

Bulk Fuel Construction Gustavus, Alaska

Environmental Protection Plan

May 2011

**USACE Contract No. W911KB-07-D-0016
Task Order No. 0005**

Owner:

U.S. Army Corps of Engineers
Contracting Officer-Christine A. Dale
P.O. Box 6898
JBER, Alaska 99506-6898
Phone: (907) 753-5618
Fax: (907) 753-2544

Contractor:

Western Marine Construction, Inc.
2775 Harbor Ave. SW, Suite A
Seattle, WA 98126
Phone: (206) 622-9161
Fax: (206) 622-9170

Project Location and Description

This task order is for installation of a new marine header and barge fill pipelines. Work will be performed at the new dock and within a portion of the dock road right-of-way. The dock is located on property vested in the state of Alaska. Western Marine Construction, Inc. (WMC) will construct the work as shown on the drawings attached to the "Bulk Fuel Construction, Gustavus, Alaska" Request for Proposal (RFP).

Water Resources

WMC will continually monitor all construction activities and manage the project to avoid and prevent any unnecessary pollution of surface and/or ground waters. WMC will conduct all inspection and monitoring of construction equipment in and over the water, during the course of this project.

Fish and Wildlife

Work performed under this task order includes minimal interference to fish and wildlife. In water work is limited to skiff and barge staging. Upland work is limited to just over 100 LF of trenching and backfill.

Land Resources

All work performed under this task order will be within the Alaska Department of Transportation Right-of-way.

Historical and Archeological Resources

There are no known archeological sites in the project area. If an archeological discovery is made during this project, proper measures will be made to cease construction activity in that area and notify a representative of the USACE immediately.

Air Resources

All Western Marine equipment will meet State and Federal emission and performance practices. Construction equipment will also be controlled to meet State and Federal noise limitations.

Waste and Debris

Small amounts of garbage will be produced daily, and construction will produce small quantities of debris. Smaller rubbish and garbage will be collected in construction grade

trash bags and transported to the Gustavus landfill facility for proper disposal. Solid wastes shall be placed in containers that are emptied on a regular schedule.

Hazardous Waste

Should hazardous waste be generated at the site, the Corps of Engineers and ADEC shall be notified and the wastes handled and disposed of by the Western Marine Response Team. All hazardous waste operations will be conducted in accordance with the appropriate regulations. It is not expected that any hazardous wastes will be generated on this project.

Emergency Spill Response

Spills may occur as a result of equipment failure at the work site. WMC will work to reduce the possibilities of spills or releases. Vehicles and equipment used for the project will be regularly maintained and inspected to prevent leaks or spills. Equipment and vehicles will be fueled or maintained at a designated site. All fuel will be contained in appropriate fuel containers. Sorbent pads will be available if required and spill containment kits will also be made available.

In the event of a spill or release, measures will be taken to prevent the release of any additional product, contain the quantity already released, and cleanup all effected materials. WMC will have access to specialized spill response equipment including sorbent materials and booms as much of this work will be conducted over the water.

Steps to control a Discharge

The following information provides steps to control discharges for various scenarios. For each scenario WMC will dispose of all recovered oil in accordance with the local laws and regulations.

(i)Operational Spills

(A) Pipe Leakage:

- a. The operator will immediately cause the flow of oil to stop by ordering the dock to stop or shutting down the flow from the barge.
- b. The operator will determine the source of the leak and isolate the leaking pipe by using alternate means of oil transfer.
- c. Leaking residue material can be checked by wrapping with neoprene and duct tape

(B) Hull Leakage:

- a. The operator will immediately cause the flow of oil to stop by ordering the dock to stop or shutting down the flow from the barge.
- b. A wooden wedge will be used to seal an opening up to 1 3/4" width.

- c. Epoxy putty and oaken may be used for sealing small gapes and openings.
- d. If oil reached the water, the operator will notify the tug in attendance for assistance in deploying the containment boom and commence recovery operations immediately.
- e. Notify WMC operations of incident and assistance necessary
- f. Notify Coast Guard of situation and conditions

(ii)Spills resulting from casualties. Assign crewmembers to specific duties for emergency response activities.

(A) Grounding

- a. Sound tanks and check for external signs of leakage
- b. If leak(s) exist, deploy containment boom and proceed with spill procedures
- c. If no leak exists, determine seaworthiness of vessel and whether it can be refloated
- d. Notify WMC office of situation and requirements
- e. If vessel cannot be refloated, send out anchor to hold vessel in original position
- f. Determine tide, bottom, weather, sea/swell
- g. Determine feasibility of lightering to reduce weight
- h. Notify WMC office of incident and assistance necessary
- i. Notify Coast Guard of situation and conditions

(B) Fire or Explosion

- a. Stop flow of oil
- b. Warn people in immediate vicinity/Sound the Alarm
- c. Eliminate ignition sources
- e. Size up fire/Position tug upwind of fire
- f. Maintain communications
- g. Stage equipment and personnel
- h. Attack the fire
- i. Ventilate
- j. Rescue
- k. Overhaul
- l. Notify WMC office of incident and assistance necessary
- m. Notify Coast Guard VTS of situation and conditions
- n. Dewater as necessary for stability
- o. Damage assessment
- p. Restow equipment
- q. Critique

