# Lindsey Lake Tanker Truck Spill
# I-84, MP 54

## Incident Action Plan #3

## Op Period

From: 2/17/19 - 0700

To: 2/18/19 – 0659

| 1. Incident Name: | 2. Operational Period: (Date / Time) | INCIDENT OBJECTIVES<br>ICS 202 - EPA |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

**3. Incident Objective(s):**

1. Ensure safety of responders and members of the public
2. Manage the response in a coordinated manner
3. Prevent the migration of contamination
4. Contain spilled material using hard and soft boom
5. Recover as much product as safely possible while minimizing environmental, cultural, and economic impacts
6. Keep the public and stakeholders informed

**4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions):**

1. Use soft and hard boom, and absorbent pads to collect as much spilled material as possible
2. Reposition boom placed in Lindsey Lake closer to the roadway to minimize contamination to the lake during flushing operations
3. Add additional hard boom near the south outfall
4. Add anchor to booms located in Lindsey Lake
5. Use water flushing to wash roadway and drainage ditch to mobilize spilled diesel and use a vacuum-truck to recover fuel

**5. General Situation Awareness (Safety bullets, Weather, etc...):**

Be mindful of slips, trips and falls; dress warmly and monitor peers for signs of hypothermia. All workers within 10 feet of water must wear PFDs.

**Approved Site Safety Plan Located at: ICP**

| 6. Prepared By: (PSC) | | (Date / Time) |
|---|---|---|
| Name: Matt Magorrian | Signature: | |
| **7. Approved By (Incident Commander(s)):** | | **(Date / Time)** |
| **Name:** | **Signature:** | |
| Jeffry Fowlow, EPA FOSC | 2/16/19 | |
| Jamie Collins, OR State OSC | 16 FEB 2019 | 2/16/2019 @ 1700 |
| Rob Honsberger, RPIC | | |

| 1. Incident Name: | 2. Operational Period (Date / Time) | ORGANIZATION ASSIGNMENT LIST ICS 203 - EPA |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

| 3. INCIDENT COMMANDER / COMMAND STAFF: | |
|---|---|
| Incident Commander(s) | Jeffrey Fowlow, EPA<br>Jamie Collins, OR OSC<br>Rob Honsberger, RPIC |
| Deputy | John Berger, NWFF |
| Safety Officer | Allen Dimock, NWFF |
| Information Officer | Marianne Holsman, EPA<br>Laura Gliem/Jennifer Flynt, OR DEQ |
| | |

| 4. AGENCY REPRESENTATIVES: | |
|---|---|
| NRC (Contractor) | Chad Sisk |
| OR DOT | Charlies Schwarz |
| HydroCon | Rob Honsberger |
| | |

| 5. PLANNING SECTION: | |
|---|---|
| Chief | Matt Magorrian, EPA |
| Deputy | |
| Resources Unit | Ross McMakin, NWFF |
| Situation Unit | |
| Environmental Unit | Charles Kennedy |
| Deputy Environmental | Don Pettit |
| Demobilization Unit | |
| Technical Specialist | Faye Walstead-Keelan |
| Technical Specialist | Bryon Alexander |
| | |

| 6. LOGISTICS SECTION: | |
|---|---|
| Chief | |
| Deputy | |
| | |
| **a. Support Branch** | |
| Director | |
| Supply Unit | |
| Facilities Unit | |
| Ground Support Unit | |
| Transportation Unit | |
| **b. Service Branch** | |
| Director | |
| Communications Unit | |
| Medical Unit | |
| Food Unit | |

| 7. OPERATION SECTION: | |
|---|---|
| Chief | Shiloh McConnel, NWFF |
| Deputy | |
| Deputy | |
| Staging Area Manager | |
| | |
| **Branch 1** | |
| Deputy | |
| Division/Group A | On-water Ops – Seth Williams |
| Division/Group B | Land Operations – Chad Sisk |
| Division/Group | |
| **Branch 2** | |
| Director | |
| Deputy | |
| Division/Group | |
| Division/Group | |
| Division/Group | |
| Division/Group | |
| **Branch 3** | |
| Director | |
| Deputy | |
| Division/Group | |
| Division/Group | |
| Division/Group | |

| 8. FINANCE/ADMINISTRATION SECTION: | |
|---|---|
| Chief | |
| Time Unit | |
| Procurement Unit | |
| Compensation/Claims Unit | |
| Cost Unit | |

