# DELTA WESTERN, LLC
# SITKA SAMSON FACILITY

# OIL DISCHARGE PREVENTION AND CONTINGENCY PLAN (CPLAN)

# RESPONSE SCENARIO

required by:
18 AAC 75.449(a)(6)

Last Revised: Not Applicable (Original Issuance, New Plan)

# Table of Contents

The table of contents provides a structured guide for navigating this document. Certain tables, figures, forms, and other embedded elements are assigned page numbers. While in most cases these page numbers appear on the pages, some do not.

# Cross-Reference Table

While this response scenario is presented in the order shown in 18 AAC 75.449(a)(6), the following cross reference tables are provided to direct the reader to the appropriate information.

## 18 AAC 75.449(a)

| Citation | Description | Response Scenario Section | Diesel Scenario Section | CPLAN Section |
|---|---|---|---|---|
| (a)(6) | Response scenario | 1 | -- | -- |
| (a)(6)(A) | Response scenario details | 1.1 | -- | -- |
| (a)(6)(B) | Timeline and response action description | 0 | ICS-201, ICS-204, ICS-204a (TF-1 thru TF-8) | -- |
| (a)(6)(C) | Procedures to stop the discharge | 1.3 | -- | 1.1 |
| (a)(6)(D) | Methods to prevent a fire hazard | 1.4 | -- | 1.7 |
| (a)(6)(E) | Surveillance and tracking | 1.5 | ICS-204a (TF-4) | -- |
| (a)(6)(F) | Protecting environmentally sensitive areas and areas of public concern | 1.6 | ICS-204a (TF-5), ICS-232 | 1.6, 3.9 |
| (a)(6)(G) | Containing/controlling spills | 1.7 | -- | 1.1 |
| (a)(6)(H) | Recovering contained/controlled oil | 1.7 | ICS-201 (Page 4), ICS-204a (TF-1 thru TF-3) | -- |
| (a)(6)(I) | Lightering, transferring, and storage of oil | 1.8 | ICS-204a (TF-8) | -- |
| (a)(6)(J) | Recovered oil and oily water | 1.9 | ICS-204a (TF-8), Table 2-2 | -- |

| Citation | Description | Response Scenario Section | Diesel Scenario Section | CPLAN Section |
|---|---|---|---|---|
| (a)(6)(K) | Temporary storage and ultimate disposal | 1.10 | ICS-204a (TF-1 thru TF-3, TF-8) | -- |
| (a)(6)(L) | Decanting | 1.11 | -- | -- |
| (a)(6)(M) | Protecting potentially affected wildlife | 1.12 | ICS-204a (TF-7), ICS-232 | 3.7 |
| (a)(6)(N) | Shoreline cleanup | 1.13 | ICS-204a (TF-6) | -- |
| (a)(6)(O) | Additional response strategies | Not Applicable | | |

## Supporting Documents

| Citation | Description | Plan Section |
|---|---|---|
| -- | Response scenario presented on ICS forms and oil recovery and temporary storage tables | 2, 2.1 |
| -- | Diesel Scenario | **Error! Reference source not found.** |
| -- | Spill Trajectory Model Development and Background | 3.4 |

# 1 Response Scenario Introduction

**18 AAC 75.449(a)(6)**

As allowed by 18 AAC 75.449(a)(6), Delta Western, LLC (DW) has prepared this stand-alone response scenario as a document separate from the Oil Discharge Prevention and Contingency Plan (CPLAN). This document is incorporated by reference in Section 1.6 of the Delta Western, LLC Sitka Samson CPLAN.

This scenario was prepared to be a written description of a hypothetical spill and response that demonstrates DW's ability, using the resources described in the above-reference CPLAN, to respond to a discharge of each applicable response planning standard volume within the required time frames under 18 AAC 75.430 – 18 AAC 75.442 and under environmental conditions that might reasonably be expected to occur at the discharge site.

The response scenario is written to be useable as a general guide for a discharge of any size, and describes the discharge containment, control, recovery, transfer, storage, and cleanup actions that may be taken, and clearly demonstrates the strategies and procedures that may be used to conduct and maintain an effective response, consistent with ensuring the safety of personnel.

This document references the Spill Tactics for Alaska Responders (STAR) Manual[1] as it relates to how DW may comply with the various sections of 18 AAC 75.449(a); additionally, DW may implement or reference locally relevant Geographic Response Strategies (GRSs). The intent of inclusion of this content is to provide responders with access to relevant information that they can utilize when developing their planned approach. Not all elements of tactics and strategies included are intended to be employed in every case. The actual means of response will be based on the individual drill, exercise or incident.

## 1.1 Response Scenario Details

**18 AAC 75.449(a)(6)(A)**

| | |
|---|---|
| Location | Sitka Samson |
| Time of Year | Spring |
| Time of Day | 0600 Alaska Daylight Time |

[1] The citation for the STAR Manual, and a link to access it, is included in Section 3.3.

| | |
|---|---|
| Source | Tank 3 |
| Cause of Spill | A brittle fracture causes Tank 3 to have a catastrophic failure of the upper shell. The Secondary Containment Area (SCA) wall also fails, and diesel is released outside of the SCA into Starrigavan Bay. |
| Quantity of Oil Spilled[2] | Adjusted Response Planning Standard (RPS): 60,442 gallons<br>Estimated Percentage of RPS to Reach Open Water: 63%<br>Estimated Volume of RPS to Reach Open Water: 38,078 gallons |
| Type of Oil Spilled | Diesel |
| Spill Trajectory | For this scenario, assuming an average current of 1 knot and a maximum 10 knot wind from the southeast, product is projected to move at approximately 1.5 miles per hour (7,920 feet per hour). This estimate is derived by adding three percent of the wind speed to the current.<br>The portion of the spill that reached open water was southeast adjacent of the Samson Dock and is moving southwest with the wind and the tide. |
| Weather | Temperature: 50 °F<br>Wind: 10 knots from the southeast<br>Other: Overcast |
| Sea State | Light chop to 2 feet |
| Visibility | 25 mile(s) |
| Operational Period Duration and Timing | 24 hours<br>1: 04-15, 0600 to 04-16, 0600 [hours 0 to 24]<br>2: 04-16, 0600 to 04-17, 0600 [hours 24 to 48] |

[2] The information in this section is based on the information provided in Section 5 of the Delta Western, LLC Sitka Samson CPLAN.

## 1.2 Timeline and Response Action Description

**18 AAC 75.449(a)(6)(B)**

The anticipated timeline and response actions are presented throughout the ICS-201, ICS-204, and ICS-204a forms[3].

## 1.3 Procedures to Stop the Discharge

**18 AAC 75.449(a)(6)(C)**

DW personnel are trained to follow the initial control and containment steps. These steps include the following, as applicable:

- Stop the flow at the source (i.e. shutoff valves, plug leaks, upright containers, etc.)
- Transfer product out of damaged tank, vessel, and/or piping
- Assess and implement prompt removal actions to contain and remove the spill substance (i.e. utilize shovels, sorbents, etc. to remove product)
- Deploy containment boom and response equipment, as needed
- Construct a containment berm
- Divert discharged oil to a collection area

In order to prevent further spread of a spill, DW may implement a decontamination plan as part of the incident-specific safety plan. In developing the decontamination plan, Occupational Safety and Health Administration (OSHA) guidance suggests the following listed information should be considered:

- Determine the number and layout of decontamination stations
- Determine the decontamination equipment needed
- Determine appropriate decontamination methods
- Establish procedures to prevent contamination of clean areas
- Establish methods and procedures to minimize worker contact with contaminants during removal of personal protective clothing and equipment (PPE)
- Establish methods for disposing of clothing and equipment that are not completely decontaminated

DW may reference additional OSHA decontamination guidance in developing and implementing the incident-specific decontamination plan.

[3] All ICS forms referenced throughout this document can be found in Section 2.1.

Additional details can be found in Section 1.1 of the Delta Western, LLC Sitka Samson CPLAN.

## 1.4 Methods to Prevent a Fire Hazard

**18 AAC 75.449(a)(6)(D)**

The following actions may be taken to prevent or control a potential fire hazard[4]:

- Warn persons in the immediate area, activate internal alarms, and call 911
- Eliminate sources of ignition, if safe to do so
- Extinguish flames, if safe to do so
- Shut-off the main electrical power supply

The facility has two emergency stops located on the southwest end of the TTLR. See Section 1.7 of the Delta Western, LLC Sitka Samson Facility CPLAN for facility diagrams.

## 1.5 Surveillance and Tracking

**18 AAC 75.449(a)(6)(E)**

DW has identified the following procedures/methods that may be used to track discharged oil on land or open water and forecast its expected points of shoreline contact as follows:

- Tide tables
- Projected trajectories utilizing spill modeling software[5]
- National Weather Service support staff[6]
- Visual surveillance[7]
    - Via land (primary on foot, but may be supported by vehicles, if needed)
    - Via air (utilizing aircraft [planes or helicopters] or drones)

[4] DW personnel are not trained or qualified to fight a fire of any significance (i.e., beyond that which can be extinguished with a 20 lb. fire extinguisher). Any actions beyond those described herein will require trained firefighting personnel, which will be mobilized by calling 911.

[5] Projected trajectories for the response scenario provided in Section 2.1 are found on the corresponding ICS-204a forms for the aerial surveillance task force. The spill trajectory maps in for the response scenario were developed utilizing the National Oceanic and Atmospheric Administration's (NOAA's) WebGNOME system. Additional information regarding how these spill trajectory maps were generated is provided in Section 3.4. During a real spill response, model input parameters can be set to current conditions, updated, and adjusted, as needed to predict potential product movement.

[6] The National Weather Service is a resource for weather forecasting and trajectory projections.

[7] Visual surveillance via air is anticipated to be reserved only for large incidents that involve the standup of an Incident Management Team (IMT)/Spill Management Team (SMT) with a Unified Command.

