Section 9407

In-Situ Burn Response Tool

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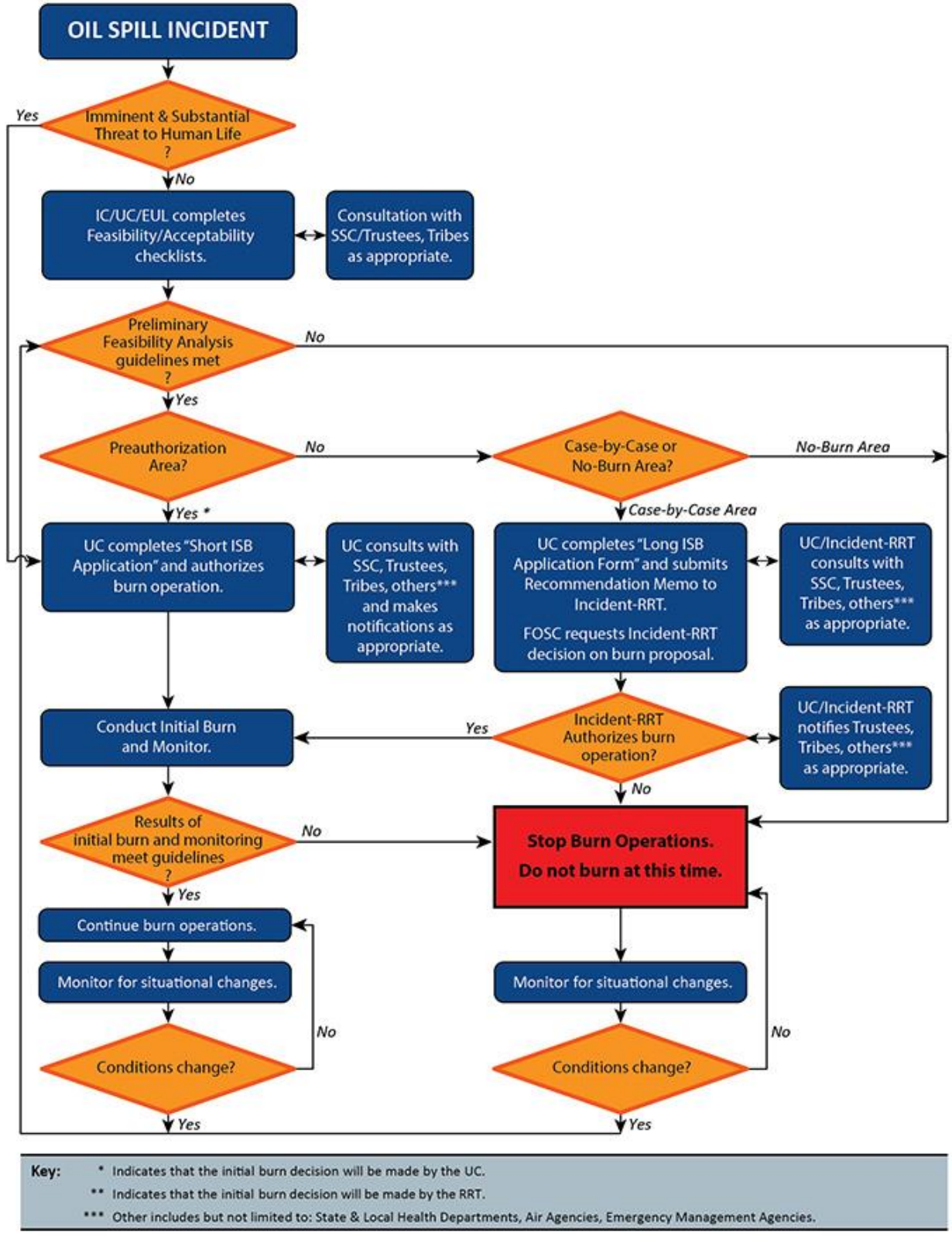
In-Situ Burn Response Tool

ISB Flowchart



Preliminary Feasibility Analysis for In-Situ Burn

1. Operational Feasibility

A. Do the oil type, state, volume spilled and anticipated encounter rate indicate a window of opportunity for successful containment & burning?
☐*Yes* ☐*No*

B. Do prevailing and forecasted weather and sea conditions indicate a window of opportunity for successful containment & burning?
☐*Yes* ☐*No*

C. Will equipment and trained personnel be available to conduct in-situ burning operations if an opportunity to use this tactic occurs?
☐*Yes* ☐*No*

If the answer to all questions in section 1 is yes, this tactic may be operationally feasible. Consider mobilizing necessary resources and

2. Public Safety Impact

A. Do prevailing and forecasted winds and atmospheric conditions indicate a window of acceptably low risk of possible heavy smoke exposure to populated areas?
☐*Yes* ☐*No*

B. Will equipment and trained personnel be available to conduct air monitoring in at-risk populated areas if burning is attempted?
☐*Yes* ☐*No*

If the answer to all questions in section 2 is yes, the risks to public safety may be acceptable. Consider movilizing necessary resources and proceed to section 3.

