENTS

The Contractor shall be responsible for chemical sample acquisition, sample analysis, instrumental measurements of chemical parameters and for chemical data quality control. An effective chemical data quality control system shall be established that meets the requirements for the chemical measurement DQO applicable to the project. The system shall cover chemical measurements pertaining to and required for Contractor and subcontractor produced chemical data. The Contractor shall control field screening, sampling, and testing in conjunction with remedial activities to meet all DQO; minimize the amount of excavated material requiring temporary storage; prevent dilution of contaminated soils with clean soils; and ensure completion of work within the required time.

C.10.9 QUALITY CONTROL PLAN

See Section titled SUBMITTALS.

C.10.9.1 Chemistry Elements of the CQC Plan

See Section titled SUBMITTALS.

C.10.9.2 Qualifications

See Section titled SUBMITTALS.

C.10.9.3 Authority and Responsibility

See Section titled SUBMITTALS.

C.10.10 SAMPLING AND ANALYSIS PLAN

See Section titled SUBMITTALS.

C.10.10.1 Field Sampling Plan

See Section titled SUBMITTALS.

C.10.10.2 Quality Assurance Project Plan

See Section titled SUBMITTALS.

C.10.11 CHEMISTRY DATA PACKAGE

See Section titled SUBMITTALS.

C.10.12 CONTROL OF CHEMICAL DATA QUALITY

Contractor chemical data quality control shall ensure that a quality control program is in place that assures sampling and analytical activities and the resulting chemical parameter measurement data comply with the DQO and the requirements of the SAP. The Contractor shall utilize the three-phase control system that includes a preparatory, initial and follow-up phase for each definable feature of work as indicated in EM 200-1-3. The Contractor's three-phase chemical data control process shall ensure that data reporting requirements are achieved and shall be implemented according to Section titled CONTRACTOR QUALITY CONTROL. The three-phase chemical data control process shall be combined with that under Section titled CONTRACTOR QUALITY CONTROL.

C.10.13 ANALYTICAL TESTING LABORATORIES

The Contractor shall propose the analytical laboratories to be used for the primary samples analyses. Laboratory validation requirements shall be in accordance with paragraph LABORATORY VALIDATION REQUIREMENTS. The Contractor may utilize its own laboratory or utilize subcontract laboratories to achieve the primary required sample analyses. The laboratory shall be USACE certified and ADEC-approved.

C.10.14 Laboratory Analytical Requirements

The Contractor shall provide the specified chemical analyses by the Contractor's laboratory. The Contractor shall provide chemical analyses to achieve the project DQO for all parameters specified by the methods. To give the USACE programs the greatest flexibility in the execution of its projects, the EPA SW-846 methods are generally the methods employed for the analytical testing of environmental samples. These methods are flexible and shall be adapted to individual project-specific requirements.

C.10.14.1 Laboratory Performance

The Contractor shall provide continued acceptable analytical performance and shall establish a procedure to address data deficiencies noted by review and/or quality assurance sample results. The Contractor shall provide and implement a mechanism for providing analytical labs with the SAP or QAPP portion of the SAP, for monitoring the lab's performance and for performing corrective action procedures. The Contractor shall acquire analytical services with additional USACE and State of Alaska validated laboratories in the event a project lab loses its validation status during the project.

C.10.15 CHEMICAL DATA FINAL REPORT

See Section titled SUBMITTALS.

C.10.16 DOCUMENTATION

Documentation records shall be provided as factual evidence that required chemical data has been produced and chemical data quality has been achieved. The documentation shall comply with the requirements specified in paragraphs SAMPLING AND ANALYSIS PLAN, CHEMISTRY DATA PACKAGE, and CHEMICAL DATA FINAL REPORT.

C.10.17 NOTIFICATION OF NON-COMPLIANCE

The Contracting Officer will notify the Contractor of any detected non-compliance with the foregoing requirements. The Contractor shall take immediate corrective action after receipt of such notice.

C.11 TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS

C.11.1 DEFINITIONS

Hazardous Material. A substance or material which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce, and which has been so designated pursuant to the Hazardous Materials Transportation Act, 49 U.S.C. Appendix Section 1801 et seq. The term includes materials designated as hazardous materials under the provisions of 49 CFR 172, Sections .101 and .102 and materials which meet the defining criteria for hazard classes and divisions in 49 CFR 173. EPA designated hazardous wastes are also hazardous materials.

Hazardous Waste. A waste which meets criteria established in RCRA or specified by the EPA in 40 CFR 261 or which has been designated as hazardous by a RCRA authorized state program.

C.11.2 LAWS AND REGULATIONS REQUIREMENTS

Work shall meet or exceed the minimum requirements established by Federal, State, and local laws and regulations that are applicable. These requirements are amended frequently and the Contractor shall be responsible for complying with amendments as they become effective. In the event that compliance exceeds the scope of work or conflicts with specific requirement of the contract, the Contractor shall notify the Contracting Officer immediately.

C.11.3 AGENCIES

The following agencies are involved in the regulation of the transportation, use, accumulation, and disposal of hazardous materials:

U.S. Environmental Protection Agency
Region 10
1200 6th Avenue
Seattle, WA 98101
For information call: EPA Anchorage Office (907) 271-5083 Federal Facilities
Coordinator

Alaska Department of Environmental Conservation (for information)
Hazardous Waste Office
Juneau, Alaska
Phone: (907) 465-5156/5161

Alaska Department of Environmental Conservation (for submittal of manifests) Manifest
Coordinator
Division of Environmental Quality, Air and Solid Waste Management
P.O. Box O
Juneau, Alaska 99811-1800

Environment Canada
Inspections Section
Enforcement and Emergencies Division
Environmental Protection
224 West Esplanade
North Vancouver, B.C., V7M3H7

Environment Canada
Transportation Section
Hazardous Wastes Division
Waste Management Section
12th Floor, P.V.M.
351 St. Joseph Blvd.
Hull, Quebec K1A03H

C.11.4 GENERATOR

C.11.4.1 EPA ID Numbers

The EPA RCRA ID Number for this project is: AK0000228395

For RCRA hazardous waste, the identification number is for a large quantity generator with the following waste codes: D001, D002, D003. The Contractor shall notify the USACE RCRA Contact immediately if other waste codes will need to be used or if changes in generator status are needed. The USAEC contact is:

Mr. Kenneth Andraschko
CEPOA-EN-EE-A
P.O. Box 6898
Anchorage, Alaska 99506-6898
(907) 753-5647

The PCB generator number for this project is: AK0000228395

C.11.4.2 Manifest Signature

A Government representative will sign manifests. The Contracting Officer will indicate who will sign manifests as generator. The Contractor shall provide a minimum of 48 hours notice to the Contracting Officer before a manifest is to be signed by the generator. The Contractor shall ensure that the following personnel are available for questions at each signing of a manifest; the Contracting Officer or his representative, the Prime Contractor, the Transportation and Disposal Coordinator. The Contractor shall be responsible for signing any Canadian manifests required for transport.

C.11.5 SUBMITTALS

See Section titled SUBMITTALS.

C.11.6 QUALIFICATIONS

See Section titled PERSONNEL

C.11.6.1 Training

Hazardous materials employees shall be trained, tested, and certified in accordance with 49 CFR 172.

C.11.6.2 Certification

Transporters of hazardous materials shall possess a current certificate of registration issued by the Research and Special Programs Administration (RSPA), U.S. Department of Transportation, when required by 49 CFR 107, Subpart G.

C.11.7 TITLE TO MATERIALS

See Section titled SUMMARY OF WORK.

C.11.8 SAMPLING AND ANALYSIS FOR TRANSPORTATION AND DISPOSAL

It is the responsibility of the Contractor to determine and conduct all material sampling and analysis required to transport and dispose of all materials in compliance with all applicable laws and regulations. This includes investigation derived waste samples. Costs for this sampling and analysis shall be included by the Contractor in the proposed price. Separate payment shall not be made for this sampling and analysis.

C.11.9 MATERIAL HANDLING AND PREPARATION

The Contractor shall provide all of the materials required for the packaging, labeling, marking, placarding and transportation of hazardous wastes and hazardous materials in conformance with Department of Transportation standards. Details in this section shall not be construed as establishing the limits of the Contractor's responsibility.

C.11.9.1 Packaging

The Contractor shall provide containers for packaging hazardous materials/wastes consistent with the authorizations referenced in the Hazardous Materials Table in 49 CFR 172, Section .101, Column 8. Bulk and non-bulk packaging shall meet the corresponding specifications in 49 CFR 173referenced in the Hazardous Materials Table, 49 CFR 172, Section .101. Each packaging shall conform to the general packaging requirements of Subpart B of 49 CFR 173, to the requirements of 49 CFR 178 at the specified packing group performance level, to the requirements of special provisions of column 7 of the Hazardous Materials Table in 49 CFR 172, Section .101, and shall be compatible with the material to be packaged as required by 40 CFR

262. The Contractor shall also provide other packaging related materials such as materials used to cushion or fill voids in overpacked containers, etc. Sorbent materials shall not be capable of reacting dangerously with, being decomposed by, or being ignited by the hazardous materials being packaged. Additionally, sorbents used to treat free liquids to be disposed of in landfills shall be non-biodegradable as specified in 40 CFR 264, Section .314.

C.11.9.2 Markings

The Contractor shall provide markings for each hazardous material/waste package, freight container, and transport vehicle consistent with the requirements of 49 CFR 172, Subpart D and 40 CFR 262, Section .32 (for hazardous waste), 40 CFR 761, and Section .45 (for PCBs), 40 CFR 61, Section .149(d) (for asbestos). Markings shall be capable of withstanding, without deterioration or substantial color change, a 180 day exposure to conditions reasonably expected to be encountered during container storage and transportation.

C.11.9.3 Labeling

The Contractor shall provide primary and subsidiary labels for hazardous materials/wastes consistent with the requirements in the Hazardous Materials Table in 49 CFR 172, Section .101, Column 6. Labels shall meet design specifications required by 49 CFR 172, Subpart E including size, shape, color, printing, and symbol requirements. Labels shall be durable and weather resistant and capable of withstanding, without deterioration or substantial color change, a 180 day exposure to conditions reasonably expected to be encountered during container storage and transportation.

C.11.9.4 Placards

For each off-site shipment of hazardous material/waste, the Contractor shall provide primary and subsidiary placards consistent with the requirements of 49 CFR 172, Subpart F. Placards shall be provided for each side and each end of bulk packaging, freight containers, transport vehicles, and rail cars requiring such placarding. Placards may be plastic, metal, or other material capable of withstanding, without deterioration, a 30 day exposure to open weather conditions and shall meet design requirements specified in 49 CFR 172, Subpart F.

C.11.9.5 Spill Response Materials

The Contractor shall provide spill response materials including, but not limited to, containers, adsorbent, shovels, and personal protective equipment. Spill response materials shall be available at all times in which hazardous materials/wastes are being handled or transported. Spill response materials shall be compatible with the type of material being handled.

C.11.9.6 Equipment and Tools

The Contractor shall provide miscellaneous equipment and tools necessary to handle hazardous materials and hazardous wastes in a safe and environmentally sound manner.

C.11.9.7 Transport Containers

It is the Contractor's responsibility to adequately verify that liners and methods to be used to load and secure the containers shall be in accordance with all applicable laws and regulations, including the design and placement of liners and covers, and sealing of the containers.

C.11.10 DISPOSAL UNDER THIS CONTRACT

All items to be disposed under this contract shall be disposed of offsite, off-island, at an approved facility. The Contractor shall salvage and recycle material and items where allowed and in compliance with all applicable laws and regulations.

C.11.10.1 Offsite Disposal of Materials

There will be no Government disposal areas for this contract. The Contractor shall determine which landfill will be used for the disposal of debris. The landfill must be properly permitted in accordance with all applicable laws and regulations, and is subject to approval by the Contracting Officer.

Asbestos-containing waste shall be disposed of at an EPA, State and local approved asbestos landfill. Procedure for hauling and disposal shall comply with 40 CFR 61, Subpart M, State, regional, and local standards.

C.11.10.2 Salvageable Materials

Salvageable material shall become the property of the Contractor. The value of such salvage shall be reflected in the contract price. The Contractor shall comply with all applicable Federal, State, and local laws and regulations associated with salvage. Describe plans for salvage in the Planning Documents. There are no items to be salvaged to remain the property of the Government under this contract. There are no historical items to be salvaged under this contract.

C.11.10.3 Burning

C.11.10.3.1 Burning Camp Wastes

The Contractor shall be responsible for obtaining and complying with all permits necessary to conduct burning in accordance with applicable regulations. Ashes shall be properly disposed of off-island.

C.11.10.3.2 Burning Debris

The Contractor is responsible for obtaining all applicable permits for burning and for complying with permit criteria. If burning is conducted, the Contractor shall be responsible for verifying that the ash waste stream is in compliance with the existing EPA ID Number criteria and associated waste codes. If the Contractor identifies the potential for conflicting waste codes, they shall

notify the Contracting Officer prior to conducting the burning. The Contractor shall comply with air quality laws and regulations that may apply as a result of burning materials.

This site is not an EPA permitted treatment, storage, and disposal (TSDF) facility. The contractor shall not conduct activities at the site requiring TSDF permitting.

C.11.10.4 Recycling

If the Contractor desires to recycle painted materials, the Contractor shall be responsible for obtaining all required regulatory approvals as needed to facilitate this approach, including testing that may be needed, at no additional cost to the contract. The Contractor shall notify the recycling facility of the paint, and shall obtain written acceptance of the material from the recycler. This acceptance, as well as written documentation of regulatory approval, shall be submitted to the Contracting Officer.

C.11.10.5 On-Island Disposal (Monofill)

Disposal of debris in an on-island monofill has been proposed on several occasions in the past and has consistently failed to win landowner approval.

Offerors are advised that disposal of debris on-island would require approval by USACE, ADEC, landowners (Native corporations), and St. Lawrence Island residents. Each of these parties might have criteria that would have to be met in order to gain approval. These criteria are not known at this time, and the criteria by different parties might conflict. Separate payment will not be made for efforts to obtain approvals for on-island disposal of debris.

All costs for permitting, handling, packaging, transportation, and disposal of materials required to be removed under this contract in accordance with all applicable laws and regulations shall be included in the contract price.

C.11.11 OFF-SITE HAZARDOUS WASTE MANAGEMENT

The Contractor shall use RCRA Subtitle C permitted facilities which meet the requirements of 40 CFR 264 or facilities operating under interim status which meet the requirements of 40 CFR 265. Off-site treatment, storage, and/or disposal facilities with significant RCRA violations or compliance problems (such as facilities known to be releasing hazardous constituents into ground water, surface water, soil, or air) shall not be used.

C.11.11.1 Description of TSD Facility and Transporter

The Contractor shall provide the Contracting Officer with EPA ID numbers, names, locations, and telephone numbers of TSD facilities and transporters. This information shall be contained in the Waste Management Plan for approval prior to waste disposal.

C.11.11.2 Status of the Facility

Facilities receiving hazardous waste must be permitted in accordance with 40 CFR 270 or operating under interim status in accordance with 40 CFR 265 requirements, or must be permitted by an authorized state program. Additionally, prior to using a TSD Facility, the Contractor shall contact the EPA Regional Off-site Coordinator specified in 40 CFR 300, Section .440, to determine the facility's status, and document all information necessary to satisfy the requirements of the EPA Off-Site policy and furnish this information to the Contracting Officer.

C.11.11.3 Shipping Documents and Packagings Certification

Prior to shipment of any hazardous material off-site, the Contractor's TDC shall provide written certification to the Contracting Officer that hazardous materials have been properly packaged, labeled, and marked in accordance with Department of Transportation and EPA requirements.

C.11.11.4 Transportation

The Contractor shall use manifests for transporting hazardous wastes as required by 40 CFR 263 or any applicable State or local law or regulation. Transportation shall comply with all requirements in the Department of Transportation referenced regulations in the 49 CFR series. The Contractor shall acquire manifests in accordance with the hierarchy established in 40 CFR 262, Section .21. The Contractor shall prepare hazardous waste manifests for each shipment of hazardous waste shipped off-site. Manifests shall be completed using instructions in 40 CFR 262, Subpart B and any applicable state or local law or regulation. Manifests and waste profiles shall be submitted to Contracting Officer for review and approval. The Contractor shall prepare land disposal restriction notifications as required by 40 CFR 268 or any applicable State or local law or regulation for each shipment of hazardous waste. Notifications shall be submitted with the manifest to the Contracting Officer for review and approval. For those wastes that the Contractor needs or elects to transport through Canada, Canadian manifests and documents will be signed by the Contractor or transporter as the generator and a copy provided with the complete manifest package. In accordance with Canada's Export and Import of Hazardous Waste Regulations (EIWR) the exporter of the waste must file a Transit Notice with:

Chief, Hazardous Waste Management Division
Office of Waste Management
Department of the Environment
12th Floor
351 St. Joseph Blvd.
Hull, Quebec K1A0H3

EIWR provides that the exporter may sign as the generator, and Environment Canada's User's Guide to Hazardous Waste Manifest, specifically states that, This person is normally the carrier. Manifests for Hazardous Materials and Hazardous Wastes being transported from Alaska through Canada by air, rail, land, or water shall be signed by the Contractor or transporter (carrier).

C.11.11.5 Treatment and Disposal of Hazardous Wastes

Hazardous waste shall be transported to an approved hazardous waste treatment, storage, or disposal facility within 90 days of the accumulation start date on each container. The Contractor shall ship hazardous wastes only to facilities which are properly permitted to accept the hazardous waste or operating under interim status. The Contractor shall ensure wastes are treated to meet land disposal treatment standards in 40 CFR 268 prior to land disposal. The Contractor shall propose TSD facilities via submission of the Hazardous Waste Management Plan, subject to the approval of the Contracting Officer.

C.11.12 HAZARDOUS MATERIALS MANAGEMENT

The Contractor, in consultation with the Transportation and Disposal Coordinator, shall evaluate prior to shipment of any material off-site whether the material is regulated as a hazardous waste in addition to being regulated as a hazardous material; this shall be done for the purpose of determining proper shipping descriptions, marking requirements, etc., as described below.

C.11.12.1 Identification of Proper Shipping Names

The Contractor shall use 49 CFR 172, Section .101 to identify proper shipping names for each hazardous material (including hazardous wastes) to be shipped off-site. Proper shipping names shall be submitted to the Contracting Officer in the form of draft shipping documents for review and approval.

C.11.12.2 Packaging, Labeling, and Marking

The Contractor shall package, label, and mark hazardous materials/wastes using the specified materials and in accordance with the referenced authorizations. The Contractor's Transportation and Disposal Coordinator shall certify that the waste has been placed in the appropriate packaging for the type of hazardous material/waste and the mode of transportation. Seals on shipping containers shall be checked at the storage site and after loading onto transportation for final disposal. The Contractor shall mark each container of hazardous waste of 104 gallons or less with the following:

"HAZARDOUS WASTE - Federal Law Prohibits Improper Disposal.
If found, contact the nearest police or public safety authority or the U.S. Environmental
Protection Agency.
Generator's name _____
Manifest Document Number _____".

C.11.12.3 Shipping Documents

The Contractor shall ensure that each shipment of hazardous material sent off-site is accompanied by properly completed shipping documents.

C.11.12.4 PCB Waste Shipment Documents

The Contractor shall prepare hazardous waste manifests for each shipment of PCB waste shipped off-site. Manifests shall be completed using instructions in 40 CFR 761, Sections .207 and .208 and all other applicable requirements. Documents shall be submitted to the Contracting Officer for review and approval.

C.11.12.5 Asbestos Waste Shipment Documents

The Contractor shall prepare waste shipment records as required by 40 CFR 61 for shipments of asbestos. Waste shipment records shall be submitted to the Contracting Officer for review and approval. Waste shipment records shall be signed by the Contractor.

C.11.12.6 Other Hazardous Material Shipment Documents

The Contractor shall prepare a bill of lading for each shipment of hazardous material which is not accompanied by a hazardous waste manifest or asbestos waste shipment record which fulfills the shipping paper requirements. The bill of lading shall satisfy the requirements of 49 CFR 172, Subpart C, and 40 CFR 279 if shipping used oil and any applicable state or local law or regulation, and shall be submitted to the Contracting Officer for review and approval. For laboratory samples and treatability study samples, the Contractor shall prepare bills of lading and other documentation as necessary to satisfy conditions of the sample exclusions in 40 CFR 261, Section .4(d) and (e) and any applicable state or local law or regulation. Bill of ladings requiring shipper's certifications shall be signed by the designated Government representative onsite, if available. If the designated Government representative is not available onsite, the bill of ladings shall be signed by the Contractor.

The Contractor shall update the Transportation and Disposal Tracking Form (a sample tracking form is located at the end of this specification section) continuously. A current form shall be provided to the Contracting Officer weekly starting the week with the first off-site shipment. This form allows the tracking of key Transportation and Disposal (T&D) milestones throughout the performance of this Contract. The form lists all waste materials going off-site. When tracking the waste, the Contractor shall identify the date that the Transporter accepts the waste by their signature on the manifest. The Contractor's proposed Tracking Form shall be submitted as part of the Waste Management Plan. The final Transportation and Disposal Tracking Form shall be included in the Removal Action Report.

C.11.12.7 Complete Manifest Package

The complete manifest package consists of all hazardous waste manifests (including Canadian manifests, Canadian confirmation letter, and Canadian transit notice, if applicable), hazardous material shipping papers, waste profile sheets, the land disposal restriction notification and certification forms, and all other supporting documentation. Supporting documentation shall include waste disposal history, all analytical results, Material Safety Data Sheets available, and any other information received in identifying the proper waste code. The Contractor shall also include as part of the supporting documentation, the specific type of inner and outer packaging, markings, labeling, and placards offered to the transporter. The Contractor shall also comply with the requirements below.

C.11.12.7.1 Preparation

The Contractor shall have a single Transportation and Disposal Coordinator review the complete manifest package and shipping documentation. The Transportation and Disposal Coordinator shall certify as correct the hazardous waste Manifest, Waste Profile Sheets, and Land Disposal Restriction Notification and Certification forms and supporting documentation. Once the review is completed, the Contractor shall submit these documents to the Contracting Officer for review and approval. Written certification of accuracy from the Transportation and Disposal Coordinator shall accompany the submittal.

C.11.12.7.2 Submittal

The Transportation and Disposal Coordinator shall submit to the Contracting Officer a reproducible copy of the Complete Manifest Package for each shipment a minimum of 14 days before the shipment is to be turned over to the transporter. The Contractor shall hold the original Complete Manifest Package and make corrections based on the Contracting Officer approval prior to submittal to the generator's representative for signature. Submittals that are disapproved will be returned to the Contractor to be revised.

C.11.12.7.3 Approval

The Contractor shall not transport or ship any wastes prior to Contracting Officer approval of the Complete Manifest Package. USACE will make every effort to conduct the review/approval process within fourteen (14) calendar days after the Contracting Officer receives the Complete Manifest Package. If USACE reviewers are unavailable or extensive review of federal or state laws or regulations is required, the Contracting Officer will notify the Contractor within four (4) calendar days of submittal.

C.11.12.7.4 Manifest Copy Distribution

Two copies of the manifest signed by the generator and the originating Transporter and the remainder of the approved Complete Manifest Package shall be provided to the Contracting Officer within 24 hours of the Transporter signing. Two copies of the manifest document ONLY signed by the generator and originating Transporter shall be submitted to the ADEC Manifest Coordinator within ADEC-required time constraints.

C.11.12.7.5 Terminal Manifest

Upon final disposition of the waste, the original plus two copies of the signed terminal Manifest shall be submitted to the Northern Area Office.

C.11.12.7.6 Exception Reports for PCB Waste

The Contractor shall verify if the generator has received a copy of the signed manifest from the TSDf on or before the 35th day after Transporter signature. If the generator or generator's

representative has failed to receive a signed copy of the manifest by the 38th day, the Contractor shall prepare an EPA Exception Report. The Exception Report shall be submitted to the Contracting Officer no later than day 40. This information shall also be presented in the Closure Report. Resolution of each Exception Report shall be included in the Transportation and Disposal Closure Report. The Contractor shall document all calls to locate shipments and submit documentation with the Exception Report.

C.11.12.7.7 Discrepancy Reports

Discrepancies due to differences between the quantities of hazardous waste designated on the manifest or shipping papers, and the quantity of hazardous waste a facility actually receives shall be reported to the Contracting Officer and rectified by the Contractor within 15 days after receiving the waste. A completed EPA Discrepancy Report shall be completed and submitted to the Contracting Officer's Representative at least 5 days before it is required at EPA. In addition, this information shall be presented in the Transportation and Disposal Closure Report.

C.11.13 SPECIAL REQUIREMENTS FOR ASBESTOS WASTES

The Contractor shall manage asbestos containing wastes in accordance with all applicable Federal, State, and local laws and regulations.

C.11.14 WASTE MINIMIZATION

The Contractor shall minimize the generation of hazardous waste to the maximum extent practicable. The Contractor shall take all necessary precautions to avoid mixing clean and contaminated wastes. The Contractor shall identify and evaluate recycling and reclamation options as alternatives to land disposal. Requirements of 40 CFR 266 shall apply to: hazardous wastes recycled in a manner constituting disposal; hazardous waste burned for energy recovery; lead-acid battery recycling; and hazardous wastes with economically recoverable precious metals.

C.11.15 RECORDKEEPING

The Contractor shall be responsible for maintaining adequate records to support information provided to the Contracting Officer regarding exception reports, annual reports, and biennial reports. The Contractor shall be responsible for maintaining asbestos waste shipment records for a minimum of 3 years from the date of shipment or any longer period required by any applicable law or regulation or any other provision of this contract.

C.11.15.1 Biennial Reporting

The Contractor shall fill out EPA Biennial Hazardous Waste Reporting forms in accordance with the latest EPA Biennial Reporting manual, and provide the forms to the Contracting Officer by serial letter within 90 days after completion of the field activities conducted during each field season. The Contractor shall not sign the forms. Forms shall be filled out for the calendar year of waste generation, management and/or shipment. The Contractor shall complete the forms

regardless of generator status and regardless of whether or not a large quantity was generated. Provide the following forms:

- RCRA Subtitle C Site Identification Form
- Form GM

Instructions for completing the forms are available at the following website:

<http://yosemite.epa.gov/r10/owcm.nsf/87b3a0af7a396bf9882564f8002c4080/153475f16736259288256501007dfdc4?OpenDocument>

C.11.16 SPILL RESPONSE

The Contractor shall respond to any spill of hazardous material or hazardous waste which are in the custody or care of the Contractor, pursuant to this contract. Any direction from the Contracting Officer concerning a spill or release shall not be considered a change under the contract. The Contractor shall comply with all applicable requirements of Federal, State, or local laws or regulations regarding any spill incident. Spill response shall be coordinated with the spill response portion of the Environmental Protection Plan.

C.11.17 EMERGENCY CONTACTS

The Contractor shall be responsible for complying with the emergency contact provisions in 49 CFR 172, Section .604. Whenever the Contractor ships hazardous materials, the Contractor shall provide a 24 hour emergency response contact and phone number of a person knowledgeable about the hazardous materials being shipped and who has comprehensive emergency response and incident mitigation information for that material, or has immediate access to a person who possesses such knowledge and information. The phone must be monitored on a 24 hour basis at all times when the hazardous materials are in transportation, including during storage incidental to transportation. The Contractor shall ensure that information regarding this emergency contact and phone number are placed on all hazardous material shipping documents. The Contractor shall designate an emergency coordinator and post the following information at areas in which hazardous wastes are managed:

- The name of the emergency coordinator.
- Phone number through which the emergency coordinator can be contacted on a 24 hour basis.
- The telephone numbers of the local fire department(s) located enroute between the project site and the final disposal location. Note there is no local fire department at the project site itself.
- The location of fire extinguishers and spill control materials.

C.11.18 ATTACHMENTS

Sample Offsite Policy Certification Memo

Attachment A

SAMPLE OFF-SITE POLICY CERTIFICATION MEMO

Project/Contract #: _____
Waste Stream: _____
Primary TSD Facility, EPA ID # and Location: _____
Alter. TSD Facility, EPA ID # and Location: _____

<u>EPA Region</u>	<u>Primary Contact</u>	<u>Secondary Contact</u>
I	(617) 565-9446	(617) 573-1754
II	(212) 637-4139	(212) 264-2638
III	(814) 566-3450	(215) 597-8338
IV	(404) 562-8589	(404) 347-7603
V	(312) 886-3587	(312) 886-4445
VI	(214) 665-2282	(214) 655-2281
VII	(913) 551-7883	(913) 551-7667
VIII	(303) 312-6419	(303) 293-1506
IX	(415) 744-2091	(415) 744-2114
X	(206) 553-1061	(206) 553-1061

EPA representative contacted: _____
EPA representative phone number: _____
Date contacted: _____
Comment: _____

The above EPA representative was contacted on _____. As of that date the above sites were considered acceptable in accordance with the Off-Site Policy in 40 CFR 300.440.

Signature: _____ Date: _____
Phone number: _____

C.12 SURVEY AND AS-BUILT DRAWINGS

C.12.1 SURVEY REQUIREMENTS

Survey services to be provided consist of the following: establishing the x, y, and z coordinates for sample locations and excavations. Surveys shall be performed by or under the direct supervision of a professional land surveyor licensed within the State of Alaska.

C.12.1.1 Survey Control

All horizontal and vertical control shall originate from and end on existing information as provided by the Alaska District, Corps of Engineers. Existing survey control locations are shown on the drawings. Grid systems to be used when performing surveys shall follow those existing at the site.

C.12.1.2 Monuments

All effort shall be made to protect established survey monuments from accidental removal caused by earth movement activities and operating heavy equipment near the monuments. Should monuments be required to be established, due to disturbance, destroyed within site cleanup area or lack of control monuments at the site, procedures for installations shall follow guidelines described in EM 1110-1-1002 SURVEY MARKERS AND MONUMENTATION.

C.12.1.3 Survey Procedures and Specifications

The use of Global Positioning System (GPS) shall follow guidelines delineated in EM 1110-1-1005 TOPOGRAPHIC SURVEYING. The EM's referenced above are available on the Internet at the following address:

<http://www.usace.army.mil/inet/usace-docs/eng-manuals/em.htm>

C.12.1.4 Accuracy Standards

The survey shall conform to Third-Order Class 1 requirements for establishing new primary control as specified in EM 1110-1-1005 TOPOGRAPHIC SURVEYING. Secondary control for the location of the items shall also conform to EM 1110-1-1005.

C.12.2 AS-BUILT DRAWING REQUIREMENTS

The As-Built drawings shall be a record of the demolition and debris removal as completed by the Contractor. They shall include the information shown on the contract drawings and a record of all deviations, modifications or changes from those drawings, however minor, which were incorporated into the work, additional work not appearing on the contract drawings, and changes which were made after final inspection of the contract work. Individual as-built items required to be submitted under other sections of these specifications shall also be included in the final complete set of As-Built drawings. References to amendments (and the location indicators of

those amendments) issued by USACE shall be removed from the drawings. The title block on each sheet shall reflect the Contract Number, Contractor Company Name, City, and State. Each sheet shall be labeled "AS-BLT" in a location immediately preceding the Drawing Number. The Invitation Number located below the title block shall remain unchanged. The full size mylar prints specified in paragraph FINAL SUBMITTAL shall be signed by the Prime Contractor or a representative of the Prime Contractor having full contractual authority.

C.12.3 PRELIMINARY AS-BUILT MARKED PRINTS

The Contractor shall mark up one set of paper prints to show the As-Built conditions. These As-Built marked prints shall be kept current and available on the jobsite at all times. Changes from the contract plans which are made in the work, or additional information uncovered in the course of work, shall be accurately and neatly recorded, as they occur, by means of details and notes. No work shall be concealed until it has been inspected, approved and recorded. The As-Built marked prints will be jointly inspected for accuracy and completeness by the Contracting Officer and the Contractor prior to submission of the monthly pay estimate. Failure to keep the As-Built marked prints on a current basis shall be sufficient justification to suspend pay estimates. Information to be shown on the drawings shall include, but is not limited to:

- The location and description of utility lines or other installations of any kind known to exist within the work area. The locations shall be referenced by including dimensions to permanent features.
- The location and identification of surface installations within 100 feet of the work.
- The location and dimensions of changes within buildings or structures.
- Correct grade and alignment of roads, structures or utilities if changes were made from contract plans.
- Correct elevations if changes were made in site grading.
- Changes in details of design or additional information obtained from working drawings specified to be prepared or furnished by the Contractor, including but not limited to fabrication, erection, installation plans and placing details, pipe sizes, insulation material, dimensions of equipment foundations, etc.
- The topography and grades of drainage installed or affected as a part of the project.
- Changes or modifications which result from the final inspection.

C.12.3.1 Review and Approval

The originals plus one copy of the preliminary As-Built marked prints shall be delivered to the Contracting Officer at the time of final inspection for review and approval. In preparing its schedule, the Contractor shall allow at least one working day for Government review of every five typical construction sheets, and one working day for review of each complex mechanical and electrical sheet. If the originals are returned for corrections, the Contractor shall make the corrections and resubmit the originals plus one copy. Upon approval, the original As-Built marked prints will be returned to the Contractor.