- Via sea (by vessel)

Additionally, the following STAR Manual tactics may be implemented or referenced:

- Plume delineation, land – B-II-1
- Discharge tracking on water – B-II-2
- Aerial observations supporting nearshore operations – B-II-3

## 1.6 Protecting Environmental and Areas of Public Concern

**18 AAC 75.449(a)(6)(F)**

Environmentally sensitive areas (ESAs) and areas of public concern are identified in Delta Western, LLC's Sitka Samson Facility CPLAN (Section 3.9); the specific areas to be protected for this hypothetical spill scenario are presented on the ICS-232 and ICS-204a (TF-5) forms. As the facility is located adjacent to a defined GRS site, strategies outlined in the narrative sections of the ICS-232 forms and the ICS-204a Task Force replicate guidelines strategies of the GRS for use. Additionally, as discussed in Section 1.6 of Delta Western, LLC's Sitka Samson Facility CPLAN, in the event of a spill impacted lands owned/managed by the Alaska Department of Natural Resources (ADNR), notification, consultation, and coordination with ADNR is required.

DW has identified the following tactics that may be used to protect ESAs and areas of public concern:

- Stop the flow at the source
- Assess and implement prompt removal actions to mitigate the spread
- Deploy containment boom and response equipment at the source, as needed
- Deploy exclusion or deflection boom
- Engage with staff from wildlife trustee agencies
- Initiate passive wildlife protection

Additionally, the following STAR Manual tactics may be implemented or referenced:

- Exclusion boom – B-III-12
- Deflection boom – B-III-13
- Beach berms and exclusion dams – B-III-14
- Cold water deluge – B-III-15

Relevant GRSs may also be implemented or referenced.

## 1.7 Spill Containment and Control

**18 AAC 75.449(a)(6)(G), 183 AAC 75.449(a)(6)(H)**

Containment and control strategies that may be utilized can be found on the corresponding ICS-204a forms included in Sections 2.1 (ICS-204a for TF-1 thru TF-3).

Additionally, the following STAR Manual tactics may be implemented or referenced:

- Booming basics – B-III-1
- Containment boom – B-III-2
- Dikes, berms, and dams – B-III-3
- Pits, trenches, and slots – B-III-4
- Nearshore free-oil recovery – B-III-5
- On-water free-oil recovery – B-III-6
- On-land recovery – B-III-7
- Diversion boom – B-III-8
- Marine recovery – B-III-9
- Shoreside recovery – B-III-10
- Passive recovery – B-III-11

Relevant GRSs may also be implemented or referenced.

## 1.8 Lightering, Transfer, and Storage of Oil

**18 AAC 75.449(a)(6)(I)**

The following lightering, transfer, and storage procedures have been identified for use in the event DW has to transfer all oil from damaged tank(s), and from undamaged tanks that might be at risk of discharging oil, in the shortest possible time. The most likely scenario would be a tank-to-tank transfer followed by a tank-to-barge transfer. As the latter is only possible in certain circumstances, this section focuses on the procedures of tank-to-tank transfers.

The identified lightering, transfer, and storage procedures are as follows:

- Assess the damaged tank(s) and all associated piping, and valves; isolate the tank(s) and validate other equipment for suitability of transfer operations
- Align existing piping and valves to allow for transferring oil from the affected tank(s) to the receiving tank(s), if available
- Gauge the receiving tank(s) to ensure sufficient ullage
- Test the overfill alarm(s) on the receiving tank(s)
- Initiate transfer operations

If there is no existing piping and valves that allow for transferring oil directly from the affected tank(s) to the receiving tank(s), DW can utilize a portable transfer pump with fuel hoses to transfer product through the water draws on the affected tank(s).

Lightering, transfer, and storage procedures that may be utilized can be found on the corresponding ICS-204a forms included in Section 2 (Section 2.1, ICS-204a TF-8). In both scenarios lightering and transfer operations are expected to be initiated within the first operational period as demonstrated below:

- Diesel Scenario: All required equipment for Task Force 8 (Section 2.1, ICS-201 Page 4) will be onsite by 04-15, 12:00[8].

Additionally, the following STAR Manual tactics may be implemented or referenced:

- Marine-based storage and transfer of oily liquids – B-III-16
- Land-based storage and transfer of oily liquids – B-III-17
- Pumping oily liquids – B-III-18

In the unlikely event that insufficient storage capacity is available in onsite tankage, temporary storage may be utilized. Temporary storage options are shown on Page 4 of the ICS-201 forms included in Section 2.1as well as on the Temporary Storage Tables found in each of these sections.

## 1.9 Recovered Oil and Oily Water

**18 AAC 75.449(a)(6)(J)**

The procedures for transfer and storage of recovered oil and oily water described herein were developed to demonstrate that DW has adequate temporary storage and removal capacity to keep up with skimming and recovery operations[9]. The procedures that may be utilized can be found in Section 8 of the corresponding ICS-204a forms (Section 2.1, TF-8 ICS-204a).

All equipment to be utilized (pumps, hoses, fittings, drums, totes, tank trucks, tankage, etc.) is compatible with the oil being transferred and stored. Portable containers and/or tank trucks will be the primary method of transporting oil and oily water from the spill site to a more secure location.

Additionally, the following STAR Manual tactics may be implemented or referenced:

[8] While all required equipment for lightering and transfers will be onsite by 04-15, 12:00, safety will take priority.
[9] Table 2-2 presents the estimated oil recovery and temporary storage for this hypothetical spill scenario.

- Marine-based storage and transfer of oily liquids – B-III-16
- Land-based storage and transfer of oily liquids – B-III-17
- Pumping oily liquids – B-III-18

Volumes of recovered oil and oily water will be calculated consistent with STAR Manual Appendix C or by other means agreed upon by DW and the Alaska Department of Environmental Conservation (ADEC).

With respect to the scenario, the volume of oil recovered during each operational period by piece of equipment is presented on the Oil Recovery Table contained at the end of Section 2.1 (Table 2-2).

These values were calculated as follows:

Quantity of Equipment x EDRC converted to gal/hr[10] x Hours Operating = Oil Recovered

An example is shown below for reference.

Diesel Scenario (Section 2.1) – Oil Recovery Table – Spill to Water

Operational Period 1, Task Force 2 has a single Aquaguard RBS Triton 35 Skimmer operating. The skimmer has an EDRC of 47,796 gallons per day (or 1,991 gallons/hour) and operates for nine (9) hours during the first operational period.

1 skimmer x 1,991.5 gallons/hour x 9 hours = 17,923.5 gallons of oil recovered

As demonstrated by the Oil Recovery Tables in Section 2.1 (Table 2-2), DW has calculated the projected recovery volume and confirmed that all oil can be recovered by the end of the first operational period (i.e., 11 hours). Temporary storage for these liquids is covered in the following section.

## 1.10 Temporary Storage and Ultimate Disposal

**18 AAC 75.449(a)(6)(K)**

The procedures and locations for temporary storage and ultimate disposal of oil-contaminated materials, oily wastes, and sanitary and solid waste described herein were

[10] Note: the EDRC presented on the Oil Recovery tables is presented in gallons per day, thus this value was divided by 24 hours in order to obtain gallons per day.

developed to demonstrate that DW has adequate temporary storage and removal capacity to keep up with recovery operations. The procedures and locations that may be utilized can be found on the corresponding ICS-204a forms (TF-1 thru TF-3, and TF-8) [Section 2.1]).

All temporary storage to be utilized (drums, totes, tank trucks, tankage, etc.) are compatible with the oil being transferred and stored.

Additionally, the following STAR Manual tactics may be implemented or referenced:

- Marine-based storage and transfer of oily liquids – B-III-16
- Land-based storage and transfer of oily liquids – B-III-17
- Pumping oily liquids – B-III-18

DW has developed a Waste Management Plan (WMP) template for quick implementation in the event of a release that requires a formal WMP to be written. The WMP template defines anticipated waste streams, labelling, required permits and authorizations, and disposal options. A generalized version of this is provided below.

DW will recycle or dispose of all spill-related wastes generated in an environmentally sound and timely manner. An incident-specific WMP may be written at the request of the Incident Commander / Unified Command and is intended to be incident specific while addressing the following items[11].

| | |
|---|---|
| Storage / Segregation | Contaminated waste shall be separated by waste stream type and location where the waste was recovered.<br><br>Any material that is generated or recovered that may be categorized as hazardous waste, hazardous material, hazardous substance, radioactive, biohazard, or other regulated material shall be handled accordingly pursuant to applicable state, federal, and local laws and regulations.<br><br>Typical categories of waste include liquids, solids, wildlife, and municipal wastes. |
| Storage containers | Containers shall be labeled as to the type of segregated contents, accumulation date(s), and location where the waste was collected. |
| Temporary storage sites[12] | Identification of appropriate sites (level, contained, and secure). |

[11] A WMP is not anticipated to be developed for spills that do not require a full IMT/SMT activation.
[12] Conex box containers located in the Samson Yard may be used as temporary storage staging areas for recovered product.

| | |
|---|---|
| Reporting & permits | Contact appropriate federal, state, and local agencies having waste management oversight to ensure compliance. |
| Quantification | Define methodology for calculating amount of recovered product with applicable regulatory agency partner(s). |
| Characterization | Prior to waste transportation and disposal, the waste streams must be characterized in accordance with federal, state, and local laws and regulations |
| Transportation | Wastes are only to be transported by permitted, licensed, qualified, and approved transportation companies. |
| Disposal | Obtain waste manifests or other shipping documents as proof of disposal. |

While final disposal sites will be determined based on waste characterization, transportation constraints, and availability, typical vendors for waste generated from the Sitka Samson Facility include but are not limited to:

- Full Cycle
- Waste Management

A Job Aid specific to waste management and disposal is also available through ADEC's Spill Response Permits and Tools Page; a link to this page is provided in Section 3.2.

## 1.11 Decanting

**18 AAC 75.449(a)(6)(L)**

Under the hypothetical spill scenario described herein, DW does not anticipate, nor rely on, decanting to meet temporary oil storage requirements. Additionally, DW anticipates relying primarily on mechanical recovery to cleanup oil spills. In the event decanting becomes necessary, DW will apply to the State On Scene Coordinator for approval.

