

90% Remedial Design

Volume II – Part III

Emergency Response Plan Outline

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## Emergency Response Plan Outline

The Remedial Action Contractor (contractor) will be required to develop an Emergency Response Plan (ERP), as part of their Remedial Action Work Plan (RAWP), to establish response procedures in the event of an emergency during construction to conform with the project requirements described in Lower Duwamish Waterway upper reach Pre-Final (90%) Specifications (Volume III) Sections 01 35 29 (Health and Safety) and 01 35 43 (Environmental Procedures). The RAWP (and ERP) must be submitted to and approved by the Owner and U.S. Environmental Protection Agency (EPA) prior to Construction Notice to Proceed, in accordance with Specification Section 01 33 00 (Submittals). No construction activities may be performed by the contractor prior to the approval of the RAWP.

Emergencies during construction may be related to, but not limited to, hazardous materials (visible or odorous chemical contaminants); general physical hazards (road and vessel traffic/operations, moving equipment, sharp/hot/ slippery/uneven surfaces, falling overboard, manual lifting, etc.); presence of equipment (live electrical wires or equipment, underwater pipelines or cables); vessel and boat operations (unsafe boating practices or equipment failure while operating a boat); vessel traffic (unsafe boating practices or equipment failure during navigation); fires or explosions; and personal injury, spills, and spill containment.

The ERP will describe the following:

1. Pre-emergency planning and preparation activities, such as recognition of potential hazards; minimum required emergency equipment; protocols for minimizing risks and ensuring all field personnel are aware of the ERP; plan for ERP review by all field personnel as part of the overall training program for Work Site operations; and plans for meetings with the Implementing Entity, EPA, and local emergency responders
2. Personnel roles and responsibilities (i.e., responsible parties and chain of command in the case of an emergency)
3. Emergency response measures and procedures, such as recognition of emergency situations and emergency alerting; preliminary response procedures for personal accidents (with victims) and nonpersonal incidents (e.g., fire, explosion, property damage, or environmental releases/spills); hazard communication strategy to contractor employees and subcontractors; safe distances and places of refuge; Work Site security and control; emergency evacuation routes (including to nearest hospital); rescue and decontamination procedures; and emergency medical treatment and first aid
4. Notification procedures in case of an emergency to specific parties and their contact information
5. Reporting and documentation to be completed following an emergency

6. Revisions to ERP during construction (revisions and updates to the emergency procedures, as required and necessary [i.e., new or changing site conditions or information] and resubmittal procedure to the Project Representative for additional review)

The ERP will conform to the specific requirements of the following project Specifications:

- Section 01 35 29 (Health and Safety), Articles 1.04 and 1.09
- Section 01 35 43 (Environmental Procedures), Articles 1.10 and 3.10

The ERP must be compatible and integrated with the disaster, fire, and /or emergency response plans of local, state, and federal agencies.