C.12.4 DRAFTING STANDARDS

One copy of the original contract drawings on CD ROM disk(s) in AUTOCAD version 2000 format will be furnished to the Contractor at the beginning of the contract. The final As-Built submittal shall be presented in AUTOCAD version 2000 format on CD ROM disk(s) and on mylar prints as specified in paragraph FINAL AS-BUILT SUBMITTAL. The original contract drawings shall be modified as may be necessary to correctly show all features of the project as it has been conducted by bringing the contract set into agreement with the preliminary As-Built prints and adding such drawings as may be necessary. Upon completion they shall be delivered to the Contracting Officer, together with the preliminary As-Built marked prints, for final approval.

C.12.4.1 Draftsmanship

Personnel proficient in the use of computer aided drafting techniques shall be employed to modify the original contract drawings and prepare additional drawings. Additions and corrections to the original contract drawings shall be neat, clean, and legible and shall match the existing linework and/or lettering in type, density, size and style. If additional drawings are required, they shall be prepared in the same size and format as the original drawings, using the same title block, sheet numbering sequence, etc. The Contracting Officer will review all As-Built drawings for accuracy, and for conformance to the specified drafting standards. The Contractor shall make all corrections, changes, additions and deletions required to meet these standards.

C.12.5 FINAL AS-BUILT SUBMITTAL

The final submittal shall be made no later than 30 days following Contracting Officer approval of the preliminary As-Built marked prints. The final submittal shall be two copies on CD ROM disk(s) and one full size set of mylar prints. All CD ROM disks and mylar prints will become the property of USACE upon final approval. Failure to submit As-Built drawings as required herein shall be cause for withholding any payment due the Contractor under this contract.

C.12.6 PAYMENT

No separate payment will be made for As-Built drawings. The cost shall be included in the contract price.

C.13 REFERENCE DOCUMENTS

C.13.1 REFERENCE DOCUMENTS

C.13.1.1 General

The documents listed below are applicable to this contract. While effort has been made to ensure the completeness of this list, Contractor is cautioned that they must meet all specified requirements documents cited, whether or not they are listed here.

U.S. ARMY CORPS OF ENGINEERS MANUAL (EM)

- EM 385-1-1 (latest edition) U.S. Army Corps of Engineers Safety and Health Requirements Manual
- EM 200-1-1 (1994) Validation of Analytical Chemistry Laboratories
- EM 200-1-3 (2001) Requirements for the Preparation of Sampling and Analysis Plans
- EM 200-1-6 (1997) Chemical Quality Assurance

U.S. ARMY CORPS OF ENGINEERS ENGINEERING REGULATION (ER)

- ER 1110-1-263 (1998) Data Quality Management for Hazardous, Toxic, Radioactive Waste Remedial Activities

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (ADEC)

- 18 AAC 75 (2002) Oil and Other Hazardous Substances Pollution Control
- 18 AAC 60 (1999) Solid Waste Management
- 18 AAC 80 Drinking Water
- ADEC USTPM (1999) Underground Storage Tank Procedures Manual

ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (ADOT&PF)

- (Oct 1992) Contractor Guidance for Preparing and Executing Storm Water Pollution Prevention Plans

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

NIST HB 44 (1995) NIST Handbook 44: Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 3740 (1996) Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction

ASTM E 329 (1995b) Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction

CODE OF FEDERAL REGULATIONS (CFR)

40 CFR 61 National Emission Standards for Hazardous Air Pollutants

49 CFR 107 Hazardous Materials Program Procedures

49 CFR 172 Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements

49 CFR 173 Shippers - General Requirements for Shipments and Packagings

49 CFR 178 Specifications for Packagings

40 CFR 261 Identification and Listing of Hazardous Waste

40 CFR 262 Standards Applicable to Generators of Hazardous Waste

40 CFR 263 Standards Applicable to Transporters of Hazardous Waste

40 CFR 264 Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities

40 CFR 265 Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities

40 CFR 266 Standards for the Management of Specific Hazardous Wastes and Specific Types of Hazardous Waste Management Facilities

40 CFR 268 Land Disposal Restrictions

40 CFR 270 EPA Administered Permit Programs: The Hazardous Waste Permit Program

- 40 CFR 279 Standards for the Management of Used Oil
- 40 CFR 300 National Oil and Hazardous Substances Pollution Contingency Plan
- 40 CFR 302 Designation, Reportable Quantities, and Notification
- 40 CFR 761 Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions

ENVIRONMENTAL PROTECTION AGENCY (EPA)

- EPA 540/R 94-012 (1994) Contract Laboratory Program National Functional Guidelines for Inorganic Data Review
- EPA 540/R 94-013 (2001) Contract Laboratory Program National Functional Guidelines for Organic Data Review
- EPA SW-846 (Rev O; updates I, II, IIA, IIB, and III) Test Methods for Evaluating Solid Waste (Vol IA, IB, IC, and II)

U. S. ARMY ENVIRONMENTAL HYGIENE AGENCY (USAEHA)

- USAEHA-01 (1993) Sampling Protocol Building Demolition Debris and Buildings Painted with Lead-Based Paint

(May 2001) Department of Defense Quality Systems Manual for Environmental Laboratories, Draft Version 2

C.13.1.2 Order of Precedence

In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

ATTACHMENT 01 SCOPE OF WORK TABLES

TABLE CLIN0005 - WIRE AND CABLE REMOVAL ALONG TRAM

Item Title	Location	Item Description	Photos	Unit	Qty
Cable/Wire (Part of Group TR-2)	Along tramway between Lower Tram Building and Upper Tram Building	Tram Cables. Two separate lines of 1-1/4" inch dia steel cable. Approximately 8,800 feet.	D13-005, D13-006, D13-007, D13-008, D13-010	ton	18.5
Cable/Wire (Part of Group TR-2)	Along tramway between Lower Tram Building and Upper Tram Building	Tram Cables. Two separate lines of 1-1/4" inch dia steel cable. Approximately 8,800 feet.	D13-005, D13-006, D13-007, D13-008, D13-010	ton	18.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire. One 2-inch diameter line. Line is steel-wrapped and appears to be armored marine wire. Assume wire contains Lead, PCBs and ACM. Approximately 4,400 feet.	D13-008, D13-013, D13-015, D13-017, D13-018, D11-030	ton	14
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire. One 2-1/4 inch diameter line. Line is steel-wrapped and appears to be armored marine wire. Assume wire contains Lead, PCBs and ACM. Approximately 4,400 feet.	D13-008, D13-013, D13-015, D13-017, D13-018, D11-032	ton	14
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Support Cable for wire. One line of 1/2" inch dia steel cable. This cable is attached to steel wrapped marine wire above, and is attached to, and supported by line support towers. Some aboveground, and some droops down to lay atop ground surface. Approximately 4,400 feet.	D13-015, D13-017	ton	1.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Support Cable. One line of 1-1/4" inch dia steel cable. Approximately 4,400 feet.	D13-006, D13-013, D13-015, D13-017	ton	9.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire. Black. One 3/4 inch diameter line. 8 Indestructo P-106 BM. Approximately 4,400 feet.	D13-006, D13-013, D13-015, D13-017, D11-033	ton	1.5

Item Title	Location	Item Description	Photos	Unit	Qty
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire Bundle comprised of 3 wires plus 1 steel cable. This item is comprised of the entire set of 3 wires. Cable is separate below. Wire is black. 3 lines of 1" diameter line. This line lays atop ground surface. Approximately 13,200 feet.	D13-013, D13-015, D13-017, D11-031	ton	3.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Support Cable for wire. One line of 1/2" inch dia steel cable. This cable is attached to bundle of 3 lines under item above. This line lays atop ground surface. Approximately 4,400 feet.	D13-013, D13-015, D13-017, D11-031	ton	1.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire Bundle comprised of 3 wires plus 1 steel cable. This item is comprised of the entire set of 3 wires. Cable is separate below. Wire is black. 3 lines of 1" diameter line. This line lays atop ground surface. Approximately 13,200 feet.	D13-013, D13-015, D13-017, D11-031	ton	3.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Support Cable for wire. One line of 1/2" inch dia. steel cable. This cable is attached to bundle of 3 lines under item above. This line lays atop ground surface. Approximately 4,400 feet.	D13-013, D13-015, D13-017, D11-031	ton	1.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire Bundle comprised of 3 wires plus 1 steel cable. This items comprised of the set of 3 wires. Cable is separate below. Wire is black. 3 lines of 1" diameter line. This line lays atop ground surface. Approximately 13,200 feet.	D13-013, D13-015, D13-017, D11-031	ton	3.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Support Cable for wire. One line of 1/2" inch dia. steel cable. This cable is attached to bundle of 3 lines under item above. This line lays atop ground surface. Approximately 4,400 feet.	D13-013, D13-015, D13-017, D11-031	ton	1.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Cable. One line of 1-1/4" inch dia. steel cable. Approximately 4,400 feet.		ton	9.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Cable. One line of 1/2" inch dia. steel cable. Approximately 4,400 feet.		ton	1.5

Item Title	Location	Item Description	Photos	Unit	Qty
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire. Two lines of 1/2" black wire. Approximately 8,800 feet.		ton	0.5
Cable/Wire (Part of Group TR-1)	Along tramway between Lower Tram Building and Upper Tram Building	Wire. Four lines of approx. No. 14 black wire. Approximately 17,600 feet.		ton	0.5
Wire	Near Tram Tower #1	Coiled line comprised of 3-lines of 1" dia. black wire. Approximately 300 feet.		ton	0.5

TABLE CLIN0006 - TRAM AND WATERLINE REMOVAL

Item Title	Item Location	Item Description	Photos	Unit	Est.Qty
Tram Tower #1	See Sheets D-1, D-2, and D-6	Steel tower fabricated from angle and plate steel. Painted. Base of steel legs are anchored on concrete foundation pads. Tram cables run through shivs in mid and upper tower. This item consists of entire tower. Cable is not included in this item. Concrete foundation pads shall remain in place.	D13-005, D14-003, D14-017, D15-007, Lower Tram Final	ton	9
Tram Tower #2	See Sheets D-1, D-2, and D-6	Steel tower fabricated from angle and plate steel. Painted. Base of steel legs are anchored on concrete foundation pads. Tram cables run through shivs in mid and upper tower. This item consists of entire tower. Cable is not included in this item. Concrete foundation pads shall remain in place.	D13-007, D13-009, D13-010, D13-013, D13-019, D13-020, D13-021, D13-027, D14-004, Lower Tram Final	ton	9
Tram Tower #3	See Sheets D-1, D-2, and D-6	Steel tower fabricated from angle and plate steel. Painted. Base of steel legs are anchored on concrete foundation pads. Tram cables run through shivs in mid and upper tower. This item consists of entire tower. Cable is not included in this item. Concrete foundation pads shall remain in place.	D13-007, D13-008, D13-024, D14-004, D16-002, Lower Tram Final	ton	9
Tram Tower #4	See Sheets D-1, D-2, and D-6	Steel tower fabricated from angle and plate steel. Painted. Base of steel legs are anchored on concrete foundation pads. Tram cables run through shivs in mid and upper tower. This item consists of entire tower. Cable is not included in this item. Concrete foundation pads shall remain in place.	D13-008, D14-004, D14-018, D16-013, D16-022, D16-023, Lower Tram Final	ton	9
Tram Tower #5	See Sheets D-1, D-2, and D-6	Steel tower fabricated from angle and plate steel. Painted. Base of steel legs are anchored on concrete foundation pads. Tram cables run through shivs in mid and upper tower. This item consists of entire tower. Cable is not included in this item. Concrete foundation pads shall remain in place.	D14-018, D15-030, D16-013, D16-022, D16-023, D16-024 Lower Tram Final	ton	9
Tram Tower #6	See Sheets D-1, D-2, and D-6	Steel tower fabricated from angle and plate steel. Painted. Base of steel legs are anchored on concrete foundation pads. Tram cables run through shivs in mid and upper tower. This item consists of entire tower. Cable is not included in this item. Concrete foundation pads shall remain in place.	D14-018, D15-030, D16-013, D16-014, D16-021, D16-023, D16-024	ton	7

Item Title	Item Location	Item Description	Photos	Unit	Est.Qty
Tram Tower #7	See Sheets D-1, D-2, and D-6	Steel tower fabricated from angle and plate steel. Painted. Base of steel legs are anchored on concrete foundation pads. Tram cables run through shivs in mid and upper tower. This item consists of entire tower. Cable is not included in this item. Concrete foundation pads shall remain in place.	D16-013, D16-014	ton	5
Line Support Tower #1	See Sheets D-1, D-2, and D-6	Steel tower comprised of one tower post. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D14-003, D14-006, D15-007, Lower Tram Final	ton	2
Line Support Tower #2	See Sheets D-1, D-2, and D-6	Steel tower comprised of multiple tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D13-005, D14-003, D14-017, D15-007	ton	2
Line Support Tower #3	See Sheets D-1, D-2, and D-6	Steel tower comprised of multiple tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D13-005	ton	2
Line Support Tower #4	See Sheets D-1, D-2, and D-6	Steel tower comprised of 3 tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D13-009, D13-013, D13-020, D14-004	ton	2
Line Support Tower #5	See Sheets D-1, D-2, and D-6	Steel tower comprised of 3 tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D16-022, D13-024	ton	2
Line Support Tower #6	See Sheets D-1, D-2, and D-6	Steel tower comprised of multiple tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D13-008, D14-004, D14-018, D16-022, D16-023	ton	2
Line Support Tower #7	See Sheets D-1, D-2, and D-6	Steel tower comprised of multiple tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D14-004, D14-018, D16-022, D16-023	ton	2

Item Title	Item Location	Item Description	Photos	Unit	Est.Qty
Line Support Tower #8	See Sheets D-1, D-2, and D-6	Steel tower comprised of multiple tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D14-018, D16-022, D16-023	ton	2
Line Support Tower #9	See Sheets D-1, D-2, and D-6	Steel tower comprised of multiple tower posts. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D14-018, D16-022, D16-023	ton	2
Line Support Tower #10	See Sheets D-1, D-2, and D-6	Steel tower comprised of 1 post. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D16-013, D16-014	ton	2
Line Support Tower #11	See Sheets D-1, D-2, and D-6	Steel tower comprised of 1 post. Painted. Base of tower is anchored on concrete foundation pad. Some cables and wires are attached to the tower. This item consists of entire tower. Cable and wire are not included in this item. Concrete foundation pads shall remain in place.	D16-013, D16-014	ton	1
Water Line WL-1	See Sheet D-2	Water pipe. 2-inch diameter galvanized steel pipe (unpainted) with threaded coupling connecting approximately 21 foot pipe sections. Length of pipe is approximately 4,300 feet. Line includes section between Lower Tram Building and upper mountain, as well as section between Lower Tram Building and CMP collector pipe in stream east of Lower Tram Building. Upper end of pipe is not present at top of the mountain. Pipe is secured to concrete anchors intermittently up the mountainside. Entire water line is included in this item. Concrete anchors shall remain in place.	D13-014, D13-022, D13-023, D13-025, D13-026, D13-028, D4-017	ton	8
CMP Water Collector	Site 32; East of former Lower Tram Building in center of stream.	48" diameter CMP vertical water collector pipe set in stream. Pipe rises 7 feet above water level. Pipe extends below ground and laterally beneath existing stream. Inside pipe is a valve T-handle and a steel ladder. One electrical conduit with wire extends between CMP and Lower Tram Building. See EXHIBITS 07 AND 46.	D14-028, D15-001, D15-002, D15-003, D19-019	ton	1

TABLE CLIN0007 –DEBRIS REMOVAL, UPPER MOUNTAIN

Item Title	Item Location	Item Description	Photos	Unit	Qty
Gravel drums	Site 33. Adjacent to east side of former Upper Tram Building location.	Drums that contain gravel. These shall be handled as miscellaneous debris. Drums shall be emptied of gravel prior to packaging.	D12-001, D12-002, D12-003	ton	3
Debris Field #1	See Sheet D-2. North-facing slope north of upper mountain facilities. Area is defined as the area bounded by a line beginning at the north side of Building 221 Radome, extending along the north and east sides of the Cable Cart Enclosure, around the east and north sides of the Lower Tram Building, then northwest along the crest of the break in slope to a point 300 feet northwest perpendicular from the Tramway, then northeast to a point perpendicular from the Tramway at Tram Tower #5, then southeast to a point due east of the Water Tank, then due west to the Water Tank, then along the crest of the break in slope located just north of the Water Tank and Building 124 Upper Quarters, to the point of beginning.	Miscellaneous debris, including wood, metal, wire, transite siding, cement-asbestos board, insulation, etc. This item does not include Con-HTW, drums or concrete. The ratio by volume of wood versus other items (metal etc) is estimated at 70% wood: 30% other items. (Tram Towers shown in photographs are under a different pay item.) The grade of the slope was measured at approximately 85%. Rocks on slope are angular, loose, and range up to 3 feet across. Individual rocks are not stable. Special methods are expected to be required to remove this debris from the slope. Contractor shall propose method of removal.	D15-030, D15-031, D16-013, D16-014, Upper Tram Final, Upper Mtn near Final	tons	20
Debris Field #2	See Sheet D-2. Southerly facing slope located south of upper mountain facilities. Area is defined as the area bounded by a line beginning at URS Survey Point CP-7 1990 adjacent to the northwest end of the North Fork Trail, then northwest along the crest of the break in slope to the Former Transformer Building, then northwest along the south side of the Cable Cart Enclosure to the 90 degree corner, then northwest across the South Fork Trail to a point 100 feet beyond the South Fork Trail, then south, southeast, and east along a line 100 feet beyond the west and south edge of the South Fork Trail to a point 100 feet south of the Trail Wye, then north to the Trail Wye, then along the southwest edge of the North Fork Trail to the point of beginning.	Miscellaneous debris, including wood, metal, wire, transite siding, cement-asbestos board, insulation, etc. Includes two each electrical or communication control boxes (2' by 2' by 6' long). Includes former tank that has been cut in half. This item does not include Con-HTW, drums or concrete. The ratio by volume of wood versus other items (metal etc) is estimated at 70% wood: 30% other items. The grade of the south-facing slope was measured at approximately 20% directly south of Building 221 Radome. The grade of the slope west of the former Transformer Building is steeper than 20%. Rocks on slope are angular, and range generally up to approximately 1 foot across, with some larger than 1 foot across.	D16-007, D16-008, D16-009, D16-011, D16-005, Upper Tram Final, Upper Mtn near Final	tons	20

Item Title	Item Location	Item Description	Photos	Unit	Qty
Former Borrow Area Loading Ramp	North of former Lower Tram Building location, north of Cat Trail.	Former loading ramp structure has been bulldozed over with gravel (see photographs). Includes 50 sticks of Marsten Matting (each 1.5' wide by 10' long), ten 12" by 12" timbers, ten 4" by 12" timbers, miscellaneous wood debris.	D19-023, D19-024	ton	2

TABLE CLIN0008 –DEBRIS REMOVAL FROM GRAVEL PADS, ROADS, AND CARGO BEACH

Item Title	Item Location	Item Description	Photos	Unit	Qty
Welder Carcass	Near AFS Operations Area at debris staging area.	A large welder remains at the site. Fluids have already been removed and disposed.		Ton	1
Cargo Beach Debris	At Cargo Beach near the barge ramp.	This item consists of three piles of steel debris and a track loader carcass. Most of the steel debris is twisted Marston matting.	DSC00253, DSC00254, DSC00255	Ton	30
Cargo Beach Road Debris	Along Cargo Beach Road south of the subsistence camp.	This item consists of two piles of mixed wood and steel debris and vehicle carcasses.	DSC00251, DSC00252	Ton	5
Tank Scrap Metal	Near AFS Operations Area at debris staging area.	This item consists of scrap metal from tanks. Some of the metal is painted. Some paint contains PCBs and lead. Information about the tank scrap metal is shown in ATTACHMENT 14. Laboratory analytical data for indicated sample results in ATTACHMENT 14 are not available. Group 1 and Group 2 tanks (see ATTACHMENT 14) have already been emptied and cleaned. Group 3 tanks have not. Include cleaning and disposal removed material in the proposal. Remove and treat water that may exist in tanks from precipitation.	Tank Scrap 01 through Tank Scrap 10; Remaining Tank Steel.	Ton	280
Scrap Auto	Near AFS Operations Area at debris staging area.	This item consists of a scrap Chevrolet Blazer – style vehicle. Vehicle fluids have already been removed.	D3-019, Remaining Tank Steel	Ton	3
Diesel Engines	Near AFS Operations Area at debris staging area.	This item consists of 4 large Cummins engine/generators that were previously housed inside former Building 110 Power Plant. Dimensions of each are approximately 3.5 by 12 by 6 feet. The engines/generators have been staged at the debris staging area near the AFS Operations Area. Fluids have already been removed from these engines/generators.	D23-019, Remaining Tank Steel	Ton	36
Site 7	Debris located along the east side road embankment east of the Site 7 landfill.	This item consists of remaining debris located along the east side road embankment east of the Site 7 landfill area. Debris is reportedly not part of the landfill itself, and was apparently pushed off the edge of the road to its current location. Debris consists primarily of metal and wood.	D22-030, D22-031	Ton	50

TABLE CLIN0009 –DEBRIS REMOVAL, LOWER MOUNTAIN ON TUNDRA/MUSKEG

Item Title	Item Location	Item Description	Photos	Unit	Est.Qty
Thermo-Anchors	In tundra approximately 2,000 feet northwest of the AFS Operations Area.	This item consists of a group of six 2-inch diameter thermo-anchors. Anchors are painted. These anchors contain flammable liquid/gas and require special removal/handling. Each anchor has two 0.5-inch diameter galvanized cable guy wires attached. The lengths of the guy wires vary, but average approximately 50 feet. Include removal of the guy wires.	DSC00199	Ton	1
Tank Carcasses	Approximately 1,500 feet north of the AFS Operations Area on tundra/muskeg.	Two steel tanks remain. The tanks are empty and heavily rusted.	DSC00200	Ton	6
Pole Group A	Approximately 300 yards northwest of the northern end of the airstrip in tundra/muskeg area.	This item consists of a group of eight wooden poles, each approximately 12 to 15 feet high and averaging 12 inches in diameter at the bases. There are no guy or conducting wires associated with these poles.	DSC00230	Ton	3
Pole Group B	North of road to Sites 24/25 in tundra/muskeg area, approximately 1,000 feet west of AFS Operations Area.	This item consists of a group of three wooden poles, each approximately 8 feet long and 12 to 15 inches in diameter at the bases. Each pole has an aluminum box connected to a 1.5-inch diameter armored cable. This item consists of the poles and the boxes, not the cable. The cable is listed separately.	DSC00163, DSC00165	Ton	1
Pole Group C	Extending from the airstrip south to the AFS Operations Area.	The poles are approximately 20 feet long. The number and material of the poles is not known. Assume 50 2-inch diameter metal poles exist, spaced approximately 100 feet apart.		Ton	2
Pole Line 5	Extending northeast of Airport Road toward Cargo Beach across tundra/muskeg.	The remaining portion of Pole Line #5 is comprised of 6 wooden posts. Former poles have been cut off above the ground surface leaving a post 3 to 4 feet in height. The poles have been removed, but posts remain. Average post diameter is approximately 10 inches. Posts have creosote.	DSC00223, DSC00224	Ton	0.5

Item Title	Item Location	Item Description	Photos	Unit	Est.Qty
Pole Group D	Northeast of the road to Sites 24/25, due east of former Pole Group 7.	This item consists of four wooden poles, each approximately 60 feet long and 22 to 24 inches in diameter, lying on the ground. The poles have been cut off approximately 5 feet above the tundra, leaving a standing post. There does not appear to be guy or conductor wire associated with the poles.	DSC00270, DSC00271, DSC00272	Ton	10
Marston Matting	Lying on the tundra approximately 100 yards northwest of the northern end of the airstrip.	This item consists of an irregularly shaped mass of bent and twisted Marston matting, approximately 500 pieces.	DSC00227, DSC00228, DSC00229	Ton	15
Metallic Debris	What appears to be the exposed face of a landfill is located approximately 500 feet north of the AFS Operations Area.	This item consists of debris along the exposed landfill face that can be removed without excavating. Exposed metallic debris consists primarily of Marston matting, pipe, and cable. The exposed landfill face is over 300 feet long and 3 to 5 feet high.		Ton	100
Armored Cable/wire	Extending from the former Building 98 floor slab westerly approximately 1,000 feet.	One strand of 1.5-inch diameter armored cable/wire extends from each of three poles (poles are listed separately). This item consists of the cable/wire. The wire lies on or slightly below the tundra surface and is exposed where it crosses low areas. The estimated length of armored wire present is 3,000 feet (three strands at 1,000 feet per strand).	DSC00169, DSC00170, DSC00171	Ton	10
Armored Cable/wire	Extending from an electrical vault along the former Sewer Outfall Utilidor (Site 21) toward the northeast for approximately 1,000 feet.	Eight strands of 1.5-inch diameter armored cable/wire lies on the tundra surface, exposed for much of its length. The total length of armored cable/wire is 8,000 feet (8 strands at 1,000 feet per strand).	DSC00172	Ton	25
Armored Cable/wire	Along east and west sides of soil berm immediately west of the former Building 98 floor slab.	Tangled, damaged, kinked 1.5-inch diameter armored cable/wire.	DSC00246, DSC00247, DSC00250	Ton	1.5
Antennae	Approximately 1300 feet SE of Site 24	Steel Antennae structure laying on the ground. Structure is triangular cross section, each side 2 feet long. Structure is 60 feet long. Structure is comprised of angle steel lattice. Galvanized steel, unpainted.		Ton	1
Antennae	Approximately 600 feet SE of Site 24	Steel Antennae structure laying on the ground. Structure is triangular cross section, each side 2 feet long. Structure is 60 feet long. Structure is comprised of angle steel lattice. Galvanized steel, unpainted.		Ton	1

Item Title	Item Location	Item Description	Photos	Unit	Est.Qty
Concrete Utilidor Foundation Pedestals	West of AFS Operations Area gravel pad, between Perimeter Road and former wastewater treatment facility, along former Outfall Sewer Utilidor alignment between Manhole 1-S and Manhole 2-S.	Concrete foundation pedestals. The pedestals are approximately 20-inches by 20-inches by 1 foot high. Remove the pedestals and place them in a depression at the AFS Operations Area. Cover them with soil.		Ton	1

TABLE CLIN0010– MITIGATE PCB-CONTAMINATED CONCRETE

Item Title	Location	Item Description	Photo
CTP 13-1	Site 13. Former AFS Operations Area. Building 110. Pad is located at West end of former Building 110.	Concrete Transformer Pad. Pad dimensions are reported to be 10 feet by 20 feet. Assume the pad is 12-inch thick steel-reinforced concrete. Transformers were removed previously. This pad was sampled for PCBs previously. Sample results ranged from 0.213 ppm to 293 ppm Arochlor 1260. Five of 15 samples exceeded 25 ppm PCB. Additional documentation of sampling is not available. For proposal purposes, assume that the upper 6 inches of concrete over the entire pad exceeds 1 mg/kg.	
CTP 13-2	Site 13. Former AFS Operations Area. Building 110.	Concrete Transformer Pad. Pad is located at North end of former Building 110. Pad dimensions are reported to be 5 feet by 10 feet. Assume the pad is 12-inch thick steel-reinforced concrete. Transformers were removed previously. This pad was sampled for PCBs previously. Sample results were 1.05 ppm, 6.16 ppm, and 32.0 ppm of Arochlor 1260. Additional documentation of sampling is not available. For proposal purposes, assume the upper 3 inches of concrete over the entire pad exceeds 1 mg/kg.	
CTP 13-3	Site 13. Former AFS Operations Area. Building 110.	Concrete Transformer Pad. Pad is located at south end of former Building 110. Pad dimensions are reported to be 5 feet by 10 feet. Assume the pad is 12-inch thick steel-reinforced concrete. Transformers were removed previously. Assume this pad is integral to the Building 110 foundation, and will therefore require cutting if removed. This pad was sampled for PCBs previously. Sample results were 0.0632 ppm, 0.130 ppm, and 28.1 ppm of Arochlor 1260. Additional documentation of sampling is not available. For proposal purposes, assume the upper 3 inches of concrete over the entire pad exceeds 1 mg/kg.	

Item Title	Location	Item Description	Photo
Site 31 Rooms A & G	Site 31. Former Building 1001 MEC. Former rooms A and G.	Concrete floor slab. See drawings. Room areas encompass 1220 square feet. PCB sample concentrations at 0.5-inches below concrete surface ranged from 1 to 2.34 mg/kg. Additional documentation of sampling is not available. For proposal purposes, assume the upper 1 inch of concrete over the entire Room A and G area exceeds 1 mg/kg.	