A decanting guidance document, decanting permit application, and decant log are available through ADEC's Spill Response Permits and Tools Page; a link to this page is provided in Section 3.2.

## 1.12 Protecting Potentially Affected Wildlife

**18 AAC 75.449(a)(6)(M)**

The procedures, methods, and equipment that would be used for the protection, recovery, disposal, rehabilitation, and release of potentially affected wildlife described herein were developed to demonstrate that DW's proposed response action follow best practices and recommendations in the Alaska Regional Response Team *Wildlife Protection Guidelines for Oil Spill Response in Alaska*, Version 2020.02, dated September 2023. The procedures, methods, and equipment that may be utilized can be found on the corresponding ICS-204a form. Additionally, potential wildlife resources at risk are identified on the ICS-232 form.

Additional resources specific to wildlife, fish, and their habitats are also available through ADEC's Spill Response Permits and Tools Page under the heading "WILDLIFE, FISH, AND THEIR HABITATS"; a link to this page is provided in Section 3.2. Additionally, NOAA's Pinniped and Cetacean Oil Spill Response Guidelines and the Arctic Marine Mammal Disaster Response Guidelines provide guidance on dealing with marine mammals during spill response (Ziccardi, et. al., 2015 and National Marine Fisheries Service [NMFS], 2017).

Preventative methods will be prioritized to first eliminate potential impacts to wildlife. If required, wildlife response actions would be coordinated through DW's Oil Spill Response Organization (OSRO)/Primary Response Action Contractor (PRAC), and the contracted resources they have in place[13], in consultation with wildlife resource agencies. Under these circumstances, means to minimize negative impacts to wildlife, may include:

- Keeping spilled oil away from wildlife and their habitats
- Preventing unnecessary or illegal disturbance to sensitive species and habitats[14]
- Preventing illegal collection of wildlife parts by spill response personnel[15]
- Preventing wildlife from coming into contact with cleaning agents and/or bioremediation substances used for shoreline treatment through hazing

The following outlines the scope of the wildlife resource agencies oversight and permitting authorities:

| | |
|---|---|
| NOAA NMFS | Provides oversight and permitting/authorizations for carcass collection, deterrence, and capture of marine mammals under their jurisdiction (NMFS, 2017). |
| United States Fish & Wildlife Service | Provides oversight for any actions that are taken with regards to sea otters, eagles, and migratory birds. |

[13] Additional information on DW's OSRO/PRAC contracted resources can be found in the Delta Western, LLC Stika Samson Facility CPLAN (Section 3.7).
[14] These could include, but are not limited to nesting raptors, seabird rookeries, and marine mammal haul out and pupping areas.
[15] The Bald and Golden Eagle Protection Act and the Marine Mammal Protection Act prohibit collection and possession of animal parts (including feathers from Bald Eagles).

| | |
|---|---|
| Alaska Department of Fish & Game | Provides oversight and permitting for hazing of migratory birds, and for carcass collection, hazing, and capture and rehabilitation of terrestrial animals. |

Federal and state laws and regulations limit the activities of DW personnel with respect to the handling of migratory birds, marine mammals, and other wildlife. Under these laws and regulations, it is illegal for anyone to take or handle marine wildlife except personnel from the responsible government entities or individuals authorized to take or handle marine wildlife by the proper authorities. Carcass disposal will not occur without coordination with wildlife resource agencies. Incident-specific protocols for the disposal of dead, oiled wildlife will be developed by the Environmental Unit with input from the wildlife resource agencies.

## 1.13 Shoreline Cleanup Procedures

**18 AAC 75.449(a)(6)(N)**

The procedures and locations for the deployment of shoreline cleanup equipment and personnel, including cleanup and restoration methods and techniques are described herein. These procedures and locations center around initial shoreline assessments conducted by a Shoreline Cleanup Assessment Technique (SCAT) Team[16] that is deployed to assess the impact of oil on shorelines and develop an incident-specific shoreline cleanup plan. All SCAT Team members must be trained to ensure proper implementation of cleanup tactics and equipment usage.

Once the incident-specific shoreline cleanup plan is approved, shoreline cleanup response and logistical support would be mobilized, and plan implementation initiated. The procedures and locations that may be utilized can be found on the corresponding ICS-204a form[17].

Additionally, the following STAR Manual tactics may be implemented or referenced:

- Beach berms and exclusion dams – B-III-14
- Cold water deluge – B-III-15

[16] SCAT Teams typically consist of personnel from a variety of entities including state and federal agencies, the responsible party, and landowners. Composition of SCAT Team may vary by location.

[17] A SCAT Team and incident-specific shoreline cleanup plan are typically reserved only for large incidents that involve the standup of an IMT/SMT with a Unified Command.

# 2 Response Scenario - ICS Forms and Oil Recovery & Temporary Storage Tables

This section depicts the hypothetical spill scenario laid out in Section 1.1 on ICS forms. ICS forms are utilized to be a useable format for responders and highlight specific tactics as well as operational needs (personnel and equipment). It should be noted that these ICS forms focus on response actions anticipated to be taken by DW with support from their OSRO/PRAC utilizing equipment owned/operated by DW and/or their OSRO/PRAC. It should be noted here that these forms do not rely on, nor utilize, any equipment or personnel that would be available from the state or federal agencies during an actual response.

Additionally, this section contains the oil recovery calculations and temporary storage needs to demonstrate that DW can, using the resources described in the above-reference CPLAN, to respond to a discharge of each applicable response planning standard volume within the required time frames under 18 AAC 75.430 – 18 AAC 75.442 and under environmental conditions that might reasonably be expected to occur at the discharge site.

These scenarios assume the following overall objectives and strategies:

| | |
|---|---|
| Safety Actions | Ensure safety of all responders and the public |
| Source Control | Secure the release as soon as possible and as close to the source as possible; mitigating spread |
| Contain, Control, and Recovery of Oil | Maximize mechanical containment, control, and recovery of oil; minimize impacts to shorelines and wildlife; obtain all necessary permits; prepare and implement cleanup on-land and on-water; minimize the generation of waste; ensure effective waste management |
| Protection of ESAs and Areas of Public Concern | Identify and protect ESAs and areas of public concern; protect wildlife resources; following the *Wildlife Protection Guidelines for Oil Spill Response in Alaska*; consult with wildlife resource agencies; obtain all necessary permits |
| Public Outreach | Communicate spill response information to the public, as appropriate; develop a process to receive public input; engage with stakeholders; establish and maintain a claims process |

## 2.1 Diesel Scenario

The Diesel scenario is presented on the pages that follow and is comprised of the following elements:

- Response Planning Standard[18]
- ICS-201 Incident Briefing Form
- ICS-204 and ICS-204a Assignment List and Assignment List A Attachments
- ICS-232 Resources at Risk
- Oil Recovery & Temporary Storage Tables

[18] Reiteration of the information provided in Section 5 of the Delta Western, LLC Sitka Samson CPLAN.

**Response Planning Standards - Alaska**

**Oil Terminal Facilities 18 AAC 75.432**

| **Volume of Largest Tank** (gallons) |
|---|
| **159,056** |

| **Prevention Measure** | **Possible Reduction** | **Realized Reduction** | **Discussion/Reference** | **Volume Reduction** (gallons) | **Adjusted Volume** (gallons) | |
|---|---|---|---|---|---|---|
| Alcohol and drug testing of key personnel | 5% | 5% | 18 AAC 75.432(d)(1) | 7,953 | 151,103 | |
| Operations training program with a professional organization or federal certification or licensing of program participants | 5% | 0% | 18 AAC 75.432(d)(2) | - | 151,103 | |
| On-line leak detection systems that automatically alarm at a facility control room that is continuously monitored, for tanks and piping | 5% | 0% | 18 AAC 75.432(d)(3) | - | 151,103 | |
| A sufficiently impermeable secondary containment area with a dike capable of holding the contents of the largest tank, or all potentially affected tanks in the case of increased risk, and precipitation | 60% | 60% | 18 AAC 75.432(d)(4) | 90,662 | 60,441 | |
| Cathodic protection for aboveground oil storage tanks and belowground facility piping within secondary containment | 10% | 0% | 18 AAC 75.432(d)(5)(A) | - | 60,441 | |
| Fail-safe valves on piping systems | 15% | 0% | 18 AAC 75.432(d)(5)(B) | - | 60,441 | |
| Impervious containment area extending under the full area of each storage tank | 25% | 0% | 18 AAC 75.432(d)(5)(C) | - | 60,441 | |
| Containment outside the secondary containment area | 10% | 0% | 18 AAC 75.432(d)(6) | - | 60,441 | |
| | | | **Total Adjusted RPS Volume** (gallons) | | **60,442** | **1,439** bbls |

| **Estimated of RPS to Remain On Land** |
|---|
| **37%** |

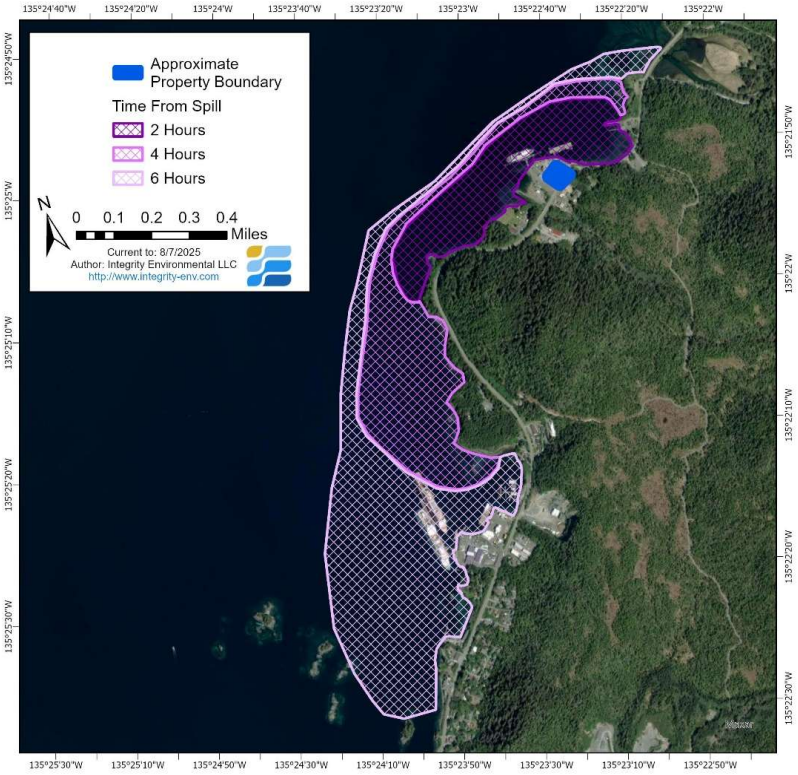
| | | |
|---|---|---|
| **Total Adjusted RPS to Remain on Land** (gallons) | **22,364** | **532** bbls |
| **Total Adjusted RPS to Reach Water** (gallons) | **38,078** | **907** bbls |