3. Environmental Impact

The EUL has evaluated the environmental tradeoffs associated with potential ISB operations for this incident, in consultation with natural resource managers and trustees, and determined that the use of *in-situ* burning is justified.
☐*Yes* ☐*No*

If the answer to all questions in section 3 is yes, the environmental impacts may be acceptable. Consider mobilizing necessary resources and proceed with application.

If any of the answers in any of the above sections is "no," approval of an insitu buringing application is unlikely at this point of time, unless conditions change. If the possibility of employing this tactic exists, consider mobilizing the necessary resources early in the response.

RRT X In-Situ Burning Application Form

Directions: For electronic use in MSWord, turn off "Design Mode" in the Developer menu. Macros & ActivX may need to be enabled by clicking on the Security Warning underneath the ribbon or through "Macro Security" in the Developer menu.

⊗ - Denotes information that is necessary for preauthorization notification (short form) to RRT X[1]. All other information must be provided at a later time upon request from RRT X, or must be provided for case-by-case approval from RRT X.

RESPONDING AGENCY

⊗ Time of Report:	Date	mm / dd / yyyy	Time (24 hr)		○ Pacific ○ Mountain
⊗ Acting OSC:	Name:		Agency:		
	Phone:		Email:		
⊗ Alternate Contact:	Name:		Agency:		
	Phone:		Email:		

(POTENTIALLY) RESPONSIBLE PARTY

⊗ Company Name:			⊗ Street Address:	
⊗ Primary Phone:			⊗ City, State, Zip:	
⊗ PRP IC:	Name:		Affiliation:	
	Phone:		Email:	
⊗ Alternate PRP Contact:	Name:		Affiliation:	
	Phone:		Email:	

[1] See Section 2.1 of the RRT X *In-Situ* Burn Plan

SPILL INFORMATION

⊗ Incident Name:					
⊗ Vessel or Facility Name:					
⊗ Date/Time Spill Occurred	Date	mm / dd / yyyy	Time (24 hr)		○ Pacific ○ Mountain
⊗ Location of Spill:	LAT:		LON:		
⊗ Type of Release:	○ Instantaneous ○ Continuous Flow				
⊗ Type of Incident:	☐ Grounding ☐ Transfer Operations ☐ Explosion ☐ Vehicle Accident ☐ Blowout ☐ Pipeline ☐ Other		⊗ Product(s) Released:	☐ Heavy Crude ☐ Bunker C/#6 Fuel Oil ☐ Medium Crude ☐ Diesel/#2 Fuel Oil ☐ Jet Fuels/Gasoline ☐ Other:	
⊗ Did source burn?	○ Yes ○ No		⊗ Is source still burning?	○ Yes ○ No	

OIL TYPE

⊗ Spilled oil/substance name (if known):				
API Gravity:		Pour Point:		○ °F ○ °C
Viscosity:		Percent Evaporation:	(24 hrs)	(48 hrs)
⊗ Amount Spilled:		○ Gals ○ BBLS (42Gals/BBL)		
⊗ Potential for spill size (if ongoing)		○ Gals ○ BBLS (42Gals/BBL)		
⊗ Flow Rate (if continuous):				
Did oil emulsify within the operational period?		○ Yes ○ No		
⊗ Oil Condition:	Fresh oil,< 2-3 days exposure	○ Yes ○ No	Oil is continuous and dark?	○ Yes ○ No

** **Any information from visual over flights of the slick, including estimations of slick thickness, color, and continuity should be included here. All additional available information pertaining to physical characterization of spilled oil should be included here.**

ENVIRONMENTAL CONDITIONS:

⊗ Current Weather:	☐ Clear ☐ Partly Cloudy ☐ Overcast	☐ Rain/Snow/Fog ☐ Inversion	
⊗ Current Wind Speed	**⊗ Surface[2]**	**⊗ Forecasted[3]**	**Transport[4]**
Speed (mph):			
Direction (from):			
⊗ Surface Current (Direction toward):	Degrees	⊗ Speed:	Knots
⊗ Visibility:	Nautical Miles	⊗ Ceiling:	Feet
⊗ Sea State (Wave Height):	Feet	⊗ Precipitation:	Inches
⊗ Sea Temperature:	°F	⊗ Air Temperature:	°F
⊗ Tidal Condition:		⊗ Water Depth:	Feet
Misc. Condition Notes			
⊗ Is visibility sufficient to see oil, containment systems, and aerial ops for burn observation?	○ Yes ○ No	⊗ Conditions acceptable for burn operations?	○ Yes ○ No
Degree of Weathering:	○ Mild ○ Moderate ○ Significant		

[2] Surface wind speeds are measured at the site at water level

[3] Forecasted wind speeds are usually measured at approximately 20 feet above water level

[4] Transport winds determine where and how fast the smoke plume will travel (provided by state forestry agency in daily prescribed fire or smoke management forecasts)