ATTACHMENT 02 – DESCRIPTIONS OF PHOTOGRAPHS

Title	Date	From Location	Direction of View	Description / Subject
Folder 01				
D1-002	15-Jul-01	airstrip apron	SSE	AFS Operations Area and Site 31
D1-003	15-Jul-01	airstrip apron	SSE	Site 31 and Site 32
D1-004	15-Jul-01	airstrip apron	SSE	AFS Operations Area and Site 31
D1-006	15-Jul-01	airstrip apron	SE	general
D1-007	15-Jul-01	airstrip apron	S	AFS Operations Area and general
D1-008	16-Jul-01	N end of Cargo Beach Road	E	barge landing area at Cargo Beach
D1-009	16-Jul-01	N end of Cargo Beach Road	E	barge landing area at Cargo Beach
D1-010	16-Jul-01	N end of Cargo Beach Road	ENE	barge landing area at Cargo Beach
D1-011	16-Jul-01	N end of Cargo Beach Road	SSW	beach north of seasonal subsistence camp
D1-012	16-Jul-01	N end of Cargo Beach Road	E	barge landing area at Cargo Beach
D1-013	16-Jul-01	N end of Cargo Beach Road	E	trail to container staging area adjacent to beach
D1-014	16-Jul-01	N end of Cargo Beach Road	SSW	Cargo Beach Road through seasonal subsistence camp
D1-018	16-Jul-01	Cargo Beach Road	SW	Cargo Beach Road
D1-019	16-Jul-01	Cargo Beach Road	SW	Cargo Beach Road, Site 7
D1-020	16-Jul-01	Cargo Beach Road	down	roadbed, Cargo Beach Road
D1-021	16-Jul-01	Road	SW	East end of AFS Operations Area
D1-022	16-Jul-01	Site 10	down	former test pit at Site 10
D1-023	16-Jul-01	Site 10	NW	general
D1-024	16-Jul-01	Site 10	W	Buildings 108 and 109, and former location of fuel storage tanks
D1-025	16-Jul-01	Site 10	NW	general
D1-026	16-Jul-01	Site 10	N	Site 10; location of scale under prior contract

Title	Date	From Location	Direction of View	Description / Subject
D1-027	16-Jul-01	road	W	East end of AFS Operations Area; Buildings 108 and 109
D1-028	16-Jul-01	road	SW	East end of AFS Operations Area
D1-029	16-Jul-01	road	SSE	Site 31
D1-031	16-Jul-01	cat trail NW of Site 31	SE	Site 31, WAC antennas, feeder horns, Bldg 1001 MEC (note photo is tilted)
D1-032	16-Jul-01	cat trail NW of Site 31	SE	Site 31, WAC antennas, feeder horns, Bldg 1001 MEC (note photo is tilted)
Folder 02				
D2-002	16-Jul-01	Road E of Building 113	S	Borrow area, former staging area
D2-003	16-Jul-01	Road E of Building 113	SW	former staging area, corner of Building 113
D2-004	16-Jul-01	Road E of Building 113	SW	former staging area
D2-008	16-Jul-01	Perimeter Road, S side of AFS Operations Area	SW	foundation of steel antenna and guy wire
D2-009	16-Jul-01	Perimeter Road, S side of AFS Operations Area	SW	foundation of collapsed steel antenna
Folder 03				
D3-007	16-Jul-01	Site 31, S side of Bldg 1001 MEC	SW	Room G exterior, AST 31-6
D3-016	16-Jul-01	NW of ASTs 31-7 and 31-8	NW	debris, stream, AFS Operations Area
D3-019	16-Jul-01	Inside Site 31 WAC Site Garage	SE	vehicle
D3-025	16-Jul-01	SE of Site 31 on cat trail	NNW	Site 31, AFS Operations Area, cat trail
D3-026	16-Jul-01	SE of Site 31 on cat trail	NNW	Site 31
D3-027	16-Jul-01	cat trail NE of Site 32	NE	former "ammo storage" location
Folder 04				
D4-001	16-Jul-01	Site 32	SW	tram, NW side of Lower Tram Bldg
D4-010	16-Jul-01	Site 32, inside Lower Tram Building, SW end	SW	tram up mountain

Title	Date	From Location	Direction of View	Description / Subject
D4-015	16-Jul-01	Site 32, S of Lower Tram Bldg	N	Lower Tram Bldg
D4-016	16-Jul-01	Site 32	SW	Look up tram route
D4-017	16-Jul-01	Site 32, S of Lower Tram Bldg	SE	water line
D4-027	16-Jul-01	Perimeter Road, W side of AFS Operations Area	W	route of buried "Outfall Sewer" utilidor from Perimeter Road to Site 21
D4-028	16-Jul-01	Perimeter Road, W side of AFS Operations Area	W	Site 21
Folder 05				
D5-007	16-Jul-01	North side former Bldg 98	NW	Site 21
D5-008	16-Jul-01	North side former Bldg 98	NW	Site 21, "Outfall Sewer" utilidor E of Site 21
D5-021	16-Jul-01	near W end of Airport Road, just east of airstrip	SE	Bridge at Stream Crossing #5
D5-022	16-Jul-01	N of Stream Crossing #5	S	Bridge at Stream Crossing #5
D5-023	16-Jul-01	N of Stream Crossing #5	S	Bridge at Stream Crossing #5
D5-024	16-Jul-01	N of Stream Crossing #5	S	Bridge at Stream Crossing #5
D5-025	16-Jul-01	W of Stream Crossing #5	E	Bridge at Stream Crossing #5
Folder 06				
Folder 07				
D7-003	17-Jul-01	N or Perimeter Road N of AFS Operations Area	SE	look up valley with cat trail leading up to Sites 33 and 34
D7-014	17-Jul-01	gravel apron E side of airstrip	W	portion of airstrip
D7-018	17-Jul-01	gravel apron E side of airstrip	E	Stream Crossing #5
D7-021	17-Jul-01	gravel apron E side of airstrip	S	zoom view of Site 34 on top of mountain
D7-022	17-Jul-01	gravel apron E side of airstrip	S	view of Site 34 on top of mountain, general
D7-023	17-Jul-01	gravel apron E side of airstrip	S	general

Title	Date	From Location	Direction of View	Description / Subject
D7-025	17-Jul-01	gravel apron E side of airstrip	SSE	zoom view looking up valley with cat trail to top of mountain
D7-026	17-Jul-01	gravel apron E side of airstrip	SSE	zoom view looking up valley with cat trail to top of mountain
D7-027	17-Jul-01	gravel apron E side of airstrip	SSE	general
D7-028	17-Jul-01	gravel apron E side of airstrip	S	zoom view of Site 34 on top of mountain
D7-029	17-Jul-01	gravel apron E side of airstrip	S	zoom view of Site 34 on top of mountain
D7-030	17-Jul-01	gravel apron E side of airstrip	S	general
D7-031	17-Jul-01	gravel apron E side of airstrip	SSE	zoom view looking up valley with cat trail to top of mountain
D7-032	17-Jul-01	gravel apron E side of airstrip	SSE	zoom view looking up valley with cat trail to top of mountain
D7-033	17-Jul-01	gravel apron E side of airstrip	SSE	general
Folder 08				
D8-001	17-Jul-01	gravel apron E side of airstrip	SSE	general
D8-002	17-Jul-01	gravel apron E side of airstrip	SSE	general
D8-003	17-Jul-01	gravel apron E side of airstrip	SSE	Site 31, Site 32, Stream Crossing #1, cat trail up valley
D8-004	17-Jul-01	gravel apron E side of airstrip	SSE	cat trail up valley toward top of mountain
D8-005	17-Jul-01	gravel apron E side of airstrip	SSE	Site 32, tram
D8-006	17-Jul-01	gravel apron E side of airstrip	S	zoom view of Site 34 on top of mountain
D8-007	17-Jul-01	gravel apron E side of airstrip	SSE	general
D8-008	17-Jul-01	gravel apron E side of airstrip	SW	general

Title	Date	From Location	Direction of View	Description / Subject
D8-010	17-Jul-01	Wye intersection of Airport Road and Cargo Beach Road	SSW	zoom view of Site 33 and Site 34, tram
D8-011	17-Jul-01	Wye intersection of Airport Road and Cargo Beach Road	SSW	zoom view of Site 33 and Site 34, tram
D8-012	17-Jul-01	Wye intersection of Airport Road and Cargo Beach Road	S	Site 31, Site 32, Site 33, Site 34, tram
D8-013	17-Jul-01	Wye intersection of Airport Road and Cargo Beach Road	SW	AFS Operations Area, Site 31, Site 33, Site 34, borrow area
D8-014	17-Jul-01	Wye intersection of Airport Road and Cargo Beach Road	SW	AFS Operations Area, general
D8-015	17-Jul-01	Wye intersection of Airport Road and Cargo Beach Road	W	general, pole lines
D8-016	17-Jul-01	Wye intersection of Airport Road and Cargo Beach Road	NW	general, Site 2, Airport Terminal Building
D8-017	17-Jul-01	S of AFS Operations Area	S	borrow area
D8-018	17-Jul-01	S of AFS Operations Area	S	borrow area
D8-022	17-Jul-01	S of AFS Operations Area, trail to Site 24	W	general, trail to Site 24
D8-023	17-Jul-01	S of AFS Operations Area, trail to Site 24	NW	general, steel antenna, corner of former Bldg 98
D8-026	17-Jul-01	S of AFS Operations Area, trail to Site 24	NW	zoom view of Site 24 Receiver Building, poles and pole lines
Folder 09				
D9-002	17-Jul-01	SE of AFS Operations Area	NE	general
D9-003	17-Jul-01	SE of AFS Operations Area	NE	general
D9-004	17-Jul-01	SE of AFS Operations Area	N	Cargo Beach Road, Airport Road
D9-008	17-Jul-01	airstrip	N	poles

Title	Date	From Location	Direction of View	Description / Subject
D9-009	17-Jul-01	inside aircraft		
D9-010	17-Jul-01	inside aircraft, W of Site 33 and Site 34	E (approx)	view of top of mountain
D9-011	17-Jul-01	inside aircraft, SW of Site 33 and Site 34	NE	view of top of mountain, Site 33, Site 34
D9-012	17-Jul-01	inside aircraft, SW of Site 33 and Site 34	NE	view of top of mountain, Site 33, Site 34
D9-013	17-Jul-01	inside aircraft, SE of Site 33 and Site 34	NW	view of top of mountain, Site 34
D9-014	17-Jul-01	inside aircraft, SE of Site 33 and Site 34	S (approx)	general
D9-015	17-Jul-01	inside aircraft, SE of Site 33 and Site 34	S (approx)	general
D9-016	17-Jul-01	inside aircraft, SE of Site 33 and Site 34	S (approx)	general
D9-017	17-Jul-01	inside aircraft, SE of Site 33 and Site 34	S (approx)	general
Folder 10				
D10-015	18-Aug-01	Site 25	NW	Site 25, concrete foundation, debris
D10-026	18-Aug-01	along trail between Site 24 and Site 25	NE	cut-off pole adjacent to NE side of trail between Site 24 and Site 25
Folder 11				
D11-002	18-Aug-01	trail SE of Site 24	SW	thermo-anchor
D11-004	18-Aug-01	trail W of AFS Operations Area		thermo-anchors, poles
D11-029	19-Aug-01	Site 33, N of Upper Tram Building, along line of "Line Support Towers" NW of tram cables	SE	cable and wire to Upper Tram Building

Title	Date	From Location	Direction of View	Description / Subject
D11-030	19-Aug-01	Site 33, N of Upper Tram Building, along line of "Line Support Towers" NW of tram cables	down	armored marine wire
D11-031	19-Aug-01	Site 33, N of Upper Tram Building, along line of "Line Support Towers" NW of tram cables	down	wire and support cable
D11-032	19-Aug-01	Site 33, N of Upper Tram Building, along line of "Line Support Towers" NW of tram cables	SE	armored marine wire
D11-033	19-Aug-01	Site 33, N of Upper Tram Building, along line of "Line Support Towers" NW of tram cables	SE	wire
Folder 12				
D12-001	19-Aug-01	Site 33, inside SE portion of Upper Tram Building	SE	gravel-filled drums adjacent to Upper Tram Building
D12-002	19-Aug-01	Site 33, inside SE portion of Upper Tram Building	SE	gravel-filled drums adjacent to Upper Tram Building
D12-003	19-Aug-01	Site 33, inside SE portion of Upper Tram Building	SE	gravel-filled drums adjacent to Upper Tram Building
D12-004	19-Aug-01	Site 33, inside NW portion of Upper Tram Building looking out doorway	NE	electrical conduit
Folder 13				
D13-005	20-Aug-01	Tram Tower #2	NE	tram, Site 32
D13-006	20-Aug-01	Tram Tower #2	NNE	tram cables, wire, Site 31, general
D13-007	20-Aug-01	Tram Tower #2	SW	tram extending up the mountain

Title	Date	From Location	Direction of View	Description / Subject
D13-008	20-Aug-01	Tram Tower #2	SW	zoom view of tram extending up the mountain, Tram Tower #3, Tram Tower #4
D13-009	20-Aug-01	SE of Tram Tower #2	NW	Tram Tower #2 and foundation
D13-010	20-Aug-01	cat trail extending up to Tram Tower #2	up and NW	Tram Tower #2
D13-011	20-Aug-01	Tram Tower #2	SE	cat trail extending up to Tram Tower #2
D13-012	20-Aug-01	Tram Tower #2	E (approx)	cat trail extending up to Tram Tower #2
D13-013	20-Aug-01	NE of Tram Tower #2	SW	Tram Tower #2 and foundation, Line Support Tower #4
D13-014	20-Aug-01	E of Tram Tower #2	E (approx)	water line, water line foundation anchor
D13-015	20-Aug-01	Tram Tower #2	NW	cable and wire
D13-016	20-Aug-01	Tram Tower #2	NW	cable and wire, wire splice
D13-017	20-Aug-01	Tram Tower #2	NE	tram, Site 32, cable, wire
D13-018	20-Aug-01	Tram Tower #2	down	armored marine wire
D13-019	20-Aug-01	Tram Tower #2		foundation of Tram Tower #2
D13-020	20-Aug-01	S of Tram Tower #2	N	foundation of Tram Tower #2, Line Support Tower #4
D13-021	20-Aug-01	S of Tram Tower #2	up and NE	Tram Tower #2
D13-022	20-Aug-01	E of Tram Tower #2, at water line	SW	water line extending up the mountain
D13-023	20-Aug-01	E of Tram Tower #2, at water line	SW	water line extending up the mountain
D13-024	20-Aug-01	E of Tram Tower #2, at water line	SW	zoom view of Tram Tower #3
D13-025	20-Aug-01	E of Tram Tower #2, at water line	NE	water line extending down the mountain
D13-026	20-Aug-01	E of Tram Tower #2, at water line		water line foundation anchor

Title	Date	From Location	Direction of View	Description / Subject
D13-027	20-Aug-01	E of Tram Tower #2, at water line	W (approx)	Tram Tower #2
D13-028	20-Aug-01	E of Tram Tower #2, at water line	down	water line coupling
D13-029	20-Aug-01	Trail Pt. A	E (approx)	cat trail to Tram Tower #2 at Trail Pt. A
Folder 14				
D14-003	20-Aug-01	Site 32	SW	tram up mountain
D14-004	20-Aug-01	Site 32	SW	tram up mountain
D14-017	20-Aug-01	Site 32, just SW of Lower Tram Building	SW	tram
D14-018	20-Aug-01	Site 32, just SW of Lower Tram Building	SW	zoom view of tram, Upper Tram Building, debris
D14-028	20-Aug-01	Site 32, E of Lower Tram Building along SW side of stream	SE	CMP water collector pipe in stream
Folder 15				
D15-001	20-Aug-01	Site 32 at CMP water collector pipe	down	look down inside CMP, ladder
D15-002	20-Aug-01	Site 32 at CMP water collector pipe	down	look down inside CMP, valve key
D15-003	20-Aug-01	Site 32, E of Lower Tram Building along stream	SE	CMP water collector pipe in stream
D15-004	20-Aug-01	Site 32 NE of Lower Tram Bldg	N	well, Stream Crossing #4
D15-005	20-Aug-01	Site 32 NE of Lower Tram Bldg	N	well, Stream Crossing #4
D15-006	20-Aug-01	Site 32 NE of Lower Tram Bldg	SW	well, Lower Tram Building
D15-007	20-Aug-01	Site 32	SW	tram

Title	Date	From Location	Direction of View	Description / Subject
D15-029	21-Aug-01	Site 34, N of Bldg 124 at top crest of slope	downslope NW	debris on steep slope, Debris Field #1
D15-030	21-Aug-01	Site 34, N of Bldg 124 at top crest of slope	downslope NW	debris on steep slope, Debris Field #1, tram
D15-031	21-Aug-01	Site 34, N of Bldg 124 at top crest of slope	downslope NW	debris on steep slope, Debris Field #1
Folder 16				
D16-004	21-Aug-01	Site 34, SE of septic tank	W	septic outfall pipe
D16-005	21-Aug-01	Slope S of Site 34 Bldg 124		electrical/communication control cabinet
D16-006	21-Aug-01	Debris Field #2 SW of cable cart enclosure	NW	Debris Field #2, skid sheds
D16-007	21-Aug-01	Debris Field #2 SW of Bldg 221 Radome	NE	Debris Field #2, Bldg 221 Radome, transformer building
D16-008	21-Aug-01	Site 34	S (approx)	Debris Field #2
D16-009	21-Aug-01	Site 34	S (approx)	Debris Field #2
D16-011	21-Aug-01	Upper Mtn. Southeast Fork Trail S of Site 34	SW	former tank that has been cut-off in half lengthwise
D16-013	21-Aug-01	Site 33, outside NW corner of Upper Tram Bldg	NE	tram extending down the mountain, wire and cables, debris
D16-014	21-Aug-01	Site 33, inside NE end of Upper Tram Bldg	NE	tram extending down the mountain, wire and cables, debris
D16-020	21-Aug-01	Site 34, SE of Bldg 124	SE	look down at cat trail between Trial Pt. #2 and Trail Pt. #3 in distance
D16-021	21-Aug-01	Site 34, N of Bldg 124 at top crest of slope	NW	Debris Field #1, tram
D16-022	21-Aug-01	Site 34, approx 20 feet N of Bldg 124 at top crest of slope	N	Debris Field #1, tram, Site 32, Site 31, AFS Operations Area

Title	Date	From Location	Direction of View	Description / Subject
D16-023	21-Aug-01	Site 34, approx 20 feet N of Bldg 124 at top crest of slope	NNW	Debris Field #1, tram, Site 31, AFS Operations Area
D16-024	21-Aug-01	Site 34, approx 20 feet N of Bldg 124 at top crest of slope	NW	Debris Field #1, tram
D16-025	21-Aug-01	Site 34, approx 20 feet N of Bldg 124 at top crest of slope	N (approx)	Site 32, Site 31, AFS Operations Area, general, Cargo Beach Road, Airport Road
D16-026	21-Aug-01	Trail Pt. #2	NW	cat trail between Trail Pt. #2 and Site 34, top of large water tank, top of Bldg 221 Radome
D16-027	21-Aug-01	on cat trail between Trial Pt. #2 and Trail Pt. #3	SE	cat trail, looking toward Trail Pt. #3
D16-028	21-Aug-01	on cat trail between Trial Pt. #2 and Trail Pt. #3	E (approx)	cat trail, shows length of trail between Trail Pt. #3 and Trail Pt. #5 (across near snow patch)
D16-029	21-Aug-01	on slope NE of cat trail NNW of Trail Pt. #3	ENE	cat trail, shows length of trail between Trail Pt. #4 and Trail Pt. #14, switchbacks
D16-030	21-Aug-01	on slope NE of cat trail NNW of Trail Pt. #3	ENE	cat trail, shows length of trail between Trail Pt. #4 and Trail Pt. #14, switchbacks
Folder 17				
D17-001	21-Aug-01	on slope NE of cat trail NNW of Trail Pt. #3	ENE	cat trail, shows length of trail between Trail Pt. #4 and Trail Pt. #14, switchbacks, shows washout down approximate centerline of valley
D17-002	21-Aug-01	on slope NE of cat trail NNW of Trail Pt. #3	NE	cat trail, shows length of trail between Trail Pt. #5 and Trail Pt. #8, and between Trail Pt. #10 and Trail Pt. #15, and between Trail Pt. #16 and Trail Pt. #17; switchbacks, shows washout down approximate centerline of valley

Title	Date	From Location	Direction of View	Description / Subject
D17-003	21-Aug-01	on slope NE of cat trail NNW of Trail Pt. #3	NE	cat trail, shows length of trail between Trail Pt. #16 and Trail Pt. #17, and between Trail Pt. #24 and Trail Pt. #27
D17-004	21-Aug-01	Trail Pt. #4	NE	cat trail, shows length of trail between Trail Pt. #4 and Trail Pt. #5
D17-005	21-Aug-01	Trail Pt. #5	NE	cat trail, shows length of trail between Trail Pt. #5 and Trail Pt. #6, switchback turn, runout
D17-006	21-Aug-01	Trail Pt. #6, on runout	W	cat trail, shows length of trail between Trail Pt. #5 and Trail Pt. #7, switchback turn, runout
D17-007	21-Aug-01	Trail Pt. #9, W end of runout	E	cat trail, shows length of trail between Trail Pt. #8 and Trail Pt. #10, switchback turn, runout, trail washout at switchback
D17-008	21-Aug-01	Trail Pt. #10	ENE	cat trail, shows length of trail between Trail Pt. #10 and Trail Pt. #11
D17-009	21-Aug-01	Trail Pt. #12	NE	cat trail, shows length of trail between Trail Pt. #12 and Trail Pt. #13, switchback turn, runout
D17-010	21-Aug-01	Trail Pt. #13, E end of runout	W	cat trail, shows length of trail between Trail Pt. #12 and Trail Pt. #14, switchback turn, runout
D17-011	21-Aug-01	Trail Pt. #14	W	cat trail, shows length of trail between Trail Pt. #14 and Trail Pt. #16, turn, trail washout at turn
D17-012	21-Aug-01	Trail Pt. #14	WNW	cat trail, shows length of trail between Trail Pt. #15 and just past Trail Pt. #16, trail washout
D17-013	21-Aug-01	on turn between Trail Pt. #15 and Trail Pt. #16	NE	cat trail, shows length of trail between Trail Pt. #15 and Trail Pt. #17, looking down fall-line of trail washout
D17-014	21-Aug-01	on slope W of turn between Trail Pt. #15 and Trail Pt. #16	NE	cat trail, shows length of trail between Trail Pt. #15 and just past Trail Pt. #16, trail washout

Title	Date	From Location	Direction of View	Description / Subject
D17-015	21-Aug-01	Trail Pt. #15	NNE	cat trail, shows length of trail between Trail Pt. #15 and Trail Pt. #17, trail washout
D17-016	21-Aug-01	Trail Pt. #17	SSW	cat trail, shows length of trail upslope of Trail Pt. #17, trail washout
Folder 18				
Folder 19				
D19-001	23-Aug-01	NE of Stream Crossing #2, Trail Pt. #26	SW	Stream Crossing #2, cat trail
D19-002	23-Aug-01	E of Stream Crossing #2, Trail Pt. #26	W	Stream Crossing #2, cat trail
D19-003	23-Aug-01	S of Stream Crossing #2, Trail Pt. #26	N	Stream Crossing #2, cat trail, shows length of trail between Trail Pt. #26 and Trail Pt. #27
D19-004	23-Aug-01	Stream Crossing #2, Trail Pt. #26	SE	Stream Crossing #2, stream flow begins at cat trail crossing
D19-005	23-Aug-01	SW of Stream Crossing #2	NE	Stream Crossing #2, cat trail
D19-006	23-Aug-01	on cat trail SW of Stream Crossing #2	NE	Stream Crossing #2, cat trail at Trail Pt. #26
D19-007	23-Aug-01	SE of Stream Crossing #2, Trail Pt. #26	NNW	Stream Crossing #2, cat trail at Trail Pt. #26, stream flow begins at cat trail crossing
D19-008	23-Aug-01	SE of Stream Crossing #2, Trail Pt. #26	NNW	Stream Crossing #2, cat trail at Trail Pt. #26, stream flow begins at cat trail crossing
D19-009	23-Aug-01	SE of Stream Crossing #2, Trail Pt. #26	NNW	Stream Crossing #2, cat trail at Trail Pt. #26, stream flow begins at cat trail crossing
D19-010	23-Aug-01	SE of Stream Crossing #2, Trail Pt. #26	SW	cat trail, shows length of trail between Trail Pt. #26 and Trail Pt. #22
D19-011	23-Aug-01	SE of Stream Crossing #2, Trail Pt. #26	SW	cat trail, shows length of trail between Trail Pt. #26 and Trail Pt. #22

Title	Date	From Location	Direction of View	Description / Subject
D19-012	23-Aug-01	SE of Stream Crossing #2, Trail Pt. #26	SW	zoom view of cat trail, shows length of trail between Trail Pt. #25 and Trail Pt. #23
D19-013	23-Aug-01	SE of Stream Crossing #2, Trail Pt. #26	SW	zoom view of Trail Pt. #17, trail washout at Trail Pt. #17
D19-014	23-Aug-01	on cat trail between Trail Pt. #26 and Trail Pt. #27	N	cat trail, shows length of trail in vicinity of Trail Pt. #27
D19-015	23-Aug-01	on cat trail SE of Trail Pt. #29	NW	cat trail, shows length of trail in vicinity of Trail Pt. #29
D19-016	23-Aug-01	on cat trail SE of Trail Pt. #29	NW	Site 32
D19-017	23-Aug-01	on cat trail SE of Trail Pt. #29	NW	Site 32
D19-018	23-Aug-01	on cat trail SE of Site 32	NW	Stream Crossing #4
D19-019	23-Aug-01	on cat trail SE of Site 32	SW	CMP water collector pipe in stream
D19-020	23-Aug-01	Site 32, SW of Lower Tram Building	NE	Lower Tram Building, stream SW of Lower Tram Building
D19-021	23-Aug-01	Site 32, SW of Lower Tram Building	NE	Stream Crossing #3, tram, transformer building
D19-022	23-Aug-01	Site 32, near to S corner of transformer Bldg	SW	Stream Crossing #3
D19-023	23-Aug-01	Trail Pt. #30	N	Former borrow area loading ramp
D19-024	23-Aug-01	Trail Pt. #30	N	Former borrow area loading ramp
D19-025	23-Aug-01	E side of stream, W of Trail Pt. #31	S	stream looking up-drainage
D19-026	23-Aug-01	E side of stream, W of Trail Pt. #31	N	stream looking down-drainage, Site 31
D19-027	23-Aug-01	Site 6 (NE of Site 7)	NW	Site 6
D19-028	23-Aug-01	Site 6 (NE of Site 7)	SW	Site 7
D19-029	23-Aug-01	Site 6 (NE of Site 7)	SW	Site 7, general
D19-030	23-Aug-01	N end of Cargo Beach Road	SE	barge landing area at Cargo Beach

Title	Date	From Location	Direction of View	Description / Subject
D19-031	23-Aug-01	N end of Cargo Beach Road	NW	beach
Folder 20				
D20-006	24-Aug-01	NW of Stream Crossing #1	SE	Stream Crossing #1
D20-007	24-Aug-01	NW of Stream Crossing #1	SE	Stream Crossing #1
D20-008	24-Aug-01	SE of Stream Crossing #1	NW	Stream Crossing #1
D20-009	24-Aug-01	SE of Stream Crossing #1	NW	Stream Crossing #1
D20-010	24-Aug-01	Stream Crossing #1	NW	Stream Crossing #1
D20-014	24-Aug-01	cat trail between Site 31 and Stream Crossing #1	SW	stream, end of armored marine wire at post shown
Folder 21				
D21-012	24-Aug-01	Site 31, N of feeder horn duct leading to Feeder Horn #4	NW	septic utilidor, septic tank, septic outfall
D21-013	24-Aug-01	SW of AFS Operations Area	NNE	W end of former Bldg 98, collapsed steel antenna in Steel Antenna Group #12
D21-014	24-Aug-01	SW of AFS Operations Area	NNE	W end of former Bldg 98, collapsed steel antenna in Steel Antenna Group #12
D21-017	24-Aug-01	Borrow Area	NW	borrow material, chute
D21-018	24-Aug-01	Borrow Area	W	borrow material
D21-019	24-Aug-01	Borrow Area	W	borrow material
D21-020	24-Aug-01	Borrow Area	W	borrow material
Folder 22				
D22-022	12-Oct-01	beach at Barge Landing Area	WSW	beach, connex shipping containers, pile of fill for barge ramp
D22-024	12-Oct-01	beach at Barge Landing Area	N	Kitnagak Bay
D22-025	12-Oct-01	beach at Barge Landing Area	N	zoom of barge
D22-027	12-Oct-01	staging area near Barge Landing Area	W	

Title	Date	From Location	Direction of View	Description / Subject
D22-028	12-Oct-01	Cargo Beach Road near summer subsistence camp	SW	debris piles
D22-029	12-Oct-01	Cargo Beach Road S of summer subsistence camp	NE	
D22-030	12-Oct-01	Site 7, E of Cargo Beach Road	E	debris E of road at Site 7
D22-031	12-Oct-01	Site 7, E of Cargo Beach Road	NE	debris E of road at Site 7
Folder 23				
July 30-08	30-Jul-01	E of Cargo Beach Road, S of Site 3	NNE	Building 119
NECape Barge 06	10-Aug-01	N end of Cargo Beach Road	SE	beach, barge
NECape Barge 07	10-Aug-01	SE of Barge Landing Area	NW	barge landing area at Cargo Beach
NECape Barge 08	10-Aug-01	SE of Barge Landing Area	NW	barge landing area at Cargo Beach
NECape Barge 09	10-Aug-01	N end of Cargo Beach Road	SE	beach, barge
D23-019	2001	Inside former Building 110		Large Cummins generator engines
Folder 24				
0006 Hercules Arrival		Airstrip		Herc access to airstrip
0006 Hercules Taxi		Airstrip		Herc access to airstrip
0306 ATV in Fog		Cat Trail to upper mountain		Cat Trail to upper mountain

Title	Date	From Location	Direction of View	Description / Subject
0306 Dozer on Mtn in Fog		Cat Trail to upper mountain		2003 work on cat trail to upper mountain
Folder 25				
AFS Ops Final	2003	Perimeter Road SE of AFS Operations Area	NW	Condition of former AFS Operations Area at close of 2003 field season.
After Demo Upper Quarters	2003	Near former water tank at upper mountain	NW	Condition of upper mountain area (former Building 124) at close of 2003 field season
Lower Tram Final	2003	NW of former Lower Tram Building	SW	Condition of Site 32 lower tram building and tram up mountain at close of 2003 field season. Tram remains.
Ops Final	2003	Perimeter Road SE of AFS Operations Area	W	Condition of former AFS Operations Area at close of 2003 field season.
Upper Tram Final	2003	West of former Radome location	W	Looking down at condition of former upper tram area at close of 2003 field season. Remaining debris is shown.
Site 21 Septic	2003	Perimeter Road east of former Site 21 wastewater treatment tank.	W	Condition of former Site 21 wastewater treatment tank at close of 2003 field season.
Site 31 Final	2003	Cat Trail south of Site 31	NNW	Condition of Site 31 former WAC Site area at close of 2003 field season
Upper Mtn Near Final	2003	West of former upper tram area	E	Condition of former upper tram area near close of 2003 field season.
Folder 26				
Folder 27				
Tank Scrap 01	Aug 2002	AFS Operations Area gravel pad.	SE	Scrap metal from tanks staged east of AFS Operations Area.
Tank Scrap 02	Aug 2002	AFS Operations Area gravel pad.	NE	Scrap metal from tanks 11-1, 11-2, and 11-3.
Tank Scrap 03	Aug 2002	AFS Operations Area gravel pad.	E	Scrap metal from tanks staged east of AFS Operations Area.

Title	Date	From Location	Direction of View	Description / Subject
Tank Scrap 04	Aug 2002	AFS Operations Area gravel pad.	SE	Scrap metal from tanks staged east of AFS Operations Area.
Tank Scrap 05	Aug 2002	AFS Operations Area gravel pad.	SE	Scrap metal from tanks staged east of AFS Operations Area.
Tank Scrap 06	Aug 2002	AFS Operations Area gravel pad.	E	Scrap metal from tanks staged east of AFS Operations Area.
Tank Scrap 07	Aug 2002	AFS Operations Area gravel pad.	SE	Scrap metal from tanks staged east of AFS Operations Area.
Tank Scrap 08	Aug 2002	AFS Operations Area gravel pad.	NE	Scrap metal from tanks 11-1, 11-2, and 11-3.
Tank Scrap 09	Aug 2002	AFS Operations Area gravel pad.	E	Scrap metal from tanks staged east of AFS Operations Area.
Tank Scrap 10	Aug 2002	AFS Operations Area gravel pad.	NE	Scrap metal from tanks staged east of AFS Operations Area.
Folder 28				
02NECW A001	2003			Wire from site.
02NECW A002	2003			Wire from site.
02NECW A003	2003			Wire from site.
DCP_0350	2003	Upper mountain	N	Tram
DCP_0368	2003	Upper mountain	N	Airstrip, roads, Bering Sea
DSC00009	Spring 2003	Beach	W	Beach
DSC00018	2003			Antennae foundation
DSC00039	2003	Upper tram building	N	Tram
DSC00041	2003			Barge
DSC00043	2003			Barge
DSC00047	2003	Airstrip	E	Suqi River and area E of airstrip
DSC00133	2003	Beach	E	Improvements to barge landing area

Title	Date	From Location	Direction of View	Description / Subject
DSC00134	2003	Beach		Landing craft
DSC00135	2003	Beach		Improvement to barge landing area
DSC00137	2003	Beach		Landing craft
DSC00138	2003	Beach		Landing craft
DSC00163	2003			Poles and debris in tundra/muskeg area.
DSC00164	2003			Poles and debris in tundra/muskeg area.
DSC00165	2003			Poles and debris in tundra/muskeg area.
DSC00169	2003			Wire in tundra/muskeg area.
DSC00170	2003			Wire in tundra/muskeg area
DSC00171	2003			Wire crossing drainage in tundra/muskeg area
DSC00172	2003			Wire crossing wetland
DSC00173	2003			Wire and poleline crossing tundra/muskeg area
DSC00176	2003			Wire remaining near former Building 98
DSC00179	2003	North end airstrip	NW	Marston matting remaining in tundra/muskeg area
DSC00181	2003	North end airstrip	NW	Marston matting remaining in tundra/muskeg area
DSC00189	2003		W	Concrete utilidors foundation pedestals between Perimeter Road and former Site 21 Wastewater Treatment tank.
DSC00191	2003			Wire in tundra/muskeg area
DSC00192	2003	Tundra area north of AFS Operations area	S	Wire in tundra/muskeg area
DSC00193	2003	Tundra area northwest of AFS Operations area	SE	Wire in tundra/muskeg area
DSC00194	2003	Northwest of AFS Operations area	SE	Wire in tundra/muskeg area
DSC00196	2003	Northwest of AFS Operations area	NW	Wire in tundra/muskeg area
DSC00197	2003	Northwest of AFS Operations area	SE	Wire in tundra/muskeg area
DSC00198	2003			Wire in tundra/muskeg area
DSC00199	2003	North of AFS Operations area	S	Thermo-anchor

Title	Date	From Location	Direction of View	Description / Subject
DSC00200	2003	North of AFS Operations area		Two tanks remaining on tundra/muskeg area
DSC00201	2003	North of AFS Operations area	S	Thermo-anchors in tundra/muskeg area
DSC00223	2003	Airport Road	NE	Remaining posts in tundra/muskeg area.
DSC00224	2003	North of Airport Road	NE	Remaining posts in tundra/muskeg area.
DSC00227	2003	Near north end of airstrip	SW	Marston matting northwest of north end of airstrip
DSC00228	2003	Near north end of airstrip	SW	Marston matting northwest of north end of airstrip
DSC00229	2003	Near north end of airstrip	SW	Marston matting northwest of north end of airstrip
DSC00230	2003	Northwest of north end of airstrip		Eight poles remaining.
DSC00232	2003	Cat trail to upper mountain		Dozer improving cat trail
DSC00234	2003	Cat trail to upper mountain		Improvement to cat trail
DSC00235	2003	Cat trail to upper mountain		Dozer improving cat trail
DSC00236	2003	Cat trail to upper mountain		Dozer improving cat trail
DSC00237	2003	Cat trail to upper mountain		Improvement to cat trail
DSC00238	2003	Cat trail to upper mountain		Improvement to cat trail
DSC00243	2003	Near AFS Operations Area	N	Debris staging area northwest of AFS Operations Area
DSC00244	2003	Near AFS Operations Area		Debris staging area northwest of AFS Operations Area
DSC00246	2003	Former Building 98	W	Wire remaining near former Building 98
DSC00247	2003	Former Building 98	N	Wire remaining near former Building 98
DSC00250	2003	Former Building 98	N	Wire remaining near former Building 98
DSC00251	2003	Cargo Beach Road	N	Debris remaining along Cargo Beach Road
DSC00252	2003	Cargo Beach Road	N	Debris remaining along Cargo Beach Road
DSC00253	2003	Cargo Beach	S	Debris remaining at Cargo Beach
DSC00254	2003	Cargo Beach	S	Debris remaining at Cargo Beach
DSC00255	2003	Cargo Beach	W	Debris remaining at Cargo Beach
DSC00258	2003	Cat trail to upper mountain	S	Dozer improving cat trail
DSC00259	2003	Near Stream crossing #2	S	Cat trail to upper mountain
DSC00260	2003	Near Stream crossing #2	S	Cat trail to upper mountain
DSC00261	2003	Near AFS Operations Area		Roof trusses from former Building 98
DSC00264	2003	AFS Operations Area	N	Photo shows small debris remaining on ground surface

Title	Date	From Location	Direction of View	Description / Subject
DSC00270	2003			Poles in tundra/muskeg area
DSC00271	2003			Poles in tundra/muskeg area
DSC00272	2003			Poles in tundra/muskeg area
DSC00278	2003	Cat trail near Site 32	SW	Tram
DSC00279	2003	Upper mountain	N	Tram and lower mountain area
DSC00280	2003	Upper mountain	N	Tram and lower mountain area
DSC00281	2003	Upper mountain	N	Tram and lower mountain area
DSC00290	2003	Cargo Beach	NE	Landing craft
DSC00309	2003	Upper mountain	N	Tram and debris on slope
PICT0009	2003	Near airstrip	E	General view
PICT0016	2003	Near airstrip	E	General view
PICT0089	2003	Airstrip		Aircraft on airstrip
Remaining Tank Steel	2003	North of AFS Operations Area	S	Tank scrap metal remaining at site.

