# *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]](#footnote-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 | Click here to enter text.  mm / dd / yyyy | Time (24 hr) | Click here to enter text. |  |
| ⊗ Acting OSC: | Name: | Click here to enter text. | Agency: | Click here to enter text. | |
| Phone: | Click here to enter text. | Email: | Click here to enter text. | |
| ⊗ Alternate Contact: | Name: | Click here to enter text. | Agency: | Click here to enter text. | |
| Phone: | Click here to enter text. | Email: | Click here to enter text. | |

**(POTENTIALLY) RESPONSIBLE PARTY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ⊗ Company Name: | | Click here to enter text. | ⊗ Street Address: | Click here to enter text. |
| ⊗ Primary Phone: | | Click here to enter text. | ⊗ City, State, Zip: | Click here to enter text. |
| ⊗ PRP IC: | Name: | Click here to enter text. | Affiliation: | Click here to enter text. |
| Phone: | Click here to enter text. | Email: | Click here to enter text. |
| ⊗ Alternate PRP Contact: | Name: | Click here to enter text. | Affiliation: | Click here to enter text. |
| Phone: | Click here to enter text. | Email: | Click here to enter text. |

**SPILL INFORMATION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ⊗ Incident Name: | Click here to enter text. | | | | |
| ⊗ Vessel or Facility Name: | Click here to enter text. | | | | |
| ⊗ Date/Time Spill Occurred | Date | Click here to enter text.  mm / dd / yyyy | Time (24 hr) | Click here to enter text. |  |
| ⊗ Location of Spill: | LAT: | Click here to enter text. | LON: | Click here to enter text. | |
| ⊗ Type of Release: |  | | | | |
| ⊗ Type of Incident: |  | | ⊗ Product(s)  Released: |  | |
| ⊗ Did source burn? |  | | ⊗ Is source still burning? |  | |

**OIL TYPE**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ⊗ Spilled oil/substance name (if known): | | | | | Click here to enter text. | | | | | |
| API Gravity: | Click here to enter text. | | | Pour Point: | | | Click here to enter text. | |  | |
| Viscosity: | Click here to enter text. | | | Percent Evaporation: | | | Click here to enter text. (24 hrs) | | Click here to enter text. (48 hrs) | |
| ⊗ Amount Spilled: | | Click here to enter text. | | | |  | | | | |
| ⊗ Potential for spill size (if ongoing) | | Click here to enter text. | | | |  | | | | |
| ⊗ Flow Rate  (if continuous): | | Click here to enter text. | | | | | | | | |
| Did oil emulsify within the operational period? | | | | |  | | | | | |
| ⊗ Oil Condition: | | | Fresh oil,< 2-3 days exposure | |  | | | Oil is continuous and dark? | |  |
| \*\* **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.** | | | | | | | | | | |
| Click here to enter text. | | | | | | | | | | |

**ENVIRONMENTAL CONDITIONS:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ⊗ Current Weather: |  | | | |
| ⊗ **Current Wind Speed** | ⊗ **Surface[[2]](#footnote-2)** | ⊗ **Forecasted[[3]](#footnote-3)** | | **Transport[[4]](#footnote-4)** |
| Speed (mph): |  |  | |  |
| Direction (from): |  |  | |  |
| ⊗ Surface Current  (Direction toward): | Click here to enter text. Degrees | ⊗ Speed: | Click here to enter text. Knots | |
| ⊗ Visibility: | Click here to enter text. Nautical Miles | ⊗ Ceiling: | Click here to enter text. Feet | |
| ⊗ Sea State  (Wave Height): | Click here to enter text. Feet | ⊗ Precipitation: | Click here to enter text. Inches | |
| ⊗ Sea Temperature: | Click here to enter text. °F | ⊗ Air Temperature: | Click here to enter text. °F | |
| ⊗ Tidal Condition: | Click here to enter text. | ⊗ Water Depth: | Click here to enter text. Feet | |
| Misc. Condition Notes | Click here to enter text. | | | |
| ⊗ Is visibility sufficient to see oil, containment systems, and aerial ops for burn observation? |  | ⊗ Conditions acceptable for burn operations? |  | |
| Degree of Weathering: |  | | | |

**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. |
| Click here to enter text. |
| ⊗ **PROJECTED AREA OF IMPACT WITH NO RESPONSE:** |
| Click here to enter text. |
| ⊗ **Reasons Why Mechanical Removal of Oil is Not Feasible or Optimal (provide brief description):** |
| Click here to enter text. |