**NOTES:**

| 9. Prepared By: | (Date / Time) |
|---|---|
| Name: Matt Magorrian | Signature: |

| 1. Incident Name: | 2. Operational Period: ( Date / Time ) | ASSIGNMENT LIST<br>ICS 204 - EPA |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

| 3. Branch: | 4. Division/Group/Staging: |
|---|---|
| Division A | ODOT Weigh Station |

**5. Operations Personnel:**

| ICS Position | Name | Affiliation | Contact # (s) |
|---|---|---|---|
| Operations Section Chief: | Shiloh McConnell | NWFF | 541-231-2619 |
| Branch Director: | | | |
| Division/Group Supervisor/STAM: | Seth Williams | NWF | 541-745-8288 |

**Resources Assigned:** **"X" indicates 204a attachment with additional instructions**

| Strike Team/Task Force/ Resource Identifier | Leader | Contact Info. # | # of Persons | Reporting Info/Notes/Remarks | |
|---|---|---|---|---|---|
| NWFF Technicians | Alex | 541-231-0445 | 4 | | |
| | | | | | |

**7. Work Assignments:**

Check and maintain hard boom in place and deploy more boom if necessary
Check and replace soft boom as necessary
Provide boat transportation as needed to resource trustee representatives (NOAA/USFWS/ODFW) and air monitoring crews
Assist Land Operations Group as needed with flushing and recovery operations

**8. Special Instructions:**

PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor.

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

| Name/Function | Radio: Freq./System/Channel | Phone | Cell/Pager |
|---|---|---|---|
| All responders | Channel 1 | | |
| | | | |

**Emergency Communications: 911 and Safety Officer:** 541-602-5318

| 10. Prepared by: (RESL) (Date / Time) | 11. Reviewed by: (PSC) (Date / Time ) | 12. Reviewed by: (OPS) ( Date / Time ) |
|---|---|---|
| Matt Magorrian, 2/16/19 @1659 | Matt Magorrian, 2/16/19 @1659 | Shiloh McConnell, 2/16/19@1659 |

| 1. Incident Name: | 2. Operational Period: ( Date / Time ) | ASSIGNMENT LIST<br>ICS 204 - EPA |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |
| **3. Branch:** | **4. Division/Group/Staging:** | |
| Division B | ODOT Weigh Station | |

**5. Operations Personnel:**

| ICS Position | Name | Affiliation | Contact # (s) |
|---|---|---|---|
| Operations Section Chief: | Shiloh McConnell | NWFF | 541-231-2619 |
| Branch Director: | | | |
| Division/Group Supervisor/STAM: | Chad Sisik | NWFF | 971-352-5449 |

**Resources Assigned:** **"X" indicates 204a attachment with additional instructions**

| Strike Team/Task Force/ Resource Identifier | Leader | Contact Info. # | # of Persons | Reporting Info/Notes/Remarks | |
|---|---|---|---|---|---|
| Technicians | Chad Sisik | 971-352-5449 | 5 | | |
| | | | | | |

**7. Work Assignments:**

Continue

Commence flushing and recovery operations once traffic control has been established in westbound travel lane. Follow OWRD rregulations while drafting water (up to 100,000 gallons) from Lindsey Lake, including use of protective screen to minimize harm to fish and wildlife. Ensure recovery equipment is in place at collection point prior to beginning any flushing operations.

Utilize water tender to flush snow, ice, and accumulated diesel fuel from embankment. Simultaneously employ skimmer and/or vacuum truck to recover any fuel or oily water that then accumulates at collection point at Lindsey Lake. Employ best tactics to maximize recovery of oil and minimize recovery of water. Decanting not permitted unless allowed by FOSC. Vacuum truck should be on standby at ODOT weigh station before flushing commences.

