

**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)



	Sitka Samson CPLAN Response Scenario	
	Document Number	SIT-CRS-01; Rev. 0
	Revision Date	August 2025


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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	--

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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

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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) Manual¹ 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.

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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 Estimated Percentage of RPS to Reach Open Water: 63% 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. 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 Wind: 10 knots from the southeast Other: Overcast
Sea State	Light chop to 2 feet
Visibility	25 mile(s)
Operational Period Duration and Timing	24 hours 1: 04-15, 0600 to 04-16, 1800 [hours 0 to 24] 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.

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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 forms³.

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
- Transfer product out of damaged tank, vessel, and/or piping
- Assess and implement prompt removal actions to contain and remove the spill substance
- Deploy containment boom and response equipment, as needed
- Construct a containment berm
- Divert discharged oil to a collection area

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 hazard⁴:

- 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

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

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.

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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 software⁵
- National Weather Service support staff⁶
- Visual surveillance⁷
 - Via land (primary on foot, but may be supported by vehicles, if needed)
 - Via air (utilizing aircraft [planes or helicopters] or drones)
 - 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

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.

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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

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- 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, 12:00⁸.

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

- Marine-based storage and transfer of oily liquids – B-III-16

⁸ While all required equipment for lightering and transfers will be onsite by 04-15, 12:00, safety will take priority.

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- 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 2.1 as 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 operations⁹. 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:


- 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:

⁹ Table 2-2 presents the estimated oil recovery and temporary storage for this hypothetical spill scenario.

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$$\text{Quantity of Equipment} \times \text{EDRC converted to gal/hr}^{10} \times \text{Hours Operating} \\ = \text{Oil Recovered}$$

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 eleven (11) hours during the first operational period.

$$1 \text{ skimmer} \times 1,991 \text{ gallons/hour} \times 11 \text{ hours} = 21,907 \text{ gallons of oil recovered}$$

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 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

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.


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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 items¹¹.

Storage / Segregation	<p>Contaminated waste shall be separated by waste stream type and location where the waste was recovered.</p> <p>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.</p> <p>Typical categories of waste include liquids, solids, wildlife, and municipal wastes.</p>
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	Identification of appropriate sites (level, contained, and secure).
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.

¹¹ A WMP is not anticipated to be developed for spills that do not require a full IMT/SMT activation.

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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 2020.01, dated August 31, 2020. 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

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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 place¹², 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 habitats¹³
- Preventing illegal collection of wildlife parts by spill response personnel¹⁴
- 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.
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.

¹² Additional information on DW's OSRO/PRAC contracted resources can be found in the Delta Western, LLC Sitka Samson Facility CPLAN (Section 3.7).

¹³ These could include, but are not limited to nesting raptors, seabird rookeries, and marine mammal haul out and pupping areas.

¹⁴ 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).

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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) Team¹⁵ 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 form¹⁶.

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

¹⁵ 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.

¹⁶ 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.

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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 <i>Wildlife Protection Guidelines for Oil Spill Response in Alaska</i> ; 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

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2.1 Diesel Scenario

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

- Response Planning Standard¹⁷
- 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

¹⁷ 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 or double bottoms with leak detection	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%