**WEATHER FORECAST (can be completed by NOAA SSC):**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **24-HOUR PROJECTED FORCAST** | | | | | | |
| 24hr Weather: |  | | | | | |
| **24hr Wind Speed** | **Surface[[5]](#footnote-5)** | | **Forecasted[[6]](#footnote-6)** | | **Transport[[7]](#footnote-7)** | |
| Speed (mph): |  | |  | |  | |
| Direction (from): |  | |  | |  | |
| 24hr Surface Current  (Direction toward): | Click here to enter text. Degrees | | 24hr Speed: | Click here to enter text. Knots | | |
| 24hr Visibility: | Click here to enter text. Nautical Miles | | 24hr Ceiling: | Click here to enter text. Feet | | |
| 24hr Sea State  (Wave Height): | Click here to enter text. Feet | | 24hr Precipitation: | Click here to enter text. Inches | | |
| 24hr Sea Temperature: | Click here to enter text. °F | | 24hr Air Temperature: | Click here to enter text. °F | | |
| 24hr Tidal Condition: | Click here to enter text. | | 24hr Water Depth: | Click here to enter text. Feet | | |
| Misc. Condition Notes | Click here to enter text. | | | | | |
| Visibility expected to be sufficient in 24hrs? |  | Conditions expected to be acceptable for burn operations in 24hrs? | | | |  |
| Projected Degree of Weathering in 24hrs: | |  | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **48-HOUR PROJECTED FORCAST** | | | | | | |
| 48hr Weather: |  | | | | | |
| **48hr Wind Speed** | **Surface[[8]](#footnote-8)** | | **Forecasted[[9]](#footnote-9)** | | **Transport[[10]](#footnote-10)** | |
| Speed (mph): |  | |  | |  | |
| Direction (from): |  | |  | |  | |
| 48hr Surface Current  (Direction toward): | Click here to enter text. Degrees | | 48hr Speed: | Click here to enter text. Knots | | |
| 48hr Visibility: | Click here to enter text. Nautical Miles | | 48hr Ceiling: | Click here to enter text. Feet | | |
| 48hr Sea State  (Wave Height): | Click here to enter text. Feet | | 48hr Precipitation: | Click here to enter text. Inches | | |
| 48hr Sea Temperature: | Click here to enter text. °F | | 48hr Air Temperature: | Click here to enter text. °F | | |
| 48hr Tidal Condition: | Click here to enter text. | | 48hr Water Depth: | Click here to enter text. Feet | | |
| Misc. Condition Notes | Click here to enter text. | | | | | |
| Visibility expected to be sufficient in 48hrs? |  | Conditions expected to be acceptable for burn operations in 48hrs? | | | |  |
| Projected Degree of Weathering in 48hrs: | |  | | | | |

**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? | | |  |
| ⊗ Considering spill size, forecasted weather and trajectories, amount of available equipment, is there time to conduct burning operations? | | |  |
| ⊗ *In-situ* burning is being considered for the following reasons(check all that apply) | Click here to enter text. | | |
| ⊗ Has the burn area been isolated (e.g., by fire breaks)? | | |  |
| ⊗ Is there an approved site safety plan in place? | | |  |
| ⊗ Have local fire and police departments been notified? | | |  |
| ⊗ Are the appropriate firefighting gear and personnel on-scene? | | |  |
| ⊗ Is FAA-certified aircraft for ignition and aerial observation required? | | |  |
| ⊗ If yes, are they available?[[11]](#footnote-11) | | |  |
| ⊗ Is ignition system available? | | |  |
| ⊗ What is the type/Method of ignition to be used? | | Click here to enter text. | |
| ⊗ Burn Agent[[12]](#footnote-12) or Accelerant to be used? | | |  |
| ⊗ Personnel trained, equipped with safety gear, & covered by site safety plan? | | |  |
| ⊗ Communications System to communicate with aircraft and fire fighters available and working? | | |  |
| ⊗ Is access to the site restricted to response personnel only? | | |  |