Transport any diesel fuel or oily water recovered to Baker tank staged at Wyeth Sate Park. If time permits, utilize long-reach crane to recover any stockpiled solid waste (sorbent or sorbent boom) from Lindsey Lake shoreline to waiting tub truck. Dispose of solid waste in accordance with all applicable Federal and State regulations.

Check and maintain soft boom and replace if needed along shoreline.

**8. Special Instructions:**

PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor.

Be cautious of slippery slopes and rocky terrain.

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

| Name/Function | Radio: Freq./System/Channel | Phone | Cell/Pager |
|---|---|---|---|
| All responders | Channel 1 | | |
| | | | |
| | | | |

**Emergency Communications: 911 and Safety Officer:** 541-602-5318

| 10. Prepared by: (RESL) (Date / Time) | 11. Reviewed by: (PSC) (Date / Time ) | 12. Reviewed by: (OPS) ( Date / Time ) |
|---|---|---|
| Matt Magorrian, 2/16/19 @1659 | Matt Magorrian, 2/16/19 @1659 | Shiloh McConnell, 2/16/19@1659 |

INCIDENT RADIO COMMUNICATIONS PLAN

| 1. Incident Name: | 2. Operational Period: (Date / Time) | INCIDENT RADIO COMMUNICATIONS PLAN ICS 205 - EPA |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

3. Basic Radio Channel Use:

| SYSTEM / CACHE | CHANNEL | FUNCTION | FREQUENCY | ASSIGNMENT | REMARKS |
|---|---|---|---|---|---|
| Motorola | 1 | All staff | | All staff | Keep radio communication short, concise, and professional. |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

| 4. Prepared by: (Communications Unit) | | (Date / Time) |
|---|---|---|
| Name: Matt Magorrian/PSC | Signature: | 2/16/19 @ 1659 |

ICS 205 – EPA

| 1. Incident Name: | 2. Operational Period: Date / Time) | INCIDENT COMMUNICATIONS PLAN<br>ICS 205A - EPA |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

**3. Communication Contact List:**

| NAME | POSITION | PHONE NUMBER | AGENCY / AFFLIATION | EMAIL ADDRESS |
|---|---|---|---|---|
| Jeff Fowlow | Federal IC | 206-225-5582 | EPA | Fowlow.jeffrey@epa.gov |
| Jamie Collins | State IC | ~~578-488-9666~~ 578 488 9666 | ODEQ | |
| Rob Honsberger | RP IC | 206-856-6679 | HydroCon/Space Age Fuel | roberth@hydroconllc.net |
| John Berger | Dep IC | 541-740-4241 | NWFF | |
| Alan Dimock | SO | 541-602-5318 | NWFF | |
| Jennifer Flynt | PIO | | ODEQ | |
| Laura Gleim | PIO | | ODEQ | |
| Marianne Holsman | PIO | | EPA | |
| Scott Smith | LNO | | ODEQ | |
| Matt Magorrian | PSC | 206-437-9327 | EPA | Magorrian.matthew@epa.gov |
| Charles Kennedy | ENVL | 541-650-2326 | ODEQ | |
| Allison Kinney | ENV | | Bercher-ABAM | |
| Bryon Alexander | EU Tech | 208-970-0564 | EPA/E&E | |
| Faye Walstead-Keelan | EU Tech | 503-741-0383 | EPA/E&E | |
| Shiloh McConnell | OPS SC | 541-231-2619 | NWFF | |
| Chad Sisk | OPS Div Sup | 971-352-5449 | NWFF | |
| Follen Thor | OPS | 541-609-1969 | NWFF | |
| Alex Plawmen | OPS | 541-231-0445 | NWFF | |
| Arturo Gutierrez | OPS | 509-930-1688 | WFS | |
| Cesar Monroy | OPS | 541-243-2977 | NWFF | |
| Charles Schwerz | OPS | 503-880-9074 | OR DOT | |
| Chris Daschel | OPS | 503-891-4128 | HydroCon | |
| Clive B | OPS | 5090-985-7570 | WFS | |
| Daniel Holmes | OPS | | NRC | |
| Josh Rairden | OPS | 541-453-5896 | K&B | |
| Juan Diaz | OPS | 509-406-9118 | WFS | |
| Kevin Rairden | OPS | 541-602-9166 | K&B | |
| Robert Jones | OPS | | WFS | |
| Ross Mc | | | | |
| Seth Williams | OPS | 541-745-8288 | NWFF | |
| Stan Jensen | OPS | | NRC | |
| | | | | |