ATTACHMENT 03
W911KB-04-R-0018

RECEIVED
FORTIER & MIKKO

DEPARTMENT OF THE ARMY
RIGHT-OF-ENTRY FOR
ENVIRONMENTAL ASSESSMENT AND RESPONSE

JUL 03 2002

SAINT LAWRENCE ISLAND, ALASKA
(Property, Installation or Activity)

NO. DACA85-9-02-22
(Property Identification Number)
VIA RD MAIL FAX
Resp. _____
RETURN COPY

The undersigned, hereinafter called the "Owner," in consideration of the mutual benefits of the work described below, hereby grants to the UNITED STATES OF AMERICA, hereinafter called the "Government," a right-of-entry upon the following terms and conditions.

1. The Owner hereby grants to the Government an irrevocable right to enter in, on, over and across the land described herein, for a period not to exceed five (5) beginning April 20, 2003, and terminating upon the earlier completion of remediation or the filing of a notice of termination in the local land records by the representative of the United States in charge of the Saint Lawrence Island remediation project, for use by the United States, its representatives, agents, contractors, and assigns, as a work area for environmental investigation and response; including the right to store, move, and remove equipment and supplies; erect and remove temporary structures on the land; investigate and collect samples; excavate and remove ordnance and explosive waste, pollutants, hazardous substances, contaminated soils, containerized waste, and replace with uncontaminated soil; excavate and remove all storage tanks (above, at and below ground level), contents and appurtenant piping; demolish and dispose of former military structures and debris; construct, operate, maintain, alter, repair, and remove ground water monitoring wells, groundwater purification and injections systems, appurtenances thereto and other devices for the monitoring and treatment of contamination in soil, air and water and perform any other such work which may be necessary and incident to the Government's use for the environmental investigation and response on said lands; subject to existing easements for public roads and highways, public utilities, railroads and pipelines; reserving however to the landowner(s), their heirs, executors, administrators, successors and assigns, all such right, title, interest and privilege as may be used and enjoyed without interfering with or abridging the rights and right-of-entry hereby acquired.

2. The Owner also grants the right to enter and exit over and across any other lands of the Owner as necessary to use the described lands for the purposes listed above.

3. All tools, equipment, and other property taken upon or placed upon the land by the Government shall remain the property of the Government and may be removed by the Government at any time within a reasonable period after the expiration of this permit or right-of-entry.

SAINT LAWRENCE ISLAND, ALASKA
(Property, Installation or Activity)

NO. DAC. 1-9-02-22
(Property Identification Number)

4. upon expiration or termination of this right-of-entry, the Government shall assure restoration of the ground contour and replace any pavement or other cover which was removed or damaged for this work, establish a groundcover of grass on areas not otherwise covered and reconnect any operating utility lines which were required to be disconnected or otherwise disrupted.

5. If any action of the Government's employees or agents in the exercise of this right-of-entry results in damage to the real property, the Government will, in its sole discretion, either repair such damage or make an appropriate settlement with the Owner. In no event shall such repair or settlement exceed the fair market value of the fee title to the real property at the time immediately preceding such damage. The Government's liability under this clause is subject to the availability of appropriations for such payment, and nothing contained in this agreement may be considered as implying that Congress will at a later date appropriate funds sufficient to meet any deficiencies. The provisions of this clause are without prejudice to any rights the Owner may have to make a claim under applicable laws for any damages other than those provided for herein.

6. The land affected by this right-of-entry is located in the State of Alaska, and is described as follows:

Townships 20 South through 29 and Ranges 53 West and 68 West, Kateel River Meridian, Saint Lawrence Island, Alaska.

WITNESS MY HAND AND SEAL this 3RD day of JULY, 2002.

SAVOONGA NATIVE CORPORATION

UNITED STATES OF AMERICA

Carl Pelowook
Authorized Signature

Harold D. Hopson

CARL PELOWOOK / PRESIDENT
Printed Name & Title SAC

Harold D. Hopson
Chief, Real Estate Division
US Army Engineer District, AK
PO Box 898
Anchorage, AK 99506-0898
Fax 907-753-1836

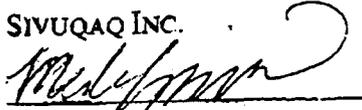
P.O. BOX 160
Address

1-907-984-6613
Telephone Number

SAINT LAWRENCE ISLAND, ALASKA
(Property, Installation or Activity)

NO. DACA85-9-02-22
(Property Identification Number)

SIVUQAQ INC.



Authorized Signature

Merle Apassingok, President

Printed Name & Title

P.O. Box 101 Gambell, AK. 99742

Address

(907) 985-5826

Telephone Number

ATTACHMENT 04 – CAT TRAIL AND ROAD INFORMATION (AUGUST 2001)

Location (see Drawings D-2 & D-3)	Description	Grade (%)	Trail Width (ft.)	Photos
Cat Trail from Lower Tram Building to Tram Tower #2	General Information: Maximum Grade on trail is approximately 28%. Narrowest point on existing cut trail is 8 feet wide, with most of trail at least 10 feet wide. Trail generally comprised of angular gravel, cobbles, and boulders up to 1.5 ft. across, with sporadic larger boulders up to 2.5 feet across.			
Tram Tower #2	Trail at Tram Tower #2.			D13-011, D13-027
Trail Pt. "A"	Cat Trail to Tram Tower #2. Approximately 200 feet east of Tram Tower #2.	26%	10	D13-029
Trail Pt. "B"	Cat Trail to Tram Tower #2.	26%	10	
Trail Pt. "C"	Cat Trail to Tram Tower #2.			D13-012
Trail Pt. "D"	Cat Trail to Tram Tower #2.			D13-012
Trail Pt. "E"	Cat Trail to Tram Tower #2.			D13-005, D13-017
Trail Pt. "F"	Cat Trail to Lower Tram Building across stream with culvert.		14	D19-018
Trail Pt. #1	Cat Trail approximately 300 feet east of upper mountain facilities.	24%	9	D16-026
Trail Pt. #2	Cat Trail at Trail Wye where Southwest Fork Trail and Northeast Fork Trail split.	3%	12	D16-026
Between Trail Pt. #2 and Trail Pt. #3	Cat Trail between Trail Pt. "2" and Trail Pt. "3".	3%	12	D16-020
Trail Pt. #3	Cat Trail at break in slope where trail drops down off of top ridge toward switchbacks		12	D16-027, D16-028
Switchbacks	General Photographs of Cat Trail in area of switchbacks. Photographs look down from above the cat trail switchbacks.			D16-029, D16-030, D17-001, D17-002
Trail Pt. #4	Cat Trail.	25%	8	D17-004, D16-027, D16-028, D16-029, D16-030
Trail Pt. #5	Cat Trail.	23%	8	D17-005, D16-029, D16-030, D17-001, D17-002
Trail Pt. #6	Cat Trail at switchback turn. Inside radius approx. 5 ft. Runout approx. 66 ft.			D17-005, D17-006, D16-029, D17-001

Location (see Drawings D-2 & D-3)	Description	Grade (%)	Trail Width (ft.)	Photos
Trail Pt. #7	Cat Trail. Trail width pinched by slide material at this location.		3	D17-001, D17-006, D16-029
Trail Pt. #8	Cat Trail. Trail flattens out in this section.		7	D17-001, D16-029
Trail Pt. #9	Cat Trail. At upper side of switchback turn. Inside radius approx. 5 ft. Runout approx. 110 ft. Washout extends through the runout.		12	D17-001, D17-007
Trail Pt. #10	Cat Trail. Approximately 15 ft. down-trail from switchback.		15	D17-001, D17-007
Trail Pt. #11	Cat Trail. At 3 locations along this stretch between Trail Pt. # 11 and Trail Pt. #12, rock slides pinch trail to approximately 3 feet wide.	18%	8	D17-008, D17-001, D17-002, D16-029
Trail Pt. #12	Cat Trail. Approximately 20 ft. up-trail from switchback.	31%	8	D17-009, D17-010, D17-001, D17-002, D16-029
Trail Pt. #13	Cat Trail. At switchback turn. Inside radius approx. 15 ft. Runout approx. 80 ft.			D17-009, D17-010, D17-001, D17-002, D16-029
Trail Pt. #14	Cat Trail.	4%	10	D17-001, D17-002, D17-010
Trail Pt. #15	Cat Trail. At uphill side of washout trail section.			D17-002, D17-011, D17-012, D17-013, D17-014
Trail Pt. #16	Cat Trail. In washout trail section. Builders up to 3 ft. across.	24%	10	D17-002, D17-012, D17-013, D17-014, D17-015
Trail Pt. #17	Cat Trail. At down-trail end of washout section. Boulder to approx. 5 ft. across.	17%		D17-016
Trail Pt. #18	Cat Trail. At switchback turn. Inside radius approx. 15 ft. Runout approx. 40 ft. Grade shown is on up-trail side of switchback turn.	22%		
Trail Pt. #19	Cat Trail.	14%	9	
Trail Pt. #20	Cat Trail. At switchback turn. Inside radius approx. 30 ft. Runout approx. 36 ft.		8	
Trail Pt. #21	Cat Trail.	14%	8	

Location (see Drawings D-2 & D-3)	Description	Grade (%)	Trail Width (ft.)	Photos
Trail Pt. #22	Cat Trail. At switchback turn. Inside radius approx. 30 ft. Runout approx. 50 ft.			
Trail Pt. #23	Cat Trail. The northern 3 ft. of trail width is washed out from runoff flowing down trail.	23%	9	
Trail Pt. #24	Cat Trail. At turn.		10	D19-012
Trail Pt. #25	Cat Trail.	23%	10	D19-003, D19-010, D19-011, D19-012
Trail Pt. #26	Cat Trail. Stream Crossing #2.			D19-002, D19-003, D19-004, D19-005, D19-006, D19-007, D19-008, D19-009
Trail Pt. #27	Cat Trail.	18%	8-12	D19-014
Trail Pt. #28	Cat Trail.	19%		
Trail Pt. #29	Cat Trail.	12%		D19-015
Hill 200 ft. SE of Trail Pt. #30	Cat Trail.	17%		
Trail Pt. #30	Cat Trail. At Wye in trail.	10%		
Trail Pt. #31	Cat Trail.	13%	12	
Trail Pt. #32	Cat Trail. Stream Crossing #1. Culvert exists at crossing but will require re-positioning. Culvert is 5 ft. diameter by 40 ft. long.			D20-006, D20-007, D20-008, D20-009, D20-010
Borrow Area	Borrow area is located south of former AFS Operations Complex. Borrow material available at borrow area consists of Well Graded Gravel with Sand, Cobbles, and Boulders. Boulders up to 3 feet across. Particles are angular. Sieve not available.			D21-017 through D21-020, D2-002, D8-017, D8-018

Location (see Drawings D-2 & D-3)	Description	Grade (%)	Trail Width (ft.)	Photos
Cargo Beach	Photographs of the Cargo Beach area.			D1-008, D1-010, D1-011, D1-012, D1-014, D1-015, D22-022 through D22-025, D22-027, D22-029
Road South from Cargo Beach	Photographs of road between Cargo Beach and Wye located approximately 1600 feet southwest of Site 7.			D1-014, D1-018, D1-019, D1-020, D22-028, D22-029
Road	Wye in road located approximately 1600 feet southwest of Site 7.			D8-016
Road East from Airstrip	Photograph looking southeast at road leading southeast from airstrip.			D5-021
Trail to Site 24 Receiver Building	Trail extending from former AFS Operations Area northwest to Site 24 Receiver Building area			D8-022, D8-023, D8-026
Road north of AFS	Road extending north from former AFS Operations Area to Wye in road.			D9-004

ATTACHMENT 05 – STREAM CROSSING INFORMATION

Location	Description	Photos
Stream Crossing #1	Stream Crossing #1 is located between Site 31 and the former AFS Operations Area. Water flow at this crossing is intermittent, depending on season and precipitation events. The current width of the stream channel at this crossing is approximately 50 feet. A culvert exists, however it is not set in the current stream channel. The culvert shall be repositioned. The culvert is 5 feet diameter by 40 feet long. The culvert may be damaged, and therefore may require repair or replacement. Fish have not been documented at this stream crossing location. The stream flows north and connects with the Suqitughneq River approximately 3000 feet to the north. Dolly Varden and Alaska blackfish have been documented in the Suqitughneq River. Salmon have not been documented in the Suqitughneq River drainage. Work activity invasive to the stream channel is anticipated at this location. Stream crossing at this location shall be conducted in a manner that does not leave an obstruction to fish passage.	D20-006 through D20-010
Stream Crossing #2	Stream Crossing #2 is located approximately 3,500 feet southeast (up-valley) from Site 32. Water flow at this crossing is intermittent, depending on season and precipitation events. Water flow at this location drains to the Suqitughneq River. During a 2001 site visit, stream flow was observed to begin at the stream crossing; there was no surface flow upstream, however there was surface flow downstream. Streamflow exited the rock colluvium at the stream crossing. The cat trail on each side of the crossing is approximately 10 feet wide. The current width of stream channel is about 13 feet. Fish have not been documented at this location. Work activity (crossing) invasive to the stream channel is anticipated at this location.	D19-001 through D19-009
Stream Crossing #3	Stream Crossing #3 is located approximately 40 feet west of the Lower Tram Building. The existing cat trail leading to Tram Tower #1 and Tram Tower #2 crosses the stream. Water flow at this crossing is intermittent, depending on season and precipitation events. Water flow at this location drains to the Suqitughneq River. The current width of the stream "channel" is approximately 9 feet. Fish have not been documented at this location. Work activity (crossing) invasive to the stream channel is anticipated at this location. Stream crossing at this location shall be conducted in a manner that does not leave an obstruction to fish passage.	D19-020, D19-021, D19-022

Location	Description	Photos
Stream Crossing #4	Stream Crossing #4 is located at the cat trail leading to the Lower Tram Building, approximately 100 feet northeast of the Lower Tram Building. A 5.5-foot diameter by 36-foot long culvert is currently in place at the crossing. A 14-foot wide cat trail currently exists above the culvert. The top of the culvert is approximately 5 feet beneath the cat trail surface. Streamflow is intermittent at this location. Water flow at this location drains to the Suqitughneq River. Fish have not been documented at this location. Work invasive to the stream is not anticipated to be conducted at this location.	D19-017, D19-018
Stream Crossing #5	Stream Crossing #5 is a bridge over the Suqitughneq River located approximately 630 feet southeast of the airstrip centerline. High water has been documented to erode the bridge abutment. Bridge repair work was required at this location during the 2001 removal action project. Fish have been documented at this location, to include Dolly Varden and Alaska blackfish. This is a rearing reach for Dolly Varden. No salmon have been documented in the Suqitughneq River drainage. Work invasive to the stream channel may be conducted at this location if the stream erodes the bridge abutments. Work would involve repair of bridge and placement of rock fill at base of abutments. Instream work at this location shall be conducted in a manner that does not leave an obstruction to fish passage.	D5-021, D5-022, D5-023, D5-025
Stream Crossing #6	Stream Crossing #6 is located on Cargo Beach Road approximately 1300 feet south of the beach at Kitnagak Bay. Old documentation indicates a culvert exists beneath the road at this location, however it is not known if the culvert still exists. Fish have not been documented at this location. It is likely that this drainage would not support fish other than stickleback. Limited work invasive to the stream might be required to repair or replace the culvert to maintain stream flow and protect road access to the work sites. Instream work at this location, if conducted, shall be conducted in a manner that does not leave an obstruction to fish passage.	D1-018, D1-019
Stream Crossing #7	Stream Crossing #7 is along the Suqitughneq River, approximately 200 feet south of the intersection of Cargo Beach Road and Airport Road. This stream crossing has an existing culvert. Fish have been documented at this location, to include Dolly Varden and Alaska blackfish. No salmon have been documented in the Suqitughneq River drainage. Work invasive to the stream is not anticipated to be required at this location.	

Location	Description	Photos
Stream Crossing #8	Stream Crossing #8 is located approximately 2500 feet from the former AFS Operations Area along the cat trail west to the receiver building area (Site 24) . Old documentation indicates a culvert exists beneath the road at this location, however it is not known if the culvert still exists. Flow is intermittent, depending on season and precipitation events. Much of the time this location is simply a lower point in the cat trail with a water puddle. Water flow from this location would drain north to the Suqitughneq River. Fish have not been documented at this location. Dolly Varden and Alaska blackfish have been documented at a point approximately 650 feet north of this location. Salmon have not been documented in the Suqitughneq River drainage. Work invasive to this culvert location may be conducted to maintain access to the receiver area to the west. Work would be limited to installing or repairing a culvert (if one currently exists), and grading the trail. Limited fill may be placed and graded at this location to build up the level of the cat trail. Instream work at this location, if conducted, shall be conducted in a manner that does not leave an obstruction to fish passage.	
Stream Crossing #9	Stream Crossing #9 is located along the cat trail to Site 24, approximately 200 feet south of the former AFS Operations Area. A culvert exists at this crossing. This stream drains northwest, around the western edge of the former AFS Operations Area, to the Suqitughneq River. Fish have not been documented at this stream crossing location. Dolly Varden and Alaska blackfish have been documented in this drainage downstream of this crossing at a point approximately 650 feet north of this location. Salmon have not been documented in the Suqitughneq River drainage. Work invasive to the stream is not anticipated to be required at this location.	
Stream Crossing #10	Stream Crossing #10 is located along the cat trail to Site 24, approximately 50 feet south of the former AFS Operations Area. A culvert exists at this crossing. This stream drains northwest, around the western edge of the former AFS Operations Area, to the Suqitughneq River. Fish have not been documented at this stream crossing location. Dolly Varden and Alaska blackfish have been documented in this drainage at a point approximately 650 feet north of this stream crossing location. Salmon have not been documented in the Suqitughneq River drainage. Work invasive to the stream is not anticipated to be required at this location.	

Location	Description	Photos
Stream Crossing #11 (multiple poleline locations)	Stream Crossing #11 is located approximately 2 miles west of the former AFS Operations Area in the vicinity of polelines that exist in wetlands. This crossings will be over the Quangeghsaq River, which flows generally northward in this area. Assume fish are at least intermittently present in the stream in this area, to include Dolly Varden and Alaska Blackfish. No salmon have been documented in this stream. Crossing of this stream would be conducted by low-tire-pressure vehicles (probably amphibious). Crossings will be located approximately in line with the existing polelines, where indications of old trails/crossings already exist. Crossings may involve placement of timbers across the stream to temporarily bridge the water and reduce damage to vegetation. The contractor shall remove potential obstructions to fish passage placed at crossings after use. Stream crossing shall be conducted in a manner that does not leave an obstruction to fish passage.	
Additional Culvert A	Additional Culvert A is located approximately 2400 feet south of the beach at Kitnagak Bay on Cargo Beach Road. This culvert is indicated on available maps, however a stream is not known to flow through the culvert. Work invasive to the culvert is not anticipated.	
Additional Culvert B	Additional Culvert B is located approximately 900 feet south of the intersection of Cargo Beach Road and Airport Road. This culvert is indicated on available maps, however a stream is not indicated on maps. Flow is expected to be intermittent at this location. When present, water would flow to the Suqitughneq River. Fish have not been documented at this location. Dolly Varden and Alaska blackfish have been documented in Suqitughneq River. Salmon have not been documented in the Suqitughneq River drainage. Work invasive to this culvert is not anticipated.	
Additional Culvert C	Additional Culvert C is located approximately 700 feet southwest of the Former AFS Operations Area along the cat trail west to the receiver area. This culvert is indicated on available maps, however a stream is not known to flow through the culvert. This culvert is expected to allow intermittent runoff to pass under the cat trail seasonally and during precipitation events. Work invasive to the culvert is not anticipated.	
Additional Culvert D	Additional Culvert D is located approximately 1200 feet southwest of the Former AFS Operations Area along the cat trail west to the receiver area. This culvert is indicated on available maps, however a stream is not known to flow through the culvert. This culvert is expected to allow intermittent runoff to pass under the cat trail seasonally and during precipitation events. Work invasive to the culvert is not anticipated.	

Location	Description	Photos
Additional Culvert E	Additional Culvert E is located approximately 1800 feet southwest of the Former AFS Operations Area along the cat trail west to the receiver area. This culvert is indicated on available maps, however a stream is not known to flow through the culvert. This culvert is expected to allow intermittent runoff to pass under the cat trail seasonally and during precipitation events. Work invasive to the culvert is not anticipated.	

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE <i>(Read instructions on reverse side prior to initiating this form)</i>	DATE:	TRANSMITTAL No.
---	-------	-----------------

SECTION 1 - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS *(This section will be initiated by the Contractor)*

TO:	FROM:	CONTRACT No:	CHECK ONE: <input type="checkbox"/> THIS IS A NEW TRANSMITTAL <input type="checkbox"/> THIS IS A RESUBMITTAL OF TRANSMITTAL
-----	-------	--------------	---

SPECIFICATION SEC. No: <i>(Cover only one section with each transmittal)</i>	PROJECT TITLE AND LOCATION:	CHECK ONE: THIS TRANSMITTAL IS FOR <input type="checkbox"/> FIO <input type="checkbox"/> GOVMNT APPROVAL
--	-----------------------------	--

ITEM No:	DESCRIPTION OF ITEM SUBMITTED: <i>(Type size, model number, etc.)</i>	MFG. OR CONTR. CAT., CURVE DRAWING OR BROCHURE No: <i>(See Instruction no. 8)</i>	No. OF COPIES	CONTRACT REFERENCE DOCUMENT		FOR CONTRACTOR USE CODE	VARIATION <i>(See Instruction No. 6)</i>	FOR CE USE CODE
				SPEC. PARA. No. e.	DRAWING SHEET No. f.			
a.	b.	c.	d.			g.	h.	i.

REMARKS:	<p>I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.</p> <p style="text-align: right;">NAME AND SIGNATURE OF CONTRACTOR</p>
----------	---

SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED: <i>(List by item No.)</i>	NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY:	DATE:
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INSTRUCTIONS

1. Section 1 will be initiated by the Contractor in the required number of copies.
2. Each transmittal shall be numbered consecutively in the space provided for "Transmittal No.". This number, in addition to the contract number, will form a serial number for identifying each submittal. For new submittals or resubmittals mark the appropriate box; on resubmittals, insert transmittal number of last submission as well as the new submittal number.
3. The "Item No." will be the same "Item No." as indicated on ENG FORM 4288 for each entry on this form.
4. Submittals requiring expeditious handling will be submitted on a separate form.
5. Separate transmittal form will be used for submittals under separate sections of the specifications.
6. A check shall be placed in the "Variation" column when a submittal is not in accordance with the plans and specifications - also, a written statement to that effect shall be included in the space provided for "Remarks".
7. Form is self-transmittal, letter of transmittal is not required.
8. When a sample of material or Manufacturer's Certificate of Compliance is transmitted, indicate "Sample" or "Certificate" in column c, Section 1.
9. U.S. Army Corps of Engineers approving authority will assign action codes as indicated below in space provided in Section 1, column i to each item submitted. In addition they will ensure enclosures are indicated and attached to the form prior to return to the Contractor. The Contractor will assign action codes as indicated below in Section 1, column g, to each item submitted.

THE FOLLOWING ACTION CODES ARE GIVEN TO ITEMS SUBMITTED

- | | | | |
|-----|---|------|---|
| A - | Approved as submitted. | E - | Disapproved. (See attached) |
| B - | Approved, except as noted on drawings. | F - | Receipt acknowledged. |
| C - | Approved, except as noted on drawings.
Refer to attached sheet, resubmission required. | FX - | Receipt acknowledged, does not comply as
noted with contract requirements. |
| D - | Will be returned by separate correspondence. | G - | Other. (Specify) |

10. Approval of items does not relieve the Contractor from complying with all the requirements of the contract plans and specifications.

FINDING OF NO SIGNIFICANT IMPACT

In accordance with the National Environmental Policy Act of 1969, as amended, the U.S. Army Corps of Engineers, Alaska District, has assessed the environmental impacts of the following action:

White Alice Site Removal Action
Northeast Cape
St. Lawrence Island, Alaska
Defense Environmental Restoration Program
Formerly Used Defense Site

The U.S. Army Corps of Engineers will conduct a removal action, to include building demolition and debris removal (BDDR) and containerized hazardous and toxic waste (ConHTW), at and around the Northeast Cape White Alice site on St. Lawrence Island, Alaska. This removal action will correct unsafe and potentially hazardous conditions. This removal action is being performed under authority of the Defense Environmental Restoration Program, Formerly Used Defense Sites (DERP-FUDS).

The removal action as proposed includes (1) removal of containerized hazardous and toxic waste, (2) removal of storage tanks, (3) removal of inherently hazardous buildings and structures, including pole lines and wire, (4) incidental asbestos abatement, and (5) removal of septic systems. Access to the site entails maintaining a temporary barge landing facility by discharging clean gravel in navigable waters of the U.S. and upgrading and repairing existing roads. Various alternatives for conducting the proposed action were identified and evaluated to include the no-action alternative, onsite versus offsite disposal, and disposal versus recycling of scrap metal.

Based on an evaluation of approach alternatives, the proposed action includes offsite transportation and disposal of demolition debris and waste items. Scrap metal will be disposed offsite, to include recycling of unpainted metal items to the extent practicable. Petroleum-contaminated soil that is excavated incidental to the removal action activities will remain at the site to await remedial action under the ongoing Remedial Investigation/Feasibility Study (RI/FS) program; excavated soil will be placed back into the excavations and capped with clean fill to prevent exposure. If feasible, unpainted, non-asbestos containing material (ACM) combustible items will be burned onsite to reduce mass and volume of debris that would otherwise be transported offsite and placed in a landfill. Painted items, however, will not be burned due to the anticipated presence of lead and poly-chlorinated biphenyls (PCBs) in the paint. Non-ACM demolition debris will be allowed by the Government to undergo an onsite crushing/grinding operation to reduce the volume of the material prior to transport.

Impacts include the disturbance of vegetation, to include wetlands, to access work areas associated with building demolition and the removal of debris and contamination. Access to the sites will require crossing a number of intermittent streams with heavy equipment. Fill materials will be discharged into waters of the U.S., to include wetlands, for the repair and maintenance of the barge landing facility, to backfill excavations, and

for stream crossings. Impacts to wetlands and other waters of the U.S. will be minimized to the extent practicable.

Mitigation measures incorporated into the project include (1) developing a storm water pollution prevention plan that will include measures to control the potential impacts of soil disturbance; (2) using low tire pressure vehicles in wetland and tundra areas; (3) backfilling, contouring, and seeding excavated areas that previously supported vegetation; (4) not disturbing or removing the raven's nest in the tower when in use; and (5) filtering and/or treating any construction related wastewater prior to its discharge.

The project will have no affect on threatened or endangered species or their critical habitat. The State Historic Preservation Officer (SHPO) has determined that the cleanup of the site will constitute an adverse effect to the White Alice Communication System. As such, a Memorandum of Agreement between the Corps and the SHPO was prepared and signed in July 1999 that describes mitigation measures, which are being implemented.

This work is consistent with the Bering Straits Coastal Management Standards to the extent practicable. The accompanying combined engineering evaluation and cost analysis (EE/CA) and environmental assessment (EA) supports the conclusion that this project will not constitute a major Federal action significantly affecting the quality of the human environment. Therefore, an environmental impact statement is not necessary for the removal action at the Northeast Cape White Alice Site.



Steven T. Perrenot
Colonel, Corps of Engineers
District Engineer

19 JUN 2002

Date

MEMORANDUM FOR RECORD

FROM: BILL ABADIE, CEPOA-EN-CW-ER

DATE: 30 MAY 2002

RE: Public Comments on the White Alice Site Removal Action, Northeast Cape, St. Lawrence Island, Alaska, Formerly Used Defense Site Project.

1) On 4 March 2002, a public notice was issued soliciting comments on a combined Engineering Evaluation and Cost Analysis (EE/CA) and Environmental Assessment for the White Alice Site Removal Action, Northeast Cape, St. Lawrence Island, Alaska. The required public comment period has been completed.

2) Comments were received from:

- a) Mr. Fritz Waghiyi, President of the Native Village of Savoonga.
- b) Mr. Morgan Apatiki, Liaison, Sivuqaq Incorporated
- c) Mr. Jerald M. Reichlin, attorney representing Savoonga Native Corporation and Sivuqaq, Inc.
- d) Ms. Kendra Zamzow, Alaska Community Action on Toxics
- e) Mr. John W. Smithson, Nugget Construction
- f) Mr. Jeff Brownlee, Alaska Department of Environmental Conservation

3) Formal responses to comments are being sent back to most of the commenters. The majority of the comments dealt with minor corrections and clarifications. None of the comments received changed the project approach. Several pertinent issues raised are -

a) On-Site Monofill – The Savoonga Native Corporation and Sivuqaq, Inc, the landowners, are willing to consider an on-site monofill, provided they receive compensation. We have informed them that the Corps is willing to consider an on-site landfill provided the Government does not own the landfill and is free of liability for future monitoring, operation, or maintenance. Due to the schedule of the Request for Proposal and the length of time necessary to address the issues, the corporations have been informed that we would consider such a proposal through the Value Engineering process.

b) Sampling of Contaminants – We have informed the reviewers that this action is an interim cleanup action, primarily building demolition and debris removal (BDDR). Sampling is being coordinated with the Alaska Department of Environmental Conservation. Mitigation of additional contaminated soils will be addressed as part of the long-term cleanup actions for the site (HTRW remediation), once the remedial investigation and feasibility study are complete.

c) Financial Compensation to the Landowners – The Native Corporations were informed that the Corps generally does not pay landowners a fee for entry onto, or

for use of their lands where environmental remediation or restoration is being performed through the DERP/FUDS program. Consideration to the landowner is in the form of the benefits realized from the remediation of the owner's land without cost to the landowner.

d) Cost Estimates – The estimates in the document were a rough order of magnitude (ROM) approximation used for evaluation of the alternatives considered. Some of the estimates, such as barging costs, were incorrect. However, the errors were not significant enough to change the selection of the preferred alternative.

e) Need for Fish Habitat Permits and Potential Impacts to Water Quality– All work is being coordinated with the Alaska Department of Fish and Game and the Alaska Department of Environmental Conservation. Fish Habitat Permits have been obtained. Methods will also be taken to ensure that State Water Quality Standards are met.

4) A Final Alaska Coastal Management Program Consistency Determination was received from the State on May 7, 2002. A State of Alaska Department of Environmental Conservation Certificate of Reasonable Assurance in accordance with Section 401 of the Clean Water Act and the Alaska Water Quality Standards was issued on May 9, 2002.

5) It is our recommendation that the Finding of No Significant Impact be signed to complete the National Environmental Policy Act requirements. It is also our recommendation that the Action Memorandum be signed.

STATE OF ALASKA

OFFICE OF THE GOVERNOR

OFFICE OF MANAGEMENT AND BUDGET
DIVISION OF GOVERNMENTAL COORDINATION

TONY KNOWLES, GOVERNOR

SOUTH CENTRAL REGIONAL OFFICE
550 W. 7TH AVENUE, SUITE 1660
ANCHORAGE, ALASKA 99501
PH: (907) 269-7470/FAX: (907) 269-3981

CENTRAL OFFICE
P.O. BOX 110030
JUNEAU, ALASKA 99811-0030
PH: (907) 465-3562/FAX: (907) 465-3075

PIPELINE COORDINATOR'S OFFICE
411 WEST 4TH AVENUE, SUITE 2C
ANCHORAGE, ALASKA 99501-2343
PH: (907) 271-4317/FAX: (907) 272-3829

May 7, 2002

Mr. William Abadie
U.S. Army Corps of Engineers, AK District
CEPOA-EN-CW-ER
P.O. Box 898
Anchorage, AK 99506-0898

Dear Mr. Abadie:

SUBJECT: Northeast Cape White Alice Site -- Removal Action
STATE I.D. NO. AK 0203-17AA
FINAL CONSISTENCY DETERMINATION

The Division of Governmental Coordination (DGC) is coordinating the State's review of the Corps of Engineers' (COE) proposed project for consistency with the Alaska Coastal Management Program (ACMP) and has developed this final consistency determination based on reviewers' comments.

Scope of Project Reviewed

The proposed project is the removal of containerized hazardous and toxic waste, removal of storage tanks, incidental asbestos abatement, removal of existing buildings and structures, including pole lines and wire, and removal of existing septic systems. An existing barge landing site (ADL 416321) will be used for the project. Demolition debris and waste items will be disposed of or recycled off-site. Petroleum contaminated soil will remain on site to await remedial action under the ongoing Remedial Investigation/Feasibility Study program. Excavated soil will be placed back into the excavations and capped with clean fill to prevent exposure. If feasible, unpainted, non-asbestos containing material (ACM) combustible items will be burned onsite. Painted items will not be burned due to the presence of lead and PCBs in the paint. Non-ACM demolition debris will undergo an onsite crushing/grinding operation to reduce the volume of the material prior to transport. ***Access to the sites will require the crossing of a number of intermittent streams with heavy equipment. Fill material will be discharged into waters of the U.S., including wetlands, for the repair and maintenance of the barge landing facility, to backfill excavations, and for stream crossings. Four stream crossings will be located at the Quangeghsaq River, these locations will be at the sites of existing polelines that cross the Quangeghsaq River. At each location the contractor will cross the stream a number of times***

using amphibious all-terrain vehicles such as an Argo or Hydro Traxx, or an airboat. No barrier to fish passage will be created by the crossings. The Suqitughneq River will also need to be crossed to access the airstrip. A timber bridge currently goes across the stream, however it may be necessary to stabilize the bridge abutments by placing approximately 15 cy of rip-rap per year to maintain the abutments. If necessary rip-rap would be replaced in June or early July, using an excavator. The excavator itself would not enter the stream during the course of the work. All rip rap placed would be free of silts and fine sands and no creosote or pentachlorophenol treated wood timbers or planks would be placed in waters. The location is T. 25S, R. 54W and KRM.

