

Retention Code	Owner/Author	SOP No	Review Frequency
AD01	Environmental Coordinator	WT-011	3 years

Purpose This procedure outlines steps to inspect and dewater Stormwater Storage Areas (SWSAs).

Scope This procedure is limited to SWSAs.

In scope	Out of scope
<ul style="list-style-type: none"> SWSAs (former reserve pits) 	<ul style="list-style-type: none"> Lined containments Unlined pigging pits Flare pits Ponded areas on pad

Authorized user

For Inspections:
Drill Site Leads, Designated Step-Up Leads, and Safety Specialists

For Discharges:
Facility Maintenance Techs (FMTs) and Drill Site Maintenance Teams (DSMs)


FEC Contact Information

Contact the FEC, Air and Spill Plans with any questions or potential compliance concerns regarding water discharge.

- n1037, x7242 or 907-943-1545, pager 669

Contact the FEC, Waste, Land, Other if bird nesting is observed.

- n1438, x7212 or 907-659-0430, pager 669



CAUTION: Failure to follow this procedure can result in regulatory non-compliance.

Getting Started








Prerequisites

Before you start, confirm that:

- You received annual SWSA training as shown in [Power BI](#)
- You have access to Power Apps if performing a SWSA inspection
- You can verify approval prior to discharging to tundra

Tundra Discharge
Procedure SWSA
Inspection



Begin the SWSA Inspection



Step	Action						
1.	Review the current SWSA “no pump” list located here .						
	<table border="1"> <thead> <tr> <th>If</th> <th>Then</th> </tr> </thead> <tbody> <tr> <td>On the “no pump” list</td> <td>Send to EOR</td> </tr> <tr> <td>Not on the “no pump” list</td> <td>Proceed to Step 2</td> </tr> </tbody> </table>	If	Then	On the “no pump” list	Send to EOR	Not on the “no pump” list	Proceed to Step 2
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2.	Observe the wind.						
	<table border="1"> <thead> <tr> <th>If</th> <th>Then</th> </tr> </thead> <tbody> <tr> <td>Wind causes water ripples that prevent the observation of a sheen (~10 mph)</td> <td>Delay the inspection</td> </tr> <tr> <td>Wind does not prevent sheen observation</td> <td>Proceed to Step 3</td> </tr> </tbody> </table>	If	Then	Wind causes water ripples that prevent the observation of a sheen (~10 mph)	Delay the inspection	Wind does not prevent sheen observation	Proceed to Step 3
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3.	Walk around the entire SWSA and observe .						
	<table border="1"> <thead> <tr> <th>If</th> <th>Then</th> </tr> </thead> <tbody> <tr> <td>Any of the following are observed: <ul style="list-style-type: none"> Floating solids Visible foam Sheen Turbidity Evidence of local spill </td> <td>Send to EOR</td> </tr> <tr> <td>The above items are not observed</td> <td>Approve discharge to Tundra</td> </tr> </tbody> </table>	If	Then	Any of the following are observed: <ul style="list-style-type: none"> Floating solids Visible foam Sheen Turbidity Evidence of local spill 	Send to EOR	The above items are not observed	Approve discharge to Tundra
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<div style="border: 1px solid black; padding: 5px; display: inline-block;">  NOTE: Turbidity is cloudy water - if the bottom of the SWSA is not visible, there is excessive turbidity. </div>							
4.	Enter the inspection results into the Containment and Stormwater Inspection Power App.						
	<table border="1"> <thead> <tr> <th>If discharge to Tundra and</th> <th>Then</th> </tr> </thead> <tbody> <tr> <td>Ice Present</td> <td>Authorize <u>conditional</u> approval  (use this icon)</td> </tr> <tr> <td>Ice Not Present</td> <td>Authorize <u>full</u> approval  (use this icon)</td> </tr> </tbody> </table>	If discharge to Tundra and	Then	Ice Present	Authorize <u>conditional</u> approval  (use this icon)	Ice Not Present	Authorize <u>full</u> approval  (use this icon)
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SWSA inspection is complete.

Tundra Discharge

Perform tundra discharge.

5.	Verify approval to discharge to tundra by reviewing the SWSA Containment Status PowerBI .									
6.	Confirm the following. <table border="1" data-bbox="605 394 1398 772"> <thead> <tr> <th data-bbox="605 394 1000 453">If</th> <th data-bbox="1000 394 1398 453">Then</th> </tr> </thead> <tbody> <tr> <td data-bbox="605 453 1000 716"> Any of the following are observed: <ul style="list-style-type: none"> • Floating solids • Visible foam • Sheen • Turbidity • Evidence of local spill </td> <td data-bbox="1000 453 1398 716"> Do not discharge to tundra Notify the FEC </td> </tr> <tr> <td data-bbox="605 716 1000 772">The above items are not observed</td> <td data-bbox="1000 716 1398 772">Discharge to Tundra</td> </tr> </tbody> </table> <div data-bbox="678 842 1325 993" style="border: 1px solid gray; padding: 10px; margin-top: 10px;">  NOTE: Turbidity is cloudy water - if the bottom of the SWSA is not visible, there is excessive turbidity. </div>		If	Then	Any of the following are observed: <ul style="list-style-type: none"> • Floating solids • Visible foam • Sheen • Turbidity • Evidence of local spill 	Do not discharge to tundra Notify the FEC	The above items are not observed	Discharge to Tundra		
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8.	Discharge to tundra.  CAUTION: Do not accept requests to pump additional unauthorized containments while on location.
9.	Periodically monitor discharge and relocate discharge point to prevent tundra damage or sediment erosion.  CAUTION: Notify the FEC <u>immediately</u> if tundra damage or erosion occurs. Noncompliance must be reported to the agency within 24 hours of occurrence.

Tundra discharge is now complete.
