EQUIPMENT DECONTAMINATION PLAN

Project Name:
Project Date:

FOSC _____

SOSC _____

RP _____

PREPARED BY:

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PURPOSE

This plan serves to identify general guidance procedures to be followed by vessels involved with oil spill response operations. Because these operations may involve transiting through slicks, operating within oiled waters or recovery operations, we may assume that vessel hulls, decks, machinery, tanks, piping, deck gear and other areas will be impacted with oil. This plan will be used for all vessels and support equipment, either contaminated or suspected of being contaminated with oil, to return to a non-oiled state.

SITE SPECIFICS

Site Location: _____
Site Description: _____

Contact Person: _____

Phone: _____

CONCEPT OVERVIEW

In view of the extensive equipment inventory involved in this response effort, _____ will oversee gross decontamination of vessels; establish and oversee temporary berthing of oiled vessels and oversee final decontamination of oil spill recovery vessels and equipment.

The primary focus of this operation will be to expedite cleanup of the _____, _____, _____, _____ _____ , oiled vessels and response equipment in a safe, organized and efficient manner while minimizing further damage to the environment and waste generation.

Equipment decontamination is planned to occur in multiple phases roughly in this order:

1.
2.
3.

All equipment will undergo full decontamination prior to demobilization.

CERTIFICATE OF DECONTAMINATION

For this project, the equipment owner's representative will certify that equipment has been decontaminated. In the event of a dispute, the FOSC's representative shall provide final certification of decontamination.

All personnel involved in the cleaning operation will wear the proper modified PPE as defined in the Health & Safety Plan.

METHODOLOGY

The following describes the methodology for decontaminating impacted areas and equipment as well as the prioritization of decontaminating.

Preparing Decontamination Zones

A Hypalon liner or like (*impermeable membrane*) will be placed under each decon pool with the perimeter sufficiently bermed to allow for wastewater and rainwater evacuation. All wastewater will be pumped to a poly portable storage tank or vacuum truck for disposal. All pumps, hoses and piping will be left in place to facilitate speedy evacuation of retain. Wash water, oiled sorbents and disposable materials will be disposed in accordance with the Disposal Plan.

A citrus-based cleaning solution (PES 51 or like) will be utilized as a degreaser and will be applied by a hudson sprayer as applicable. By utilizing the PES 51 product, which will not emulsify the oily water, it is possible to reclaim the rinsates. This cleaning solution is citrus based and does not leave a petroleum sheen on the equipment after the cleaning process.

A MSDS for PES 51 is available by calling NRC Product Sales Department - Joe Smith at (206) 768-1461.

Pressure washing will require a Landa (or like) hot/cold pressure washer with a temperature range up to 220° F and a pressure rating up to 3000 psi. Every attempt will be exercised to mitigate noise-generating equipment by placing it in insulated areas.

Once the piece has been determined clean to the owner's standard, the equipment will be transferred to the designated "clean" holding area.

Areas Requiring Decontamination

_____

Decontamination of the _____ will be completed by removing all spilled product on, under and around the _____. The first priority will be decontamination on and around the _____to allow inspection and testing by facility personnel. Once facility personnel are permitted to access to the _____ the focus will switch to the water ways where individual piles and sections of riprap will be identified for manual cleaning or passive decontamination based on their level of coverage.

Where permissible, decontamination will be completed on all solid surfaces by hot or cold pressure washing in areas that allow the collection of all rinsate. A Hypalon liner may be used to facilitate rinsate containment and recovery. Bermed work areas along with a waiting vacuum truck will be utilized to collect all liquids produced in the process. In areas where run off cannot be contained, the use of controlled spray of PES 51 or other nontoxic biodegradable solution and manual wiping with cloth rags will be utilized for the removal of attached oil on solid surfaces.

Piles and riprap will require low pressure flushing to remove clingage, to be conducted from skiffs under the docks. Each work area will be pre-boomed to contain any free floating oil that enters the water and will be immediately collected using sorbent pads or mechanical skimming techniques as appropriate. A vac truck with drum skimmer will be available at the spill site to meet this need.

Oil Spill Response Vehicles

The primary decontamination of oil spill response vehicles (OSRVs) will occur at _____ where a boat lift is available. A secondary decontamination area for OSRVs is located at _____ where _____ ton crane is available. _____ is only to be used in the event that the primary location (_____) becomes full. Gross decontamination of vessels should occur before they cross the bay to access _____ for complete decontamination. The following vessels have been identified for decontamination as of _/_____/_____ (_____0 hrs):

* required tank entry
** ocean barge will be decontaminated at the _____

When vessels are not underway they will be secured at _____ and contained with boom until they are no longer needed. Decontaminated vessels that are being demobilized will be secured at _____.

Each vessel will be placed inside standard contractor containment boom during the decontamination process. This decontamination zone may utilize a boom anchoring system to prevent the collapse of the perimeter protection during tidal changes and surges.

Preplanning for protection of adjacent areas shall be accomplished in order to minimize cross contamination. Floating oil from sheen-emanating vessels will be minimized with sorbents as necessary to reduce potential loss outside the containment boom. Floating sorbent materials shall be utilized in natural collection points as needed to retain free-floating oil. These sorbents will be tended continuously.

All vessels, with the exception of the _____, _____ and _____, will be hauled from the water utilizing the facilities at _____, if needed. The vessel will be transferred to an impermeable bermed area. The vessel will then be blocked using jack stands and wood cribbing. A decontamination team will be assigned to the bermed area. Most OSRVs require the hull to be pressure washed and wiped to remove residual oil. Some OSRVs may also require cleaning of skimming units, tanks, decks and other ancillary equipment.

The _____ will require mobile decontamination teams assigned to its moored location. A mobile decon team will be comprised of one supervisor, three laborers, an equipment operator and a designated representative. A vessel specific plan will be developed for the _____ to ensure that skimming equipment, storage tanks, piping systems, deck gear and the vessel hull is cleaned to standards provided by the FOSC's designate. A marine chemist will be utilized to determine tank entry requirements.

A Confined Space Permit will be completed for entry into Confined Spaces as defined in the Health & Safety Plan. A sample of the Confined Space Permit is also available in the Health & Safety Plan.

Non-Response Commercial Vessels

A decontamination area will be set up at _____. This decontamination area will include _____ fire hoses and a skimmer vessel with absorbent boom. Ships directed by the FOSC to receive

decontamination will enter the decontamination area and be washed with a high-pressure water stream. As the water stream enters _____, the skimmer vessel will collect the petroleum with sorbent boom. At the direction of the on-scene personnel, the sorbent boom will be collected, disposed of as per the Disposal Plan, and replaced.

Containment Boom and Portable Equipment

A separate decontamination area will be identified for containment boom and portable equipment. _____will position a Shoreline Cleanup Trailer at _____ to provide a support zone to be used for consumable supplies. Physical cleaning will be conducted with pressure washers, biodegradable cleaners and hand wiping. All rinsate will be contained in an impermeable bermed area. All liquids collected by a vacuum truck. All disposable equipment and PPE should be segregated and disposed of according to the Disposal Plan.

Equipment Priority

A priority assessment will be attached to each piece of equipment to ensure a timely flow of equipment through the cleaning process. The _____ Decontamination Manager will prioritize the OSRVs to be cleaned. Depending upon priority, equipment will be hauled by the _____ / travelift.