DESCRIPTION OF SPILL INCIDENT AND SPILL SITE:

Note all relevant details concerning the spill incident and spill site here. Note whether the spill was a one-time or continuous release, the amount of cargo remaining aboard the vessel, the stability of the vessel, and sensitive environmental conditions in the vicinity of the vessel. An estimated amount of oil on the water should be made, if possible, by using available information (which may be indicated by the color of the slick; generally the darker the oil, the thicker the slick). Also included should be a description of the location of the spill site, including the nearest major port.
⊗ **PROJECTED AREA OF IMPACT WITH NO RESPONSE:**
⊗ **Reasons Why Mechanical Removal of Oil is Not Feasible or Optimal (provide brief description):**

WEATHER FORECAST (can be completed by NOAA SSC):

24-HOUR PROJECTED FORCAST			
24hr Weather:	☐ Clear ☐ Partly Cloudy ☐ Overcast	☐ Rain/Snow/Fog ☐ Inversion	
24hr Wind Speed	**Surface[5]**	**Forecasted[6]**	**Transport[7]**
Speed (mph):			
Direction (from):			
24hr Surface Current (Direction toward):	Degrees	24hr Speed:	Knots
24hr Visibility:	Nautical Miles	24hr Ceiling:	Feet
24hr Sea State (Wave Height):	Feet	24hr Precipitation:	Inches
24hr Sea Temperature:	°F	24hr Air Temperature:	°F
24hr Tidal Condition:		24hr Water Depth:	Feet
Misc. Condition Notes			
Visibility expected to be sufficient in 24hrs?	○ Yes ○ No	Conditions expected to be acceptable for burn operations in 24hrs?	○ Yes ○ No
Projected Degree of Weathering in 24hrs:	○ Mild ○ Moderate ○ Significant		

[5] Surface wind speeds are measured at the site at water level

[6] Forecasted wind speeds are usually measured at approximately 20 feet above water level

[7] Transport winds determine where and how fast the smoke plume will travel (provided by state forestry agency in daily prescribed fire or smoke management forecasts)

48-HOUR PROJECTED FORCAST				
48hr Weather:	☐ Clear ☐ Partly Cloudy ☐ Overcast	☐ Rain/Snow/Fog ☐ Inversion		
48hr Wind Speed	**Surface[8]**	**Forecasted[9]**	**Transport[10]**	
Speed (mph):				
Direction (from):				
48hr Surface Current (Direction toward):	Degrees	48hr Speed:	Knots	
48hr Visibility:	Nautical Miles	48hr Ceiling:	Feet	
48hr Sea State (Wave Height):	Feet	48hr Precipitation:	Inches	
48hr Sea Temperature:	°F	48hr Air Temperature:	°F	
48hr Tidal Condition:		48hr Water Depth:	Feet	
Misc. Condition Notes				
Visibility expected to be sufficient in 48hrs?	○ Yes ○ No	Conditions expected to be acceptable for burn operations in 48hrs?	○ Yes ○ No	
Projected Degree of Weathering in 48hrs:	○ Mild ○ Moderate ○ Significant			

[8] Surface wind speeds are measured at the site at water level

[9] Forecasted wind speeds are usually measured at approximately 20 feet above water level

[10] Transport winds determine where and how fast the smoke plume will travel (provided by state forestry agency in daily prescribed fire or smoke management forecasts)

Evaluation of Response Operations, Equipment, and Personnel

⊗ Considering spill size, forecasted weather and trajectories, amount of available equipment, is there time to deploy mechanical recovery equipment?	○ Yes ○ No
⊗ Considering spill size, forecasted weather and trajectories, amount of available equipment, is there time to conduct burning operations?	○ Yes ○ No
⊗ *In-situ* burning is being considered for the following reasons(check all that apply)	☐ Remove oil to prevent spread to sensitive sites or over large areas ☐ Reduce the generation of oily wastes, especially where transportation or disposal options are limited ☐ Access to the site is limited by shallow water, soft substrates, thick vegetation, or the remoteness of the location ☐ Other removal methods have lost effectivness or become too intrusive ☐ Other (specify):
⊗ Has the burn area been isolated (e.g., by fire breaks)?	○ Yes ○ No
⊗ Is there an approved site safety plan in place?	○ Yes ○ No
⊗ Have local fire and police departments been notified?	○ Yes ○ No
⊗ Are the appropriate firefighting gear and personnel on-scene?	○ Yes ○ No
⊗ Is FAA-certified aircraft for ignition and aerial observation required?	○ Yes ○ No
⊗ If yes, are they available?[11]	○ Yes ○ No
⊗ Is ignition system available?	○ Yes ○ No
⊗ What is the type/Method of ignition to be used?	
⊗ Burn Agent[12] or Accelerant to be used?	○ Yes ○ No
⊗ Personnel trained, equipped with safety gear, & covered by site safety plan?	○ Yes ○ No
⊗ Communications System to communicate with aircraft and fire fighters available and working?	○ Yes ○ No
⊗ Is access to the site restricted to response personnel only?	○ Yes ○ No