| 4. Prepared by: | | (Date / Time) |
|---|---|---|
| Name/Position: Matt Magorrian, PSC | Signature: | |

| INCIDENT COMMUNICATIONS PLAN | | ICS 205A - EPA *(Rev 02/10)* |
|---|---|---|
| **1. Incident Name:** | **2. Operational Period: (Date / Time)** | **MEDICAL PLAN ICS 206 - EPA** |
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

**3. Medical Aid Stations:**

| Name | Location | Contact # | Paramedics On Site (Y/N) |
|---|---|---|---|
| ODOT Weigh Station | ODOT Weigh Station on North side of I-84 just East of the spill site | None | N |
| | | | |
| | | | |
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| | | | |

**4. Transportation:**

| Ambulance Service | Address | Contact # | Level of Service | |
|---|---|---|---|---|
| | | | ALS | BLS |
| Hood River FD | Hood River, 5 miles East of spill site | 911 | x | x |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**5. Hospitals:**

| Hospital Name | Address | Contact # | Travel Time | | Burn Center (Y/N) | Helipad (Y/N) | Trauma Center (Y/N) |
|---|---|---|---|---|---|---|---|
| | | | Air | Ground | | | |
| Providence Memorial – Hood River | 811 13th Street, Hood River, OR | 541-436-4500 | | x | x | x | x |
| Mid-Columbia Medical Center | 1700 E 19th Street, the Dalles, OR | 541-295-1111 | | x | x | x | x |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**6. Special Medical Emergency Procedures:**

Due to extreme cold and weather conditions, hypothermia is a concern. Dehydration is also a concern so personnel must stay hydrated. In the event a person falls into the water, evacuate them to the ICP immediately, and place them in a warm, dry area; remove wet clothing to prevent progression of hypothermia.

| 7. Prepared by: (Medical Unit Leader) | (Date / Time) | 8. Reviewed by: (Safety Officer) | (Date / Time) |
|---|---|---|---|
| Matt Magorrian | 2/16/19 @ 1659 | Allen Dimock, SOFR | 2/16/19 @ 1659 |

| . Incident Name: | 2. Operational Period: ( Date / Time ) | DAILY MEETING/ CONFERENCE CALL SCHEDULE ICS 230 - EPA |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

**3. Meeting Schedule (Commonly-held meetings are included) :**

| Date/ Time | Meeting Name | Purpose | Attendees | Location |
|---|---|---|---|---|
| Daily 7:~~0~~0am 7:30 | OPERATIONS Briefing | 30-minutes Present the IAP to responders; brief oncoming ops section on daily operations | PSC Facilitates All Command & General Staff, all Operations staff | Viento Park ICP Garage/Briefing Room |
| Daily 10:30am | COMMAND & GENERAL STAFF Meeting | 30-minutes UC to provide updates, decisions and management directives to command & General Staff | PSC Facilitates All Command & General staff, SITL | Viento Park ICP Garage/Briefing Room |
| Daily 1:00pm | TACTICS Meeting | 30-minutes Develop plans for the following operational period | PSC Facilitates Operations, Safety, Logistics, Resources, Situation | Viento Park ICP Garage/Briefing Room |
| Daily 4:30pm | PLANNING Meeting | 45-minutes Define incident objectives, strategies and tactics, and identify resource needs | PSC Facilitates All Command & General staff, Resources, Situation | Viento Park ICP Garage/briefing Room |
| | | | | |