## ICS 201 Sitka Samson Facility Scenario

| 1. Incident Name | 2. Prepared By: | Delta Western, LLC | INCIDENT BRIEFING |
|---|---|---|---|
| Diesel | **Date:** 4/15 | **Time:** 0600 | **ICS 201-CG** |

**3. Map / Sketch**

(include sketch, showing the total area of operations, the incident sire/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines or other graphics depicting the situational status and resource assignment)




**4. Current Situation**

Incident priorities: See ICS-201 Page 2

| ICS 201 Sitka Samson Facility Scenario | | | | | |
|---|---|---|---|---|---|
| **1. Incident Name** | **2. Prepared By:** | | Delta Western, LLC | | **INCIDENT BRIEFING** |
| Diesel | **Date:** | 4/15 | **Time:** | 0600 | **ICS 201-CG** |

**5. Initial Response Objectives, Current Actions, Planned Actions**

Objectives:

Ensure safety of responders and the public
Contain, control, and recover spilled oil
Complete all required notifications
Mobilize resources
Protect environmentally sensitive areas and areas of public concern

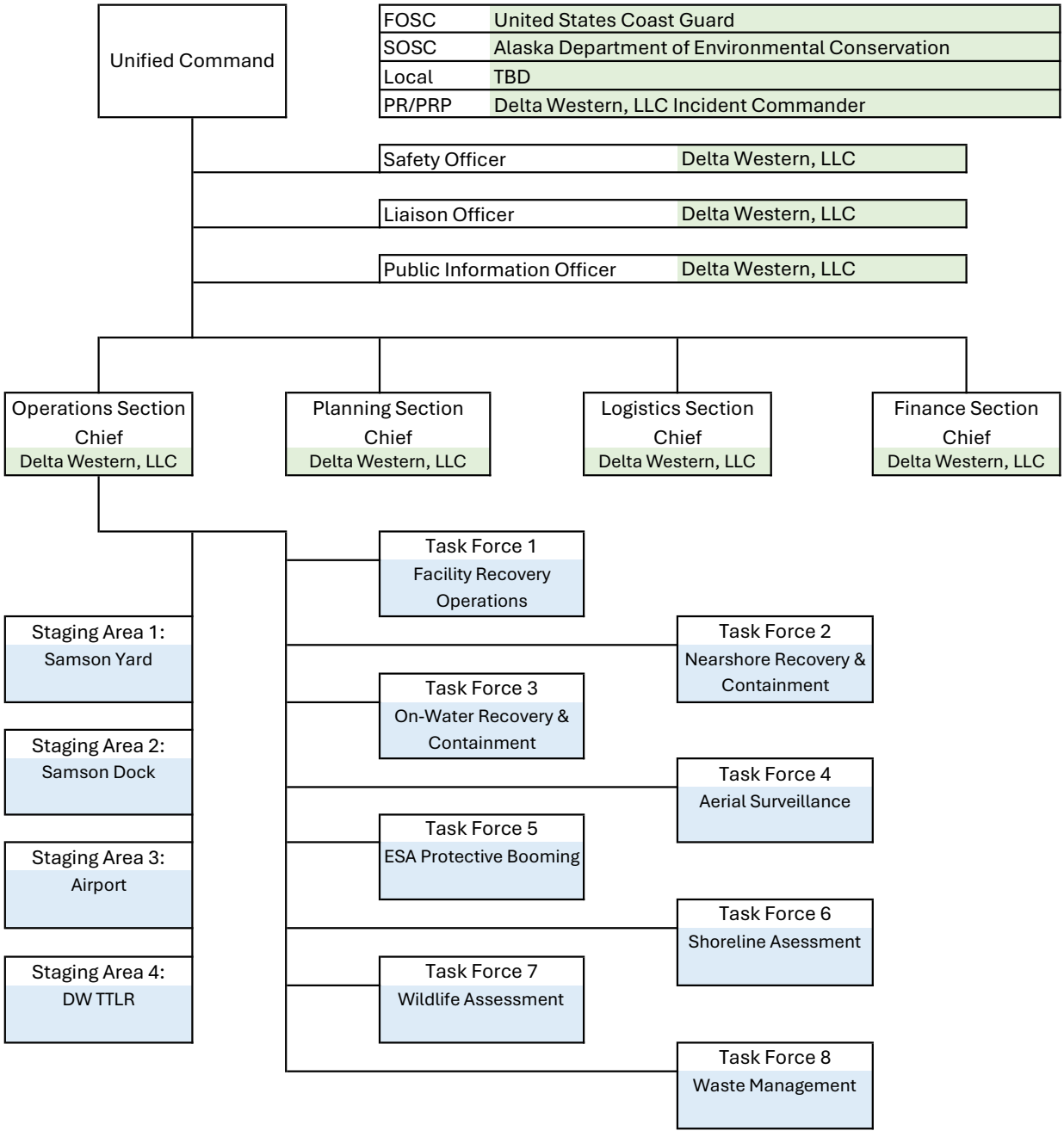
Current Actions / Planned Actions:

| TIME | ACTION |
|---|---|
| 0600 | Spill discovered |
| 0601 | Warn persons in the immediate area, activate internal alarms |
| 0602 | Eliminate sources of ignition |
| 0605 | Identify character, source, amount, and extent of the release and other pertinent informaiton needed for notification |
| 0615 | Discovering employee, supervisor, or Facility Manager notified QI of discovery |
| 0620 | QI notifies SEAPRO to request a responders and mobilization Sitka equipment |
| 0625 | Begin agency notifications (QI will initially notify NRC and ADEC; additional notifications may be made later as deemed necessary) |
| 0630 | Complete initial notifications and assemble response personnel |
| 0640 | Operations/safety briefing by DW IOSC |
| 0650 | Begin initial control & containment - deploy DW skiff with 1000 ft. containment boom |
| 0745 | DW containment boom deployment complete and skimming begun |
| 0800 | SEAPRO confirms mobilization of personnel and equipment with a priority of on-water containment, recovery, and storage devices |
| 1000 | Initial aerial overflight is conducted; some oil observed to be contained within primary boom at dock<br>Oil is observed along north and west of dock |
| 1100 | SEAPRO equipment and responders arrive on scene; responders receive safety briefing and begin deployment of on-water containment and recovery equipment |

**ICS 201 Sitka Samson Facility Scenario**

| 1. Incident Name | 2. Prepared By: | Delta Western, LLC | INCIDENT BRIEFING |
|---|---|---|---|
| Diesel | Date: 4/15 | Time: 0600 | ICS 201-CG |

**6. Current Organization**




Note: Where Delta Western, LLC or DW is listed, this position may be filled by a Delta Western, LLC employee, parent company personnel, or other contracted resources, as described in the Delta Western, LLC Sitka Samson Facility CPLAN. This applies throughout all ICS forms.