[11] Flight requirements: daylight hours; visibility >1 mile; ceiling >500 feet

[12] A burning agent, a.k.a. "accelerant", is defined as an additive that, through physical or chemical means, improves the combustibility of the materials to which it is applied [40 CFR 300.5]

Trustees

Local public health official/agency notified and consulted? Name: Address: Phone:	○ Yes ○ No
Land Owner/Manager (federal/tribal/state/ private) notified and consulted? Name: Address: Phone:	○ Yes ○ No
Local Fire Management Officer/Fire Ecologist/State Forestry Commission consulted? Name: Address: Phone:	○ Yes ○ No
Historic Property Specialist pursuant to the Programmatic Agreement on Protection of Historic Properties during emergency response contacted? Name: Address: Phone:	○ Yes ○ No
State Natural Resource Agency notified and consulted? Name: Address: Phone:	○ Yes ○ No

⊗ State Natural Resource Agency notified and consulted? (check all that apply)	☐ Ecology ☐ ODEQ ☐ IDEQ ☐ Fish and Wildlife ☐ Parks ☐ Health
⊗ Federal Natural Resource Trustees notified and consulted? (check all that apply)	☐ Department of the Interior ☐ U.S. Forest Service ☐ Department of Energy ☐ Department of Defense ☐ National Oceanic and Atmospheric Administration / DOC ☐ Olympic Coastal National Marine Sanctuaary ☐ Other (specify):

Native American interests present? Tribal contact: Name: Address: Phone: Bureau of Indian Affairs contact: Name: Address: Phone:	○ Yes ○ No ○ Unknown

Habitats Impacted and Resources at Risk[13]

Surface water intakes and/or wells (public and/or private):		○ Yes ○ No
Habitat Type(s) Impacted:		☐ Ponderosa Pine Forest ☐ Mixed Conifer Forest ☐ Lowlands Conifer-Hardwood ☐ Grasslands ☐ Shrub-steppe ☐ Open Water: Marine/Freshwater ☐ Wetlands ☐ Estuarine [14] ☐ Riverine [15] ☐ Lacustrine [16] ☐ Palustrine [17] ☐ Marsh ☐ Agricultural lands ☐ Other (specify):
Seasonal concerns:		○ Yes ○ No
Comments:		
⊗ Biological Resources Describe	☐ Threatened and Endangered Species, including plants (list):	
	☐ Mammals	

[13] Summary of Protocol 3.9 from RRT XX *In-Situ* Burn Plan (also required for preauthorization): Burning will be conducted in accordance with consultations approved by USFWS and NMFS, under ESA Section & and EFH. Prior burning, an on-site survey will be conducted to determine if any threatened or endangered species are present or otherwise at risk, and natural resource specialists will be consulted.

[14] Estuarine wetlands - tidal wetlands in low-wave-energy environments where the salinity of the water is greater than 0.5 part per thousand and is variable owing to evaporation and the mixing of seawater and freshwater; tidal wetlands of coastal rivers and embayments, salty tidal marshes, and tidal flats.

[15] Riverine wetlands - wetlands within river and stream channels; ocean-derived salinity is less than 0.5 part per thousand.

[16] Lacustrine wetlands - wetlands within a lake or reservoir greater than 20 acres or within a lake or reservoir less than 20 acres if the water is greater than 2 meters deep in the deepest part of the basin; ocean-derived salinity is less than 0.5 part per thousand.

[17] Palustrine wetlands - freshwater wetlands including open water bodies of less than 20 acres in which water is less than 2 meters deep; includes marshes, wet meadows, fens, playas, potholes, bogs, swamps, and shallow ponds; most wetlands are in the Palustrine system.

Significant issues such as: • Large Concentrations • Breeding Activities • Rookeries • Designated Critical Habitat	☐ Waterfowl	
	☐ Wading Birds	
	☐ Diving Birds	
	☐ Shore Birds	
	☐ Raptors	
	☐ Fish	
	☐ Reptiles	
	☐ Amphibians	
	☐ Other	
	Comments/Attachments (i.e., ESI Maps)	
Natural Areas	☐ National Park	
	☐ National Wildlife Refuge	
	☐ National Marine Sanctuary	
	☐ National Forest	
	☐ State Park	
	☐ State Wildlife Area	
	☐ Other Natural Areas	
	Comments:	
Historic, Cultural, and Archeological Resources	○ Yes (list): ○ No ○ Unknown	
Commercial Harvest Areas	○ Yes (list): ○ No ○ Unknown	