**Trustees**

|  |  |  |  |
| --- | --- | --- | --- |
| Local public health official/agency notified and consulted?  Name: Click here to enter text.  Address: Click here to enter text.  Phone: Click here to enter text. | |  | |
| Land Owner/Manager (federal/tribal/state/ private) notified and consulted?  Name: Click here to enter text.  Address: Click here to enter text.  Phone: Click here to enter text. | |  | |
| Local Fire Management Officer/Fire Ecologist/State Forestry Commission consulted?  Name: Click here to enter text.  Address: Click here to enter text.  Phone: Click here to enter text. | |  | |
| 1. Historic Property Specialist pursuant to the Programmatic Agreement on Protection of Historic Properties during emergency response contacted?   Name: Click here to enter text.  Address: Click here to enter text.  Phone: Click here to enter text. | |  | |
| State Natural Resource Agency notified and consulted?  Name: Click here to enter text.  Address: Click here to enter text.  Phone: Click here to enter text. | |  | |
| ⊗ State Natural Resource Agency notified and consulted? (check all that apply) |  | |
| ⊗ Federal Natural Resource Trustees notified and consulted? (check all that apply) | Click here to enter text. | |
| Native American interests present?  Tribal contact:  Name: Click here to enter text.  Address: Click here to enter text.  Phone: Click here to enter text.  Bureau of Indian Affairs contact:  Name: Click here to enter text.  Address: Click here to enter text.  Phone: Click here to enter text. | |  | |

**Habitats Impacted and Resources at Risk[[13]](#footnote-13)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Surface water intakes and/or wells (public and/or private): | | | | |  |
| Habitat Type(s) Impacted: | | | | [[14]](#footnote-14)  [[15]](#footnote-15)  [[16]](#footnote-16)  [[17]](#footnote-17) | |
| Seasonal concerns: | | | |  | |
| Comments: | Click here to enter text. | | | | |
| ⊗ Biological Resources  Describe Significant issues such as:   * Large Concentrations * Breeding Activities * Rookeries * Designated Critical Habitat | |  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
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|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
| Comments/Attachments (i.e., ESI Maps) | Click here to enter text. | | |
| Natural Areas | |  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
|  | Click here to enter text. | | |
| Comments: | Click here to enter text. | | |
| Historic, Cultural, and Archeological Resources | |  | Click here to enter text. | | |
| Commercial Harvest Areas | |  | Click here to enter text. | | |

**Proposed Burn Plan**

|  |  |  |  |
| --- | --- | --- | --- |
| ⊗ Proposed burning strategy  (Check all appropriate) | |  | |
| ⊗ Estimated amount of oil to be burned:  (enter one or both) | Area | Click here to enter text. |  |
| Volume | Click here to enter text. |  |
| ⊗ Estimated duration of burn: | | Click here to enter text. |  |
| ⊗ Are simultaneous burns planned? | | |  |
| ⊗ If yes, how many? | | Click here to enter text. | |
| ⊗ Are sequential or repeat burns planned (not simultaneous)? | | |  |
| Method for terminating the burn: | | Click here to enter text. | |
| ⊗ Ability to collect burned oil residue? | | |  |
| Disposal method for oil residue: | | Click here to enter text. | |
| ⊗ Estimated smoke plume trajectory: | | Click here to enter text. (Degrees) | |
| Click here to enter text. (Miles) | |
| ⊗ SMART Monitoring Protocols in place? | | |  |
| Is additional monitoring required? | | |  |

**Evaluation of Anticipated Burn and Resulting Emissions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Using an appropriate chart, plot and calculate the following locations and distances: | Location of burn from source | Click here to enter text. (Degrees) | | |
| Click here to enter text. (Miles) | | |
| Location of burn from ignitable slick | Click here to enter text. (Degrees) | | |
| Click here to enter text. (Miles) | | |
| Location of burn from nearby populated areas | Click here to enter text. (Degrees) | | |
| Click here to enter text. (Miles) | | |
| Location of burn from commercial fishing | Click here to enter text. (Degrees) | | |
| Click here to enter text. (Miles) | | |
| ⊗ Human populations of special concern: | Click here to enter text. | | | |
| 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 | | | | Click here to enter text. |
| ⊗ Will impairment of visibility affect airports and/or highways? | | | |  |
| ⊗ Can burning be conducted in a controlled fashion? | | | |  |
| Explain measures to reduce and/or control secondary fires: | | | Click here to enter text. | |

|  |  |  |  |
| --- | --- | --- | --- |
| ⊗ Are additional pollutants of concern present in the smoke plume? |  | Click here to enter text.  (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? | |  | |
| ⊗ Public notification (e.g. radio broadcast to public, safety zone broadcast to mariners, road closure, etc.) implemented? | |  | |
| ⊗ 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? | |  |
| 1. ⊗ Does the estimated smoke plume potentially impact a populated area with particulate concentrations averaged over one hour exceeding 150 ug/m3? |  | | |
| 1. Can the impacted population be temporarily relocated prior to burning? |  | | |