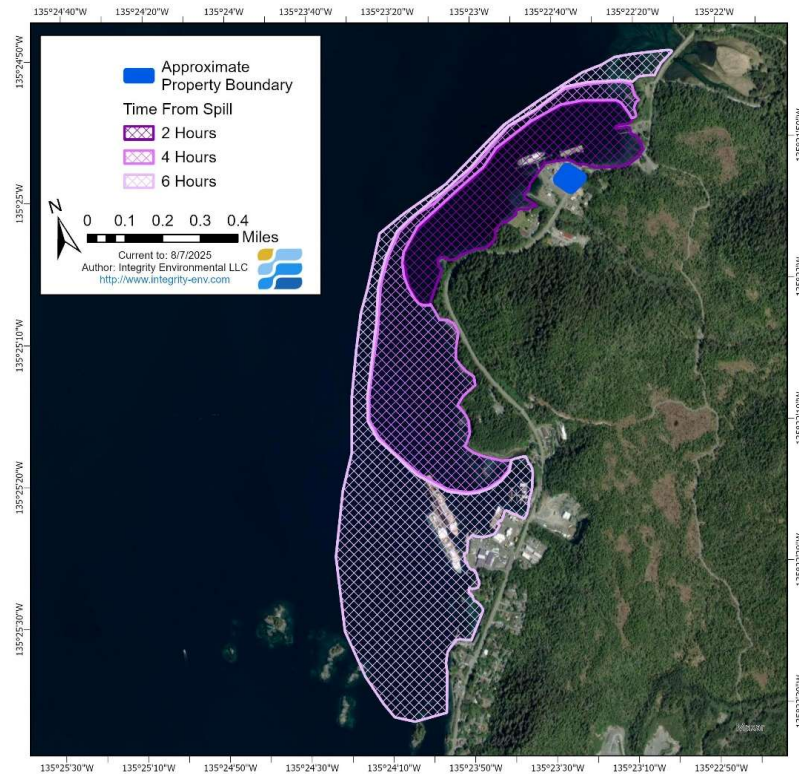
Total Adjusted RPS to Remain on Land (gallons)	22,364	532 bbls
Total Adjusted RPS to Reach Water (gallons)	38,078	907 bbls

ICS 201 Sitka Samson Facility Scenario

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

3. Map / Sketch

(include sketch, showing the total area of operations, the incident site/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	
Diesel		Date: 4/15	Time: 0600
		INCIDENT BRIEFING	
		ICS 201-CG	
5. Initial Response Objectives, Current Actions, Planned Actions			
<u>Objectives:</u>			
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			
<u>Current Actions / Planned Actions:</u>			
TIME	ACTION		
0600	Spill discovered		
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	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 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	ICS 201-CG								
Time:		0600									
6. Current Organization											
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 25%;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">Unified Command</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">Safety Officer Delta Western, LLC</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">Liaison Officer Delta Western, LLC</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">Public Information Officer Delta Western, LLC</div> </div> <div style="width: 70%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 25%;">FOSC</td><td>United States Coast Guard</td></tr> <tr><td>SOSC</td><td>Alaska Department of Environmental Conservation</td></tr> <tr><td>Local</td><td>TBD</td></tr> <tr><td>PR/PRP</td><td>Delta Western, LLC Incident Commander</td></tr> </table> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="width: 22%;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Operations Section Chief Delta Western, LLC</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Staging Area 1: Samson Yard</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Staging Area 2: Samson Dock</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Staging Area 3: Airport</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Staging Area 4: DW TTLR</div> </div> <div style="width: 22%;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Planning Section Chief Delta Western, LLC</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 1 Facility Recovery Operations</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 3 On-Water Recovery & Containment</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 5 ESA Protective Booming</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 7 Wildlife Assessment</div> </div> <div style="width: 22%;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Logistics Section Chief Delta Western, LLC</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 2 Nearshore Recovery & Containment</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 4 Aerial Surveillance</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 6 Shoreline Assessment</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">Task Force 8 Waste Management</div> </div> <div style="width: 22%;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Finance Section Chief Delta Western, LLC</div> </div> </div>				FOSC	United States Coast Guard	SOSC	Alaska Department of Environmental Conservation	Local	TBD	PR/PRP	Delta Western, LLC Incident Commander
FOSC	United States Coast Guard										
SOSC	Alaska Department of Environmental Conservation										
Local	TBD										
PR/PRP	Delta Western, LLC Incident Commander										
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.											