**4. Special and Other Meetings:**

| | | | | |
|---|---|---|---|---|
| Daily 1530 | All IAP Docs Due | All documents for the IAP are due to ICP | All staff | Magorrian.matthew@epa.gov & Ross |
| Daily 6:00pm | Daily operations terminate | All operations terminate, ICP closes | All staff | N/A |

| 5. Prepared by: (PSC) | | ( Date / Time ) |
|---|---|---|
| Name: | Signature: | |

| 1. Incident Name: | 2. Operational Period: ( Date / Time ) | RESOURCES AT RISK SUMMARY<br>ICS 232-OS |
|---|---|---|
| Lindsey Lake Tanker Truck Spill | From: 2/17/19 - 0700<br>To: 2/18/19 - 0659 | |

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

**Overall Objectives of Response – (#1) Safety of public and responders, (#2) Contain and recover diesel fuel against shoreline at seepage point, (#3) Protect wetlands and natural resources in Lindsey Lake and Lindsey Creek, (#4) Prevent fuel from moving into Columbia River**

| Site # | Priority | Site Name and/or Physical Location | Site Issues |
|---|---|---|---|
| Hwy MP 53.8 Columbia River Mile 158.8 | 1 | Lindsey Lake (AKA Lindsey Pond)<br>Source Control – Install containment boom against shoreline in area of product seepage, line with adsorbent boom to capture oil and keep oil out of lake. Replace sorbent boom as indicated by rate of oil saturation. | **Length:** 400' Boom – B2 (Contractor Boom) or equivalent. Sweeps or sorbent boom backing B2 to adsorb oil until small skimmer or vacuum truck can be placed/operated.<br>**Objective:** Containment & Recovery – Keep oil contained to limit impacts to Lindsey Lake.<br>**Resource concerns:** Sensitive nesting species, waterfowl and salmon concentrations and habitat. |
| B 158.8L | 2 | Lindsey Lake<br>(Cascade Locks, OR) | **Length:** ~~300'~~ 3000' Boom – B2 (Contractor Boom) or equivalent. Use 100' in "V" shape within Lindsey Lake at culvert through railway levee. Use additional 200' of boom in "V" shape in Columbia River on opposite side of levee as secondary containment for river.<br>**Objective:** Exclusion – Keep oil in Lindsey Lake from reaching Columbia River by blocking outfall/inlet to lake.<br>**Resource concerns:** Sensitive nesting species, waterfowl and salmon concentrations and habitat. **Fish passage must be maintained by keeping boom at distance from passage culvert.** |

**Narrative**

**Habitat Concerns**: Islands, sloughs and wetlands provide critical resting and feeding areas for wildlife and serve as important rearing areas for resident fish and juvenile salmonids. Various deep and shallow water river habitats support a reported 48 species of freshwater fish including species important to sport fishery such as trout, walleye, bass, sunfish, catfish and sturgeon. Additionally, numerous other small generally shallow water species such as dace, shiner, mosquitofish stickleback and sculpins occur here and serve as important food sources for birds, larger fish and other wildlife. Their occurrence in shallow water makes them more susceptible to the toxic effects of petroleum. Riparian habitats are heavily used by wildlife including river otter, beaver and raccoon.

**Wildlife Concerns**: This area is located on a major artery of the Pacific Flyway used primarily in October through February. Large numbers of waterfowl present, Pied-billed Grebe, Double-crested Cormorant, Canada Geese, Blue, Green, and Cinnamon Winged Teal, Mallard, Gadwall, Northern Shoveler, Redhead, ring-necked Duck, Lesser Ruddy Duck, Common Merganser, Lesser Scaup, Bufflehead, American Wigeon, Ring-billed Gulls, American Coot, Blue Herons and American White Pelicans are common in Fall. Bald Eagles are in the area and will prey on injured waterfowl. River otters, mink and beaver are present and vulnerable to oil exposure.

**Fish Concerns**: Sloughs and impoundments are critical rearing habitat for both salmonids and resident fish Adult and juvenile Fall Chinook, Coho and Steelhead runs are passing through the area in September and early October. Overwintering juvenile Coho and Chinook will be using the nearshore and backwater areas.