This final consistency determination applies to the following federal and State authorizations per 6 AAC 50:

U.S. Army Corps of Engineers
Section 404 or 10

Alaska Department of Environmental Conservation (DEC)
Certificate of Reasonable Assurance (401)

Alaska Department of Fish and Game (DFG)
Fish Habitat Permit

Alaska Department of Natural Resources (DNR)
Tideland Permit No. ADL 416321

No State or federal agency may issue an authorization before DGC issues this final consistency determination. But, a consistency determination does not obligate any agency to issue authorization under its own statutory authorities, nor does it supersede its statutory obligations. Authorities outside the ACMP may result in additional permit/lease conditions not contained in the consistency determination. Most State agencies should issue permits within five days after DGC issues this final consistency determination. However, State law does not require DNR to issue authorizations involving disposal of State interest within five days, so it may take considerably longer for you to receive such permits. You may not use any State land without DNR authorization.

The Alaska Departments of Environmental Conservation, Fish and Game, and Natural Resources and the Bering Straits coastal resource service area have reviewed your proposed project. Based on that review, the State concurs with your determination that this proposed project is consistent with the ACMP to the maximum extent practicable because you have adopted the following alternative measures into your project proposal.

1. Methods shall be implemented to filter or settle out suspended sediments from all construction related wastewater, including that resulting from dewatering activities, prior to its direct or indirect discharge into any natural body of water. *(401 Certification)*
2. Materials such as sorbent pads and booms shall be available on-site, and shall be used to contain and cleanup any petroleum product spilled as a result of this activity. *(401 Certification)*
3. Culvert installations and removals shall not occur within the flowing waters of the stream. Techniques such as stream diversion, dam and pump, or stream fluming shall be incorporated into the installation/removal activity to insure that silt laden water is not carried into sensitive fish habitat. *(401 Certification)*

Rationale: *These stipulations are necessary to protect water quality, per 6 AAC 80.140 "Air, Land, and Water Quality".*

4. Banks shall not be altered or disturbed in any way. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion. *(Fish Habitat Permit -- Suqitughneq River)*
5. "End-dumping" riprap is prohibited. Riprap shall be strategically placed to prevent excess rock in the streambed. *(Fish Habitat Permit -- Suqitughneq River)*
6. Equipment crossings shall be made from bank to bank in a direction substantially perpendicular to the direction of stream flow. *(Fish Habitat Permit -- Quangeghsaq River)*
7. Equipment crossings shall be made only at locations with gradually sloping banks. There shall be no crossings at locations with sheer or cut banks. *(Fish Habitat Permit -- Quangeghsaq River)*
8. Banks shall not be altered or disturbed in any way to facilitate crossings. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion. *(Fish Habitat Permit -- Quangeghsaq River)*
9. If timber/poles are placed in and adjacent to the stream to create a crossing site, they must be placed in such a way that free passage of fish is assured. In addition, all material shall be completely removed from the streambed and banks at the end of each work season. If needed, the streambed shall be recontoured to assure that "trenches" are not left that will trap fish at low-water levels. *(Fish Habitat Permit -- Quangeghsaq River)*
10. Vehicle crossings shall be limited to only what is necessary to accomplish work. *(Fish Habitat Permit -- Quangeghsaq River)*

11. No damming or diversions are permitted. (*Fish Habitat Permit -- Quangeghsaq River*)

Advisories.

- DEC will also carry the following stipulation, not necessary for consistency, on their 401 Certification -- "Design plans for camps' sewage and water systems shall be approved by the Alaska Department of Environmental Conservation, prior to installation of the same."

Your consistency determination may include reference to specific laws and regulations, but this in no way precludes the COE's, or its subcontractor's, responsibility to comply with all other applicable State and federal laws and regulations.

This consistency determination is ONLY for the project as described. If the COE or its subcontractors propose any changes to the approved project, including its intended use, prior to or during its siting, construction, or operation, the COE must contact this office immediately to determine if further review and approval of the revised project is necessary. Changes may require amendments to the State approvals listed in this consistency determination or require additional authorizations.

This final consistency determination represents a consensus reached between you as the project applicant and the reviewing agencies listed above, regarding the conditions necessary to ensure the proposed project is consistent with the ACMP. *We are informing the federal agency responsible for approving a federal authorization for your project that your original proposal has been modified subject to the alternative measures in this consistency determination.*

This final consistency determination is a final administrative decision for purposes of Alaska Appellate Rules 601-612. Any appeal from this decision to the superior court must be made within 30 days of the date of this determination.

If the proposed activities reveal cultural or paleontological resources, please stop any work that would disturb such resources and immediately contact the State Historic Preservation Office (907-269-8720) and the U.S. Army Corps of Engineers (907- 753-2631) so that consultation per section 106 of the National Historic Preservation Act may proceed.

If you have any questions regarding this process, please contact me at 907-269-7475 or email jennifer_wing@gov.state.ak.us.

Sincerely,


Maureen McCrea

Jennifer Nolan Wing *for*
Project Review Coordinator

cc: Stefanie Ludwig, DNR/SHPO, Anchorage
Tim Rumpfelt, DEC, Anchorage
Susan Malen, DNR, Fairbanks
Al Ott, DFG, Fairbanks
Terry Richards, DOT/PF, Fairbanks
Chuck Degnan, BSCRSA, Unalakleet
Tom Sparks, Bering Straits Native Corporation, Nome
Loretta Bullard, Kawerak, Nome
Gambell City Council, Gambell
Gambell IRA Council, Gambell
Sivuqaq Corporation, Gambell
Sitnasuak Native Corporation, Nome
Savoonga City Council, Savoonga
Savoonga IRA Council, Savoonga
Savoonga Native Corporation, Savoonga
Joan Darnell, NPS, Anchorage

STATE OF ALASKA

TONY KNOWLES, GOVERNOR

DEPARTMENT OF FISH AND GAME

HABITAT & RESTORATION DIVISION

1300 COLLEGE ROAD
FAIRBANKS, ALASKA 99701-1599
PHONE: (907) 459-7289
FAX: (907) 456-3091

FISH HABITAT PERMIT FG02-III-0072

ISSUED: May 20, 2002
EXPIRES: December 31, 2005

Mr. William Abadie
U.S. Army Corps of Engineers, AK District
CEPOA-EN-CW-ER
P.O. Box 898
Anchorage, AK 99506-0898

Dear Mr. Abadie:

RE: Bridge Repair, Northeast Cape White Alice Site Removal Action (St. Lawrence Island); T25S, R54W, Suqitughneq River; SID AK0203-17AA

Pursuant to AS 16.05.840, the Alaska Department of Fish and Game (ADF&G) has reviewed your proposal to place riprap in the Suqitughneq River (on St. Lawrence Island) to protect the bridge abutments. ADF&G received a description of the proposed project on March 19, 2002 and a more detailed description via email on April 3, 2002.

Your proposed project entails placing approximately 15 cubic yards of riprap at the base of the abutments of the bridge crossing the Suqitughneq River each work season (two work seasons are anticipated). An excavator, operating from the deck of the bridge, will place the riprap.

The Suqitughneq River supports anadromous Dolly Varden (and possibly whitefish) and resident fish (e.g., Alaska blackfish) in the area of your proposed activity. Based upon our review of your plans, your proposed project should not obstruct the efficient passage and movement of fish.

In accordance with AS 16.05.840, project approval is hereby given subject to the following stipulations:

- (1) Banks shall not be altered or disturbed in any way. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion.
- (2) "End-dumping" riprap is prohibited. Riprap shall be strategically placed to prevent excess rock in the streambed.

The permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment before beginning the activity. Any action taken by the permittee, or an agent of the permittee, that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G. Therefore, it is recommended that the ADF&G be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.840. This permit must be retained on site during construction. Please be advised that this approval does not relieve you of the responsibility of securing other permits, state, federal or local.

This permit provides reasonable notice from the commissioner that failure to meet its terms and conditions constitutes violation of AS 16.05.860; no separate notice under AS 16.05.860 is required before citation for violation of AS 16.05.840 can occur.

Pursuant to 6 AAC 80.010(b), the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Bering Straits Coastal District Program.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this permit (permittee) shall indemnify, save harmless, and defend the department, its agents and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect, if, and only if, the sole proximate cause of the injury is the department's negligence.

Sincerely,

Robert G. Bosworth, Deputy Commissioner



BY: Alvin G. Ott, Regional Supervisor
Habitat and Restoration Division
Alaska Department of Fish and Game

cc: Harry Bader, ADNR, Fairbanks
Pete McGee, ADEC, Fairbanks
Ann Rappoport, USFWS, Anchorage
Jeanne Hanson, NMFS, Anchorage
Don Kohler, ACOE, Anchorage
Todd Machecek, AST-FWP, Nome
Jennifer Wing, DGC, Anchorage
Chuck Degnan, BSCRSA, Unalakleet

AGO:nji

STATE OF ALASKA

TONY KNOWLES, GOVERNOR

DEPARTMENT OF FISH AND GAME

HABITAT & RESTORATION DIVISION

1300 COLLEGE ROAD
FAIRBANKS, ALASKA 99701-1599
PHONE: (907) 459-7289
FAX: (907) 456-3091

FISH HABITAT PERMIT FG02-III-0073

ISSUED: May 20, 2002
EXPIRES: December 31, 2005

Mr. William Abadie
U.S. Army Corps of Engineers, AK District
CEPOA-EN-CW-ER
P.O. Box 898
Anchorage, AK 99506-0898

Dear Mr. Abadie:

RE: Equipment Stream Crossing, Northeast Cape White Alice Site Removal Action
(St. Lawrence Island), T25S, R54W, Quangeghsaq River; SID AK 0203-17AA

Pursuant to AS 16.05.840, the Alaska Department of Fish and Game (ADF&G) has reviewed your proposal to make multiple crossings at multiple sites (four) across the Quangeghsaq River with amphibious all-terrain vehicles. Timbers or poles may need to be placed in and adjacent to the stream to create better crossing sites that prevent ATVs from getting stuck and reduce damage to vegetation. Access is needed to cut down and remove hundreds of poles from abandoned utility lines. ADF&G received a description of the proposed project on March 19, 2002 and a more detailed description via email on April 3, 2002.

The Quangeghsaq River supports anadromous Dolly Varden (and possibly whitefish) and resident fish (e.g., Alaska blackfish) in the area of your proposed activity. Based upon our review of your plans, your proposed project may obstruct the efficient passage and movement of fish.

In accordance with AS 16.05.840, project approval is hereby given subject to the following stipulations:

- (1) Equipment crossings shall be made from bank to bank in a direction substantially perpendicular to the direction of stream flow.

Equipment crossings shall be made only at locations with gradually sloping banks. There shall be no crossings at locations with sheer or cut banks.

Banks shall not be altered or disturbed in any way to facilitate crossings. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion.

- (2) If timber/poles are placed in and adjacent to the stream to create a crossing site, they must be placed in such a way that free passage of fish is assured. In addition, all material shall be completely removed from the streambed and banks at the end of each work season. If needed, the streambed shall be recontoured to assure that "trenches" are not left that will trap fish at low-water levels.
- (3) Vehicle crossings shall be limited to only what is necessary to accomplish work.
- (4) No damming or diversions are permitted.

The permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment before beginning the activity. Any action taken by the permittee, or an agent of the permittee, that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G. Therefore, it is recommended that the ADF&G be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.840. This permit must be retained on site during construction. Please be advised that this approval does not relieve you of the responsibility of securing other permits, state, federal or local.

This permit provides reasonable notice from the commissioner that failure to meet its terms and conditions constitutes violation of AS 16.05.860; no separate notice under AS 16.05.860 is required before citation for violation of AS 16.05.840 can occur.

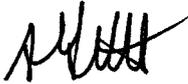
Pursuant to 6 AAC 80.010(b), the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Bering Straits Coastal District Program.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this permit (permittee) shall indemnify, save harmless, and defend the department, its agents and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect, if, and only if, the sole proximate cause of the injury is the department's negligence.

Sincerely,

Robert G. Bosworth, Deputy Commissioner



BY: Alvin G. Ott, Regional Supervisor
Habitat and Restoration Division
Alaska Department of Fish and Game

cc: Harry Bader, ADNR, Fairbanks
Pete McGee, ADEC, Fairbanks
Ann Rappoport, USFWS, Anchorage
Jeanne Hanson, NMFS, Anchorage
Don Kohler, ACOE, Anchorage
Todd Machecek, AST-FWP, Nome
Jennifer Wing, DGC, Anchorage
Chuck Degnan, BSCRSA, Unalakleet

AGO:nji

STATE OF ALASKA

**DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR AND WATER QUALITY
NON-POINT SOURCE WATER POLLUTION CONTROL**

TONY KNOWLES, GOVERNOR

555 Cordova Street
Anchorage, AK 99501-2617
PHONE: (907) 269-7564
FAX: (907) 269-7508
<http://www.state.ak.us/dec/>

**Certified Return Receipt
7099 3400 0016 8434 4206**

May 9, 2002

William Abadie
US Army Corps of Engineers
CEPOA-EN-CW-ER
PO Box 898
Anchorage, AK 99506

Subject: St. Lawrence Island, White Alice Site, Reference No. ER-02-10
State I.D. No. AK 0203-17AA

Dear Mr. Abadie:

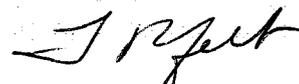
In accordance with Section 401 of the Federal Clean Water Act of 1977 and provisions of the Alaska Water Quality Standards, the Department of Environmental Conservation is issuing the enclosed Certificate of Reasonable Assurance for the proposed placement of fill within wetlands during remediation work at the Northeast Cape White Alice Site, St. Lawrence Island, Alaska.

This certification is one of the approvals required as part of a coastal management consistency determination issued by the Division of Governmental Coordination under AAC 50.070.

Department of Environmental Conservation regulations provide that any person who disagrees with any portion of this action may request an adjudicatory hearing in accordance with 18 AAC 15.200-920. This request should be mailed to the Commissioner of the Alaska Department of Environmental Conservation, 410 Willoughby Avenue, Suite 105, Juneau, Alaska 99801-1795. Please also send a copy of the request for hearing to the undersigned. Failure to submit a hearing request within thirty days of receipt of this letter constitutes a waiver of that person's right to judicial review of this action.

By copy of this letter we are advising the Division of Governmental Coordination of our actions and enclosing a copy of the certification for their use.

Sincerely,



Tim Rumpfelt
Environmental Specialist

Enclosure

cc: (with encl.)

Jennifer Nolan Wing, DGC Anchorage
F&WS

EPA, AK. Operations
ACMP, DNR/DOL

STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CERTIFICATE OF REASONABLE ASSURANCE

A Certificate of Reasonable Assurance, in accordance with Section 401 of the federal Clean Water Act and the Alaska Water Quality Standards, is issued to the US Army Corps of Engineers, Alaska District, CEPOA-EN-CW-ER, PO Box 898, Anchorage, Alaska 99506, for the proposed placement of fill into wetlands during a remediation action. An existing barge landing will be repaired. Stream crossings will be made at eleven different locations, some of which will require repair and maintenance including the installation of culverts and placement of fill materials. Debris holes and associated excavations located in wetlands will also be backfilled.

The proposed activity is located T25S, R54W, Kateel River Meridian, Northeast Cape, St. Lawrence Island, Alaska.

Public notice of the application for this certification was given as required by 18 AAC 15.180.

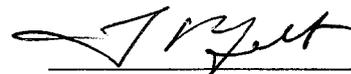
Water Quality Certification is required under Section 401 because the proposed activity will be authorized by a Corps of Engineers permit identified as ER 02-10, and a discharge may result from the proposed activity.

Having reviewed the application and comments received in response to the public notice, the Alaska Department of Environmental Conservation certifies that there is reasonable assurance that the proposed activity, as well as any discharge which may result, will comply with applicable provisions of Section 401 of the Clean Water Act, the Alaska Water Quality Standards, 18 AAC 70, and the Standards of the Alaska Coastal Management Program, 6 AAC 80, provided that the following stipulations are adhered to. These stipulations were adopted pursuant to 6 AAC 50 (Project Consistency with the Alaska Coastal Management Program) and are necessary to ensure that your project is consistent with the ACMP:

1. Methods shall be implemented to filter or settle out suspended sediments from all construction related wastewater, including that resulting from dewatering activities, prior to its direct or indirect discharge into any natural body of water.
2. Materials such as sorbent pads and booms shall be available on-site, and shall be used to contain and cleanup any petroleum product spilled as a result of this activity.
3. Culvert installations and removals shall not occur within the flowing waters of the stream. Techniques such as stream diversion, dam and pump, or stream fluming shall be incorporated into the installation/removal activity to insure that silt laden water is not carried into sensitive fish habitat.
4. Design plans for camps' sewage and water systems shall be approved by the Alaska Department of Environmental Conservation, prior to installation of the same.

Date

8/9/02



Tim Rumpfelt
Environmental Specialist

ACTION MEMORANDUM
FOR
WHITE ALICE SITE REMOVAL ACTION, NORTHEAST CAPE
St. LAWRENCE ISLAND, ALASKA

1. PURPOSE

This Action Memorandum was prepared to document approval for implementing non-time-critical removal actions at the Northeast Cape site on St. Lawrence Island, Alaska.

2. SITE CONDITIONS AND BACKGROUND

An evaluation of the removal action can be found in the USAED Alaska District document titled Engineering Evaluation and Cost Analysis (EE/CA), Environmental Assessment and Finding of No Significant Impact, White Alice Site Removal Action, Northeast Cape, St. Lawrence Island, Alaska, dated March 2002. The document is hereafter termed EE/CA-EA.

The Northeast Cape site is on St. Lawrence Island in the Bering Sea, near territorial waters of Russia, approximately 135 air miles southwest of Nome, Alaska. The site is between Kitnagak Bay to the northeast and Kangighsak Point to the northwest. The Kinipaghulghat Mountains bound the southern portion of the site. The site is located at 63 degrees, 20 minutes north latitude, by 168 degrees, 59 minutes west longitude, in Township 25 South, Range 54 West, Kateel River Meridian.

The history of the site is summarized in Section 1 of the EE/CA-EA, including use of the site as an Aircraft Control and Warning Station and White Alice Communications facility. Section 1 also describes the environmental investigation and removal actions that have already taken place at the site. Prior actions have been conducted by the Navy and by Alaska District to remove selected items from the site, primarily containerized hazardous and toxic waste (CON/HTW), buildings, and debris. Additionally, remedial investigation activities have been conducted throughout the past decade, and are ongoing.

Buildings, utilidors, and a tram remain at the site. They are in disrepair; some in a state of collapse. Some buildings are constructed with asbestos-containing materials, and some buildings hold CON/HTW items. Polelines, wires, cables, and debris exist at the site that represent physical safety hazards. The site characteristics are described in Section 2 of the EE/CA-EA. Site maps are provided in the EE/CA-EA as Figures 1 through 4, and A-1 through A-6. The items to be removed are located on mountain-sides, the mountain-top, and lowland areas between the base of the mountain and the Bering Sea.

The local climate is challenging. Wind and rain are common during the summer field season. Cloud-cover obscures view of the facilities at the top of the mountain most of the time. Access to the site is complicated. An airstrip exists for charter air service; scheduled commercial air service is not available. The site is accessible by lightering barge. The existing cat trail that extends up to the mountain-top facilities is steep, un-maintained, and will need to be upgraded if it will be used for this removal action.

The Northeast Cape site is not on the National Priority List (NPL). Regulatory oversight is provided by the Alaska Department of Environmental Conservation (ADEC). Additionally, a memorandum of agreement is in place between the Alaska District and the State Historic Preservation Office (SHPO). Local community involvement is facilitated by an ongoing Restoration Advisory Board (RAB) that meets on St. Lawrence Island at least twice per year.

3. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT

CON/HTW items could eventually degrade or be physically disrupted causing contaminant release to the surrounding environment. This would add to contamination already identified in the soil

and water at localized areas of the site. Humans using the area and the area's biological resources could potentially be exposed to contaminants. Contaminants in soil and water have the potential to migrate via surface water and groundwater flow, or as wind-borne particles.

Polelines, wire and cable at the site represent physical safety hazards to animals and people traveling through the area. Wires have snared and killed reindeer. Miscellaneous debris and collapsing utilidors similarly pose physical safety hazards.

4. ENDANGERMENT DETERMINATION

The Alaska District has determined that an interim removal action is warranted to mitigate the potential threat to human health and the environment associated with exposure to the on-site materials.

5. PROPOSED ACTION AND ESTIMATED COSTS

A description of the proposed action for Building Demolition and Debris Removal (BD/DR) and CON/HTW removal is provided in Section 3 of the EE/CA-EA. Items to be removed from the top of the mountain include a "Radome" structure, living quarters, upper tram building, covered causeway and cable car enclosure extending between buildings, transformer building, water tanks and aboveground fuel storage tanks, septic system, and various other items and scattered debris. A water pipe and tram system that extend from the lower mountain-side to the mountain-top will be removed, including tram towers, cables, wires and other associated items. The lower tram building will be removed, along with associated tanks, water wells, and appurtenances. The White Alice Communications site that exists on the lower mountain-slope will be removed, including the Main Electronic Center (MEC) building, garage, four White Alice Communication antenna towers and associated communication appurtenances, septic system, fuel distribution lines and aboveground storage tanks, and various other items and debris. Utilidors and the septic system will be removed from the former AFS Operations Area, located at the base of the mountain. Numerous polelines, wire, cables, guy anchors and other debris will be removed from the low wetland areas between the beach and the base of the mountain. To accomplish the scope of work, access improvements are needed for the cat trail up the mountain, existing roads, the barge landing area, and stream crossings.

Section 2 of the EE/CA-EA provides a listing of Applicable or Relevant and Appropriate Requirements (ARARs) and To Be Considered factors (TBCs) for the work. These include chemical-specific, location-specific and action-specific ARARs and TBCs.

The EE/CA-EA presents identification and evaluation of various alternatives to the project approach. From an overall project standpoint, the following alternatives are considered: a) no action; b) full action as specified; and c) partial removal action prioritized based on degree of hazard. Some specific work categories consider unique alternatives. Regarding disposal of demolition debris, both offsite and onsite disposal alternatives were considered, including recycling and onsite disposal of scrap metal. Regarding petroleum contaminated soil, alternatives for offsite treatment, onsite treatment, and deferring treatment to the remedial action phase were evaluated. Finally, methods of volume or mass reduction were considered, including onsite burning and crushing/grinding of debris. Alternatives are evaluated using criteria from the EPA document titled Guidance on Conducting Non-Time-Critical Removal Actions Under CERCLA, dated August 1993. These include effectiveness, implementability, and cost, along with various additional sub-criteria. A comparative analysis of alternatives is presented in tabular format.

Rough-order-of-magnitude (ROM) cost estimates for the alternatives are documented in Appendix B of the EE/CA-EA. These ROM estimates suggested a total cost of between \$11 Million and \$13 Million for the scope of work presented in the document. However, public comments on the EE/CA identified flaws in some of the estimates, as described below. The estimated costs have subsequently been refined during the project design process; however they are not available for distribution at this time because the removal action project is currently under solicitation.

Based on the evaluation, removal action is recommended. Offsite disposal of debris is the preferred disposal approach. Disposal of scrap metal should allow for metal recycling. However, recycling of painted metal is restricted due to regulated compounds in the paint. Petroleum contaminated soils will be placed back into their source excavations for temporary storage; mitigation of this soil will be implemented under the overriding RI/FS and remedial action program. Burning of non-painted, non-treated wood will be allowed, subject to all applicable restrictions of a burn permit. Crushing/grinding of debris to reduce volume will be allowed for materials that do not contain asbestos.

The removal action is planned for the period between July 2002 and July 2006, and is subject to availability of funding.

6. EXPECTED CHANGES IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

The recognized hazards to the public and resources will remain if action is not taken. Buildings will continue to deteriorate, presenting physical safety hazards and the potential for release of asbestos to the environment. Identified CON/HTW could potentially be released to the environment. Physical safety hazards presented from existing pole lines, wires, cables, and debris would remain.

7. OUTSTANDING POLICY ISSUES

This removal action is funded under the Formerly Used Defense Site (FUDS) program. The program is described in the U.S. Army Corps of Engineers document titled DERP-FUDS Program Manual, EC-200-3-7, dated 30 September 1999. Actions must comply with eligibility criteria of the program.

As indicated below, comments were received regarding the potential for disposing of debris in an onsite landfill/monofill. Funding availability under the FUDS program can be intermittent. Therefore, project actions and approaches under FUDS generally attempt to minimize long-term Government liability. The program cannot guarantee funding availability to address issues that arise in the future. In this context, it is not standard policy for the Alaska District to create and own landfills/monofills under FUDS removal actions because of the inherent long term Government liability they could invoke. Any action involving creation of a landfill or monofill would need to be carefully structured to prevent Government ownership of the landfill/monofill and the materials contained in the facility, and prevent Government liability for future monitoring, operation, or maintenance of the facility after conclusion of the funded removal action.

8. RECOMMENDATION

The EE/CA-EA document underwent public review, and various public comments were received. All public comments were reviewed and taken into consideration by Alaska District. Formal comment responses are currently being prepared.

The EE/CA-EA presents a non-time-critical interim removal action primarily associated with BD/DR and CON/HTW removal. The action is proposed as a discrete work phase under an overriding remedial investigation and feasibility study (RI/FS), and remedial action program. Risk assessment is also being conducted under the RI/FS program. The RI/FS is being performed concurrently with the interim removal action, and the results of the RI/FS are not yet available. Many of the public comments relate to HTRW issues that are being addressed separately under the RI/FS and remedial action program, and are not directly applicable to the interim removal action described in this EE/CA-EA. Other public comments provide helpful input regarding work that should be incorporated into the interim removal action to augment the concurrent RI/FS work, such as additional sampling while excavations are open. These comments have been taken into consideration and can be implemented by available contracting methods. Some public comments relate to items or issues that are outside the scope of the interim removal action described in the EE/CA-EA; these issues will be addressed under future work.

Additional public comments were received that are related to the accuracy of the ROM cost estimates presented in the EE/CA-EA. These estimates were used in evaluating off-site disposal of demolition debris versus on-site disposal in a monofill. Specifically, comments indicated that off-site transportation costs used in the ROM cost estimates were low, and estimated costs presented for implementing an on-site monofill approach may be high, depending on regulatory requirements. Alaska District conducted additional research into off-site transportation costs, and found that the transportation cost estimates used in the EE/CA-EA were low. However community acceptance and long-term liability issues favored the off-site disposal. Although comments on the EE/CA-EA indicate that the native corporations are now willing to accept an onsite monofill approach, community concerns and the critical issue of long term Government liability remain. Consequently, the comments regarding estimated costs and the results of additional cost research, while appreciated, do not change the decision to proceed with the interim removal action as presented in the EE/CA-EA.

I have determined that the non-time-critical interim removal actions at the Northeast Cape site on St. Lawrence Island, Alaska, recommended in Section 3 of the EE/CA-EA, are warranted to mitigate risk to public health and welfare and the environment, and these removal actions will be implemented.



Steven T. Perrenot
Colonel, Corps of Engineers
District Engineer

19 JUN 2002

Date

Environmental Quality Control/Quality Assurance Report

(ER 415-1-302)

Contract Number / Delivery Order Number UPC/Project Title

CQC Report Number Date or Time Period Location and Team

Weather Conditions Contractor

Temp Low Temp Hi
Wind Speed Conditions

Quality Control Inspections Performed This Date (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory see attached checklist
Initial see attached checklist
Follow-Up Observations/Comments made this day for Follow-Up phase inspections:

Deficiencies Noted and/or Corrected This Day (Include corrective actions taken and anticipated date of correction if carried over past COB.)

Field Sampling and Testing

Has field testing been performed this date? Yes No

Type of test Method/Matrix Quantity of samples Results

Have Data Quality Objectives been achieved? Yes No

Have Samples Been Collected for Laboratory Analysis? Yes No

Type of Test EPA Test Method/Matrix Quantity of Samples

Have required amount of QC trip blanks and rinsates been achieved? Yes No

Have appropriate QC laboratory tests been ordered ? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes No

Have QA and QC samples been collected in the specified quantity? Yes No

Have samples been properly labeled and packaged? Yes No

Health and Safety

Worker protection levels this date: Level A Level B Level C Level D N/A

Was any work activity conducted within a confined space? Yes No

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes No

Were approved decontamination procedures used on workers and equipment as required? N/A Yes No

Was a Job Safety Meeting held this day? Yes No

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes No

Was hazardous waste/materials released into the environment? Yes No

Safety Comments: (Include any infractions of approved safety plan, and include instructions from Government personnel. Specify corrective action taken.)

Work Activities Performed This Date

Reference (WIP/WBS/NAS No.) Activity & Location Quantity Contractor

Government Quality Assurance Comments

Was QA Testing Performed this Day?

Yes No

Concurs with the QC report?

Yes No

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature _____ Date _____ Supervisor's Initial _____ Date _____

ATTACHMENT 14 – TANK SCRAP METAL INFORMATION

TANK NUMBER	CURRENT LOCATION	ORIGINAL LOCATION	PAINTED?	COLOR	PAINT SAMPLE NUMBER	PAINT SAMPLE RESULTS (ppm)	COMMENTS
Group 1 Tanks							
Tank 100S-1	Piles E of AFS Operations Area	Site 18	Yes	Gray paint	AST-100S-001	Lead - 2230 PCB - 11.78	
Tank 102-1	Piles E of AFS Operations Area		Yes	Red paint	AST-102-001	Lead - 305 PCB - .821	
Tank # 13-7	Piles E of AFS Operations Area	Building 110	No	NA	None	NA	
Tank 13-12	Piles E of AFS Operations Area	Building 110	Yes	grey/silver	ASTPAINT-13-12-001 and QC-46	Lead - 53,600 PCB - 13.9	Suspect paint to be ACM.
Tank 13-9	Piles E of AFS Operations Area	Building 110	No	NA	None	NA	
Tank 13-10	Piles E of AFS Operations Area	Building 110	Yes	grey/silver	ASTPAINT-13-10-001	Lead - 42,400 PCB - 6.03	Suspect paint to be ACM. Analysis results from tank 13-2 will determine disposal method for this tank.
Tank 13-11	Piles E of AFS Operations Area	Building 110	No	NA	None	NA	
Tank 13-8	Piles E of AFS Operations Area	Building 110	Yes	silver, yellow, grey surface	ASTPAINT-13-8-001	Lead - 1140 PCB - 1.88	multi-layers of paint, up to 95% gone (flaked away)
Tank 13-13	Piles E of AFS Operations Area	Building 110	Yes	red, grey	ASTPAINT-13-13-001	Lead - 5,420 PCB - 12.0	Minor amounts of paint, not much left.
Tank 13-15	Piles E of AFS Operations Area	Building 110	Yes	red, yellow, grey	ASTPAINT-13-15-001	Lead - 5,320 PCB - 11.6	Multi-layers of paint.

Tank 13-14	Piles E of AFS Operations Area	Building 110	No	NA	None	NA	
Group 2 Tanks							
Site 2 (1,000-gallon)	Piles E of AFS Operations Area	Site 2	<1%	NA	None		Used to contain diesel.
Site 3 (500-gallon)	Piles E of AFS Operations Area	Site 3	<1%	NA	None	(MW)Lead - ND	Used to contain diesel.
Site 3 (335-gallon)	Piles E of AFS Operations Area	Site 3	<1%	NA	None	(MW)Lead - ND	Used to contain diesel.
Site 4 (15,000-gallon)	Piles E of AFS Operations Area	Site 4	<5%	Red	None	(MW)Lead - 1,100	Used to contain diesel.
Site 4 (400-gallon) Case 12	Piles E of AFS Operations Area	Site 4	25%	Blue	PWT-4-2-001	(MW)Lead - 2,100 PCB - 6.8	Used to contain water.
Site 6 (500-gallon trailer mount)	Piles E of AFS Operations Area	Site 6	10%	Red	PWT-6-1-001	(MW)Lead - 42,000	Used to contain water. Removed in 2000.
Tank 11-1 (400,000 gallon)	Piles NE of AFS Operations Area	Site 11	90%	Black	None	(MW) Lead - 1,400	Empty. Used to contain diesel. Needs PCB analysis. Analysis results for tank 11-1 will determine disposal for 11-1, 11-2, and 11-3.
Tank 11-2 (400,000 gallon)	Piles NE of AFS Operations Area	Site 11	90%	Black	None	(MW)Lead - 920	Used to contain diesel. Analysis results for tank 11-1 will determine disposal for 11-1, 11-2, and 11-3.
Tank 11-3 (400,000 gallons)	Piles E of AFS Operations Area	Site 11	90%	Black	None	MW(Lead) - 1,200	Empty used to contain diesel. Analysis results for tank 11-1 will determine disposal for 11-1, 11-2, and 11-3.