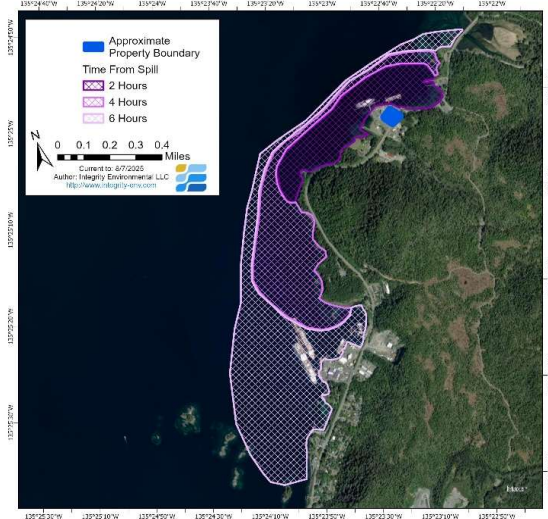
ICS 201 Sitka Samson Facility Scenario					
1. Incident Name		2. Prepared By:		INCIDENT BRIEFING	
Diesel		Delta Western, LLC		ICS 201-CG	
		Date: 4/15	Time: 0600		
7. Resources Summary					
Resource	Resource Identifier	Date/Time Ordered	ETA	On-Scene (X)	Notes
Sorbent Pads (Bales)	5			X	Task Force 1
Sorbent 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	2	04-15, 0620	04-15, 1100		Task Force 1
Responder	2			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	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, 1200		Task Force 5
Sorbent Boom (8")	700 ft	04-15, 0620	04-15, 1200		Task Force 5
Skiff	1	04-15, 0620	04-15, 1200		Task Force 5
Responder	2	04-15, 0620	04-15, 1200		Task Force 5
Skiff	1	04-15, 0800	04-15, 1200		Task Force 6
Responder	1	04-15, 0800	04-15, 1200		Task Force 6
Responder	2	04-15, 0800	04-15, 1200		Task Force 6
Skiff	1	04-15, 0800	04-15, 1200		Task Force 7
Wildlife Hazing Kit	1	04-15, 0620	04-15, 1200		Task Force 7
Responder	3	04-15, 0800	04-15, 1200		Task Force 7
Pump (CH&E, 3")	1	04-15, 0620	04-15, 1200		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.

ICS 204 Sitka Samson Facility Scenario				
1. Incident Name Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST ICS-204 CG
3. Branch N/A; no branches included in this scenario			4. Division/Group/Staging N/A; no divisions or groups included in this scenario; refer to page 3 of the ICS-201 for staging areas	
5. Operational Personnel				
<u>Position</u>	<u>Name</u>	<u>Affiliation</u>	<u>Contact # (s)</u>	
Initial Incident Commander	Facility Manager	Delta Western, LLC	TBD	
Operations Section Chief	Facility Personnel	Delta Western, LLC	TBD	
6. Resources Assigned				
<u>Strike Team / Task Force /</u>	<u>Leader</u>	<u>Contact Info. #</u>	<u># Of Persons</u>	<u>Notes/Remarks</u>
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 Assessment			
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 floatation 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)				
<u>Name / Function</u>	<u>Radio Freq. / System / Channel</u>		<u>Cell / Pager</u>	
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 Planning Section			11. Approved By Unified Command	

ICS 204a Sitka Samson Facility Scenario					
1. Incident Name Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST A ATTACHMENT ICS-204a CG	
3. Branch Refer to ICS-204			4. Division/Group/Staging Refer to ICS-204		
5. Strike Team / Task Force / Resource (Identifier) Task Force 1 Facility Recovery Operations			6. Leader TF1 Leader	7. Assignment Location 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	2	Contract	Use to transfer the released product	Samson Yard	
Responder	2	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) <input type="checkbox"/> Map / Chart <input type="checkbox"/> Weather Forecast / Tides / Currents <input type="checkbox"/> _____					
10. Prepared By Planning Section		11. Reviewed By Operations Section		12. Reviewed By Unified Command	
Date / Time		Date / Time		Date / Time	