**Threatened & Endangered Species Concerns**: Listed stocks include: Upper Columbia River Spring [FE], Snake River Spring, summer, and Fall Chinook [FT], Snake River Sockeye salmon [FE] and upper Columbia River steelhead [FT], Snake River Steelhead [FT]. American White Pelican [SE]

**Juvenile coho, winter steelhead, and Redband trout are present in Lindsey Creek which enters Lindsey Lake (pond) at natural delta to west of spill seepage front on bank against the highway.**

**Report any observations of impacted fish, waterfowl or other wildlife to Operations Section Chief, ODFW (Jon Germond @ 503-947-6088) and USFWS (Mike Szumski @ 541-867-4550) immediately upon discovery.**

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

| Site # | Priority | Site Name and/or Physical Location | Site Issues |
|---|---|---|---|
| N/A | 1 | Sensitive tribal cultural sites | To be identified through consultation with local tribes and the **Oregon State Historical Preservation Office.** Initial consultations with SHPO and all four Federal treaty tribes with interests in the region indicated no resources are present in the immediate vicinity of the site; see below. Notifications to the tribes and SHPO were made between 2/12/19 and 2/13/19. |

| | | | |
|---|---|---|---|
| B-155.7L and others | 1 | Tribal fishing sites (numerous along Oregon shoreline) from site to Bonneville Dam | Fishing from scaffolds along the river and use of In-Lieu Sites (such as the Wyeth In-Lieu Site at RM 155.7L) have the potential for impacts from river operations (including boat launching with permission) during the response. CRITFC has been notified and continues on the response in a liaison capacity. |
| N/A | 2 | Columbia River Gorge National Scenic Area | Scenic, cultural, recreational, and natural resources. Coordination with CRGNSA initiated. Office closed due to inclement weather, left message with explanation of resource protection efforts and to call back with any questions or information (541-308-1700) |
| B-145.4-N | 2 | Bonneville Dam Fishway and USACE assets in area | Fishery resources. Notification to USACE made 2/11/2019 |
| N/A | 2 | Bonneville State park, Bonneville, OR | Public recreation. Notification to Oregon State Parks made 2/12/2019 |
| B-146.2L-N | 2 | Cascade Hatchery (Eagle Creek Hatchery) USFWS Facility | Notification to manager ~~503-801-3713~~ (advisory notification completed) 541-867-4550 |
| B-150.8L-N | 2 | City of Cascade Locks Water Intake | Call Public Works Foreman at 541-386-~~2711~~ 2616 (advisory notification completed via Sheriff's Emergency Line) |
| N/A | 2 | Oregon State Parks Department | Contact with OR State Parks made 2/12/2019 (Gary Curtis 541-388-6204) |

Narrative

Numerous culturally sensitive areas exist along the shorelines of the region. Tribal notifications have been made and coordination with Columbia River Intertribal Fisheries Commission and the Oregon State Historic Preservation Office is ongoing. Dennis Griffin with OR-SHPO has stated that there are no known archaeological sites in the response area. Advises to proceed, with due caution for unknown resources. See Inadvertent Discovery Plan for Cultural Resources, attached with this document.

| **5. Prepared by: (Environmental Unit Leader)** | **Date/Time** |
|---|---|
| Don Pettit, Dep EUL | 2/14/2019 1500 |

RESOURCES AT RISK SUMMARY ICS 232-OS

Org Chart
Waste Plan
T&D Plan
Decon Plan – personal & equipment
Sampling Plan
Waste collection pad
Tribal contact