(C) Collision

- a. Determine seaworthiness of vessel(s) involved
- b. Check for injuries and persons who might be lost overboard
- c. If vessel is in danger of foundering, consider beaching the vessel
- d. Render assistance to other vessel as possible
- e. Notify WMC office of incident and assistance necessary
- f. Notify Coast Guard of situation and conditions

(D) Hull Failure

Attempt to patch/plug any cracks

- b. In the event of serious damage, determine who should remain aboard
- c. Determine vessel stability based on current situation including weather
- d. If vessel is in danger of foundering, consider beaching the vessel
- e. Notify WMC office of incident and assistance necessary
- f. Notify Coast Guard of situation and conditions

(E) Excessive List

- a. Sound tanks and determine cause if possible
- b. Initiate transfer of cargo to reduce list
- c. Reduce Free Surface and Free Communication with the Sea
- d. Find sheltered water to reduce the effects of weather
- e. Notify WMC office of incident and assistance necessary
- f. Notify Coast Guard of situation and conditions

Training of Personnel

WMC's personnel have been trained in spill response and will conduct drills to become familiar with spill response equipment on site. WMC will conduct on-site response training that will be designed for this project. We will work with our employees to become familiar with the resources available in Gustavus for emergencies and potential hazards.

Attachments

Regulatory Agencies and Requirements

Emergency Notification Contacts

Initial Spill Report

Regulatory Agencies for Gustavus, AK

The applicable Federal, State and Local agencies that will govern the pollution control and abatement regulations for this project are the U.S. Army Corps of Engineers, U.S. Coast Guard, U.S. Fish and Wildlife, Alaska Department of Environmental Conservation, and Alaska Department of Natural Resources (Office of Project Management and Permitting, Office of Habitat Management and Permitting). All regulations and permits to conduct the construction activities will be initiated and managed by the U.S. Army Corps of Engineers.

Reporting Requirements.

The regulations require certain mandatory reporting scenarios. These reporting scenarios must be followed when an incident involves: a) a discharge of oil for the purpose of securing the safety of a ship or saving life at sea; and b) a discharge of oil during the operation of the ship in excess of the quantities or rate permitted in 33 CFR 151.10 or 33 CFR 157.37. The following Emergency Notification Call Down List shall be utilized for reporting incidents involving the barges including, but not limited to; a discharge of oil resulting from damage to the barge or its equipment, or a probable discharge of oil. It is company policy that oil NOT be discharged from the barges while at sea.

Western Marine Construction, Inc
Emergency Notification Contact List

Office: Seattle (206) 622-9161

Fax: (206) 622-9170

<i>Qualified Individuals Home</i>	<i>Cellular</i>
Kriss Hart (206) 622-9161	(206) 849-4812
Bill Kerzie (425) 827-2201	(206) 849-4814
Joe Zech (206) 323-5774	(206) 849-4816

The Following Notifications Shall be made:

U.S. Coast Guard
National Response Center: 1 800-424-8802
Emergency 1-800-478-5555
City of Gustavus 1-907-697-2451

Alaska Department of
Environmental Conservation: 1-800-478-9300
1-907-486-3350

The Following shall be Notified as Necessary:

Marine Spill Response Corp.: 1-800-259-6772
1-800-645-7745

USCG Marine Safety Office
Juneau, AK 1-907-463-2475

INITIAL SPILL REPORT

Reported by: _____
(name, title, telephone#, radio station and frequencies guarded)

Date and time of incident: _____

Location of incident: _____

Course, speed and intended track of vessel: _____
(Include vessel name, country of registry, call sign, and official number)

Date and Time of next report: _____

Type of oil and estimated quantity spilled: _____
(size of sheen and color, volume of discharge x time, other means)

Nature and details of damage: _____
(grounding, collision, hull failure)

Details of pollution (if known): _____
ADDITIONAL INFORMATION - FOR INITIAL REPORT
(PROVIDE ONLY IF TIME PERMITS AND READILY KNOWN)

Cause: _____
(facts only, no speculation)

LOCAL CONDITIONS:

weather: _____
wind speed: _____ direction: _____
air temperature: _____ visibility: _____
sea conditions: _____ tide: _____

SHEEN/SLICK:

size/appearance: _____
direction of movement: _____ estimated speed: _____

Areas/wildlife potentially threatened by spill: _____

Actions being taken to prevent further spillage: _____

Other vessel size and type, Current condition of the vessel(s), Number of crew and details of injuries (if any): _____

FOR USE BY WESTERN MARINE PERSONNEL ONLY:

.....NOTIFICATION COMPLETED.....

Date / Time: _____ To (initials): _____
WMC QI/AQI 206-622-9161 _____
USCG NRC 1-800-424-8802 _____