ICS 204a Sitka Samson Facility Scenario				
1. Incident Name Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST A ATTACHMENT ICS-204a CG
3. Branch Refer to ICS-204		4. Division/Group/Staging Refer to ICS-204		
5. Strike Team / Task Force / Resource (Identifier) Task Force 2 Nearshore Recovery & Containment		6. Leader TF2 Leader	7. Assignment Location 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 conjunction 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 conjunction with skimmer	Samson Yard
Hose, suction (2" x 25') (camlocks)	1	DW	Used in conjunction with skimmer	Samson Yard
Hose, discharge (2" x 50') (camlocks)	1	DW	Used in conjunction with skimmer	Samson Yard
Storage Bladder (Unitor 100 m ³)	2	SEAPRO	Skimmer will discharge to bladder	Samson Yard
Skiff	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) <input type="checkbox"/> Map / Chart <input type="checkbox"/> Weather Forecast / Tides / Currents <input type="checkbox"/> _____				
10. Prepared By	Date / Time	11. Reviewed By	Date / Time	12. Reviewed By
Planning Section		Operations Section		Unified Command

ICS 204a Sitka Samson Facility Scenario					
1. Incident Name Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST A ATTACHMENT ICS-204a CG	
3. Branch Refer to ICS-204			4. Division/Group/Staging Refer to ICS-204		
5. Strike Team / Task Force / Resource (Identifier) Task Force 3 On-Water Recovery & Containment			6. Leader TF3 Leader	7. Assignment Location Samson Yard	
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment, Special Environmental Considerations, Special Site Specific Safety Considerations <p>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.</p> <p>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</p>					
					
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) <input type="checkbox"/> Map / Chart <input type="checkbox"/> Weather Forecast / Tides / Currents <input type="checkbox"/> _____					
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 Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST A ATTACHMENT ICS-204a CG	
3. Branch Refer to ICS-204			4. Division/Group/Staging Refer to ICS-204		
5. Strike Team / Task Force / Resource (Identifier) Task Force 4 Aerial Surveillance			6. Leader TF4 Leader		7. Assignment Location 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)					
<input type="checkbox"/> Map / Chart		<input type="checkbox"/> Weather Forecast / Tides / Currents		<input type="checkbox"/> _____	
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 Diesel	2. Operational Period From: 04-15, 0600 To: 04-16, 0600	ASSIGNMENT LIST A ATTACHMENT ICS-204a CG
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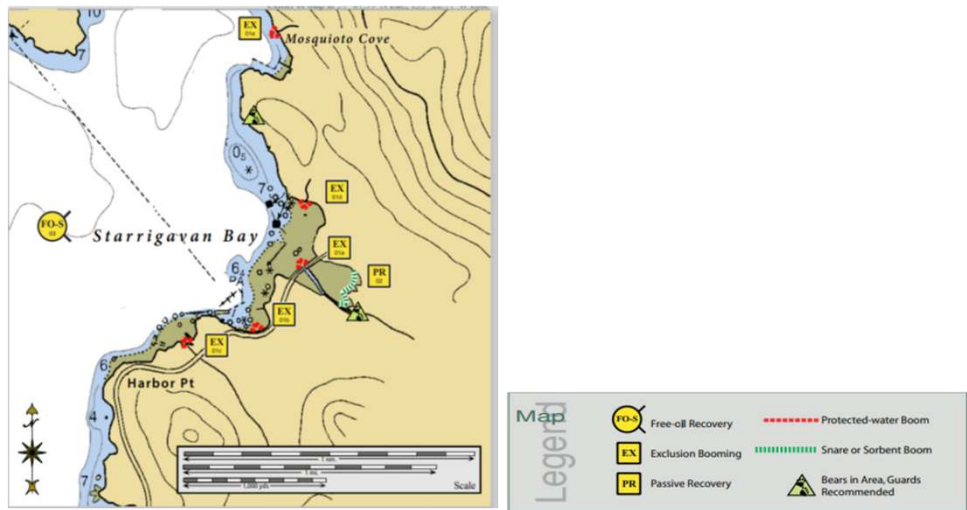
3. Branch Refer to ICS-204	4. Division/Group/Staging Refer to ICS-204
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5. Strike Team / Task Force / Resource (Identifier) Task Force 5 ESA Protective Booming	6. Leader TF5 Leader	7. Assignment Location Samson Yard
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8. 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	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 Planning Section	Date / Time	11. Reviewed By Operations Section	Date / Time	12. Reviewed By Unified Command	Date / Time
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ICS 204a Sitka Samson Facility Scenario					
1. Incident Name Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST A ATTACHMENT ICS-204a CG	
3. Branch Refer to ICS-204			4. Division/Group/Staging Refer to ICS-204		
5. Strike Team / Task Force / Resource (Identifier) Task Force 6 Shoreline Assessment			6. Leader TF6 Leader	7. Assignment Location 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 accessibility 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	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)					
<input type="checkbox"/> Map / Chart		<input type="checkbox"/> Weather Forecast / Tides / Currents		<input type="checkbox"/> _____	
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 Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST A ATTACHMENT ICS-204a CG
3. Branch Refer to ICS-204		4. Division/Group/Staging Refer to ICS-204		
5. Strike Team / Task Force / Resource (Identifier) Task Force 7 Wildlife Assessment		6. Leader TF7 Leader	7. Assignment Location 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 accessibility 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	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)				
<input type="checkbox"/> Map / Chart		<input type="checkbox"/> Weather Forecast / Tides / Currents		<input type="checkbox"/> _____
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 Diesel		2. Operational Period From: 04-15, 0600 To: 04-16, 0600		ASSIGNMENT LIST A ATTACHMENT ICS-204a CG
3. Branch Refer to ICS-204		4. Division/Group/Staging Refer to ICS-204		
5. Strike Team / Task Force / Resource (Identifier) Task Force 8 Waste Management		6. Leader TF8 Leader	7. Assignment Location 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)				
<input type="checkbox"/> Map / Chart		<input type="checkbox"/> Weather Forecast / Tides / Currents		<input type="checkbox"/> _____
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	
Diesel		From: 04-15, 0600 To: 04-16, 0600	
RESOURCES AT RISK			
ICS 232-CG			
3. Environmentally Sensitive Areas and Wildlife Issues			
<u>Site #</u>	<u>Priority</u>	<u>Site Name and /or Physical Location</u>	<u>Site Issues</u>
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. 57°07.55' N, Lon. 135°22.11 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. 57°08.07' N, Lon. 135°23.30 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.
<u>Narrative</u>			
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			
<u>Site #</u>	<u>Priority</u>	<u>Site Name and /or Physical Location</u>	<u>Site Issues</u>
1	TBD		
2	TBD		
3	TBD		
4	TBD		
5	TBD		
6	TBD		
<u>Narrative</u>			
The above list identify potential site categories of major concern in the local area. Consult with the on-scene coordinator and available agency resources 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	2	28,224	10	23,520	23,520