Site 12 (30,000 gallon) Tank	Piles E of AFS Operations Area	Site 12	81%	Orange	None		Used to contain leaded gasoline.
Site 12 (15,000 gallon)	Piles E of AFS Operations Area	Site 12	1%		None	(MW) Lead - 64,000	Used to contain leaded gasoline
Site 13 (204,000 gallon) Tank 13-6	Piles E of AFS Operations Area	Site 13	Yes	Silver Paint	PWT - 13-6-001 & QC45	PCB - 109 and 309 ppm (MW) Lead - 100,000	Used to contain water.
Site 13 (500 gallon water pressure)	Piles E of AFS Operations Area	Site 13	No	NA	None	(MW) Lead - 110,000	Used to contain water. Empty pressure tank
Site 13 (20,000 gallon UST)	Piles E of AFS Operations Area	Site 13	No	NA	None		Used to contain fuel.
Site 13 (5,000 gallon)	Piles E of AFS Operations Area	Site 13	No	NA	None	(MW) Lead - 100,000	Used to contain diesel
Site 13 (5,000 gallon UST)	Piles E of AFS Operations Area	Site 13	No	NA	None		Used to contain diesel
Site 14 (5,000 gallon)	Piles E of AFS Operations Area	Site 14	<1%		None	(MW) Lead - 49,000	Used to contain diesel.
Site 16 (1,000 gallon)	Piles E of AFS Operations Area	Site 16	<5%	Orange	None	(MW) Lead - 140,000	450 gallons of oily water removed.
Site 18 (1,000-gallon water tank 1 of 2)	Piles E of AFS Operations Area	Site 18	No		None		Used to contain water. Empty
Site 18 (1,000-gallon water tank 2 of 2)	Piles E of AFS Operations Area	Site 18	Asbestos Covered		None		
Site 19 (250 gallon)	Piles E of AFS Operations Area	Site 19	50%	Yellow Paint	PWT-19-2-001	PCB - 1.74 (MW) Lead 4,100	Used to contain water. Could be pressurized.
Site 19 (250 gallon)	Piles E of AFS Operations Area	Site 19	<2%	Red	None	PCB - 2.68 (MW) Lead - 93,000	Antifreeze tank

Site 22 (60,000 gallon)	Piles E of AFS Operations Area	Site 22	Yes	Orange	PWT - 22-001	PCB - 1.29 (MW) Lead - 83,00-110,000	Used to contain water.
Site 22 (500 gallon UST)	Piles E of AFS Operations Area	Site 22	No	NA			Used to contain diesel. UST Removal
Group 3 Tanks							
Site 2 (red inside terminal bldg)	Piles E of AFS Operations Area.	Site 2 Inside utility room of Airport Terminal Building.	100%	Red			Could be pressure tank.
Site 2 (white water heater tank)	Piles E of AFS Operations Area.	Site 2 Inside utility room of Airport Terminal Building.					
Site 18 (Mess hall)	Piles E of AFS Operations Area		50%	Off-white			

ATTACHMENT 15 – LIST OF EXHIBITS

Exhibit No.	Subject	Title	Location	Drawing No.	Date	Sheet	Comments
01	Location & Vicinity	A C & W Station, Location & Vicinity Maps	St. Lawrence Island, Alaska	File No. 18-04-01, # 000078	1950	1	Location & Vicinity
02	Topography & Hydrology	A C & W Station, General Plan	St. Lawrence Island, Alaska	File No. 18-04-02, # 000080	1950	1	Information about area streams, lakes, and mountain topography.
03	Hydrographic Information	A C & W Station, Hydrographic Chart	St. Lawrence Island, Alaska	File No. 18-04-05, # 000091	1950	1	Hydrographic Information
04	Tram	Repair & Construction of Aerial Tramway, Index	Northeast Cape A.F.S., Alaska	AS-BLT AW 16-06-1659	1963		Index of Drawings
05	Tram	Repair & Construction of Aerial Tramway, Location and Vicinity Map	Northeast Cape A.F.S., Alaska	AS-BLT AW 16-06-1659			Location and Vicinity Map
06	Location & Vicinity	Alter Electrical Distribution Line and Modify Radar Tower, Location & Vicinity Map	Northeast Cape A.F.S., Alaska	AS-BLT 16-06-1737		1 of 1	Location and Vicinity Map
07	Water Distribution	Water Storage Tank, Water Distribution, Site Plan	Northeast Cape A.F.S., Alaska	AW71-05-518		1 of 5	Information about water storage tank at Site 34 and water line up the mountain.
08	AFS Utilidors	Alaska Air Commend, Master Plan, Liquid Fuel and Central Heating	Northeast Cape A.F.S., Alaska		1963	1 of 3	Tab G-2
09	AFS Utilidors	Alaska Air Commend, Master Plan, Sanitary and Storm Drainage, Water Supply System	Northeast Cape A.F.S., Alaska		1963	1 of 3	Tab G-1

Exhibit No.	Subject	Title	Location	Drawing No.	Date	Sheet	Comments
10	AFS Utilidors	Alaska Air Commend, Master Plan, Electrical, Lighting, and Communications	Northeast Cape A.F.S., Alaska		1963	1 of 3	Tab G-3
11	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	1 of 9	Actual cat trail location differs from "possible" location shown on drawing.
12	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	2 of 9	Tram route topography. Actual cat trail location differs.
13	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	3 of 9	Actual cat trail location differs. Assume cat trail on this sheet does not exist.
14	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	4 of 9	Pole Line #6. Actual cat trail location differs.
15	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	5 of 9	Actual cat trail location differs. Dam does not exist.
16	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	6 of 9	Cat trail shown extending north to airstrip does not exist.
17	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	7 of 9	Actual airstrip dimensions differ. See Sheet D-1.
18	Topography	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	8 of 9	Beaching area.
19	Test Pit Soil Logs	Topographical Map - Test Pits & Future Development, AC&W Station	St. Lawrence Island, Alaska	18-04-04	1950	9 of 9	Test pit soil logs.

Exhibit No.	Subject	Title	Location	Drawing No.	Date	Sheet	Comments
20	Drawing Index	Northeast Cape Index	St. Lawrence Island, Alaska	15-04-131	1963	1 of 1	Index of Drawings. Note sheet numbers do not match index. Use grid coordinates.
21	Topography	Northeast Cape Air Force Station Topography	St. Lawrence Island, Alaska	15-04-131	1957	M-7	Site 33 and Site 34. Note sheet numbers do not match index. Use grid coordinates.
22	Topography	Topography Sheet 6	N.E. Cape, Alaska	15-04-131	1959	M-11	Note sheet numbers do not match index. Use grid coordinates.
23	Topography	Topography Sheet 5	N.E. Cape, Alaska	15-04-131	1959	M-12	Borrow Area. Note sheet numbers do not match index. Use grid coordinates.
24	Topography	Topography Sheet 3	N.E. Cape, Alaska	15-04-131	1959	M-13	Note sheet numbers do not match index. Use grid coordinates.
25	Topography	Topography Sheet 1	N.E. Cape, Alaska	15-04-131	1963	M-14	AFS Operations Area. Note sheet numbers do not match index. Use grid coordinates.
26	Topography	Northeast Cape Air Force Station Topography	N.E. Cape, Alaska	15-04-131	1965	N-8	Note sheet numbers do not match index. Use grid coordinates.
27	Topography	Topography Sheet 4	N.E. Cape, Alaska	15-04-131	1959	N-13	Note sheet numbers do not match index. Use grid coordinates.
28	Topography	Topography Sheet 2	N.E. Cape, Alaska	15-04-131	1959	N-14	Note sheet numbers do not match index. Use grid coordinates.
29	Topography	Northeast Cape Air Force Station Topography	N.E. Cape, Alaska	15-04-131	1968	O-8	Note sheet numbers do not match index. Use grid coordinates.

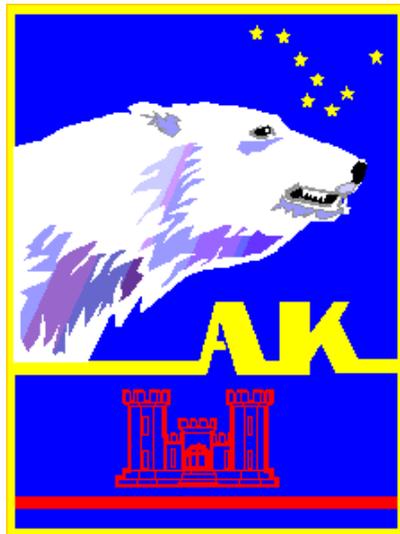
Exhibit No.	Subject	Title	Location	Drawing No.	Date	Sheet	Comments
30	Topography	Northeast Cape Air Force Station Topography	N.E. Cape, Alaska	15-04-131	1965	O-9	Lower Tram Bldg. Note sheet numbers do not match index. Use grid coordinates.
31	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	1 of 15	
32	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	2 of 15	Polelines.
33	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	3 of 15	Polelines.
34	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	4 of 15	Polelines.
35	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	6 of 15	Cargo Beach Road.
36	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	5 of 15	Cargo Beach Road and beaching area.
37	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	7 of 15	Access road to airstrip.
38	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1961	8 of 13	Access road to airstrip and south end of airstrip.
39	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1961	9 of 13	North end of airstrip.
40	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	10 of 15	Polelines.
41	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	11 of 15	Roads and Polelines.
42	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	12 of 15	Polelines.
43	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	13 of 15	AFS Operations Area.
44	Topography	Northeast Cape Topography	St. Lawrence Island, Alaska	15-04-194	1963	14 of 15	AFS Operations Area.

Exhibit No.	Subject	Title	Location	Drawing No.	Date	Sheet	Comments
45	Topography	Northeast Cape Air Force Station Topography	St. Lawrence Island	15-04-194	1957	15 of 15	
46	Water Distribution	Water Storage Tank, Water Distribution, Sections, Details	Northeast Cape, A.F.S., Alaska	AW71-05-518		4 of	Information about CMP Water Collector

ATTACHMENT 16
W911KB-04-R-0018

Alaska District Corps of Engineers Environmental Program

Manual for Electronic Deliverables



January 2003

United States Army Corps of Engineers
Alaska District
P. O. Box 6898
Elmendorf AFB, Alaska 99506-6898

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1. INTRODUCTION

Alaska District Corps of Engineers manual of electronic delivery standards is provided to aid Alaska District staff, contractors, and architect-engineer (AE) firms in preparing submittals for the environmental program.

The preferred method of submitting electronic deliverables to the Alaska District (environmental program) is on CD-ROM with a specified directory structure. The final electronic submittal should contain at a minimum the following formats: The entire document as an Adobe Portable Document Format (PDF), **AND** an easily editable version of all the documents components e.g. Microsoft Word, Excel, Access, AutoCAD, etc. formats.

Throughout this manual, standards for software are provided by brand name only. All electronic deliverables will be provided in the software version in which the Alaska District has adopted as their own internal standard. Thus, it is imperative that prior to delivery of any electronic deliverable, contractors and architect-engineer firms contact the project manager to determine the current standards being implemented throughout the Alaska District.

Not all electronic deliverables specified in this manual are required of all projects—refer to the individual contract or scope of work, whichever applies. CD-ROM deliverables may be requested in an interactive format, wherein text, figures, photos, etc. are linked to one another. The interactive file will be provided in Adobe Portable Document Format (PDF), which is discussed further in Section 2. The specifics and degree of interactivity will be specified in the scope of work (SOW).

2. TEXT AND TABLES

2.1 STANDARD

Text submitted by contractors and AE firms to the Alaska District environmental branch shall be provided in two formats (unless otherwise specified in the SOW or Contract):

- Microsoft Word[®] and Microsoft EXCEL[®] - all drafts and final
- Adobe Portable Document Format (PDF) draft and final, unless otherwise requested.

All documents shall be submitted in the Microsoft Office[®] format. All EXCEL[®] tables shall include the equations and inputs that are required to generate the tables.

PDF standard applies only to those documents that are considered final (i.e., the last document that is not intended to be altered or undone) or Authenticated (i.e., a document being confirmed true, genuine, bona fide by signature or other established methods of confirmation or ratification). It should be noted that the PDF standard is not required of work-in-progress or informational products that require continued modification, unless otherwise specified by the project manager or SOW.

CD-ROM deliverables may be requested in an interactive format, wherein; text, figures, photos, etc. are linked to one another. This interactive file will be provided in PDF and can be produced in Adobe Acrobat. The specifics and degree of interactivity will be specified in the SOW.

3. PHOTOGRAPHS, IMAGES AND PICTURES

3.1 STANDARD

If electronic photographic media are required, they will be provided to the Alaska District environmental branch in the following formats:

- Compatible with Imaging for Windows® by Kodak
- Tagged Image File Format (TIFF) and/or JPG

If standard film photography is used, during development all photos will be transferred to CD-ROM by the photo-processor. If digital photography is used, all photographs will be saved in TIFF and/or JPG format and supplied on CD-ROM.

Images incorporated into other file types (i.e., Text, CADD, Plans and Specifications, etc.) will use the TIFF and/or JPG format and be supplied as they are represented.

4. CADD (COMPUTER AIDED DESIGN AND DRAFTING)

4.1 STANDARD

Figures and Drawing files that portray site information and data will be provided in the following formats:

- AutoCad Version 2000i - drafts and final
- Adobe Portable Document Format (PDF) draft and final, unless otherwise requested.
- CALS (Continuous Acquisition and Life-Cycle Support) - for final plans and specifications for design and construction only, unless otherwise requested.

CADD figures and drawings should utilize a singular model space for information contained within plan view site maps.

CADD files, which are included in a document, will also be provided in PDF. These CADD files will be included with the text PDF document and placed in the same order in which they appear in the hard-copy version of the report.

CALS is short for Continuous Acquisition and Life-Cycle Support. CALS is a Department of Defense (DOD) and industry strategy to improve creation, management, exchange, and use of digital data. Its primary goal is to facilitate evolution from manual, paper-intensive operations to highly integrated and automated acquisition and support processes. CALS was initiated by the DOD in 1985 in response to high costs, problems with inaccuracy, and long lead time for development of documentation.

The CALS format is used at all Corps organizational levels for the electronic interchange of final and/or authenticated raster-based images associated with technical drawings required for project design and construction. CALS standard applies only to those documents that are considered final (i.e., the last document that is not intended to be altered or undone). The CALS standard is not required of work-in-progress or information products that require continued modification unless otherwise specified.

5. SURVEY DATA

5.1 STANDARD

Survey data will be provided to the Alaska District environmental program in two formats:

- Microsoft Excel format (survey control monumentation)
- ASCII tab-delineated file formats (survey points other than monuments)

All survey data shall be provided electronically on CD-ROM along with all field notes, sketches, recordings, and computations made by the contractor or subcontractor in establishing the survey.

Columns A through F are required for all survey monuments within a specific site. The necessity for columns G through S will be determined on an individual project site basis. Please note that all column headers should be used when setting up the spreadsheet even if information has not been provided.

Column A	ID (Numerical Identifier within location)
Column B	Location (i.e., Place Name, Alaska)
Column C	Quad Location (USGS Quad Number)
Column D	Agency (Agency that set the monument)
Column E	Station Name (Alpha-Numeric Field Descriptor)
Column F	Date (4 Digit year)
Column G	Local Datum (Ft.)
Column H	Sealevel 1 (MSL) (Reference for G)
Column I	Vertical NGVD29 Elevations (Ft.)
Column J	Sealevel 2 (MSL) (Reference for I)
Column K	Vertical NAVD88 Elevations (Ft.)
Column L	Horizontal Local Grid Northing (US Survey Foot)
Column M	Horizontal Local Grid Easting (US Survey Foot)
Column N	Alaska State Plane Zone (1-10)
Column O	Horizontal NAD 27 Coors Northing (US Survey Foot)
Column P	Horizontal NAD 27 Coors Easting (US Survey Foot)
Column Q	Horizontal NAD 83 Coors Northing (meters)
Column R	Horizontal NAD 83 Coors Easting (meters)
Column S	Description (Annotated Description of Survey Point)

ASCII tab-delineated files will contain the x, y, and z coordinates for the survey point as well as a text descriptor relating the nature of the survey point. The coordinate system will be determined on a site-by-site basis.

Column A	X coordinate
Column B	Y coordinate
Column C	Z coordinate
Column D	text descriptor of survey point

NOTE: Survey data must be consistent with data represented in any CADD files provided to the Alaska District on the same project.

6. DIGITAL AUDIO AND VIDEO

6.1 STANDARD

All digital audio and video files supplied by contractors and AE firms to the Alaska District environmental program will be provided in a QuickTime® compatible format.

7. CHEMICAL DATA

7.1 STANDARD

All chemical data files supplied to the Alaska District will be provided in Electronic Data File (EDF1.2a). Certain projects may also require chemical data to support the Environmental Data Management System (EDMS1.2a). All electronic submittals must be error free.

The specifics of EDF and EDMS can be found at the Arsenault web page at www.arsenaultlegg.com.

8. PLANS AND SPECIFICATIONS

8.1 STANDARD

Engineering plans/drawings will be supplied to the Alaska District environmental program as previously outlined in Section 4.0. Specifications will be prepared using the SpecsIntact software package, which utilizes standard generalized markup language (SGML).

9. CD-ROM PRODUCTION GUIDELINES

9.1 VOLUME IDENTIFIER, DIRECTORY, AND FILE STRUCTURE

A maximum of 32 characters (limited to the character set of A to Z and 0 to 9) should be used to describe to contents of the CD-ROM for the volume identifier. The contract solicitation number is recommended as the appropriate volume identifier.

A directory and file structure is required even in the case where the Alaska District requests an interactive delivery format. Those files may be placed in a separate directory or on a separate CD-ROM.

9.2 ORGANIZATION

Data residing on CD-ROM should be organized in a logical fashion. Sub directories should be used rather than placing all of the data on the root directory. The root directory should be reserved for applications (i.e., viewers, self-extracting executable files, etc.) and read-me text. This organization is detailed below:



9.3 PACKAGING AND LABELING

Guidelines for the CD covers, labels and case inserts are determined on a project-by-project basis. Include a draft copy of the CD cover(s), label(s) and case insert(s) with the draft document for review, comments and edits.

It is recommended that the following information be incorporated on the cover and inserts.

<u>COVER and Label</u>	<u>INSERT</u>
Project Name, Title, Receiving Agency Name, etc.	CD-ROMs directory and any instructions
Date	
Contract Number	

Section E - Inspection and Acceptance

CLAUSES INCORPORATED BY FULL TEXT

52.246-13 INSPECTION--DISMANTLING, DEMOLITION, OR REMOVAL OF IMPROVEMENTS (AUG 1996)

(a) Unless otherwise designated by the specifications, all workmanship performed under the contract is subject to Government inspection at all times and places where dismantling or demolition work is being performed. The Contractor shall furnish promptly, and at no increase in contract price all reasonable facilities, labor, and materials necessary for safe and convenient inspection by the Government. The Government shall perform inspections in a manner that will not unduly delay the work.

(b) The Contractor is responsible for damage to property caused by defective workmanship. The Contractor shall promptly segregate and remove from the premises any unsatisfactory facilities, materials, and equipment used in contract performance, and promptly replace them with satisfactory items. If the Contractor fails to proceed at once in a workmanlike manner with performance of the work or with the correction of defective workmanship, the Government may (1) by contract or otherwise, replace the facilities, materials, and equipment or correct the workmanship and charge the cost to the Contractor and (2) terminate for default the Contractor's right to proceed. The Contractor and any surety shall be liable, to the extent specified in the contract for any damage or cost of repair or replacement.

(End of clause)

Section F - Deliveries or Performance

CLAUSES INCORPORATED BY FULL TEXT

52.211-11 LIQUIDATED DAMAGES--SUPPLIES, SERVICES, OR RESEARCH AND DEVELOPMENT (SEP 2000)

(a) If the Contractor fails to deliver the supplies or perform the services within the time specified in this contract, the Contractor shall, in place of actual damages, pay to the Government liquidated damages of \$1293.00 per calendar day of delay .

b) If the Government terminates this contract in whole or in part under the Default--Fixed-Price Supply and Service clause, the Contractor is liable for liquidated damages accruing until the Government reasonably obtains delivery or performance of similar supplies or services. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(c) The Contractor will not be charged with liquidated damages when the delay in delivery or performance is beyond the control and without the fault or negligence of the Contractor as defined in the Default--Fixed-Price Supply and Service clause in this contract.

(End of clause)

Section H - Special Contract Requirements

SCR'S

SECTION H
SPECIAL CONTRACT REQUIREMENTS

SCR-1 THRU SCR-6 NOT USED

SCR-7 CERTIFICATES OF COMPLIANCE:

Any certificates required for demonstrating proof of compliance of materials with specification requirements shall be executed in 3 copies. Each certificate shall be signed by an official authorized to certify in behalf of the manufacturing company and shall contain the name and address of the Contractor, the project name and location, and the quantity and date or dates of shipment or delivery to which the certificates apply. Copies of laboratory test reports submitted with certificates shall contain the name and address of the testing laboratory and the date or dates of the tests to which the report applies. Certification shall not be construed as relieving the Contractor from furnishing satisfactory material, if, after tests are performed on selected samples, the material is found not to meet the specific requirements.

SCR-8 THRU SCR-13 NOT USED

SCR-14 SPECIAL SAFETY REQUIREMENTS:

The Safety and Health Requirements Manual referenced in paragraph Accident Prevention of the Contract Clauses is amended as indicated below. Copies of the manual can be ordered from the Superintendent of Documents, Government Printing Office, Washington DC, phone 202-512-1800, FAX 202-512-2250.

a. Paragraph 01.A: Add new paragraph 01.A.12 Safety Engineer.

(1) Full-time, on-site, safety coverage by Contractors will be required when the contract work is specifically designated by the Contracting Officer as high hazard or requires full-time safety personnel due to size or complexity.

(2) If full-time safety personnel are required, the following conditions shall be met:

(a) The Contractor shall employ at the project site, to cover all hours of work, at least one Safety and Occupational Health person to manage the Contractor's accident prevention program. Duties which are not germane to the safety program shall not be assigned to the Safety and Health person(s). The principal safety person shall report to and work directly for the Contractor's on-site top manager, higher level official, or corporate safety office. The Safety and Health person(s) shall have the authority to take immediate steps to correct unsafe or unhealthful conditions. The presence of a Safety and Health person will not abrogate safety responsibilities of other personnel.

(b) Qualifications for Safety and Health person(s):

(1) Shall have a degree in engineering or safety in at least a four year program from an accredited school; or

(2) Shall have legal registration as a Professional Engineer or a Certified Safety Professional and, in addition, shall have been engaged in safety and occupational health for at least one (1) year of experience, no time being credited to this one (1) year unless at least fifty (50) percent of the time was devoted to safety and occupational health; or

(3) Shall have a degree other than that specified in (1) above and, in addition, shall have been engaged in safety and occupational health for at least three (3) years, no time being credited to these three (3) years unless at least fifty (50) percent of the time each year was devoted to safety and occupational health; or

(4) In lieu of a degree, shall have been engaged in safety and occupational health for at least five (5) years, no time being credited to these five (5) years unless at least fifty (50) percent of the time each year was devoted to safety and occupational health;

(5) First aid work is not creditable experience.

(c) The name and qualifications of the nominated safety person(s) shall be furnished to the Contracting Officer for acceptability and a functional description of duties shall be provided prior to the pre-work conference.

b. Paragraph 05.A.01: Add new paragraph 05.A.01 d.

d. Employers shall make reasonable efforts to accommodate employees with religious beliefs that may conflict with PPE requirements. However, when reasonable efforts to accommodate the employee's religious beliefs do not provide the necessary safe working environment (without PPE), then the employer shall require the employee to use the appropriate PPE or the employee will not be allowed to work in the area where he/she will be exposed to a hazard requiring such protection.

c. Paragraph 16.C: Add new paragraphs 16.C.21 and 16.C.22.

16.C.21. During personnel handling operations, load and boom hoist drum brakes, swing brakes, and locking devices such as pawls or dogs shall be engaged when the occupied platform is in a stationary working position.

16.C.22. During personnel handling operations, the load hoist drum shall have a system or device on the power train other than the load hoist brake, which regulates the lowering rate of speed of the hoist mechanism (controlled load lowering). Free fall is prohibited.

d. Paragraph 21.A.15: Add new paragraph 21.A.15 d.

d. Standard guardrails shall be installed on all intermediate floors and roofs, including flat roof areas more than 6 feet above adjacent areas, during construction or rehabilitation of the buildings. The use of safety nets and safety belts with life lines may be substituted on pitched roofs.

SCR-15 THRU SCR-23 NOT USED

SCR-24 SIGNAL LIGHTS:

The Contractor shall display signal lights and conduct its operations in accordance with the General Regulations of the Department of the Army and of the Coast Guard governing lights and day signals to be displayed by towing vessels with tows on which no signals can be displayed; vessels working on wrecks, dredges, and vessels engaged in laying cables or pipe or in submarine or bank protection operations, lights to be displayed on dredge pipe lines, and day signals to be displayed by vessels of more than 65 feet in length moored or anchored in a fairway or channel, and the passing by other vessels of floating plant working in navigable channels, as set forth in Commandant U.S. Coast Guard Instruction M16672.2, Navigation Rules: International-inland (COMDTINST M16672.2) of 33 CFR 81 Appendix A (International) and 33 CFR 84 through 33 CFR 89 (Inland) as applicable.

SCR-25 COMMUNICATION SECURITY:

All communications with DOD organizations are subject to COMSEC review. Contractor personnel shall be aware that telecommunications networks are continually subject to intercept by unfriendly intelligence organizations. The DOD has authorized the military departments to conduct COMSEC monitoring and recording of telephone calls originating from or terminating at DOD organizations. Therefore, civilian Contractor personnel are advised that any time they place a call to or receive a call from Alaska District offices or Resident Engineer offices located on military installations, they are subject to COMSEC procedures. The Contractor will assume the responsibility for ensuring wide and frequent dissemination of the above information to all employees dealing with official DOD information.

SCR-26 THRU SCR-35 NOT USED

SCR-36 TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER (ER 415-1-15, 31 Oct 1989):

1. This provision specifies the procedure for determination of time extensions for unusually severe weather in accordance with the Contract Clause entitled "DEFAULT (FIXED PRICE CONSTRUCTION)". In order for the Contracting Officer to award a time extension under this clause, the following conditions must be satisfied:

a. The weather experienced at the project site during the contract period must be found to be unusually severe; that is, more severe than the adverse weather anticipated for the project location during any given month.

b. The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without the fault or negligence of the Contractor.

2. The following schedule of monthly anticipated adverse weather delays is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the project location and will constitute the base line for monthly weather time evaluations. The Contractor's progress schedule must reflect these anticipated adverse weather delays in all weather dependent activities.

Monthly Anticipated Adverse Weather Delay Work Days Based on a 5-Day Work Week

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
22	20	22	21	0	0	3	9	3	6	21	22

3. Upon acknowledgement of the Notice to Proceed and continuing throughout the contract, the Contractor shall record on the daily CQC report, the occurrence of adverse weather and the resultant impact to normally scheduled work. Actual adverse weather delays days must prevent work on critical activities for 50 percent or more of the Contractor's scheduled work day. The number of actual adverse weather days shall include days impacted by actual adverse weather (even if adverse weather occurred in previous month), be calculated chronologically from the first to the last day in each month, and be recorded as full days. If the number of actual adverse weather days exceeds the number of days anticipated in Paragraph 2, above, the Contracting Officer will convert any qualifying delays to calendar days, giving full consideration for equivalent fair weather work days, and issue a modification in accordance with the Contract Clause entitled "DEFAULT (FIXED-PRICE CONSTRUCTION)".

SCR-37 THRU SCR-39 NOT USED

SCR-40 KEY PERSONNEL:

During the performance of this contract, no substitutions shall be made for individuals specifically identified in the Contractor's accepted proposal to perform key functions in the work, unless determined necessary by the Contracting Officer and approved in writing. Proposed substitutes shall have qualifications comparable to those of the persons being replaced.

SCR-41 THRU SCR-112 NOT USED

SCR-113 ENVIRONMENTAL LITIGATION:

(a) If the performance of all or part of the work is suspended, delayed, or interrupted due to an order of a court of competent jurisdiction as a result of environmental litigation, as defined below, the Contracting Officer, at the request of the Contractor, shall determine whether the order is due in any part to the acts or omissions of the Contractor or subcontractor at any tier not required by the terms of this contract. If it is determined that the order is not due in any part to acts or omissions of the Contractor or a subcontractor at any tier other than as required by the terms of this contract, such suspension, delay, or interruption shall be considered as if ordered by the Contracting Officer in the administration of this contract under the terms of the "Suspension of Work" clause of this contract. The period of such suspension, delay or interruption shall be considered unreasonable, and an adjustment shall be made for any increase in the cost of performance of this contract (excluding profit) as provided in that clause, subject to all the provisions thereof.

(b) The term "environmental litigation", as used herein, means a lawsuit alleging that the work will have an adverse effect on the environment or that the Government has not duly considered, either substantively or procedurally, the effect of the work on the environment.

--End of Special Contract Requirements--

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.202-1 Alt I	Definitions (Dec 2001) --Alternate I	MAY 2001
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 2003
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.211-18	Variation in Estimated Quantity	APR 1984
52.215-1	Instructions to Offerors--Competitive Acquisition	MAY 2001
52.215-2	Audit and Records--Negotiation	JUN 1999
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-10	Price Reduction for Defective Cost or Pricing Data	OCT 1997
52.215-11	Price Reduction for Defective Cost or Pricing Data--Modifications	OCT 1997
52.215-12	Subcontractor Cost or Pricing Data	OCT 1997
52.215-14	Integrity of Unit Prices	OCT 1997
52.217-5	Evaluation Of Options	JUL 1990
52.219-8	Utilization of Small Business Concerns	OCT 2000
52.219-9	Small Business Subcontracting Plan	JAN 2002
52.219-14	Limitations On Subcontracting	DEC 1996
52.219-16	Liquidated Damages--Subcontracting Plan	JAN 1999
52.222-3	Convict Labor	JUN 2003
52.222-4	Contract Work Hours and Safety Standards Act - Overtime Compensation	SEP 2000
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	APR 2002
52.222-35	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans	DEC 2001
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001
52.222-41	Service Contract Act Of 1965, As Amended	MAY 1989
52.222-44	Fair Labor Standards And Service Contract Act - Price Adjustment	FEB 2002
52.223-3	Hazardous Material Identification And Material Safety Data	JAN 1997
52.223-6	Drug-Free Workplace	MAY 2001
52.223-9	Estimate of Percentage of Recovered Material Content for EPA-Designated Products	AUG 2000
52.223-14	Toxic Chemical Release Reporting	AUG 2003
52.225-13	Restrictions on Certain Foreign Purchases	JAN 2004
52.225-15	Santioned European Union Country End Products	FEB 2000
52.227-1	Authorization and Consent	JUL 1995
52.228-1	Bid Guarantee	SEP 1996

52.228-2	Additional Bond Security	OCT 1997
52.228-5	Insurance - Work On A Government Installation	JAN 1997
52.228-14	Irrevocable Letter of Credit	DEC 1999
52.229-3	Federal, State And Local Taxes	APR 2003
52.232-1	Payments	APR 1984
52.232-8	Discounts For Prompt Payment	FEB 2002
52.232-9	Limitation On Withholding Of Payments	APR 1984
52.232-11	Extras	APR 1984
52.232-17	Interest	JUN 1996
52.232-18	Availability Of Funds	APR 1984
52.232-23	Assignment Of Claims	JAN 1986
52.232-25	Prompt Payment	OCT 2003
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	OCT 2003
52.233-1	Disputes	JUL 2002
52.233-3	Protest After Award	AUG 1996
52.236-2	Differing Site Conditions	APR 1984
52.236-6	Superintendence by the Contractor	APR 1984
52.236-7	Permits and Responsibilities	NOV 1991
52.236-9	Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements	APR 1984
52.236-10	Operations and Storage Areas	APR 1984
52.236-13	Accident Prevention	NOV 1991
52.236-26	Preconstruction Conference	FEB 1995
52.237-1	Site Visit	APR 1984
52.242-13	Bankruptcy	JUL 1995
52.242-14	Suspension of Work	APR 1984
52.242-15	Stop-Work Order	AUG 1989
52.243-4	Changes	AUG 1987
52.243-5	Changes and Changed Conditions	APR 1984
52.244-6	Subcontracts for Commercial Items	APR 2003
52.245-6	Liability for Government Property (Demolition Services Contracts)	APR 1984
52.247-64	Preference for Privately Owned U.S. - Flag Commercial Vessels	APR 2003
52.249-3	Termination for Convenience of the Government (Dismantling, Demolition, or Removal of Improvements)	SEP 1996
52.249-10	Default (Fixed-Price Construction)	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense- Contract-Related Felonies	MAR 1999
252.203-7002	Display Of DOD Hotline Poster	DEC 1991
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
252.215-7000	Pricing Adjustments	DEC 1991
252.223-7001	Hazard Warning Labels	DEC 1991
252.223-7006	Prohibition On Storage And Disposal Of Toxic And Hazardous Materials	APR 1993
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Hawaiian Small Business Concerns	OCT 2003
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Hawaiian Small Business Concerns	OCT 2003
252.227-7022	Government Rights (Unlimited)	MAR 1979
252.227-7033	Rights in Shop Drawings	APR 1966
252.231-7000	Supplemental Cost Principles	DEC 1991

252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.247-7023 Alt III	Transportation of Supplies by Sea (May 2002) Alternate III	MAY 2002
252.247-7024	Notification Of Transportation Of Supplies By Sea	MAR 2000

CLAUSES INCORPORATED BY FULL TEXT

52.211-8 TIME OF DELIVERY (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

REQUIRED DELIVERY SCHEDULE

- (1.) The contractor will be required to Commence work under this contract within 10 calendar days after the date the Contractor receives the Notice to Proceed (NTP).
- (2.) Prosecute the work diligently; and
- (3.) Complete the entire work ready for use not later than 728 calendar days after the date the Contractor receives the NTP.
- (4.) The time stated for completion shall include demobilization from the premises.
- (5.) Award of options will not increase the performance period.