| ICS 201 Sitka Samson Facility Scenario | | | | | |
|---|---|---|---|---|---|
| **1. Incident Name** | **2. Prepared By:** | | Delta Western, LLC | | **INCIDENT BRIEFING** |
| Diesel | **Date:** 4/15 | | **Time:** 0600 | | **ICS 201-CG** |
| **7. Resources Summary** | | | | | |
| Resource | Resource Identifier | Date/Time Ordered | ETA | On-Scene (X) | Notes |
| Sorbent Pads (Bales) | 5 | | | X | Task Force 1 |
| Sorbent Boom (Bales) | 5 | | | X | Task Force 1 |
| Sorbent Rolls (38" x 144') | 5 | | | X | Task Force 1 |
| Hand tools, Plywood and liner | Various | | | X | Task Force 1 |
| Disposal bags (Black, heavy duty) | 2 rolls | | | X | Task Force 1 |
| Drum (Storage, Open Top, 55-gallon) | 10 | | | X | Task Force 1 |
| Responder | 3 | 04-15, 0620 | 04-15, 1100 | | Task Force 1 |
| Vac Truck | 1 | 04-15, 0620 | 04-15, 1100 | | Task Force 1 |
| Responder | 1 | | | X | Task Force 1 |
| Skimmer (Aquaguard RBS Triton 35) | 1 | | | X | Task Force 2 |
| Skimmer Pump (Selwood 2" HS50) | 1 | | | X | Task Force 2 |
| Containment Boom (Harbor Boom) | 1,000 ft | | | X | Task Force 2 |
| Tow Bridles | 1 | | | X | Task Force 2 |
| Anchor Systems (30/40 lb.) | 4 | 04-15, 0620 | 04-15, 1100 | | Task Force 2 |
| Anchor Systems (30/40 lb.) | 2 | | | X | Task Force 2 |
| Boom Lights | 4 | | | X | Task Force 2 |
| Skimmer Pump (Selwood 2" HS50) | 1 | | | X | Task Force 2 |
| Hose, suction (2" x 25') (camlocks) | 1 | | | X | Task Force 2 |
| Hose, discharge (2" x 50') (camlocks) | 1 | | | X | Task Force 2 |
| Storage Bladder (Unitor 100 $m^3$) | 2 | 04-15, 0620 | 04-15, 1100 | | Task Force 2 |
| Skiff (25' w/ 300 HP Outboard) | 1 | | | X | Task Force 2 |
| Storage - Tank Truck (2,800-gallon) | 1 | | | X | Task Force 2 |
| Responder | 1 | | | X | Task Force 2 |
| Responder | 4 | 04-15, 0620 | 04-15, 1100 | | Task Force 2 |
| Skimmer (Aquaguard RBS Triton 35) | 1 | 04-15, 0620 | 04-15, 1100 | | Task Force 3 |
| Containment Boom (8" x 12') | 2000 ft. | 04-15, 0620 | 04-15, 1100 | | Task Force 3 |
| Storage Bladder (Canflex FCB-25) | 4 | 04-15, 0620 | 04-15, 1100 | | Task Force 3 |
| Oil Spill Response Vessel (Bay Class) | 1 | 04-15, 0620 | 04-15, 1100 | | Task Force 3 |
| Responder | 6 | 04-15, 0620 | 04-15, 1100 | | Task Force 3 |
| Helicopter | 1 | 04-15, 0620 | 04-15, 1000 | | Task Force 4 |
| PPE (Mustang Suits) | 4 | 04-15, 0620 | 04-15, 1000 | | Task Force 4 |
| Responder | 1 | 04-15, 0620 | 04-15, 1000 | | Task Force 4 |
| Responder | 2 | 04-15, 0620 | 04-15, 1000 | | Task Force 4 |
| Responder | 1 | 04-15, 0620 | 04-15, 1000 | | Task Force 4 |
| Containment Boom (Foam, 8" x 12') | 1,100 ft | 04-15, 0620 | 04-15, 1100 | | Task Force 5 |
| Sorbent Boom (8") | 700 ft | 04-15, 0620 | 04-15, 1100 | | Task Force 5 |
| Skiff (19' w/ 115 HP Outboard) | 1 | 04-15, 0620 | 04-15, 1100 | | Task Force 5 |
| Responder | 2 | 04-15, 0620 | 04-15, 1100 | | Task Force 5 |
| Skiff (19' w/ 115 HP Outboard) | 1 | 04-15, 0800 | 04-15, 1100 | | Task Force 6 |
| Responder | 1 | 04-15, 0800 | 04-15, 1100 | | Task Force 6 |
| Responder | 2 | 04-15, 0800 | 04-15, 1100 | | Task Force 6 |
| Skiff (19' w/ 115 HP Outboard) | 1 | 04-15, 0800 | 04-15, 1100 | | Task Force 7 |
| Wildlife Hazing Kit | 1 | 04-15, 0620 | 04-15, 1100 | | Task Force 7 |
| Responder | 3 | 04-15, 0800 | 04-15, 1100 | | Task Force 7 |
| Pump (CH&E, 3") | 1 | 04-15, 0620 | 04-15, 1100 | | Task Force 8 |
| Storage - Tank Truck (2,800-gallon) | 2 | | | X | Task Force 8 |
| Responder | 2 | | | X | Task Force 8 |
| Responder | 1 | 04-15, 0620 | 04-15, 1200 | | Task Force 8 |

Note: If an "X" appears in the On-Scene column, the equipment and/or personnel are part of Delta Western, LLC. Non-DW owned equipment included in this response scenario is located at the SEAPRO Zone 5 Sitka hub, with the exception of the following:
- The SEAPRO skiff is located at the SEAPRO Zone 1 Ketchikan hub.
- The contracted vac truck would be contracted locally in Sitka.
- The contracted helicopter would be sourced through SEAPRO's Memorandum of Understanding (MOU) in Sitka.

## ICS 204 Sitka Samson Facility Scenario

| 1. Incident Name | 2. Operational Period | | ASSIGNMENT LIST |
|---|---|---|---|
| Diesel | **From:** 04-15, 0600 | **To:** 04-16, 0600 | **ICS-204 CG** |

| 3. Branch | 4. Division/Group/Staging |
|---|---|
| N/A; no branches included in this scenario | N/A; no divisions or groups included in this scenario; refer to page 3 of the ICS-201 for staging areas |

**5. Operational Personnel**

| Position | Name | Affiliation | Contact # (s) |
|---|---|---|---|
| Initial Incident Commander | Facility Manager | Delta Western, LLC | TBD |
| Operations Section Chief | Facility Personnel | Delta Western, LLC | TBD |

**6. Resources Assigned**

| Strike Team / Task Force / | Leader | Contact Info. # | # Of Persons | Notes/Remarks | |
|---|---|---|---|---|---|
| Task Force 1 | TF1 Leader | TBD | 5 | | X |
| Task Force 2 | TF2 Leader | TBD | 5 | | X |
| Task Force 3 | TF3 Leader | TBD | 6 | | X |
| Task Force 4 | TF4 Leader | TBD | 4 | | X |
| Task Force 5 | TF5 Leader | TBD | 2 | | X |
| Task Force 6 | TF6 Leader | TBD | 3 | | X |
| Task Force 7 | TF7 Leader | TBD | 3 | | X |
| Task Force 8 | TF8 Leader | TBD | 3 | | X |

**7. Assignments**

| | |
|---|---|
| Task Force 1 | Facility Recovery Operations |
| Task Force 2 | Nearshore Recovery & Containment |
| Task Force 3 | On-Water Recovery & Containment |
| Task Force 4 | Aerial Surveillance |
| Task Force 5 | ESA Protective Booming |
| Task Force 6 | Shoreline Asessment |
| Task Force 7 | Wildlife Assessment |
| Task Force 8 | Waste Management |

**8. Special Instructions**

All operations require personal protective equipment (PPE). Any on water, or near water, operations require a personal floation device (PFD). All response personnel must read the Site Safety and Health Plan when available. All response personnel are to read tides and currents when provided. Immediately report sightings of oiled wildlife to the Incident Commander.

**9. Communications (radio and/or phone contact numbers needed for this assignment)**

| Name / Function | Radio Freq. / System / Channel | Cell / Pager |
|---|---|---|
| Task Force 1 | 10 | TBD |
| Task Force 2 | 10 | TBD |
| Task Force 3 | 10 | TBD |
| Task Force 4 | 10 | TBD |
| Task Force 5 | 10 | TBD |
| Task Force 6 | 10 | TBD |
| Task Force 7 | 10 | TBD |
| Task Force 8 | 10 | TBD |

**Emergency Communications**

Medical: Evacuation: Other:

| 10. Prepared By | 11. Approved By |
|---|---|
| Planning Section | Unified Command |

## ICS 204a Sitka Samson Facility Scenario

| 1. Incident Name | 2. Operational Period | | ASSIGNMENT LIST A ATTACHMENT |
|---|---|---|---|
| Diesel | From: 04-15, 0600 | To: 04-16, 0600 | ICS-204a CG |

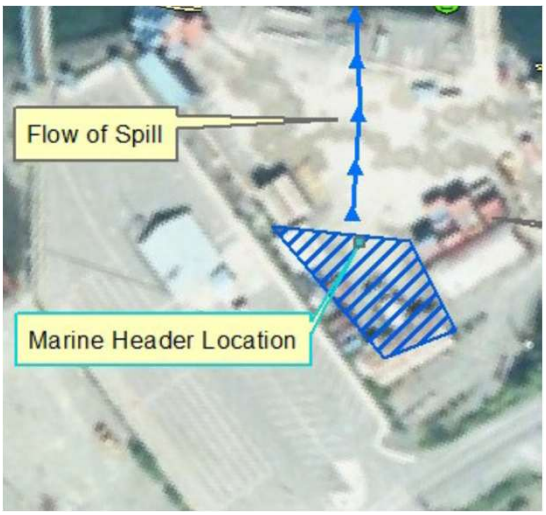
| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Refer to ICS-204 | Refer to ICS-204 |

| 5. Strike Team / Task Force / Resource (Identifier) | | 6. Leader | 7. Assignment Location |
|---|---|---|---|
| Task Force 1 | Facility Recovery Operations | TF1 Leader | Samson Yard |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Remove debris along flow of spill corridor area. Use hand tools to create berms along base of spill flow area to contain any mobile spilled product.

See STAR Manual Section: B-III-1 - Booming basics
See STAR Manual Section: B-III-7 - On-land recovery
See STAR Manual Section: B-III-17 - Land-based storage & transfer of oily liquids




***Special Equipment / Supplies Needed***

| Type | Quantity | | Equipment Details | Staging Area |
|---|---|---|---|---|
| Sorbent Pads (Bales) | 5 | DW | Deploy for passive recovery | Samson Yard |
| Sorbent Boom (Bales) | 5 | DW | Deploy for passive recovery | Samson Yard |
| Sorbent Rolls (38" x 144') | 5 | DW | Deploy for passive recovery | Samson Yard |
| Hand tools, Plywood and liner | Various | DW | | Samson Yard |
| Disposal bags (Black, heavy duty) | 2 rolls | DW | Storage for used sorbent material | Samson Yard |
| Drum (Storage, Open Top, 55-gallon) | 10 | DW | Storage for used sorbent material | Samson Yard |
| Responder | 3 | DW | | Samson Yard |
| Vac Truck | 1 | Contract | Use to transfer the released product | Samson Yard |
| Responder | 1 | Contract | Operate vac truck | Samson Yard |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| 10. Prepared By | Date / Time | 11. Reviewed By | Date / Time | 12. Reviewed By | Date / Time |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

## ICS 204a Sitka Samson Facility Scenario

| 1. Incident Name | 2. Operational Period | | ASSIGNMENT LIST A ATTACHMENT |
|---|---|---|---|
| Diesel | From: 04-15, 0600 | To: 04-16, 0600 | ICS-204a CG |

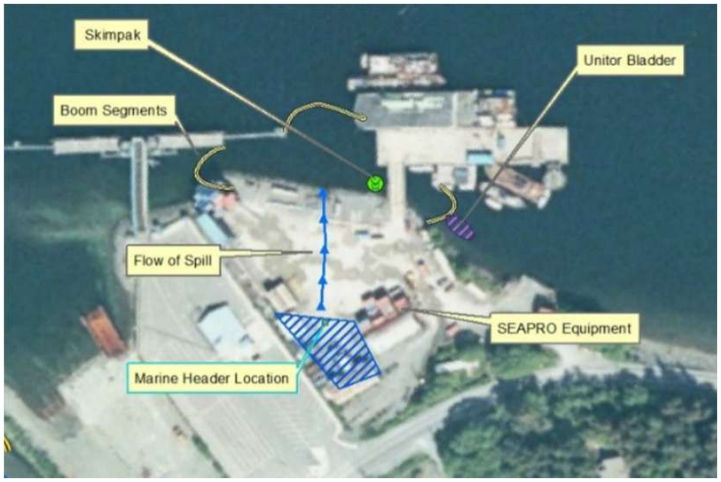
| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Refer to ICS-204 | Refer to ICS-204 |

| 5. Strike Team / Task Force / Resource (Identifier) | 6. Leader | 7. Assignment Location |
|---|---|---|
| Task Force 2 Nearshore Recovery & Containment | TF2 Leader | Samson Yard |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Deploy containment boom and recover oil on water using skimmers. Store recovered liquid in storage bladders. Pump recovered liquid to tank trucks for transfer to DW facility tanks and place bladder back in service.