## COLLINS Jamie

**From:** National Weather Service <nws.portland@noaa.gov>
**Sent:** Saturday, February 16, 2019 3:53 PM
**Subject:** Spot Forecast

```
FNUS76 KPQR 162352
FWSPQR

Spot Forecast for LINDSEY LAKE TANKER SPILL - I-84 AT MP 54...OREGON DEQ/USEPA
National Weather Service Portland OR
352 PM PST Sat Feb 16 2019

Forecast is based on forecast start time of 1600 PST on February 16.
If conditions become unrepresentative...contact the National Weather
Service Portland, Oregon office.

.DISCUSSION...
A rather cool air mass will remain over the region for next
several days. Will see showers into tonight, but will gradually be
decreasing after midnight. Generally dry weather for Sunday and
Monday, though will have patchy fog or freezing fog at night into
the morning hours. Next chance of rain arrives later Monday
night. Most of next week will be cool and unsettled, with snow
levels generally 500 to 1000 feet.

Pressure gradients remain light, so no strong east or west winds
expected through Monday.


.REST OF TODAY...
Sky/weather.........Cloudy. Showers, possibly mixed with snow at
                        times down to Columbia River level.
                     Snow level 800 to 1000 feet.
                     Little if any accumulation below 800 feet, but
                         up to 2 inches likely above 800 feet.
Chance of pcpn......100 percent.
Max temperature.....38 to 41.
Min humidity........above 85 percent.
Dewpoint............30 to 35.
Surface winds.......West winds 3 to 7 mph.
Visibility..........3 to 5 miles.


.TONIGHT...
Sky/weather.........Cloudy. Showers, mixed with wet snow at times down
                        to Columbia River level.
                     Snow level 500 to 800 feet.
                     Little if any accumulation below 500 feet, but
                         up to 2 inches likely above 500 feet.
                     Patchy fog and freezing fog later tonight.
Chance of pcpn......90 percent.
Min temperature.....22-27.
Max humidity........88-93 percent.
Dewpoint............27 decreasing to 22 early morning.
Surface winds.......West winds 6 to 11 mph decreasing to up to 6
                     mph late in the evening, then becoming drainage
                     less than 5 mph after midnight becoming west up
```

to 6 mph early morning.
Visibility.....MISSING.

Weather Details for Tonight....

| TIME (PST) | 6PM | 8PM | 10PM | MID | 2AM | 4AM | 6AM |
|---|---|---|---|---|---|---|---|
| Cloudcover (%).... | 97% | 95% | 90% | 90% | 85% | 70% | 65% |
| Temp..... | 36 | 34 | 33 | 32 | 30 | 28 | 26 |
| Dewpoint..... | 32 | 30 | 29 | 27 | 26 | 25 | 24 |
| RH..... | 85% | 86% | 84% | 83% | 86% | 89% | 92% |
| Surface wnd dir... | W | W | W | W | VRB | VRB | VRB |
| Surface wnd spd... | 4 | 4 | 4 | 3 | 2 | 2 | 2 |
| Visibility (sm).... | 5 | 6+ | 6+ | 6+ | 6+ | 4 | 3 |

.SUNDAY...
Sky/weather.....Morning clouds, then partly sunny. Areas of morning freezing fog.
Chance of pcpn.....less than 10 percent.
Max temperature.....39-44.
Min humidity.....65-70 percent.
Dewpoint.....22 deg early, then increasing to 30 deg.
Surface winds.....Variable winds 0 to 2 mph in the morning, then west 3 to 5 mph.
Visibility.....greater than 6 miles.

.SUNDAY NIGHT...
Sky/weather.....Partly cloudy. Patchy fog or freezing fog.
Chance of pcpn.....Zero percent.
Min temperature.....25 to 30.
Max humidity.....80 to 90 percent.
Dewpoint.....near 25.
Surface winds.....Variable winds 0 to 2 mp.
Visibility.....greater than 6 miles.

.EXTENDED OUTLOOK...
.MONDAY...Partly sunny. Patchy morning fog or freezing fog. Highs 35 to 40. Light west wind.

.TUESDAY...Mostly cloudy. A 50 percent chance of rain and snow showers. Snow level near 500 feet. Highs near 35. East winds 5 to 15 mph.

.WEDNESDAY...Cloudy, with rain at times. Highs near 40. Snow level near 1000 feet. East winds 5 to 15 mph.

.THURSDAY...Partly to mostly cloudy. A 30 percent chance of rain and snow showers. Snow level near 500 feet. Highs 35 to 40. West winds 5 to 10 mph.

.FRIDAY...Partly to mostly cloudy. A 30 percent chance of rain and snow showers. Snow level near 500 feet. Highs 35 to 40. West winds 5 to 10 mph.

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Forecaster...Rockey
Requested by...JAMIE COLLINS, STATE ON SCENE COORDINATOR
Type of request...HAZMAT
.TAG 1901587.0/PQR
.DELDT 02/16/19