Contractor's proposed shchedule: See Section L & M for proposed schedule to be submitted under Tab H.

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mail. However, the Government will evaluate an offer that propsoes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (1) five calendar days for delivery of the award through the ordinary mail, or (2) one working day if the solicitation sates that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

(End of clause)

52.217-7 OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor no later than January 31, 2005. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

(End of clause)

52.228-16 PERFORMANCE AND PAYMENT BONDS--OTHER THAN CONSTRUCTION (JUL 2000)

(a) Definitions. As used in this clause--

Original contract price means the award price of the contract or, for requirements contracts, the price payable for the estimated quantity; or, for indefinite-quantity contracts, the price payable for the specified minimum quantity. Original contract price does not include the price of any options, except those options exercised at the time of contract award.

(b) The Contractor shall furnish a performance bond (Standard Form 1418) for the protection of the Government in an amount equal to 100 percent of the original contract price and a payment bond (Standard Form 1416) in an amount equal to 100 percent of the original contract price.

(c) The Contractor shall furnish all executed bonds, including any necessary reinsurance agreements, to the Contracting Officer, within 10 days, but in any event, before starting work.

(d) The Government may require additional performance and payment bond protection if the contract price is increased. The Government may secure the additional protection by directing the Contractor to increase the penal amount of the existing bonds or to obtain additional bonds.

(e) The bonds shall be in the form of firm commitment, supported by corporate sureties whose names appear on the list contained in Treasury Department Circular 570, individual sureties, or by other acceptable security such as postal money order, certified check, cashier's check, irrevocable letter of credit, or, in accordance with Treasury Department regulations, certain bonds or notes of the United States. Treasury Circular 570 is published in the Federal Register, or may be obtained from the U.S. Department of Treasury, Financial Management Service, Surety Bond Branch, 401 14th Street, NW., 2nd Floor, West Wing, Washington, DC 20227.

(End of clause)

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from Chief, Contracting Division, US Army Engineer District-Alaska, 2204 Third Street, Elmendorf AFB, Alaska 99506

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

52.236-1 PERFORMANCE OF WORK BY THE CONTRACTOR (APR 1984)

The Contractor shall perform on the site, and with its own organization, work equivalent to at least FIFTY(50%) percent of the total amount of work to be performed under the contract. This percentage may be reduced by a supplemental agreement to this contract if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the Government.

(End of clause)

52.248-1 VALUE ENGINEERING (FEB 2000)

(a) General. The Contractor is encouraged to develop, prepare, and submit value engineering change proposals (VECP's) voluntarily. The Contractor shall share in any net acquisition savings realized from accepted VECP's, in accordance with the incentive sharing rates in paragraph (f) below.

(b) Definitions. "Acquisition savings," as used in this clause, means savings resulting from the application of a VECP to contracts awarded by the same contracting office or its successor for essentially the same unit. Acquisition savings include--

(1) Instant contract savings, which are the net cost reductions on this, the instant contract, and which are equal to the instant unit cost reduction multiplied by the number of instant contract units affected by the VECP, less the Contractor's allowable development and implementation costs;

(2) Concurrent contract savings, which are net reductions in the prices of other contracts that are definitized and ongoing at the time the VECP is accepted; and

(3) Future contract savings, which are the product of the future unit cost reduction multiplied by the number of future contract units in the sharing base. On an instant contract, future contract savings include savings on increases in quantities after VECP acceptance that are due to contract modifications, exercise of options, additional orders, and funding of subsequent year requirements on a multiyear contract.

"Collateral costs," as used in this clause, means agency cost of operation, maintenance, logistic support, or Government-furnished property.

"Collateral savings," as used in this clause, means those measurable net reductions resulting from a VECP in the agency's overall projected collateral costs, exclusive of acquisition savings, whether or not the acquisition cost changes.

"Contracting office" includes any contracting office that the acquisition is transferred to, such as another branch of the agency or another agency's office that is performing a joint acquisition action.

"Contractor's development and implementation costs," as used in this clause, means those costs the Contractor incurs on a VECP specifically in developing, testing, preparing, and submitting the VECP, as well as those costs the Contractor incurs to make the contractual changes required by Government acceptance of a VECP.

"Future unit cost reduction," as used in this clause, means the instant unit cost reduction adjusted as the Contracting Officer considers necessary for projected learning or changes in quantity during the sharing period. It is calculated at the time the VECP is accepted and applies either (1) throughout the sharing period, unless the Contracting Officer decides that recalculation is necessary because conditions are significantly different from those previously anticipated or (2) to the calculation of a lump-sum payment, which cannot later be revised.

"Government costs," as used in this clause, means those agency costs that result directly from developing and implementing the VECP, such as any net increases in the cost of testing, operations, maintenance, and logistics support. The term does not include the normal administrative costs of processing the VECP or any increase in this contract's cost or price resulting from negative instant contract savings.

"Instant contract," as used in this clause, means this contract, under which the VECP is submitted. It does not include increases in quantities after acceptance of the VECP that are due to contract modifications, exercise of options, or additional orders. If this is a multiyear contract, the term does not include quantities funded after VECP acceptance. If this contract is a fixed-price contract with prospective price redetermination, the term refers to the period for which firm prices have been established.

"Instant unit cost reduction" means the amount of the decrease in unit cost of performance (without deducting any Contractor's development or implementation costs) resulting from using the VECP on this, the instant contract. If this

is a service contract, the instant unit cost reduction is normally equal to the number of hours per line-item task saved by using the VECP on this contract, multiplied by the appropriate contract labor rate.

"Negative instant contract savings" means the increase in the cost or price of this contract when the acceptance of a VECP results in an excess of the Contractor's allowable development and implementation costs over the product of the instant unit cost reduction multiplied by the number of instant contract units affected.

"Net acquisition savings" means total acquisition savings, including instant, concurrent, and future contract savings, less Government costs.

"Sharing base," as used in this clause, means the number of affected end items on contracts of the contracting office accepting the VECP.

Sharing period, as used in this clause, means the period beginning with acceptance of the first unit incorporating the VECP and ending at a calendar date or event determined by the contracting officer for each VECP.

"Unit," as used in this clause, means the item or task to which the Contracting Officer and the Contractor agree the VECP applies.

"Value engineering change proposal (VECP)" means a proposal that--

- (1) Requires a change to this, the instant contract, to implement; and
 - (2) Results in reducing the overall projected cost to the agency without impairing essential functions or characteristics; provided, that it does not involve a change--
 - (i) In deliverable end item quantities only;
 - (ii) In research and development (R&D) end items or R&D test quantities that is due solely to results of previous testing under this contract; or
 - (iii) To the contract type only.
- (c) VECP preparation. As a minimum, the Contractor shall include in each VECP the information described in subparagraphs (1) through (8) below. If the proposed change is affected by contractually required configuration management or similar procedures, the instructions in those procedures relating to format, identification, and priority assignment shall govern VECP preparation. The VECP shall include the following:
- (1) A description of the difference between the existing contract requirement and the proposed requirement, the comparative advantages and disadvantages of each, a justification when an item's function or characteristics are being altered, the effect of the change on the end item's performance, and any pertinent objective test data.
 - (2) A list and analysis of the contract requirements that must be changed if the VECP is accepted, including any suggested specification revisions.
 - (3) Identification of the unit to which the VECP applies.
 - (4) A separate, detailed cost estimate for (i) the affected portions of the existing contract requirement and (ii) the VECP. The cost reduction associated with the VECP shall take into account the Contractor's allowable development and implementation costs, including any amount attributable to subcontracts under the Subcontracts paragraph of this clause, below.
 - (5) A description and estimate of costs the Government may incur in implementing the VECP, such as test and evaluation and operating and support costs.

(6) A prediction of any effects the proposed change would have on collateral costs to the agency.

(7) A statement of the time by which a contract modification accepting the VECP must be issued in order to achieve the maximum cost reduction, noting any effect on the contract completion time or delivery schedule.

(8) Identification of any previous submissions of the VECP, including the dates submitted, the agencies and contract numbers involved, and previous Government actions, if known.

(d) Submission. The Contractor shall submit VECP's to the Contracting Officer, unless this contract states otherwise. If this contract is administered by other than the contracting office, the Contractor shall submit a copy of the VECP simultaneously to the Contracting Officer and to the Administrative Contracting Officer.

(e) Government action. (1) The Contracting Officer will notify the Contractor of the status of the VECP within 45 calendar days after the contracting office receives it. If additional time is required, the Contracting Officer will notify the Contractor within the 45-day period and provide the reason for the delay and the expected date of the decision. The Government will process VECP's expeditiously; however, it shall not be liable for any delay in acting upon a VECP.

(2) If the VECP is not accepted, the Contracting Officer will notify the Contractor in writing, explaining the reasons for rejection. The Contractor may withdraw any VECP, in whole or in part, at any time before it is accepted by the Government. The Contracting Officer may require that the Contractor provide written notification before undertaking significant expenditures for VECP effort.

(3) Any VECP may be accepted, in whole or in part, by the Contracting Officer's award of a modification to this contract citing this clause and made either before or within a reasonable time after contract performance is completed. Until such a contract modification applies a VECP to this contract, the Contractor shall perform in accordance with the existing contract. The decision to accept or reject all or part of any VECP is a unilateral decision made solely at the discretion of the Contracting Officer.

(f) Sharing rates. If a VECP is accepted, the Contractor shall share in net acquisition savings according to the percentages shown in the table below. The percentage paid the Contractor depends upon (1) this contract's type (fixed-price, incentive, or cost-reimbursement), (2) the sharing arrangement specified in paragraph (a) above (incentive, program requirement, or a combination as delineated in the Schedule), and (3) the source of the savings (the instant contract, or concurrent and future contracts), as follows:

CONTRACTOR'S SHARE OF NET ACQUISITION SAVINGS

(Figures in percent)

Contract Type	Incentive (Voluntary)		Program Requirement (Mandatory)	
	Instant Contract Rate	Concurrent and Future Contract Rate	Instant Contract Rate	Concurrent and Future Contract Rate
Fixed-price (includes fixed-price-award-fee; excludes other fixed-price incentive contracts)	(1) 50	(1) 50	(1) 25	25
Incentive (fixed-price or cost)	(2)	(1) 50	(1) 50	25

(other than award fee)				
Cost-reimbursement (includes cost-plus-award-fee; excludes other cost-type incentive Contracts)	(3) 25	(3)	15	15

- (1) The Contracting Officer may increase the Contractor's sharing rate to as high as 75 percent for each VECP.
- (2) Same sharing arrangement as the contract's profit or fee adjustment formula.
- (3) The Contracting Officer may increase the Contractor's sharing rate to as high as 50 percent for each VECP.

(g) Calculating net acquisition savings.

(1) Acquisition savings are realized when (i) the cost or price is reduced on the instant contract, (ii) reductions are negotiated in concurrent contracts, (iii) future contracts are awarded, or (iv) agreement is reached on a lump-sum payment for future contract savings (see subparagraph (i)(4) below). Net acquisition savings are first realized, and the Contractor shall be paid a share, when Government costs and any negative instant contract savings have been fully offset against acquisition savings.

(2) Except in incentive contracts, Government costs and any price or cost increases resulting from negative instant contract savings shall be offset against acquisition savings each time such savings are realized until they are fully offset. Then, the Contractor's share is calculated by multiplying net acquisition savings by the appropriate Contractor's percentage sharing rate (see paragraph (f) above). Additional Contractor shares of net acquisition savings shall be paid to the Contractor at the time realized.

(3) If this is an incentive contract, recovery of Government costs on the instant contract shall be deferred and offset against concurrent and future contract savings. The Contractor shall share through the contract incentive structure in savings on the instant contract items affected. Any negative instant contract savings shall be added to the target cost or to the target price and ceiling price, and the amount shall be offset against concurrent and future contract savings.

(4) If the Government does not receive and accept all items on which it paid the Contractor's share, the Contractor shall reimburse the Government for the proportionate share of these payments.

(h) Contract adjustment. The modification accepting the VECP (or a subsequent modification issued as soon as possible after any negotiations are completed) shall--

(1) Reduce the contract price or estimated cost by the amount of instant contract savings, unless this is an incentive contract;

(2) When the amount of instant contract savings is negative, increase the contract price, target price and ceiling price, target cost, or estimated cost by that amount;

(3) Specify the Contractor's dollar share per unit on future contracts, or provide the lump-sum payment;

(4) Specify the amount of any Government costs or negative instant contract savings to be offset in determining net acquisition savings realized from concurrent or future contract savings; and

(5) Provide the Contractor's share of any net acquisition savings under the instant contract in accordance with the following:

(i) Fixed-price contracts--add to contract price.

(ii) Cost-reimbursement contracts--add to contract fee.

(i) Concurrent and future contract savings.

(1) Payments of the Contractor's share of concurrent and future contract savings shall be made by a modification to the instant contract in accordance with subparagraph (h)(5) above. For incentive contracts, shares shall be added as a separate firm-fixed-price line item on the instant contract. The Contractor shall maintain records adequate to identify the first delivered unit for 3 years after final payment under this contract.

(2) The Contracting Officer shall calculate the Contractor's share of concurrent contract savings by (i) subtracting from the reduction in price negotiated on the concurrent contract any Government costs or negative instant contract savings not yet offset and (ii) multiplying the result by the Contractor's sharing rate.

(3) The Contracting Officer shall calculate the Contractor's share of future contract savings by (i) multiplying the future unit cost reduction by the number of future contract units scheduled for delivery during the sharing period, (ii) subtracting any Government costs or negative instant contract savings not yet offset, and (iii) multiplying the result by the Contractor's sharing rate.

(4) When the Government wishes and the Contractor agrees, the Contractor's share of future contract savings may be paid in a single lump sum rather than in a series of payments over time as future contracts are awarded. Under this alternate procedure, the future contract savings may be calculated when the VECP is accepted, on the basis of the Contracting Officer's forecast of the number of units that will be delivered during the sharing period. The Contractor's share shall be included in a modification to this contract (see subparagraph (h)(3) above) and shall not be subject to subsequent adjustment.

(5) Alternate no-cost settlement method. When, in accordance with subsection 48.104-4 of the Federal Acquisition Regulation, the Government and the Contractor mutually agree to use the no-cost settlement method, the following applies:

(i) The Contractor will keep all the savings on the instant contract and on its concurrent contracts only.

(ii) The Government will keep all the savings resulting from concurrent contracts placed on other sources, savings from all future contracts, and all collateral savings.

(j) Collateral savings. If a VECP is accepted, the Contracting Officer will increase the instant contract amount, as specified in paragraph (h)(5) of this clause, by a rate from 20 to 100 percent, as determined by the Contracting Officer, of any projected collateral savings determined to be realized in a typical year of use after subtracting any Government costs not previously offset. However, the Contractor's share of collateral savings will not exceed the contract's firm-fixed-price, target price, target cost, or estimated cost, at the time the VECP is accepted, or \$100,000, whichever is greater. The Contracting Officer will be the sole determiner of the amount of collateral savings.

(k) Relationship to other incentives. Only those benefits of an accepted VECP not rewardable under performance, design-to-cost (production unit cost, operating and support costs, reliability and maintainability), or similar incentives shall be rewarded under this clause. However, the targets of such incentives affected by the VECP shall not be adjusted because of VECP acceptance. If this contract specifies targets but provides no incentive to surpass them, the value engineering sharing shall apply only to the amount of achievement better than target.

(l) Subcontracts. The Contractor shall include an appropriate value engineering clause in any subcontract of \$100,000 or more and may include one in subcontracts of lesser value. In calculating any adjustment in this contract's price for instant contract savings (or negative instant contract savings), the Contractor's allowable development and implementation costs shall include any subcontractor's allowable development and implementation costs, and any

value engineering incentive payments to a subcontractor, clearly resulting from a VECP accepted by the Government under this contract. The Contractor may choose any arrangement for subcontractor value engineering incentive payments; provided, that the payments shall not reduce the Government's share of concurrent or future contract savings or collateral savings.

(m) Data. The Contractor may restrict the Government's right to use any part of a VECP or the supporting data by marking the following legend on the affected parts:

"These data, furnished under the Value Engineering clause of contract, shall not be disclosed outside the Government or duplicated, used, or disclosed, in whole or in part, for any purpose other than to evaluate a value engineering change proposal submitted under the clause. This restriction does not limit the Government's right to use information contained in these data if it has been obtained or is otherwise available from the Contractor or from another source without limitations."

If a VECP is accepted, the Contractor hereby grants the Government unlimited rights in the VECP and supporting data, except that, with respect to data qualifying and submitted as limited rights technical data, the Government shall have the rights specified in the contract modification implementing the VECP and shall appropriately mark the data. (The terms "unlimited rights" and "limited rights" are defined in Part 27 of the Federal Acquisition Regulation.)

(End of clause)

CLAUSES INCORPORATED BY REFERENCE

52.249-10 Alt I Default (Fixed-Price Construction) - Alternate I APR 1984

CLAUSES INCORPORATED BY FULL TEXT

252.222-7000 RESTRICTIONS ON EMPLOYMENT OF PERSONNEL (MAR 2000)

(a) The Contractor shall employ, for the purpose of performing that portion of the contract work in Alaska, individuals who are residents thereof and who, in the case of any craft or trade, possess or would be able to acquire promptly the necessary skills to perform the contract.

(b) The Contractor shall insert the substance of this clause, including this paragraph (b), in each subcontract awarded under this contract.

(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

WAGE DETERMINATION

WAGE DETERMINATION NO: 94-2017 REV (28) AREA: AK,STATEWIDE

WAGE DETERMINATION NO: 94-2017 REV (28) AREA: AK,STATEWIDE
REGISTER OF WAGE DETERMINATIONS UNDER | U.S. DEPARTMENT OF LABOR
FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL
WASHINGTON D.C. 20210

William W.Gross Division of
Director Wage Determinations | Wage Determination No.1994-2017
Revision No.: 28
Date Of Last Revision: 06/04/2003

State: **Alaska**
Area: **Alaska** Statewide

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION CODE - TITLE	MINIMUM WAGE RATE
01000 - Administrative Support and Clerical Occupations	
01011 - Accounting Clerk I	12.25
01012 - Accounting Clerk II	13.46
01013 - Accounting Clerk III	16.97
01014 - Accounting Clerk IV	19.02
01030 - Court Reporter	17.07
01050 - Dispatcher, Motor Vehicle	17.07
01060 - Document Preparation Clerk	15.39
01070 - Messenger (Courier)	13.11
01090 - Duplicating Machine Operator	13.38
01110 - Film/Tape Librarian	15.27
01115 - General Clerk I	12.14
01116 - General Clerk II	14.64
01117 - General Clerk III	15.39
01118 - General Clerk IV	17.32
01120 - Housing Referral Assistant	18.57
01131 - Key Entry Operator I	12.28
01132 - Key Entry Operator II	17.14
01191 - Order Clerk I	13.64
01192 - Order Clerk II	15.39
01261 - Personnel Assistant (Employment) I	15.35
01262 - Personnel Assistant (Employment) II	17.25
01263 - Personnel Assistant (Employment) III	19.28
01264 - Personnel Assistant (Employment) IV	22.38
01270 - Production Control Clerk	21.31
01290 - Rental Clerk	15.27
01300 - Scheduler, Maintenance	16.01
01311 - Secretary I	16.01

01312 - Secretary II	17.92
01313 - Secretary III	18.57
01314 - Secretary IV	20.88
01315 - Secretary V	22.76
01320 - Service Order Dispatcher	15.27
01341 - Stenographer I	13.59
01342 - Stenographer II	15.27
01400 - Supply Technician	20.88
01420 - Survey Worker (Interviewer)	17.07
01460 - Switchboard Operator-Receptionist	12.54
01510 - Test Examiner	17.92
01520 - Test Proctor	17.92
01531 - Travel Clerk I	12.59
01532 - Travel Clerk II	13.89
01533 - Travel Clerk III	15.34
01611 - Word Processor I	13.66
01612 - Word Processor II	15.44
01613 - Word Processor III	16.71
03000 - Automatic Data Processing Occupations	
03010 - Computer Data Librarian	16.45
03041 - Computer Operator I	16.09
03042 - Computer Operator II	17.14
03043 - Computer Operator III	24.42
03044 - Computer Operator IV	25.98
03045 - Computer Operator V	27.62
03071 - Computer Programmer I (1)	20.07
03072 - Computer Programmer II (1)	24.82
03073 - Computer Programmer III (1)	27.62
03074 - Computer Programmer IV (1)	27.62
03101 - Computer Systems Analyst I (1)	27.62
03102 - Computer Systems Analyst II (1)	27.62
03103 - Computer Systems Analyst III (1)	27.62
03160 - Peripheral Equipment Operator	16.62
05000 - Automotive Service Occupations	
05005 - Automotive Body Repairer, Fiberglass	22.47
05010 - Automotive Glass Installer	20.51
05040 - Automotive Worker	20.51
05070 - Electrician, Automotive	22.17
05100 - Mobile Equipment Servicer	18.40
05130 - Motor Equipment Metal Mechanic	22.47
05160 - Motor Equipment Metal Worker	20.51
05190 - Motor Vehicle Mechanic	22.47
05220 - Motor Vehicle Mechanic Helper	17.38
05250 - Motor Vehicle Upholstery Worker	20.51
05280 - Motor Vehicle Wrecker	20.51
05310 - Painter, Automotive	21.44
05340 - Radiator Repair Specialist	20.51
05370 - Tire Repairer	17.78
05400 - Transmission Repair Specialist	22.47
07000 - Food Preparation and Service Occupations	
(not set) - Food Service Worker	10.30
07010 - Baker	14.50
07041 - Cook I	12.82
07042 - Cook II	14.72

07070	- Dishwasher	10.16
07130	- Meat Cutter	15.18
07250	- Waiter/Waitress	10.83
09000	- Furniture Maintenance and Repair Occupations	
09010	- Electrostatic Spray Painter	21.44
09040	- Furniture Handler	15.78
09070	- Furniture Refinisher	21.44
09100	- Furniture Refinisher Helper	17.38
09110	- Furniture Repairer, Minor	19.42
09130	- Upholsterer	21.44
11030	- General Services and Support Occupations	
11030	- Cleaner, Vehicles	9.80
11060	- Elevator Operator	11.07
11090	- Gardener	15.93
11121	- House Keeping Aid I	10.58
11122	- House Keeping Aid II	11.87
11150	- Janitor	11.07
11210	- Laborer, Grounds Maintenance	13.26
11240	- Maid or Houseman	10.19
11270	- Pest Controller	15.39
11300	- Refuse Collector	14.26
11330	- Tractor Operator	15.03
11360	- Window Cleaner	12.23
12000	- Health Occupations	
12020	- Dental Assistant	15.88
12040	- Emergency Medical Technician (EMT)/Paramedic/Ambulance Driver	19.48
12071	- Licensed Practical Nurse I	13.89
12072	- Licensed Practical Nurse II	15.61
12073	- Licensed Practical Nurse III	17.47
12100	- Medical Assistant	14.93
12130	- Medical Laboratory Technician	15.61
12160	- Medical Record Clerk	14.20
12190	- Medical Record Technician	14.88
12221	- Nursing Assistant I	9.47
12222	- Nursing Assistant II	10.66
12223	- Nursing Assistant III	11.61
12224	- Nursing Assistant IV	13.06
12250	- Pharmacy Technician	13.94
12280	- Phlebotomist	15.94
12311	- Registered Nurse I	21.46
12312	- Registered Nurse II	26.26
12313	- Registered Nurse II, Specialist	26.26
12314	- Registered Nurse III	31.77
12315	- Registered Nurse III, Anesthetist	31.77
12316	- Registered Nurse IV	38.09
13000	- Information and Arts Occupations	
13002	- Audiovisual Librarian	23.84
13011	- Exhibits Specialist I	21.09
13012	- Exhibits Specialist II	25.29
13013	- Exhibits Specialist III	30.90
13041	- Illustrator I	21.09
13042	- Illustrator II	25.29
13043	- Illustrator III	30.90
13047	- Librarian	22.95

13050 - Library Technician	19.63
13071 - Photographer I	16.79
13072 - Photographer II	21.09
13073 - Photographer III	21.99
13074 - Photographer IV	26.87
13075 - Photographer V	28.25
15000 - Laundry, Dry Cleaning, Pressing and Related Occupations	
15010 - Assembler	9.06
15030 - Counter Attendant	9.06
15040 - Dry Cleaner	11.79
15070 - Finisher, Flatwork, Machine	9.06
15090 - Presser, Hand	9.06
15100 - Presser, Machine, Drycleaning	9.06
15130 - Presser, Machine, Shirts	9.06
15160 - Presser, Machine, Wearing Apparel, Laundry	9.06
15190 - Sewing Machine Operator	13.01
15220 - Tailor	14.50
15250 - Washer, Machine	9.90
19000 - Machine Tool Operation and Repair Occupations	
19010 - Machine-Tool Operator (Toolroom)	22.55
19040 - Tool and Die Maker	28.08
21000 - Material Handling and Packing Occupations	
21010 - Fuel Distribution System Operator	24.18
21020 - Material Coordinator	21.31
21030 - Material Expediter	21.31
21040 - Material Handling Laborer	16.29
21050 - Order Filler	13.82
21071 - Forklift Operator	17.80
21080 - Production Line Worker (Food Processing)	17.67
21100 - Shipping/Receiving Clerk	17.20
21130 - Shipping Packer	15.90
21140 - Store Worker I	13.66
21150 - Stock Clerk (Shelf Stocker; Store Worker II)	17.05
21210 - Tools and Parts Attendant	17.67
21400 - Warehouse Specialist	17.67
23000 - Mechanics and Maintenance and Repair Occupations	
23010 - Aircraft Mechanic	22.18
23040 - Aircraft Mechanic Helper	17.38
23050 - Aircraft Quality Control Inspector	23.48
23060 - Aircraft Servicer	19.42
23070 - Aircraft Worker	20.43
23100 - Appliance Mechanic	21.45
23120 - Bicycle Repairer	17.78
23125 - Cable Splicer	30.48
23130 - Carpenter, Maintenance	22.54
23140 - Carpet Layer	20.43
23160 - Electrician, Maintenance	28.07
23181 - Electronics Technician, Maintenance I	21.21
23182 - Electronics Technician, Maintenance II	30.22
23183 - Electronics Technician, Maintenance III	32.77
23260 - Fabric Worker	19.83
23290 - Fire Alarm System Mechanic	22.47
23310 - Fire Extinguisher Repairer	19.16
23340 - Fuel Distribution System Mechanic	28.42

23370 - General Maintenance Worker	20.43
23400 - Heating, Refrigeration and Air Conditioning Mechanic	22.47
23430 - Heavy Equipment Mechanic	24.01
23440 - Heavy Equipment Operator	25.83
23460 - Instrument Mechanic	24.04
23470 - Laborer	13.51
23500 - Locksmith	22.55
23530 - Machinery Maintenance Mechanic	24.81
23550 - Machinist, Maintenance	23.08
23580 - Maintenance Trades Helper	17.38
23640 - Millwright	23.95
23700 - Office Appliance Repairer	22.55
23740 - Painter, Aircraft	24.52
23760 - Painter, Maintenance	21.45
23790 - Pipefitter, Maintenance	29.01
23800 - Plumber, Maintenance	27.69
23820 - Pneudraulic Systems Mechanic	23.95
23850 - Rigger	23.95
23870 - Scale Mechanic	21.20
23890 - Sheet-Metal Worker, Maintenance	25.83
23910 - Small Engine Mechanic	20.43
23930 - Telecommunication Mechanic I	23.63
23931 - Telecommunication Mechanic II	27.00
23950 - Telephone Lineman	23.63
23960 - Welder, Combination, Maintenance	22.47
23965 - Well Driller	24.34
23970 - Woodcraft Worker	23.95
23980 - Woodworker	20.12
24000 - Personal Needs Occupations	
24570 - Child Care Attendant	12.47
24580 - Child Care Center Clerk	15.54
24600 - Chore Aid	11.74
24630 - Homemaker	18.94
25000 - Plant and System Operation Occupations	
25010 - Boiler Tender	26.53
25040 - Sewage Plant Operator	22.25
25070 - Stationary Engineer	26.53
25190 - Ventilation Equipment Tender	17.38
25210 - Water Treatment Plant Operator	21.94
27000 - Protective Service Occupations	
(not set) - Police Officer	29.17
27004 - Alarm Monitor	16.31
27006 - Corrections Officer	24.74
27010 - Court Security Officer	23.89
27040 - Detention Officer	24.74
27070 - Firefighter	20.42
27101 - Guard I	12.73
27102 - Guard II	15.61
28000 - Stevedoring/Longshoremen Occupations	
28010 - Blocker and Bracer	21.20
28020 - Hatch Tender	21.20
28030 - Line Handler	21.20
28040 - Stevedore I	22.75
28050 - Stevedore II	25.19

29000 - Technical Occupations	
21150 - Graphic Artist	25.25
29010 - Air Traffic Control Specialist, Center (2)	29.10
29011 - Air Traffic Control Specialist, Station (2)	20.07
29012 - Air Traffic Control Specialist, Terminal (2)	22.09
29023 - Archeological Technician I	18.22
29024 - Archeological Technician II	20.48
29025 - Archeological Technician III	25.29
29030 - Cartographic Technician	28.75
29035 - Computer Based Training (CBT) Specialist/ Instructor	30.74
29040 - Civil Engineering Technician	24.20
29061 - Drafter I	17.72
29062 - Drafter II	21.97
29063 - Drafter III	27.28
29064 - Drafter IV	28.75
29081 - Engineering Technician I	20.52
29082 - Engineering Technician II	25.40
29083 - Engineering Technician III	28.07
29084 - Engineering Technician IV	29.27
29085 - Engineering Technician V	31.27
29086 - Engineering Technician VI	37.59
29090 - Environmental Technician	19.18
29100 - Flight Simulator/Instructor (Pilot)	35.35
29160 - Instructor	24.39
29210 - Laboratory Technician	19.99
29240 - Mathematical Technician	27.82
29361 - Paralegal/Legal Assistant I	20.48
29362 - Paralegal/Legal Assistant II	24.17
29363 - Paralegal/Legal Assistant III	29.56
29364 - Paralegal/Legal Assistant IV	36.24
29390 - Photooptics Technician	24.19
29480 - Technical Writer	27.13
29491 - Unexploded Ordnance (UXO) Technician I	18.49
29492 - Unexploded Ordnance (UXO) Technician II	22.47
29493 - Unexploded Ordnance (UXO) Technician III	26.81
29494 - Unexploded (UXO) Safety Escort	18.49
29495 - Unexploded (UXO) Sweep Personnel	18.49
29620 - Weather Observer, Senior (3)	26.72
29621 - Weather Observer, Combined Upper Air and Surface Programs (3)	19.09
29622 - Weather Observer, Upper Air (3)	19.09
31000 - Transportation/ Mobile Equipment Operation Occupations	
31030 - Bus Driver	18.80
31260 - Parking and Lot Attendant	13.19
31290 - Shuttle Bus Driver	17.68
31300 - Taxi Driver	15.74
31361 - Truckdriver, Light Truck	17.30
31362 - Truckdriver, Medium Truck	18.75
31363 - Truckdriver, Heavy Truck	20.80
31364 - Truckdriver, Tractor-Trailer	20.84
99000 - Miscellaneous Occupations	
99020 - Animal Caretaker	11.22
99030 - Cashier	11.70
99041 - Carnival Equipment Operator	14.59
99042 - Carnival Equipment Repairer	15.47

99043 - Carnival Worker	11.99
99050 - Desk Clerk	14.09
99095 - Embalmer	18.71
99300 - Lifeguard	11.11
99310 - Mortician	18.71
99350 - Park Attendant (Aide)	13.94
99400 - Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	11.41
99500 - Recreation Specialist	22.53
99510 - Recycling Worker	20.27
99610 - Sales Clerk	12.18
99620 - School Crossing Guard (Crosswalk Attendant)	12.78
99630 - Sport Official	11.11
99658 - Survey Party Chief (Chief of Party)	26.44
99659 - Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	17.60
99660 - Surveying Aide	24.04
99690 - Swimming Pool Operator	14.95
99720 - Vending Machine Attendant	12.77
99730 - Vending Machine Repairer	14.95
99740 - Vending Machine Repairer Helper	12.77

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: \$2.36 an hour or \$94.40 a week or \$409.07 a month

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.)(See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE PARENTHESES AFTER THEM RECEIVE THE FOLLOWING BENEFITS (as numbered):

- 1) Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See CFR 4.156)
- 2) APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.
- 3) WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work). HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordinance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on

sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges. A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, (or employees possibly adjacent to) explosives and incendiary materials

which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential pay.