See STAR Manual Section: B-III-1 - Booming basics
See STAR Manual Section: B-III-2 - Containment boom
See STAR Manual Section: B-III-6 - On-water free-oil recovery
See STAR Manual Section: B-III-9 - Marine recovery
See STAR Manual Section: B-III-16 - Marine-based storage & transfer of oily liquids




***Special Equipment / Supplies Needed***

| Type | Quantity | Equipment Details | | Staging Area |
|---|---|---|---|---|
| Skimmer (Aquaguard RBS Triton 35) | 1 | DW | Deploy within inner containment boom | Samson Yard |
| Skimmer Pump (Selwood 2" HS50) | 1 | DW | Use in conjuction with skimmer | Samson Yard |
| Containment Boom (Harbor Boom) | 1,000 ft | DW | Deploy three segments as shown in figure above | Samson Yard |
| Tow Bridles | 1 | DW | Used to assist in booming efforts | Samson Yard |
| Anchor Systems (30/40 lb.) | 4 | SEAPRO | Used to assist in booming efforts | Samson Yard |
| Anchor Systems (30/40 lb.) | 2 | DW | Used to assist in booming efforts | Samson Yard |
| Boom Lights | 4 | DW | Used to assist in booming efforts | Samson Yard |
| Skimmer Pump (Selwood 2" HS50) | 1 | DW | Used in conjuction with skimmer | Samson Yard |
| Hose, suction (2" x 25') (camlocks) | 1 | DW | Used in conjuction with skimmer | Samson Yard |
| Hose, discharge (2" x 50') (camlocks) | 1 | DW | Used in conjuction with skimmer | Samson Yard |
| Storage Bladder (Unitor 100 $m^3$) | 2 | SEAPRO | Skimmer will discharge to bladder | Samson Yard |
| Skiff (25' w/ 300 HP Outboard) | 1 | DW | Used to assist in skimming efforts-collection | Samson Yard |
| Storage - Tank Truck (2,800-gallon) | 1 | DW | Transfer of recovered efforts | Samson Yard |
| Responder | 1 | DW | Tank truck driver | Samson Yard |
| Responder | 4 | SEAPRO | | Samson Yard |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| 10. Prepared By | Date / Time | 11. Reviewed By | Date / Time | 12. Reviewed By | Date / Time |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

## ICS 204a Sitka Samson Facility Scenario

| 1. Incident Name | 2. Operational Period | | ASSIGNMENT LIST A ATTACHMENT |
|---|---|---|---|
| Diesel | From: 04-15, 0600 | To: 04-16, 0600 | ICS-204a CG |

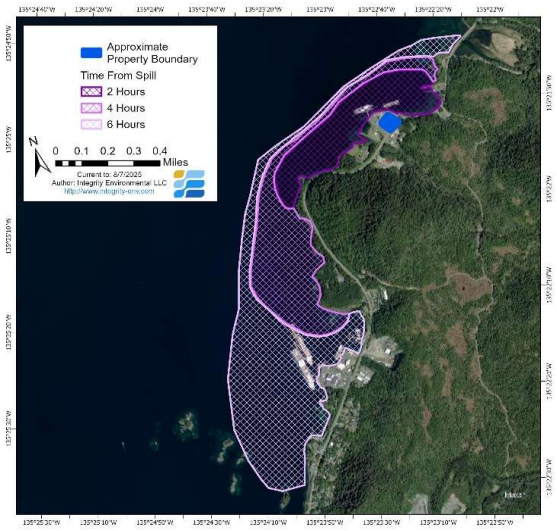
| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Refer to ICS-204 | Refer to ICS-204 |

| 5. Strike Team / Task Force / Resource (Identifier) | | 6. Leader | 7. Assignment Location |
|---|---|---|---|
| Task Force 3 | On-Water Recovery & Containment | TF3 Leader | Samson Yard |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Review spill trajectories and obtain on-scene reports of oil movement from field responders. Target containing product outside of initial booming efforts (secondary booming). Contain and recover free oil and prevent impact to sensitive resources. Anticipate tidal changes and shift assets to maximize oil recovery efforts. Recovered liquid is to be pumped to tank trucks for transfer to DW facility tanks.

See STAR Manual Section: B-II-2 - Discharge tracking on water
See STAR Manual Section: B-III-1 - Booming basics
See STAR Manual Section: B-III-2 - Containment boom
See STAR Manual Section: B-III-9 - Marine recovery
See STAR Manual Section: B-III-16 - Marine-based storage & transfer of oily liquids




***Special Equipment / Supplies Needed***

| Type | Quantity | Equipment Details | | Staging Area |
|---|---|---|---|---|
| Skimmer (Aquaguard RBS Triton 35) | 1 | SEAPRO | On-water skimming | Samson Yard |
| Containment Boom (8" x 12') | 2000 ft. | SEAPRO | Used to assist in the skimming efforts - collection | Samson Yard |
| Storage Bladder (Canflex FCB-25) | 4 | SEAPRO | | Samson Yard |
| Oil Spill Response Vessel (Bay Class) | 1 | SEAPRO | Assist with containment/skimming ops | Samson Dock |
| Responder | 6 | SEAPRO | | Samson Yard |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| 10. Prepared By | Date / Time | 11. Reviewed By | Date / Time | 12. Reviewed By | Date / Time |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

## ICS 204a Sitka Samson Facility Scenario

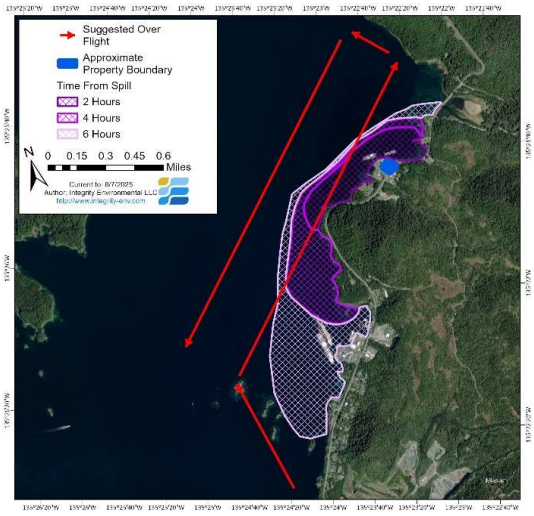
| 1. Incident Name | 2. Operational Period | | | ASSIGNMENT LIST A ATTACHMENT |
|---|---|---|---|---|
| Diesel | From: 04-15, 0600 | To: 04-16, 0600 | | ICS-204a CG |

| 3. Branch | 4. Division/Group/Staging | |
|---|---|---|
| Refer to ICS-204 | Refer to ICS-204 | |
| **5. Strike Team / Task Force / Resource (Identifier)** | **6. Leader** | **7. Assignment Location** |
| Task Force 4 Aerial Surveillance | TF4 Leader | Airport |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Multi-task mission (note wildlife observations and shoreline impacts). Deploy drone and/or helicopter to perform surveillance of the on-water oil to assist with recovery, cleanup, and preventative booming efforts. Spill trajectory at hour 2, 4, and 6 without recovery operations.

See STAR Manual Section: B-II-1 - Plume delineation, land
See STAR Manual Section: B-II-2 - Discharge tracking on water
See STAR Manual Section: B-II-3 - Aerial observations supporting nearshore operations




***Special Equipment / Supplies Needed***

| Type | Quantity | Equipment Details | | Staging Area |
|---|---|---|---|---|
| Helicopter | 1 | Contract | On-water spill tracking | Airport |
| PPE (Mustang Suits) | 4 | SEAPRO | | Airport |
| Responder | 1 | SEAPRO | On-water spill tracking | Airport |
| Responder | 2 | Agency | On-water spill tracking | Airport |
| Responder | 1 | Contract | Helicopter pilot | Airport |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

Water operations - PFD and survival suit required for helicopter personnel.

