



# CONOCOPHILLIPS ALASKA

Health Safety and Environmental  
Snow Removal Procedure

Field: Alpine

Last Reviewed:  
10/23/2023

| Retention Code | Owner/Author                    | SOP No | Review Frequency |
|----------------|---------------------------------|--------|------------------|
| AD01           | Field Environmental Coordinator | L-002  | 3 years          |

## Alpine Snow Removal

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### Purpose

The purpose of this procedure is to ensure snow removal operations do not result in sedimentation or debris off pad or otherwise adversely impact the tundra.

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### Scope

The scope of this procedure applies to off-pad clearing of snow from gravel roads, pads, and multi-season ice pads.

| In scope  | Out of scope   |
|---|--|
| <ul style="list-style-type: none"><li>Gravel roads and pads</li><li>Multi-season ice pads</li></ul> | <ul style="list-style-type: none"><li>Single-season ice roads and pads</li></ul> |

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### Authorized user

Authorized users of this procedure are:

- Field Environmental Coordinators
  - Roads and Pads Personnel
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### References

Other references applicable to this procedure include:

- USACE Permit POA-2004-253
  - Alpine Facilities Erosion Control Plan
  - Pre-Storm Checklist Procedures
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## Getting Started

### Prerequisites



Snow removal operators must receive training that adequately address the following topics:

- Safe snow removal operations (modules, pilings, people, etc.)
  - Snow removal techniques (floating blades/buckets above gravel)
  - Safe snow blower operation (discharge, direction, etc.)
  - Pad preparation
  - Designated snow push and restricted areas
  - Management of clean vs. debris-entrained snow
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# Snow Removal Procedure

## Winter Snow Removal Activities

Personnel must take the following steps when conducting winter snow removal activities.

| Step                  | Action   |                  |                          |                       |   |               |                       |
|-----------------------|--|------------------|--------------------------|-----------------------|---|---------------|-----------------------|
| 1.                    | <p><b>Verify</b> snow push area. See Exhibits A-G.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">  <p><b>NOTE:</b> Snow push maps are reviewed annually by Environmental.</p> </div>  |                  |                          |                       |   |               |                       |
| 2.                    | <b>Ensure</b> gravel is frozen.  |                  |                          |                       |   |               |                       |
| 3.                    | <p><b>Conduct</b> snow removal as needed. However, specific criteria must be met to conduct snow blowing at CD1 (Lakeshore Drive).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Location</th> <th style="width: 50%;">Snow Blowing Requirement</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">CD1 (Lakeshore Drive)</td> <td> <ul style="list-style-type: none"> <li>May only occur after snowstorms</li> <li>Must come from clean, uncontaminated drifts or snow pushes</li> </ul> </td> </tr> </tbody> </table> <div style="border: 2px solid orange; padding: 10px; margin: 10px 0;">  <p><b>CAUTION:</b> Snow blowing toward the tundra between CD1 and Lake L9313 may only occur after storms and come from clean, uncontaminated drifts or snow pushes.</p> </div> | Location         | Snow Blowing Requirement | CD1 (Lakeshore Drive) | <ul style="list-style-type: none"> <li>May only occur after snowstorms</li> <li>Must come from clean, uncontaminated drifts or snow pushes</li> </ul> |               |                       |
| Location              | Snow Blowing Requirement   |                  |                          |                       |   |               |                       |
| CD1 (Lakeshore Drive) | <ul style="list-style-type: none"> <li>May only occur after snowstorms</li> <li>Must come from clean, uncontaminated drifts or snow pushes</li> </ul>  |                  |                          |                       |   |               |                       |
| 4.                    | <p><b>Do not push</b> contaminated or debris-entrained snow off pad.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">If Snow Contains</th> <th style="width: 50%;">Then</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Debris</td> <td> <ul style="list-style-type: none"> <li>Stockpile snow for spring melting</li> <li>Deliver to snowmelter</li> </ul> </td> </tr> <tr> <td style="text-align: center;">Contamination</td> <td>Contact Environmental</td> </tr> </tbody> </table>  | If Snow Contains | Then                     | Debris                | <ul style="list-style-type: none"> <li>Stockpile snow for spring melting</li> <li>Deliver to snowmelter</li> </ul>                                    | Contamination | Contact Environmental |
| If Snow Contains      | Then   |                  |                          |                       |   |               |                       |
| Debris                | <ul style="list-style-type: none"> <li>Stockpile snow for spring melting</li> <li>Deliver to snowmelter</li> </ul>   |                  |                          |                       |   |               |                       |
| Contamination         | Contact Environmental  |                  |                          |                       |   |               |                       |
| 5.                    | <b>Survey</b> all snow removal areas prior to breakup. <b>Retrieve</b> any debris-entrained snow back onto the gravel pad surface that was inadvertently pushed off pad.   |                  |                          |                       |   |               |                       |

Winter snow removal activities are complete.

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## Summer Inspection Activities

Personnel must take the following steps when conducting summer inspection activities.

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|----|--|
| 1. | <b>Survey</b> road and pad snow removal areas for debris and sediment deposits.  |
| 2. | <b>Retrieve</b> debris and sediment deposits each summer. <ul style="list-style-type: none"><li>• Gravel removal procedures are outlined in the <i>Alpine Erosion Control Plan</i></li></ul> |

Summer inspection activities are complete.

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