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance: The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made

the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do

not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Title and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Third Supplement, dated March 1997, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)} Conformance Process: The contracting officer shall require that any class of service employee which is

not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such

conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the

contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed. The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title), a Federal grade equivalency (FGE) for each proposed classification), job description), and rationale for proposed wage rate), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees. Information required by the Regulations must be submitted on SF 1444 or bond paper. When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

Section K - Representations, Certifications and Other Statements of Offerors

CLAUSES INCORPORATED BY REFERENCE

52.203-2	Certificate Of Independent Price Determination	APR 1985
52.203-11	Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions	APR 1991
52.204-3	Taxpayer Identification	OCT 1998
52.204-5	Women-Owned Business (Other Than Small Business)	MAY 1999
52.209-5	Certification Regarding Debarment, Suspension, Proposed Debarment, And Other Responsibility Matters	DEC 2001
52.215-6	Place of Performance	OCT 1997
52.219-19	Small Business Concerns Representation For The Small Business Competitiveness Demonstration Program	OCT 2000
52.222-22	Previous Contracts And Compliance Reports	FEB 1999
52.222-25	Affirmative Action Compliance	APR 1984
52.223-5	Pollution Prevention and Right-to-Know Information	AUG 2003
52.223-13	Certification of Toxic Chemical Release Reporting	AUG 2003
252.209-7000	Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate Range Nuclear Forces (INF) Treaty	NOV 1995
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	MAR 1998
252.247-7022	Representation Of Extent Of Transportation Of Supplies By Sea	AUG 1992

CLAUSES INCORPORATED BY FULL TEXT

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002) - ALTERNATE I (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 562910.

(2) The small business size standard is 500 Employees.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it () is, () is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it () is, () is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it () is, () is not a service-disabled veteran-owned small business concern.

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It () is, () is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It () is, () is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) (Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.) The offeror shall check the category in which its ownership falls:

____ Black American.

____ Hispanic American.

____ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

____ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

____ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

____ Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; or

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

Section L - Instructions, Conditions and Notices to Bidders

CLAUSES INCORPORATED BY REFERENCE

52.204-6	Data Universal Numbering System (DUNS) Number	OCT 2003
52.204-7	Central Contractor Registration	OCT 2003
52.228-11	Pledges Of Assets	FEB 1992
252.236-7002	Obstruction of Navigable Waterways	DEC 1991

CLAUSES INCORPORATED BY FULL TEXT

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Firm-Fixed-Price contract resulting from this solicitation.

(End of clause)

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from Chief, Contracting Division, US Army Corps of Engineers, 2204 Third Street, Elmendorf AFB, AK 99506

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

252.236-7001 CONTRACT DRAWINGS, MAPS, AND SPECIFICATIONS (AUG 2000)

(a) The Government will provide to the Contractor, without charge, one set of contract drawings and specifications, except publications incorporated into the technical provisions by reference, in electronic or paper media as chosen by the Contracting Officer.

(b) The Contractor shall--

- (1) Check all drawings furnished immediately upon receipt;
- (2) Compare all drawings and verify the figures before laying out the work;
- (3) Promptly notify the Contracting Officer of any discrepancies;
- (4) Be responsible for any errors that might have been avoided by complying with this paragraph (b); and
- (5) Reproduce and print contract drawings and specifications as needed.

(c) In general--

(1) Large-scale drawings shall govern small-scale drawings; and

(2) The Contractor shall follow figures marked on drawings in preference to scale measurements.

(d) Omissions from the drawings or specifications or the misdescription of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.

(e) The work shall conform to the specifications and the contract drawings identified on the following index of drawings:

Title	File	Drawing No.
Location and Vicinity Maps	EP030TRLV.dwg	LV-1
Site Location Map	EPO30TR.dwg	D-1
Tram & Upper Mountain	EP030TR.dwg	D-2
Lower Mountain	EP030TR.dwg	D-3
Site 31	EP030TR.dwg	D-4
Site 32	EP030TR.dwg	D-5
Site 33 & 34	EP030TR.dwg	D-6
Former AFS Operations	EP030TR.dwg	D-7
PCB Contaminated Soil Removal	EP030TR.dwg	D-8

(End of clause)

INSTRUCTONS.CONDITIONS&NOTICES

SECTION L

INSTRUCTIONS, CONDITIONS AND NOTICES TO OFFERORS

PRICE LIMITATION – The target ceiling for contract award for BD/DR of the FY04 White Alice Tram and Debris Removal, Northeast Cape, St. Lawrence Island, Alaska is \$5,000,000. The Government cannot guarantee that additional funds will be made available for award.

PART 1: GENERAL INFORMATION

1. PLANS AND SPECIFICATIONS.

The Request for Proposal (RFP) Documents will be issued on CD-ROM at no charge.

2. BOND AMOUNT REQUIRED

a. Performance and Payment Bonds:

- (1) The penal amount of the bonds shall be 100 percent of the original contract price, unless the Contracting Officer determines that a lesser amount would be adequate for the protection of the government. **SEE** Clause 52.228-16 Performance and Payment Bonds-- Other Than Construction (July 2000), Section I.
- (2) The Government may require additional performance bond protection when a contract price is increased. The increase in protection shall generally equal 100 percent of the

increase in contract price. The Government may secure additional protection by directing the contractor to increase the penal amount of the existing bond or obtain an additional bond.

- b. Letter of Commitment: Offeror's are required to obtain and furnish a written letter of commitment from a good and sufficient surety. The obligation of the surety under the letter of commitment shall be equal to the contract price. The letter of commitment shall express the surety's willingness to provide the required bonding within 10 calendar days after notification that the contractor transmits the need to the surety. The performance bond shall equal one hundred (100%) of the contract price.

3. SURETY REQUIREMENTS

- a. Corporate Sureties - Corporate sureties for bid, performance, and payment bonds must appear on the list contained in the Department of the Treasury Circular 570, "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and Acceptable Reinsuring Companies". Other requirements for corporate sureties are contained in FAR 28.202-1.
- b. Individual Sureties - If individual sureties are used for bond obligations, they must meet the requirements under FAR 28.203.

4. INQUIRIES

Prospective offerors may submit inquiries to:

U.S. Army Engineer District, Alaska, Contracting Division
ATTN: Kristine Stoechner
P.O. Box 6898, Anchorage, AK 99506-6898.
(907) 753-2554 or FAX (907) 753-2544
E-mail: kristine.g.stoechner@poa02.usace.army.mil
COLLECT CALLS WILL NOT BE ACCEPTED.

5. FACSIMILE PROPOSALS

Facsimile proposals or modifications will not be accepted.

6. PICK-UP SERVICE FOR TELEGRAPHIC AMENDMENTS

The US Army Engineers District, Alaska, does not provide pick-up service for telegraphic amendments.

7. PERFORMANCE OF WORK BY CONTRACTOR

Your attention is invited to FAR Clause 52.219-14, Limitations on Subcontracting. The work performed under the resulting contract is considered a "**Service**" (not construction), consequently, at least 50% of the cost of contract performance incurred for personnel shall be expended for employees of the prime contractor. Additionally, unless submitted with the proposal, the successful contractor must furnish the Contracting Officer within 30 days after award a description of the work that she/he intends to perform with his own organization (e.g. tram removal, demolition, sampling, disposal, debris removal, etc.), the percentage of the total work this represents and the estimated cost thereof.

8. PRE-PROPOSAL CONFERENCE / SITE VISIT

No pre-proposal conference will occur.

There will be no pre-proposal site visit organized by the USAED. However, prospective offerors are advised to visit the work site to ascertain the degree of difficulty expected in accessing existing features, and other factors affecting the work. Any difficulties arising during performance of work that would have been evident at such a prior inspection will not be considered to be a result of differing site conditions. A point of contact along with appropriate phone numbers is provided below. It will be the offeror's responsibility to make all arrangements for the visit and are

advised of possible logistical problems when visiting this remote site. Also reference FAR Clause 52.237-1, Site Visit (April 1984), Section I. Contact information is stated as follows:

Mr. Job Koonooka, PO Box 123, Gambell, Alaska 99742, Phone: (907) 985-5075, or Mr. Morris Toolie, Jr., PO Box 157, Savoonga, Alaska 99769.

9. PRE-AWARD SURVEYS.

The Government reserves the right to conduct a pre-award survey of any firm under consideration to confirm any part of the information furnished by the offeror, or to require other evidence of managerial, financial, technical, and other capabilities, the positive establishment of which is determined by the Government to be necessary for the successful performance of the contract. As a minimum the offeror is required to supply those items listed in the Pre-Award Questionnaire following the Proposal Schedule.

PART II: SUBMITTAL REQUIREMENTS:

1. WHO MAY SUBMIT:

This solicitation is open nationwide only to those small businesses certified with the Small Business Administration (SBA). See FAR 52.219-1, Small Business Program Representations (October 2000) for the NAICS code assigned to this acquisition.

Joint Venture Agreements: Joint Ventures are allowable on competitive small business set-asides; however, SBA must receive the joint venture agreement prior to proposal due date and approved before award of a resulting contract. If you are contemplating a joint venture on this project, you must advise your assigned Business Opportunity Specialist (BOS) as soon as possible. It is also recommended that the agreement be submitted as soon as practicable to ensure compliance with established regulations. Any corrections and/or changes needed can be made only when your BOS has adequate time for a thorough review before proposal due date. **NO CORRECTIONS AND/OR CHANGES ARE ALLOWED AFTER TIME OF SUBMISSION OF PROPOSALS.**

2. SELECTION PROCESS

- a. The Government intends to award without discussions. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary.
- b. The process used for this solicitation will be a Request for Proposal (RFP) wherein offerors will be evaluated and selected from the following criteria: Capabilities and Understanding of the Requirements, Experience and Past Performance, Capacity, Proposed Schedule, and Price.
- c. Each criterion will be evaluated as a discrete factor. The final determination as to the overall value of any proposal will reflect the combined effect of having considered all criteria as a whole.
- d. Offerors are advised that the evaluation and rating of proposals is conducted in strict confidence.

3. GENERAL REQUIREMENTS

- a. The intent of this RFP is to solicit proposals for the demolition and removal of debris at Northeast Cape, St. Lawrence Island, Alaska.
- b. Submit your proposal packages to the U.S. Army Engineer District, Alaska at the address shown in Block 7 of Standard Form 33.
- c. The Government must receive your proposal no later than the time and date specified in Block 9 of Standard Form 33. Subcontracting Plans are not required for this acquisition.
- d. Submit your proposal in two volumes. Volume 1 contains your organization's capabilities and understanding of the requirements (including technical approach, safety, management approach and key personnel), experience and past performance, capacity, and proposed schedule. Volume 2 contains the pricing and required pre-award documentation.
- e. Proposal: All contractors will receive written notice if they were or were not selected for contract award.

- f. Proposal clarity, organization and cross-referencing are mandatory. The offerors shall sufficiently detail and clearly define all items addressed in this Section L, Instructions, Conditions and Notices to Offerors.
- g. Written portions shall be type written using single space, 11-point font in 8-1/2" x 11" format with three holes punched, in three ring binders. Figures and schedules may be presented on 11" x 17" sheets folded to 8-1/2" x 11". The offeror shall label and tab their proposal consistent with the solicitation format index below. The proposal shall have an index for each proposal criteria as established in this Section L. Each page of the proposal shall have the page number on the bottom of the page starting with the first page to the last.
- h. Provide an original and four (4) copies of Volume 1, and an original, and four (4) copies of Volume 2.
- i. Page limitations:
 - (1) Volume 1 shall not exceed 75 (Seventy-five) single-sided pages. Personnel resumes, proposed schedule, and performance evaluations located in Volume 1 are not counted in the page limits.
 - (2) Volume 2 may be as many pages as required.

4. SPECIFIC PROPOSAL REQUIREMENTS

VOLUME ONE – ORGANIZATIONAL CHARACTERISTICS

Volume One is an opportunity for you to provide information on your team's past experience and performance, your capacity to perform work for this project, and your approach to certain aspects of the work. Present the material sequentially under the following Tabs, A thru H, to facilitate evaluation.

TABS A-D: CAPABILITIES AND UNDERSTANDING OF THE REQUIREMENTS (PROJECT APPROACH)

TAB A: TECHNICAL APPROACH

- Describe the proposed technical project approach specific to the requirements of the RFP.
- Demonstrate understanding of the requirements of the work and ability to perform the work required under the contract.
- Demonstrate understanding of the complexity of the contract.
- Describe anticipated methods and means of conducting the work.

Specific items that should be addressed in the proposal are:

1. Understanding of regulatory requirements and permits;
2. Delineation of material transportation and disposal methods and locations;
3. Access to work sites, including egress from the mountain;
4. Equipment appropriate to complexity of the project;
5. Knowledge of locality (rural Alaska);
6. Understanding of site conditions;
7. Appropriate methods and means;
8. Mobilization/demobilization approach;
9. Scheduling and sequencing of work tasks.

A description of the contract work shall be submitted that is based on information provided in the solicitation documents. The proposal will be evaluated according to the criteria set forth in the RFP.

TAB B: SAFETY

Provide a description of the company's safety program, identification of key personnel in the program, and a list of required training for personnel to be involved in the resulting contract. Describe how the safety program relates to the technical approach for this contract. For the prime offeror and all significant subcontractors, provide the following:

- A clear, logical and complete safety management system;
- Description and explanation of any safety awards in the past five (5) years;
- Description, cause, explanation and resolution of any citation, violations, or fines in the past five (5) years;
- Description, cause, explanation, and resolution of any lost time accidents in the past five (5) years; and
- OSHA "Lost Workday Incident Frequency Rate " .

TAB C: MANAGEMENT APPROACH

Describe project team organization and capability to manage subcontractors. Provide a management plan, specific to the requirements of this RFP that includes the project management organization, the tasks to be subcontracted, the ability to coordinate the subcontractors, the ability to manage and properly classify and transport hazardous waste and other types of wastes, and the ability to provide practical logistical solutions for removal projects in remote regions. The management plan shall also provide information on past experience working with proposed subcontractors and the ability to meet or beat the schedule requirements of the contract work. Include discussion regarding capability/willingness to work with client on scoping and cost saving measures.

TAB D: KEY PERSONNEL

Provide the experience, certification and training of personnel who will be assigned to the resulting contract. Resumes shall be submitted to support this evaluation. As a minimum, resumes shall be submitted for offeror's Key Personnel involved during this contract. Resumes shall include the appropriate certification numbers. Resume length shall be limited to two pages per person. Any additional resumes are encouraged and will be evaluated as part of the overall project team being proposed. Specifically, the professional capabilities, certification, relevant experience in remote cold regions and education levels of the personnel to be involved with this contract will be the basis for this evaluation. These criteria apply to the prime contractor and major subcontractor(s). For purposes of this Tab, a major subcontractor is one that will perform greater than 25 percent of the work.

Note: Substitutions of key personnel after award shall follow the provisions of SCR-40.

TAB E-F: EXPERIENCE AND PAST PERFORMANCE

TAB E: EXPERIENCE

Use the Project Experience Form included at the end of this section (section L).

Provide up to five (5) examples of projects that are similar to this project in scope, remoteness and magnitude. Provide an explanation of how these projects are similar in scope and magnitude to the work required in this RFP. Describe specialized experience and technical capability relating to demolition and environmental remedial action. Provide representative projects initiated within the past five years. Include a list of all subcontractors used and their specialties. Key Personnel shall be listed for each representative project (key personnel include the: Project Manager; and Site Superintendent. In addition to the Key Personnel list for each representative project, state whether the Key Personnel will have a comparable role under this contract. The information provided will be evaluated based on knowledge of locality, demonstrated capabilities, expertise related to similar type work in remote locations with harsh climates, project type and complexity (describe the work), performance period (compliance with scheduled completion date), contract value, and ability to work with the client in cost saving measures. These criteria apply to the prime contractor and major subcontractor(s). For the purposes of this Tab, a major subcontractor is one that will perform greater than 25% of the work.

TAB F: PAST PERFORMANCE

Provide information for each project submitted under Experience to indicate past performance. Use the Project Experience Form included at the end of section L. The Government may also contact sources outside those listed in the proposal.

Past Performance Evaluation Questionnaire: **Use the Owner/Client Past Performance Survey included at the end of this section (section L).** The Offeror will be responsible for submitting the Owner/Client Past Performance Survey to its customers in a timely manner. In the event that no past performance is documented for an offeror (either by Past Performance Questionnaires or other federal contractor rating system), that offeror will be rated neither favorably or un-favorably. The offeror shall submit responses by distributing the questionnaire, with the appropriate Project Experience Form attached, to past customers who will return or fax the completed forms directly to the Corps of Engineers prior to the proposal due date to the following address:

U.S. Army Corps of Engineers, Alaska District
Attn: Kristine Stoechner
P.O. Box 6898
Anchorage, AK 99506-6898
or
FAX (907) 753-2544, ATTN: Kristine Stoechner

These criteria apply to the prime contractor and major subcontractor(s). For the purposes of this Tab, a major subcontractor is one that will perform greater than 25% of the work.

OFFERORS ARE NOT REQUIRED TO SUBMIT PAST PERFORMANCE EVALUATION QUESTIONNAIRES FOR THOSE PROJECTS WHERE THE CORPS OF ENGINEERS WAS THE CUSTOMER.

TAB G: CAPACITY

- a. Prime Contractor's Other Work: Describe your resources available to support this project concurrently with other projected ongoing or new work. State why your firm is especially qualified to undertake this project.
- b. Subcontractor's Other Work: Describe the resources of proposed major subcontractors available to support this project concurrently with other projected ongoing or new work.
- c. Mobility: Describe a basic understanding of the requirements to mobilize and work at this project site. Include movement of materials, equipment, and personnel in your discussion. Discuss understanding of climate, availability of equipment and materials, and your firm's experience in this regard.

TAB H: PROPOSED SCHEDULE

Schedule: Submit a proposed schedule for the appropriate work activities. This schedule shall clearly state how it compares to the number of days stated in FAR Clause 52.211-8, Time of Delivery. **Offeror shall acknowledge that it is understood that the total contract duration proposed in this schedule will become contractually binding should that offeror receive the award.** Schedules or diagrams may be provided separately in a size that is easily read, but shall be bound and clearly labeled. The schedules shall be task oriented, indicating the number of calendar days, after notice to proceed, by which milestones are to be achieved. Offeror may use a critical path or other method of choice; however, schedules shall be graphically represented. Give special attention to the following features.

1. Show the period of each major feature of fieldwork.
2. Show mobilization and de-mobilization.
3. Show key milestones.
4. Constraints: Offeror must demonstrate the capability and flexibility to plan and schedule the complete project to meet the proposed contract completion date. Clearly identify any constraints on the schedules presented (e.g., labor or material availability, weather, etc.); indicate the anticipated critical path on the schedule.

VOLUME TWO – PRICING AND PRE-AWARD REQUIREMENTS

Organize the material sequentially under the following Tabs.

TAB A: SECTION K

Provide requirements of Section K of this request for proposal. (Reps and Certs)

TAB B: PRE-AWARD SURVEY BANK REFERENCE

Give current, accurate references, i.e. users/account numbers, point of contact, with fax and telephone number.

TAB C: PRICE INFORMATION

The price information supporting the Technical Proposal shall be in the form of the proposal schedule contained in the front of this solicitation. Include signed SF Form 33 acknowledging all amendments and proposed price. Include corporate certificate.

ATTACHMENTS

Owner/Client Past Performance Survey

Project Experience Form

Resume Form

-- END OF SECTION L --

SOLICITATION NO. W911KB-04-R-0018
FY04 White Alice Tram and Debris Removal,
Northeast Cape, St. Lawrence Island, Alaska
OWNER/CLIENT PAST PERFORMANCE SURVEY
(Fill out all applicable parts)

The U.S. Army, Corps of Engineers, is interested in your assessment of the named company's "past performance." The quoted term refers to the company's record of conforming to contract requirements and to standards of good workmanship; the firm's record of forecasting and controlling costs; the firm's adherence to contract schedules including the administrative aspects of performance; the firm's history of reasonable and cooperative behavior and commitment to customer satisfaction; and the firm's general business-like concern for the interest of the customer.

These questions relate to the work performed at (Name and location of designated project) by (Name of Offeror)

1. Is the information provided by the contractor in the Project Experience Form accurate and correct to the best of your knowledge and why? Yes / No. _____ Explanation: _____

2. How would you rate the performance of this Contractor on the subject project?

- a. The company's record of conforming to contract requirements and standards of good workmanship
Excellent Good Satisfactory Fair Unsatisfactory
- b. The firm's adherence to contract schedules including the administrative aspects of performance
Excellent Good Satisfactory Fair Unsatisfactory
- c. The firm's history of reasonable and cooperative behavior and commitment to customer satisfaction
Excellent Good Satisfactory Fair Unsatisfactory
- d. The firm's general business-like concern for the interest of the customer
Excellent Good Satisfactory Fair Unsatisfactory
- e. The firm's price, in terms of initial price and control of changes or claims.
Excellent Good Satisfactory Fair Unsatisfactory

3. Comments. _____

Name _____ Title _____ Telephone _____

Fax _____ E-Mail Address _____

Date _____

Return to:
U.S. Army Corps Of Engineers
PO Box 6898 Attn: Contracting Division/ Kristine Stoechner
Anchorage, AK 99506-6898
Kristine Stoechner (907) 753-2544 FAX: (907) 753-2544

SOLICITATION NO. W911KB-04-R-0018

PROJECT EXPERIENCE FORM

FOR

**FY04 White Alice Tram and Debris Removal, Northeast Cape, St. Lawrence Island,
Alaska**

Provide a completed form for each project for which experience is being claimed. Submit only projects on which the offeror was the prime contractor or prime construction contractor.

Name of Offeror (Prime Contractor) _____

Work performed by Offeror [] and [] or by key subcontractor _____

and [] or [] design firm _____ (enter firm name and check "and" or "or" as applicable)

Was the project demolition, construction, or environmental? _____

Name of Project: _____

Location of Project: _____

Was Project a firm fixed price contract (Y/N)? _____ If No, what type was it _____

Brief Description of Project

Contract Amount at Award: _____

Final Contract Amount or Estimated Cost at Completion: _____

Amount added by Modification: _____

Explanation of any Cost Growth

Multiple Interim Schedule Milestones (to include scheduled start date):

Original Contract Completion Date: _____ Final Contract Completion Date: _____

Actual Completion Date: _____ Time added by Modification: _____

Explanation of any Late Finish:

SOLICITATION NO. W911KB-04-R-0018
PROJECT EXPERIENCE FORM FOR
FY04 White Alice Tram and Debris Removal, Northeast Cape, St. Lawrence Island,
Alaska (continued)

Was the project terminated early or were cure/show cause letters received? Yes No

Explain early termination (default/convenience) or cure/show cause letters _____

Safety record: Accidents, Incidents, Violations

List and explain any customer concerns or dissatisfaction. Explain how you responded.

What were the SDB, WOB and small business percent goals in the original contract?

SDB: _____ WOB: _____ Small Business: _____ HBCU: _____ HUBZONE: _____ MI: _____

What was the actual percent achieved at contract completion?

SDB: _____ WOB: _____ Small Business: _____ HBCU: _____ HUBZONE: _____ MI: _____

Extent and Types of Work Subcontracted.

Was the project owner an agency of the federal government? Yes No

Name, address, FAX and telephone number of the owner:

Name and telephone number of a representative of your firm who is knowledgeable of this project and can readily be contacted:

Name, address, FAX and telephone number of a representative of the owner who is knowledgeable of this project and can be readily contacted:

Name, address, FAX and telephone number of the Contracting Officer if project was for federal government:

SOLICITATION NO. W911KB-04-R-0018
FY04 White Alice Tram and Debris Removal,
Northeast Cape, St. Lawrence Island, Alaska

RESUME FORM

Check applicable block.

KEY PERSONNEL:

Project Manager Site Superintendent Subcontractor Manager

Name of Individual: _____

Employed by: _____

Number of years with firm: _____

Education (degree(s)/year/ specialization):

Achievements, Special Recognition, and Honors:

Active Registration: Number/State/Year:

Experience pertinent to this contract: (most recent to earliest)

Project: _____ Company _____

Dates: From _____ to Present

Type of Experience:

Duties & Responsibilities:

Project: _____ Company _____

Dates: From _____ to _____

Type of Construction or Design:

Duties & Responsibilities:

Section M - Evaluation Factors for Award

EVALUATION FACTORS FOR AWARD**SECTION M****EVALUATION FACTORS FOR AWARD****I. INITIAL PROPOSAL COMPLIANCE**

The Government will award the contract to the offeror of the proposal that represents the best overall value to the Government. Before a proposal will be considered for evaluation and subsequent award of a contract, the offeror must assent to the terms and conditions in RFP Sections A through M without exception. If the offeror takes exception to any of the terms and conditions in RFP Sections A through M, the proposal may be rejected.

II. PROPOSAL EVALUATION

The Government will evaluate the proposals of each offeror based on how well their proposal addresses each of the Factors listed below and described under the various Tabs (A, B, C, etc.) in Section L. The evaluation will determine the offeror's overall cohesive approach in assimilating these various elements for each Factor and subsection into a comprehensive, consistent, and concise proposal that meets or exceeds the Government's minimum requirements.

The Government intends to award the contract without discussions. The proposal is therefore expected to be self-explanatory in addressing all of the required criteria.

III. FACTORS FOR EVALUATION

Volume One:

- Capabilities and Understanding of the Requirements (Tabs A-D)
 - Technical Approach (Tab A)
 - Safety (Tab B)
 - Management Approach (Tab C)
 - Key Personnel (Tab D)
- Experience and Past Performance (Tabs E-F)
 - Experience (Tab E)
 - Past Performance (Tab F)
- Capacity (Tab G)
- Proposed Schedule (Tab H)

Volume Two:

- Price
 - - Price and Pre-Award Information (Tabs A-C)

VOLUME ONE FACTORS**CAPABILITIES AND UNDERSTANDING OF THE REQUIREMENTS (Tabs A-D)****TECHNICAL APPROACH (Tab A)**

The submitted definition of contract work will be evaluated by comparing offeror's presented approach and methods with the scope described in the RFP. Proposals will be evaluated based on the following aspects:

- Description of the proposed technical project approach specific to the requirements of the RFP.
- Demonstrated understanding of the requirements of the work and ability to perform the work required under the contract.
- Demonstrated understanding of the complexity of the contract.

- Described anticipated methods and means of conducting the work.

Specific items that will be evaluated are:

1. understanding of regulatory requirements and permits;
2. delineation of material transportation and disposal methods and locations;
3. access to work sites, including egress from the mountain;
4. equipment appropriate to complexity of the project;
5. understanding of site conditions;
6. knowledge of locality (rural Alaska);
7. appropriate methods and means;
8. mobilization/demobilization approach;
9. scheduling and sequencing of work tasks.

SAFETY (Tab B)

Safety will be evaluated by examining the proposal for overall safety program, management approach, employee training, and past safety record. Items that should be addressed are:

- a. A clear logical and complete safety management system;
- b. Description and explanation of any safety awards received during the past 5 years; and
- c. Description, cause, explanation and resolution of any citation, violations, or fines in the past five years;
- d. Description, cause, explanation, and resolution of any lost time accidents in the past five years; and
- e. OSHA "Lost Workday Incident Frequency Rate".

MANAGEMENT APPROACH (Tab C)

Management will be evaluated by examining the proposal for overall management approach, quality control, logistics management, cost/schedule/subcontractor control, safety, and incidental design requirements.

Items that should be addressed are:

1. A clear, logical and complete overall management approach;
2. Identification of proposed team, inter-relationship of team members, roles and responsibilities;
3. The Contractor Quality Control (CQC) Plan, definable features of work, and documentation;
4. A concise and complete discussion of best value analysis in logistics management, and a logical and complete approach to logistics management in general;
5. A logical and complete approach to subcontractor, cost, and schedule control; and
6. The offeror's approach to work plans, unforeseen situations, quantity take-offs, applicable codes and regulations, survey control, etc.

Consideration will be given to the offeror's capability/willingness to work with the client on scoping and cost saving measures.

KEY PERSONNEL (Tab D)

Key Personnel will be evaluated by examining the resumes in the proposal to determine if:

1. The proposed key personnel meet the minimum requirements in the specifications.

2. The key personnel have relevant experience on projects of similar nature, scope, and complexity to this project.

Key personnel for the prime contractor and major subcontractor(s) will be considered. For the purposes of this Tab, a major subcontractor is one that will perform greater than 25% of the work.

EXPERIENCE AND PAST PERFORMANCE (Tabs E-F)

EXPERIENCE (Tab E)

The Government defines experience as learning by doing. The Government will evaluate the depth and breadth of an offeror's experience on the basis of the scope and scale of similar projects, and the amount of experience on the projects that were similar in nature, scope, remoteness and complexity to the work that will be required under the contract for which offers are solicited by this RFP. Experience is applicable for the prime contractor and major subcontractor(s). For the purposes of this Tab, a major subcontractor is one that will perform greater than 25% of the work.

PAST PERFORMANCE (Tab F)

The Government will evaluate each offeror's past performance to determine how well it satisfied its customers and any trends in performance. The Government may contact some of each offeror's customers and others to determine whether the offeror: conforms to the terms and conditions of its contracts; obeys the law; is honest, reasonable, and cooperative; maintains good labor relations; manages its subcontractors effectively; and, is committed to customer satisfaction. The Government may contact sources outside those listed in the proposal. Past performance is applicable for the prime contractor and major subcontractor(s). For the purposes of this Tab, a major subcontractor is one that will perform greater than 25% of the work.

CAPACITY (TAB G)

The Government will evaluate each offeror's:

- ability to perform this work concurrent with other ongoing projects; and
- understanding of climate and logistics at Northeast Cape.

PROPOSED SCHEDULE (TAB H).

The Government will evaluate each offeror's proposed schedule for both efficiency and reasonableness. In the factor Proposed Schedule the Government will evaluate the Schedule or Gantt chart along with all additional required data showing the offeror's proposed schedule to ensure that the project can be completed within the specified time stated in FAR Clause 52.211-8, Time of Delivery. The schedule shall be complete, reasonable, and realistic in order to evaluate the contractor's understanding of all required work activities.

Schedule factors to be reviewed are:

- Consistent with the Period of Performance.
- Identifies critical milestones of project.
- Activity sequence is logical left to right.
- Activity duration is realistic.
- Critical-path, long-lead items are identified.

IV. RELATIVE IMPORTANCE OF INDIVIDUAL EVALUATION FACTORS

Volume One (non-price)

For Volume One, the evaluation factors are in descending order of importance. Capabilities and Understanding of the Requirements is the most important weighting factor. The sub-elements under Capabilities and Understanding of the Requirements are considered to be in descending order of importance. Experience and past performance, capacity

and schedule are less important than Capabilities and Understanding of the Requirements. The sub-elements under Experience and Past Performance are considered to be of equal importance.

Volume Two (price and pre-award requirements)

The Government will perform a price analysis and evaluate each proposed price by comparing it against other proposed prices, the average of the offerors, the Government estimate, available funds and affordability. The government will also evaluate each line item as priced to ensure no individual CLIN/SUBCLIN is priced unrealistically high or low.

Evaluation of Options: IAW FAR 52.217-5, the government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic contract requirements. Evaluation of options will not obligate the government to exercise the options. The base items (#0001-#0013) and optional items (#0014-#0016) will be evaluated in the overall best value determination IAW FAR 52.217-5 as incorporated.

V. RELATIVE IMPORTANCE OF OVERALL EVALUATION FACTORS

The Government considers the evaluation factors for Volume One (Non-Price) to be significantly more important than Volume Two (price). The offeror should note that, under this scenario, price is not the only factor for award, and as indicated in paragraph VI, award will not necessarily be made to the offeror with the lowest price. A graphical depiction of the Relative Importance of Evaluation Factors is shown below in Table 1 and Table 2.

Table 1. Volume One - Relative Importance of Technical Evaluation Factors

Relative Importance	Criteria	Sub-Level Importance
Most	Capabilities and Understanding of Requirements	
	Technical Approach (Tab A) Safety (Tab B) Management Approach (Tab C) Key Personnel (Tab D)	Most Less Lesser Least
Less	Experience and Past Performance	
	Experience (Tab E) Past Performance (Tab F)	Equal Equal
Lesser	Capacity (Tab G)	
Least	Proposed Schedule (Tab H)	

Table 2. Combined Relative Importance of Evaluation Factors (Non-Price & Price)

Overall Importance	Criteria	Sub-Level Importance
More	Volume One	
Less	Volume Two (Price)	

VI. THE DETERMINATION OF BEST OVERALL VALUE

In order to determine which proposal represents the best overall value, the Government will compare proposals to one another in a series of paired comparisons, trading off offerors' values based on their overall performances on the non-price factors. In comparing two proposals, if one member of a pair has both the better overall non-price value and the lower price, then the Government will consider that proposal to be a better value.

If one member of a pair has the better overall non-price value, but a higher price than the other proposal, then the Government's source selection authority will determine if the difference in non-price value is worth the difference in price.

If the source selection authority decides that the better non-price value is worth the higher price, then the Government will consider the proposal with the better non-price value and the higher price to be the better overall value.

If the Source Selection Authority decides that the better non-price value is not worth the higher price, then the Government will consider the proposal with the lower non-price value and the lower price to be the better value. The Source Selection Authority will continue to make paired comparisons in this fashion until he or she has identified the proposal that represents the best overall value. The contract will be awarded to the offeror with the best overall value.

-- END OF SECTION M --