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| 10. Prepared By | Date / Time | 11. Reviewed By | Date / Time | 12. Reviewed By | Date / Time |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

## ICS 204a Sitka Samson Facility Scenario

| 1. Incident Name | 2. Operational Period | | ASSIGNMENT LIST A ATTACHMENT ICS-204a CG |
|---|---|---|---|
| Diesel | From: 04-15, 0600 | To: 04-16, 0600 | |

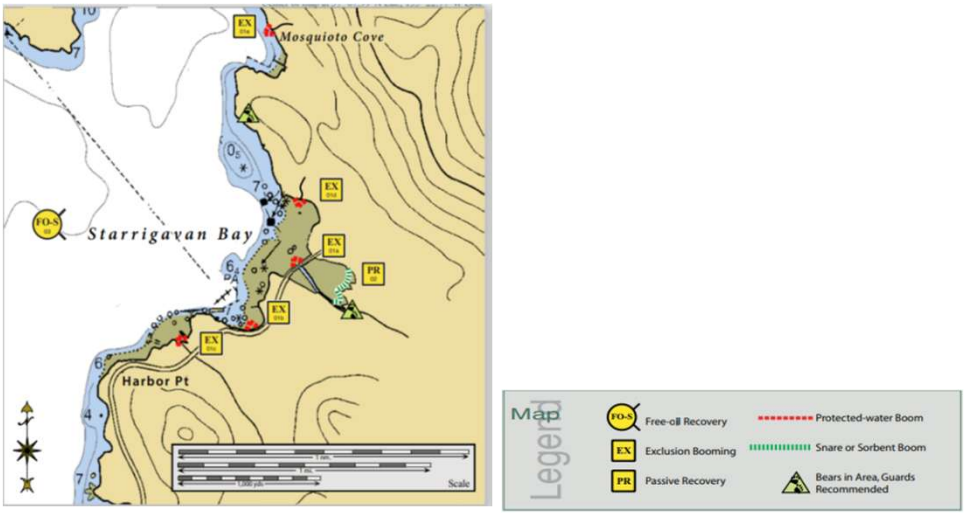
| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Refer to ICS-204 | Refer to ICS-204 |

| 5. Strike Team / Task Force / Resource (Identifier) | 6. Leader | 7. Assignment Location |
|---|---|---|
| Task Force 5 ESA Protective Booming | TF5 Leader | Samson Yard |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Deploy exclusion or diversion boom at any threatened environmentally sensitive areas (ESAs) such as anadromous streams and/or boat harbors. Refer to the ICS-232 for specific strategies for named sensitive areas. Maintain boom throughout tide changes. Place and anchor sorbent boom at locations most likely to be impacted based on TF-6 and TF-7 findings. Protective boom will remain in place for as long as deemed necessary by the IMT.

See STAR Manual Section: B-III-1 - Booming basics
See STAR Manual Section: B-III-12 - Exclusion boom
See STAR Manual Section: B-III-13 - Deflection boom




***Special Equipment / Supplies Needed***

| Type | Quantity | | Equipment Details | Staging Area |
|---|---|---|---|---|
| Containment Boom (Foam, 8" x 12') | 1,100 ft | SEAPRO | Use exclusion booming tactic to protect threatened anadromous streams and/or boat harbors | Samson Yard |
| Sorbent Boom (8") | 700 ft | SEAPRO | Deploy for passive recovery | Samson Yard |
| Skiff (19' w/ 115 HP Outboard) | 1 | SEAPRO | | Samson Yard |
| Responder | 2 | SEAPRO | | |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| 10. Prepared By | Date / Time | 11. Reviewed By | Date / Time | 12. Reviewed By | Date / Time |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

**ICS 204a Sitka Samson Facility Scenario**

| 1. Incident Name | 2. Operational Period | | | | ASSIGNMENT LIST A ATTACHMENT |
|---|---|---|---|---|---|
| Diesel | From: | 04-15, 0600 | To: | 04-16, 0600 | ICS-204a CG |

| 3. Branch | 4. Division/Group/Staging | |
|---|---|---|
| Refer to ICS-204 | Refer to ICS-204 | |
| **5. Strike Team / Task Force / Resource (Identifier)** | **6. Leader** | **7. Assignment Location** |
| Task Force 6 Shoreline Asessment | TF6 Leader | Samson Dock |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Prepare shoreline and upland assessment implementation plan with IMT. Make accessability determinations based on findings from TF-4. Once on-water recovery efforts are completed, begin shoreline recovery based on approved assessment. SEAPRO work skiff will be redirected to this TF after completion of TF-5.

See STAR Manual Section: B-III-10 - Shoreside recovery
See STAR Manual Section: B-III-11 - Passive recovery

***Special Equipment / Supplies Needed***

| Type | Quantity | | Equipment Details | Staging Area |
|---|---|---|---|---|
| Skiff (19' w/ 115 HP Outboard) | 1 | SEAPRO | Redeployment after completion of TF-5. | Samson Dock |
| Responder | 1 | SEAPRO | | Samson Dock |
| Responder | 2 | Agency | | Samson Dock |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| 10. Prepared By | Date / Time | 11. Reviewed By | Date / Time | 12. Reviewed By | Date / Time |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

| ICS 204a Sitka Samson Facility Scenario | | | | | |
|---|---|---|---|---|---|
| **1. Incident Name** | **2. Operational Period** | | | | **ASSIGNMENT LIST A ATTACHMENT** |
| Diesel | **From:** | 04-15, 0600 | **To:** | 04-16, 0600 | **ICS-204a CG** |
| **3. Branch** | | | **4. Division/Group/Staging** | | |
| Refer to ICS-204 | | | Refer to ICS-204 | | |
| **5. Strike Team / Task Force / Resource (Identifier)** | | | **6. Leader** | **7. Assignment Location** | |
| Task Force 7 | Wildlife Assessment | | TF7 Leader | Samson Yard | |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Prepare wildlife assessment with potential implementation of hazing techniques. Make accessability determinations and protection needs based on findings from TF-4. Report wildlife observations to environmental unit. SEAPRO work skiff will be redirected to this TF after completion of TF-6.

***Special Equipment / Supplies Needed***

| Type | Quantity | Equipment Details | | Staging Area |
|---|---|---|---|---|
| Skiff (19' w/ 115 HP Outboard) | 1 | SEAPRO | Redeployment after completion of TF-6 | Samson Yard |
| Wildlife Hazing Kit | 1 | SEAPRO | | Samson Yard |
| Responder | 3 | SEAPRO | | Samson Yard |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| **10. Prepared By** | **Date / Time** | **11. Reviewed By** | **Date / Time** | **12. Reviewed By** | **Date / Time** |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

| ICS 204a Sitka Samson Facility Scenario | | | | | |
|---|---|---|---|---|---|
| **1. Incident Name** | **2. Operational Period** | | | | **ASSIGNMENT LIST A ATTACHMENT** |
| Diesel | **From:** | 04-15, 0600 | **To:** | 04-16, 0600 | **ICS-204a CG** |
| **3. Branch** | | | **4. Division/Group/Staging** | | |
| Refer to ICS-204 | | | Refer to ICS-204 | | |
| **5. Strike Team / Task Force / Resource (Identifier)** | | | **6. Leader** | **7. Assignment Location** | |
| Task Force 8 Waste Management | | | TF8 Leader | Samson Yard | |

**8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations**

Transfer and storage of oily liquids recovered from on-water operation to TTLR staging area for transfer via hose/pump to tank truck for storage in DW facility tanks.

See STAR Manual Section: B-III-17 - Land-based storage & transfer of oily liquids

See STAR Manual Section: B-III-18 - Pumping oily liquids

***Special Equipment / Supplies Needed***

| Type | Quantity | | Equipment Details | Staging Area |
|---|---|---|---|---|
| Pump (CH&E, 3") | 1 | SEAPRO | | DW TTLR |
| Storage - Tank Truck (2,800-gallon) | 2 | DW | Transfer of recovered liquids | DW TTLR |
| Responder | 2 | DW | Operate tank trucks | Samson Yard |
| Responder | 1 | SEAPRO | | Samson Yard |

***Special Environmental Considerations***

Refer to ICS-204

***Special Site Specific Safety Considerations***

Refer to ICS-204

**9. Other Attachments (as needed)**

☐ Map / Chart ☐ Weather Forecast / Tides / Currents ☐ _____

| **10. Prepared By** | **Date / Time** | **11. Reviewed By** | **Date / Time** | **12. Reviewed By** | **Date / Time** |
|---|---|---|---|---|---|
| Planning Section | | Operations Section | | Unified Command | |

| ICS 232 Sitka Samson Facility Scenario | | | |
|---|---|---|---|
| **1. Incident Name** | **2. Operational Period** | | **RESOURCES AT RISK** |
| Diesel | **From:** 04-15, 0600 | **To:** 04-16, 0600 | **ICS 232-CG** |

**3. Environmentally Sensitive Areas and Wildlife Issues**

| Site # | Priority | Site Name and /or Physical Location | Site Issues |
|---|---|---|---|
| SE05-20-01 | 1 | Starrigavan Bay - Starrigavan Creek | Fish - chum, sockeye, dolly varden, coho, pink; Birds - seabird nesting; Habitat - sheltered rocky shore, gravel beach, marsh; Human Uses - log storage, high recreational use, subsistence, commercial fishing, commercial marine services |
| SE05-20-02 | 2 | Starrigavan Creek - Lat. 57º07.55' N, Lon. 135º22.11 W | Fish - chum, sockeye, dolly varden, coho, pink; Birds - seabird nesting; Habitat - sheltered rocky shore, gravel beach, marsh; Human Uses - log storage, high recreational use, subsistence, commercial fishing, commercial marine services |
| SE05-20-03 | 3 | Starrigavan Bay - Nearshore waters in the general area of: Lat. 57º08.07' N, Lon. 135º23.30 W | Fish - chum, sockeye, dolly varden, coho, pink; Birds - seabird nesting; Habitat - sheltered rocky shore, gravel beach, marsh; Human Uses - log storage, high recreational use, subsistence, commercial fishing, commercial marine services |
| SE05-11-01 | 4 | Middle Island - Southwest Cove | Marine mammals - harbor seals, whales; Fish - herring spawning; Habitat - kelp and eelgrass beds, sheltered tidal flats, sheltered rocky shore, intertidal diversity; Marine invertebrates; Human Use - subsistence use, high recreational use, private residences |
| SE05-11-01 | 5 | Middle Island - South end | Marine mammals - harbor seals, whales; Fish - herring spawning; Habitat - kelp and eelgrass beds, sheltered tidal flats, sheltered rocky shore, intertidal diversity; Marine invertebrates; Human Use - subsistence use, high recreational use, private residences |
| SE05-11-01 | 6 | Middle Island - South end apex or mid-point | Marine mammals - harbor seals, whales; Fish - herring spawning; Habitat - kelp and eelgrass beds, sheltered tidal flats, sheltered rocky shore, intertidal diversity; Marine invertebrates; Human Use - subsistence use, high recreational use, private residences |
| N/A | 7 | Surrounding anadromous streams | Fish, intertidal spawning, waterfowl, recreational use. Accessible via trail systems and water ways. |

Narrative

Deploy exclusion boom at the mouths of anadromous streams and water bodies listed in the Geographic Response Strategies. At the discretion of the Incident Commander, Operations Section Chief, and Oil Spill Response Organization/Primary Response Action Contractor, deploy exclusion boom at other anadromous streams in the area.