Proposed Burn Plan

⊗ Proposed burning strategy (Check all appropriate)		☐ Ignition away from source after containment ☐ Immediate ignition at or near source ☐ Ignition of uncontained slick(s) at a safe distance ☐ Controlled burn at natural collection site at or near shore ☐ Multiple ignitions needed per burn	
⊗ Estimated amount of oil to be burned: (enter one or both)	Area		○ Square Feet ○ Acres
	Volume		○ Gals ○ BBLS (42Gals/BBL)
⊗ Estimated duration of burn:			○ Minutes ○ Hours
⊗ Are simultaneous burns planned?			○ Yes ○ No
⊗ If yes, how many?			
⊗ Are sequential or repeat burns planned (not simultaneous)?			○ Yes ○ No
Method for terminating the burn:			
⊗ Ability to collect burned oil residue?			○ Yes ○ No
Disposal method for oil residue:			
⊗ Estimated smoke plume trajectory:		(Degrees)	
		(Miles)	
⊗ SMART Monitoring Protocols in place?			○ Yes ○ No
Is additional monitoring required?			○ Yes (attach to form) ○ No

Evaluation of Anticipated Burn and Resulting Emissions

<table>
<tr><td rowspan="6">Using an appropriate chart, plot and calculate the following locations and distances:</td><td rowspan="2">Location of burn from source</td><td>(Degrees)</td></tr>
<tr><td>(Miles)</td></tr>
<tr><td rowspan="2">Location of burn from ignitable slick</td><td>(Degrees)</td></tr>
<tr><td>(Miles)</td></tr>
<tr><td rowspan="2">Location of burn from nearby populated areas</td><td>(Degrees)</td></tr>
<tr><td>(Miles)</td></tr>
<tr><td rowspan="2">Location of burn from commercial fishing</td><td>(Degrees)</td></tr>
<tr><td>(Miles)</td></tr>
<tr><td>⊗ Human populations of special concern:</td><td colspan="2">☐ Schools ☐ Nursing/convalescence homes
☐ Hospitals ☐ Retirement communities
☐ Day care centers ☐ Other :</td></tr>
<tr><td colspan="2">Using a distance of miles with the forecasted wind and transport wind direction, plot the estimated smoke plume with particulate concentration >150 ug/m3 and attach to this form</td><td>○ Attached
○ Other source:</td></tr>
<tr><td colspan="2">⊗ Will impairment of visibility affect airports and/or highways?</td><td>○ Yes ○ No</td></tr>
<tr><td colspan="2">⊗ Can burning be conducted in a controlled fashion?</td><td>○ Yes ○ No</td></tr>
<tr><td colspan="2">Explain measures to reduce and/or control secondary fires:</td><td></td></tr>
</table>

⊗ Are additional pollutants of concern present in the smoke plume?	○ Yes (list): ○ No ○ Unknown	(Consultation with local air and health authorities may be necessary)
⊗ Will the anticipated smoke plume disperse to levels below human health concern before reaching populated areas?		○ Yes ○ No ○ Unknown
⊗ Public notification (e.g. radio broadcast to public, safety zone broadcast to mariners, road closure, etc.) implemented?		○ Yes ○ No
⊗ A trial burn may be necessary to observe and confirm anticipated smoke plume behavior. Unless preauthorization conditions are met, trial burns must have RRT approval.	Is a trial burn necessary?	○ Yes ○ No
A. ⊗ Does the estimated smoke plume potentially impact a populated area with particulate concentrations averaged over one hour exceeding 150 ug/m3?	○ Yes (Continue to part B below) ○ No (Burning is acceptable)	
B. Can the impacted population be temporarily relocated prior to burning?	○ Yes (Initiate warning or evacuation) ○ No (Burning is not advised)	

OSC's Decision Regarding *In-Situ* Burning

⊗ OSC Initials				
	Do not conduct *in-situ* burning			
	In-situ burning may be conducted as requested (Burning may proceed if conditions for preauthorization are met[18]; otherwise, case-by-case approval[19] is needed from RRT X)			
⊗ OSC Signature:				
⊗ OSC Name (printed):				
⊗ Date	mm / dd / yyyy	⊗ Time (24 hr)		○ Pacific ○ Mountain
⊗ Unified Command Concurrence				
Signature	Name	Agency		

[18] See RRT X *In-Situ* Burn Plan Sections 2.1, 3, and 4.1

[19] See RRT X *In-Situ* Burn Plan Section 3 and 4.2

RRT X Decision Regarding *In-Situ* Burning

RRT Co-Chair Initials		
		Do not conduct *in-situ* burning (If burning was initiated under conditions for preauthorization, burning operations must be suspended until further notice from RRT X[20])
		In-situ burning may be conducted as requested
		In-situ burning may be conducted as requested pursuant to the attached conditions
EPA Co-Chair Signature:		
EPA Co-Chair Name (printed):		
USCG Co-Chair Signature:		
USCG Co-Chair Name (printed):		

Date	mm / dd / yyyy	Time (24 hr)		○ Pacific ○ Mountain

[20] See protocol 3.5 in the RRT X *In-Situ* Burn Plan

RRT X Member Concurrence		
Signature	Name	Agency
		(DOI)
		(DOC)
		(Affected State)
		(Affected State)
		(Affected Tribe)
		(Other Federal Trustee)
		(Other Federal Trustee)