Total Adjusted RPS to Reach Water (gallons)	38,078
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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	11	21,907	21,907
1	Task Force 3	On-Water Recovery & Containment	Skimmer (Aquaguard RBS Triton 35)	1	47,796	9	17,924	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

SUMMARY	
Total Temporary Storage Capacity (gallons)	66,736
Total Oil Recovered (gallons)	63,350
Net (gallons)	3,386

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


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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

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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
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

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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, 2020	Wildlife Protection Guidelines for Oil Spill Response in Alaska, Version 2020.01, dated August 31, 2020. https://dec.alaska.gov/spar/ppr/contingency-plans/response-plans/public-review/wildlife-protection-guidelines/ [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]
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

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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	<p>Selected the applicable start time (i.e., 06:00 Alaska Daylight Time) to align with the scenario</p> <p>Left all other items in this section set to the defaults</p>
Map	<ul style="list-style-type: none"> • Selected the spill site on the map • Drew a polygon on the area of interest and a shoreline polygon was generated
Spill	<ul style="list-style-type: none"> • Selected point/line instantaneous release • Used the ADEC RPS as the amount released • Substance/Oil – uploaded the applicable ADIOS files for Diesel <p>Left all other items in this section set to the defaults</p>
Wind	<ul style="list-style-type: none"> • Selected point wind and placed marker on the map in the spill area • Adjusted wind direction and speed to align with the spill scenario
Water Properties	<p>Selected the applicable average water temperature for the time of year in which the scenario occurs</p>

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).

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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	August 2025	All	Original Issuance	0