**4. Archaeo-cultural and Socio-economic issues**

| Site # | Priority | Site Name and /or Physical Location | Site Issues |
|---|---|---|---|
| 1 | TBD | | |
| 2 | TBD | | |
| 3 | TBD | | |
| 4 | TBD | | |
| 5 | TBD | | |
| 6 | TBD | | |

Narrative

The above list identify potential site categories of major concern in the local area. Consult with the on-scene coordinator and available agency resources, inlcluding the DNR Office of History and Archaelogy, for additional potential sites. All responders are instructed to report any cultural resources found during operations to Federal On-Scene Coordinator Historic Properties Specialist.

| **4. Prepared By** | **Date / Time** |
|---|---|
| Environmental Unit Lead | |

Note: Form ICS 232 will be written with direct input from resource agencies at the time of a spill. The above document is used for scenario reference.

| OIL RECOVERY CALCULATIONS | |
|---|---|
| **Total Adjusted RPS to Remain on Land** (gallons) | **22,364** |

| Oil Recovery Table - Spill to Land | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Operational Period** | **Task Force** | | **Recovery Equipment** | **Quantity** | **EDRC per unit** (gal/day) | | **Volume** (gallons) | |
| | | | | | | **Hours Operating** | **Oil Recovered** | **Cumulative Oil Recovered** |
| 1 | Task Force 1 | Facility Recovery Operations | Vac Truck | 1 | 28,224 | 9 | 10,584 | 10,584 |
| 2 | Task Force 1 | Facility Recovery Operations | Vac Truck | 1 | 28,224 | 11 | 12,936 | 23,520 |

| | |
|---|---|
| **Total Adjusted RPS to Reach Water** (gallons) | **38,078** |

| Oil Recovery Table - Spill to Water | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Operational Period** | **Task Force** | | **Recovery Equipment** | **Quantity** | **EDRC per unit** (gal/day) | | **Volume** (gallons) | |
| | | | | | | **Hours Operating** | **Oil Recovered** | **Cumulative Oil Recovered** |
| 1 | Task Force 2 | Nearshore Recovery & Containment | Skimmer (Aquaguard RBS Triton 35) | 1 | 47,796 | 9 | 17,923.5 | 17,924 |
| 1 | Task Force 3 | On-Water Recovery & Containment | Skimmer (Aquaguard RBS Triton 35) | 1 | 47,796 | 9 | 17,923.5 | 35,847 |
| 2 | Task Force 2 | Nearshore Recovery & Containment | Skimmer (Aquaguard RBS Triton 35) | 1 | 47,796 | 2 | 3,983 | 39,830 |

| TEMPORARY STORAGE CALCULATIONS | |
|---|---|
| **Total Oil Recovered** (gallons) | **63,350** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Operational Period** | **Task Force** | | **Storage Equipment** | **Quantity** | **Volume** (gallons) | | |
| | | | | | **Capacity** | **Total Capacity** | **Cumulative Capacity** |
| 1 | Task Force 1 | Facility Recovery Operations | Drum (Storage, Open Top, 55-gallon) | 10 | 55 | 550 | 550 |
| 1 | Task Force 2 | Nearshore Recovery & Containment | Storage Bladder (Unitor 100 $m^3$) | 2 | 26,418 | 52,836 | 53,386 |
| 1 | Task Force 2 | Nearshore Recovery & Containment | Storage - Tank Truck (2,800-gallon) | 1 | 2,800 | 2,800 | 56,186 |
| 1 | Task Force 3 | On-Water Recovery & Containment | Storage Bladder (Canflex FCB-25) | 4 | 2,638 | 10,550 | 66,736 |
| 2 | Task Force 8 | Waste Management | Storage - Tank Truck (2,800-gallon) | 2 | 2,800 | 5,600 | 72,336 |

| SUMMARY | |
|---|---|
| Total Temporary Storage Capacity (gallons) | 72,336 |
| Total Oil Recovered (gallons) | 63,350 |
| Net (gallons) | 8,986 |

Note: If net result is positive, there is sufficient storage for the response scenario.

# 3 Plan Appendix

The following documents are provided in the overall Plan Appendix:

*Other*

- Acronym List
- Helpful Links for Spill Response
- Bibliography
- Supporting Documentation
  - Spill Trajectory Model Development and Background
- Revision Log

## 3.1 Acronym List

The acronyms, in alphabetical order, used in this plan are defined below.

| | |
|---|---|
| AAC | Alaska Administrative Code |
| ADEC | Alaska Department of Environmental Conservation |
| ADNR | Alaska Department of Natural Resources |
| CPLAN | Oil Discharge Prevention and Contingency Plan |
| DW | Delta Western, LLC |
| EDRC | Effective Daily Recovery Capacity |
| ESA | Environmentally Sensitive Area |
| GRS | Geographic Response Strategy |
| ICS | Incident Command System |
| IMT | Incident Management Team |
| MPH | Miles Per Hour |
| NMFS | National Marine Fisheries Service |
| NOAA | National Oceanic and Atmospheric Administration |
| OSHA | Occupational Safety and Health Administration |
| OSRO | Oil Spill Response Organization |
| PRAC | Primary Response Action Contractor |
| RPS | Response Planning Standard |
| SCAT | Shoreline Cleanup Assessment Technique |
| SMT | Spill Management Team |
| STAR Manual | Spill Tactics for Alaska Responders Manual |
| TF | Task Force |
| WMP | Waste Management Plan |

## 3.2 Helpful Links for Spill Response

| | |
|---|---|
| Alaska Regional Contingency Plan | https://dec.alaska.gov/spar/ppr/contingency-plans/response-plans/regional-contingency-plan/ |
| ADEC STAR Manual | https://dec.alaska.gov/spar/ppr/response-resources/star-manual/ |
| ADEC Spill Response Permits and Tools Page | https://dec.alaska.gov/spar/ppr/response-resources/permits-tool/ |
| Area Plan References and Tools | https://dec.alaska.gov/spar/ppr/contingency-plans/response-plans/tools/ |
| NOAA WebGNOME | https://gnome.orr.noaa.gov/ |

## 3.3 Bibliography

| | |
|---|---|
| ADEC, 2014 | Spill Tactics for Alaska Responders, March 2014. https://dec.alaska.gov/spar/ppr/response-resources/star-manual/ [accessed July 15, 2025] |
| Alaska Regional Response Team Wildlife Protection Committee, 2023 | Wildlife Protection Guidelines for Oil Spill Response in Alaska, Version 2020.02, dated September 2023. https://nrt.org/sites/176/files/Alaska_RRT_Wildlife_Protection_Guidlines_2020.2-FINAL.pdf [accessed July 15, 2025] |
| NMFS, 2017 | Fisheries of the United States. https://www.fisheries.noaa.gov/resource/document/fisheries-united-states-2017-report [accessed July 15, 2025] |
| OSHA, 2026 | OSHA Decontamination Web Page, January 2026. https://www.osha.gov/hazardous-waste/decontamination# [accessed January 8, 2026] |
| Ziccardi, M., Wilkin, S., Rowles, T., and Johnson, S., 2015 | Pinniped and Cetacean Oil Spill Response Guidelines. U.S. Department of Commerce, NOAA. NOAA Technical Memorandum NMFS-OPR-52, 138 p. |

## 3.4 Spill Trajectory Model Development and Background

The information below is designed to provide additional background information to describe how the spill trajectories presented in this Response Scenario and utilized by DW in the preparation of information presented in Section 3 of the Delta Western, LLC Sitka Samson CPLAN were generated. As this document is adopted by reference in the Delta Western, LLC Sitka Samson CPLAN, all bibliographic information is contained there.

NOAA's WebGNOME spill modeling website (https://gnome.orr.noaa.gov/) was used to prepare the spill trajectory maps included in the scenario presented in Section 2.1 of this document.

When generating the spill trajectory maps, the manual set up function was used, and the following parameters were set before running the model:

| | |
|---|---|
| Model Settings | Selected the applicable start time (i.e., 06:00 Alaska Daylight Time) to align with the scenario<br><br>Left all other items in this section set to the defaults |
| Map | • Selected the spill site on the map<br>• Drew a polygon on the area of interest and a shoreline polygon was generated |
| Spill | • Selected point/line instantaneous release<br>• Used the ADEC RPS as the amount released<br>• Substance/Oil – uploaded the applicable ADIOS files for Diesel<br><br>Left all other items in this section set to the defaults |
| Wind | • Selected point wind and placed marker on the map in the spill area<br>• Adjusted wind direction and speed to align with the spill scenario |
| Water Properties | Selected the applicable average water temperature for the time of year in which the scenario occurs |

Once all of the parameters were set, the model was run pausing at the 2-, 4-, and 6-hour marks; at each of these times, the distance that the release had traveled was measured.

In order to develop an accurate model, the wind direction has to be adjusted, and the model must be re-run multiple times to prevent the spill from accumulating on the nearby

shorelines. The purpose of running the model is to determine the furthest extent of the release should no containment actions be taken.

The information gathered from running the model was then used to create polygons in ArcGIS showing the extent of the release at the three time increments (2, 4, and 6 hours after the spill).

The spill trajectory maps included in Section 2.1 are for informational and planning purposes only and would not be relied upon in an actual spill event. The software's predictions are based on mathematical models that may not fully account for real-world variability, including ocean currents, wind patterns, temperature fluctuations, etc.

As described in Section 1.5, the approach described above can be used in the event of a spill to track discharged oil on land or open water and forecast its expected points of shoreline contact.

## 3.5 Revision Log

The table below is used to document amendments to this document.

| Revision Number | Month Year | Affected Pages | Changes Made | Associated CPLAN Revision Number |
|---|---|---|---|---|
| 0 | December 2025 | All | Original Issuance | 0 |