Land Owner/Manager Concurrence		
Signature	Name	Representing

Technical Specialists and Other Contributors in the EU

Name and Agency (Print)	Signature	Recommendation

Washington Clean Air Agencies Contact Information

1.	**Olympic Region Clean Air Agency** *(Clallam, Grays Harbor, Jefferson, Mason, Pacific, Thurston Counties)* 2940 B Limited Lane NW Olympia WA 98502 Fran McNair, Executive Director Telephone: (360) 539-7610 or 1-800-422-5623 Fax: (360) 491-6308 Internet: http://www.orcaa.org	2.	**Department of Ecology – Northwest Regional Office** (*San Juan County)* 3190-160th Avenue SE Bellevue WA 98008-5452 Telephone: (425) 649-7000 Fax: (425) 649-7098, TTY: *1-800-833-6388*
3.	**Northwest Clean Air Agency** *(Island, Skagit, Whatcom Counties)* 1600 South Second Street Mount Vernon, WA 98273-5202 Mark Asmundson, Air Pollution Control Officer Telephone: (360) 428-1617 Telephone: 1-800-622-4627 (Island & Whatcom) Fax: (360) 428-1620; E-mail: info@nwcleanair.org Internet: http://www.nwcleanair.org/	4.	**Puget Sound Clean Air Agency** *(King, Kitsap, Pierce, Snohomish Counties)* 1904 Third Avenue, Suite 105 Seattle, WA 98101 Dennis J. McLerran, Air Pollution Control Officer Telephone: (206) 343-8800 or 1-800-552-3565 1-800-595-4341 (Burn Ban Recording) Fax: (206) 343-7522; E-mail: pscleanair.org Internet: http://www.pscleanair.org
5.	**Southwest Clean Air Agency** *(Clark, Cowlitz, Lewis, Skamania, Wahkiakum Counties)* 11815 NE 99th St. Suite 1294 Vancouver, WA 98682 Robert D. Elliott, Executive Director Telephone: (360) 574-3058 or 1-800-633-0709 Fax: (360) 576-0925; E-mail: webmaster@swcleanair.org Internet: http://www.swcleanair.org	6.	**Department of Ecology – Central Regional Office** *(Chelan, Douglas, Kittitas, Klickitat, Okanogan Counties)* 15 West Yakima Avenue, Suite #200 Yakima, WA 98902-3401 Telephone: (509) 575-2490 Fax: (509) 575-2809, TTY: *1-800-833-6388*
7.	**Yakima Regional Clean Air Agency** 329 N 1st Street Yakima, WA 98901 Gary Pruitt, Director Telephone: (509) 574-1410 or 1-800-540-6950 Fax: (509) 574-1411; E-mail: info@yrcaa.org Internet: http://www.yakimacleanair.org/	*8.*	***Department of Ecology – Eastern Regional Office*** *(Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Stevens, Walla Walla, Whitman Counties)* *4601 N. Monroe Street,* *Spokane, WA 99205-1295* *Telephone: (509) 329-3400* *Fax: (509) 329-3529, TTY: 1-800-833-6388*
9.	**Spokane Regional Clean Air Agency** 3104 E Augusta Ave. Spokane, WA 99207 William Dameworth, Director Telephone: (509) 477-4727 Fax: (509) 477-6828; E-mail: publicinfo@spokanecleanair.org Internet: http://www.spokanecleanair.org/	10.	**Benton Clean Air Agency** 526 S Clodfelter Rd. Kennewick, WA 99336-9594 Dave Lauer, Director Telephone: (509) 783-1304 Fax: (509) 783-6562 E-mail: email@bcaa.net Telephone: (509) 783-6198 or 1-800-856-6377 Internet: http://www.bcaa.net

Department of Ecology – Air Quality Program
PO Box 47600, Olympia, WA 98504-7600
Telephone: (360) 407-6800
Fax: (360) 407-7534, TTY: *1-800-833-6388*
Internet: http://www.ecy.wa.gov/programs/air/airhome.html

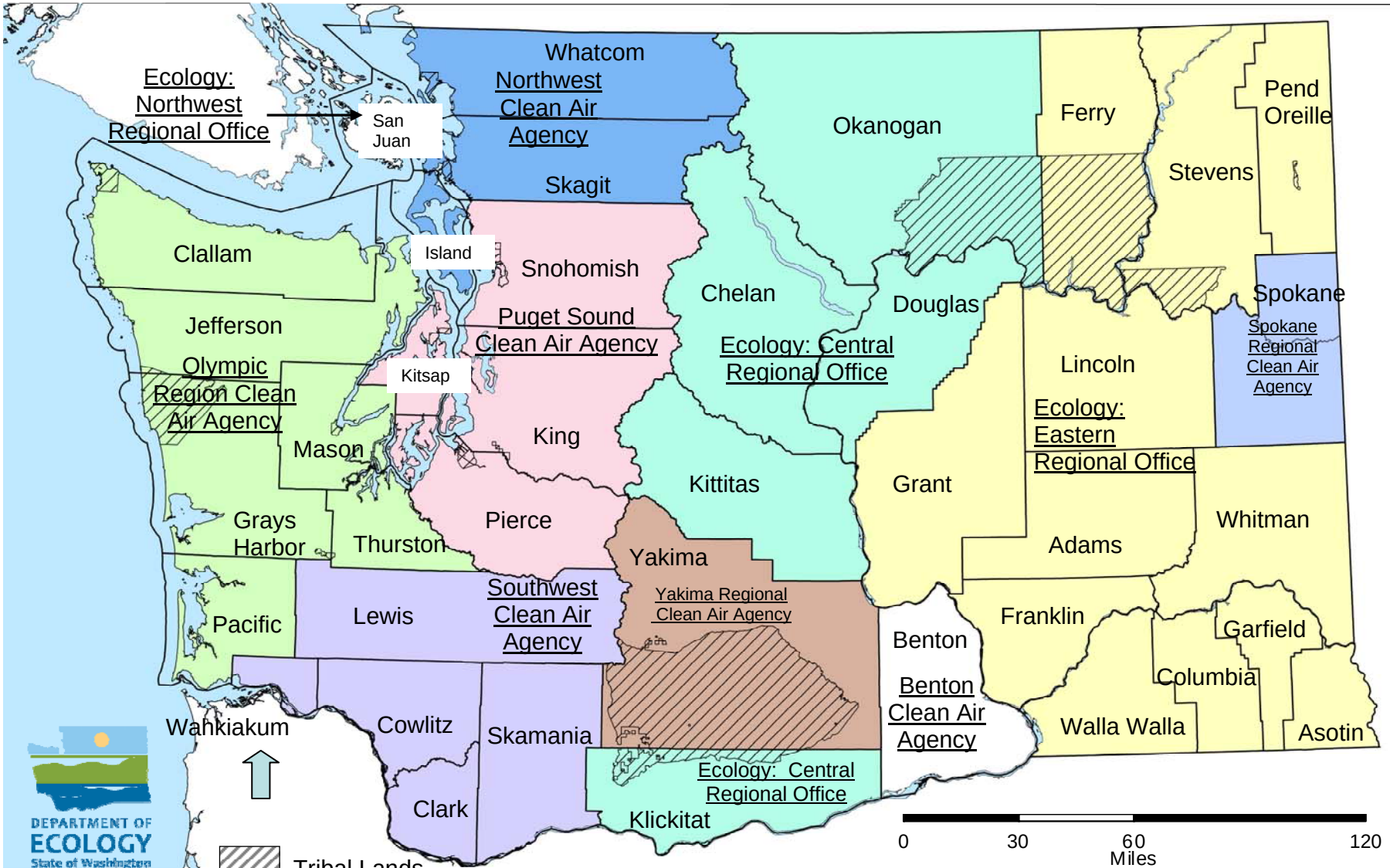
Pulp Mills, Aluminum Smelters
Department of Ecology – Industrial Section
PO Box 47600, Olympia, WA 98504-7600
Telephone: (360) 407-6916
Fax: (360) 407-6902 TTY: *1-800-833-6388*

Department of Ecology Southwest Regional Office, PO Box 47775, Olympia, WA 98504-7775
Telephone: (360) 407-6300 – Fax: (360) 407-6305, TTY: *1-800-833-6388*

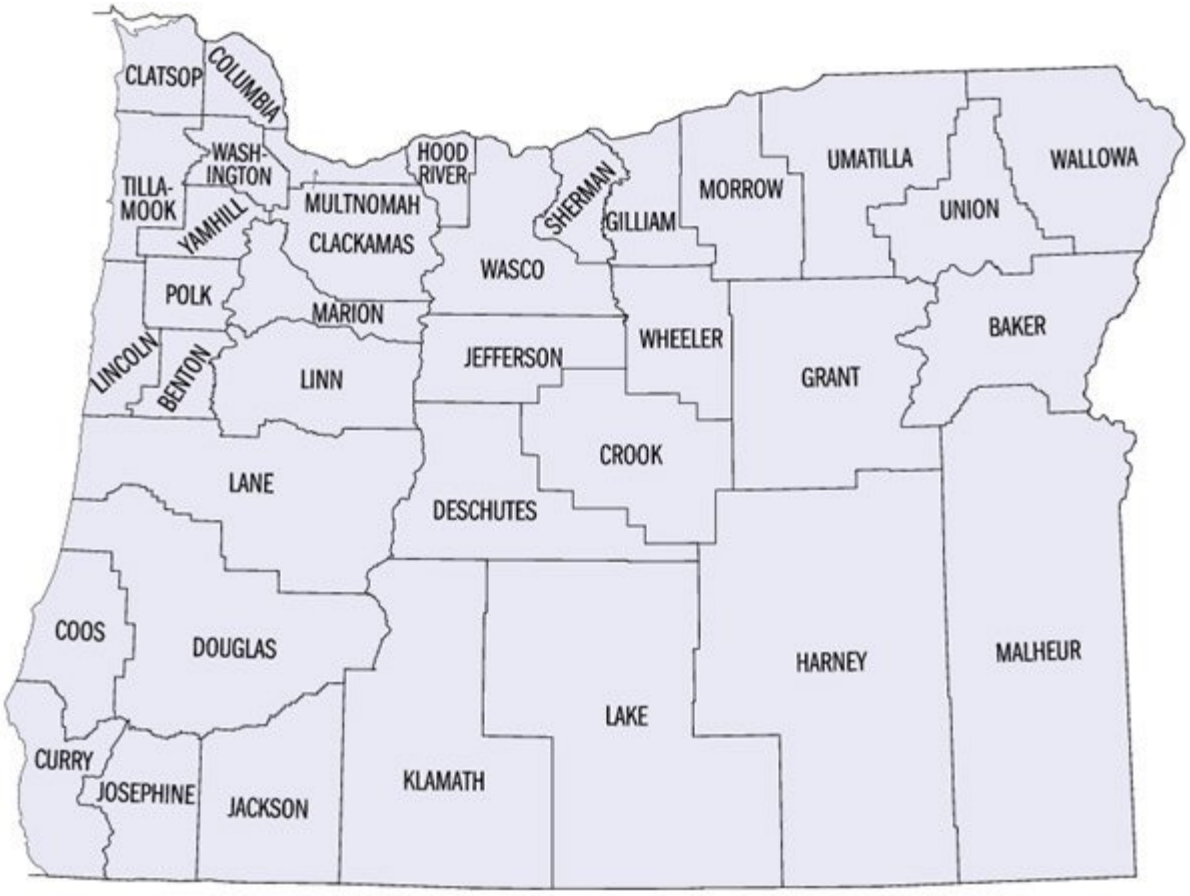
If you need this document in another format, please contact Ecology's Air Quality Program at (360) 407-6800 (Voice) or 1-800-833-6388 (TTY).

Sept 4, 2009

Washington Clean Air Agencies



Sources of Information about Air Pollution in Oregon State	
1.	**Oregon Department of Environmental Quality-Air Quality Division** 811 SW Sixth Avenue, Portland, OR 97204 503-229-5359, FAX 503-229-5676 Contact: Brian Finneran, Senior Non-Point Source Specialist, 503-229-6278 http://www.oregon.gov/DEQ/AQ/Pages/index.aspx
2.	**Oregon Department of Environmental Quality Northwest Region Air Quality** Clatsop, Columbia, Multnomah, Washington, Tillamook and Clackamas Counties 2020 SW Fourth Avenue # 400, Portland, OR 97201-4987 503-229-5263, FAX 503-229-6945, TTY 503-229-5471 Contact: David Monro, Air Quality Manager, 503-229-5160
3.	**Oregon Department of Environmental Quality, Western Region-Salem** Yamhill, Polk, Marion, Linn, Benton and Lincoln Counites 750 Front Street NW, Suite 120, Salem OR 97301 503-378-8240, FAX 503-378-4196, TYY503-378-3684 Contact: Claudia Davis, Air Quality Manager WR-North, 503-379-5078
4.	**Oregon Department of Environmental Quality Western Region-Medford** Douglas, Coos, Curry, Josephine and Jackson counties 221 Stewart Ave, Suite 201, Medford, OR 97501 541-776-6010, FAX 541-776-6262, TTY 541-776-6105 Contact: Byron Peterson, Air Quality Inspector, WR-South 541-776-6052
5.	**Oregon Department of Environmental Quality Eastern Region** Hood River, Wasco, Sherman, Gilliam, Jefferson, Wheeler, Crook, Deschutes, Klamath, Lake, Morrow, Umatilla, Union, Wallowa, Grant, Baker, Harney and Malheur counties 475 NE Bellevue, Suite 110, Bend, OR 97701 541-388-6146, FAX 541-388-8283 Contact: Mark Bailey, Air Quality Manager, 541-633-2006
6.	**Lane Regional Air Protection Agency** Lane County 1010 Main Street, Springfield, OR 97477 541-736-1056, FAX 541-726-1205 Contact: Sally Markos, Public Information and Education/Outreach 541-736-1056 X217 http://lrapa.org/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MOOK
YAMHILL
MULTNOMAH
CLACKAMAS
HOOD
RIVER
SHERMAN
GILLIAM
MORROW
UMATILLA
UNION
WALLOWA
WASCO
POLK
MARION
JEFFERSON
WHEELER
GRANT
BAKER
LINCOLN
BENTON
LINN
CROOK
LANE
DESCHUTES
COOS
DOUGLAS
HARNEY
MALHEUR
LAKE
CURRY
JOSEPHINE
JACKSON
KLAMATH