**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]](#footnote-18); otherwise, case-by-case approval[[19]](#footnote-19) is needed from RRT X) | | | | | |
| ⊗ OSC Signature: | | | | | | | |
| ⊗ OSC Name (printed): Click here to enter text. | | | | | | | |
| ⊗ Date | Click here to enter text.  mm / dd / yyyy | | | ⊗ Time (24 hr) | Click here to enter text. | |  |
| ⊗ Unified Command Concurrence | | | | | | | |
| Signature | | | Name | | | Agency | |
|  | | | Click here to enter text. | | | Click here to enter text. | |
|  | | | Click here to enter text. | | | Click here to enter text. | |
|  | | | Click here to enter text. | | | Click here to enter text. | |
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|  | | | Click here to enter text. | | | Click here to enter text. | |
|  | | | Click here to enter text. | | | Click here to enter text. | |

**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]](#footnote-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): Click here to enter text. | | | | | | |
| USCG Co-Chair Signature: | | | | | | |
| USCG Co-Chair Name (printed): Click here to enter text. | | | | | | |
| Date | | Click here to enter text.  mm / dd / yyyy | | Time (24 hr) | Click here to enter text. |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RRT X Member Concurrence | | | | |
| Signature | | Name | | Agency |
|  | | Click here to enter text. | | Click here to enter text.  (DOI) |
|  | | Click here to enter text. | | Click here to enter text.  (DOC) |
|  | | Click here to enter text. | | Click here to enter text. (Affected State) |
|  | | Click here to enter text. | | Click here to enter text. (Affected State) |
|  | | Click here to enter text. | | Click here to enter text. (Affected Tribe) |
|  | | Click here to enter text. | | Click here to enter text. (Other Federal Trustee) |
|  | | Click here to enter text. | | Click here to enter text.(Other Federal Trustee) |
|  | | Click here to enter text. | | Click here to enter text. |
|  | | Click here to enter text. | | Click here to enter text. |
|  | | Click here to enter text. | | Click here to enter text. |
| Land Owner/Manager Concurrence | | | | |
| Signature | | Name | | Representing |
|  | | Click here to enter text. | | Click here to enter text. |
|  | | Click here to enter text. | | Click here to enter text. |
| **Technical Specialists and Other Contributors in the EU** | | | | |
| **Name and Agency (Print)** | Signature | | Recommendation | |
|  |  | |  | |
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|  |  | |  | |

1. See Section 2.1 of the RRT X *In-Situ* Burn Plan [↑](#footnote-ref-1)
2. Surface wind speeds are measured at the site at water level [↑](#footnote-ref-2)
3. Forecasted wind speeds are usually measured at approximately 20 feet above water level [↑](#footnote-ref-3)
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) [↑](#footnote-ref-4)
5. Surface wind speeds are measured at the site at water level [↑](#footnote-ref-5)
6. Forecasted wind speeds are usually measured at approximately 20 feet above water level [↑](#footnote-ref-6)
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) [↑](#footnote-ref-7)
8. Surface wind speeds are measured at the site at water level [↑](#footnote-ref-8)
9. Forecasted wind speeds are usually measured at approximately 20 feet above water level [↑](#footnote-ref-9)
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) [↑](#footnote-ref-10)
11. Flight requirements: daylight hours; visibility >1 mile; ceiling >500 feet [↑](#footnote-ref-11)
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] [↑](#footnote-ref-12)
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. [↑](#footnote-ref-13)
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. [↑](#footnote-ref-14)
15. Riverine wetlands - wetlands within river and stream channels; ocean-derived salinity is less than 0.5 part per thousand. [↑](#footnote-ref-15)
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. [↑](#footnote-ref-16)
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. [↑](#footnote-ref-17)
18. See RRT X *In-Situ* Burn Plan Sections 2.1, 3, and 4.1 [↑](#footnote-ref-18)
19. See RRT X *In-Situ* Burn Plan Section 3 and 4.2 [↑](#footnote-ref-19)
20. See protocol 3.5 in the RRT X *In-Situ* Burn Plan [↑](#footnote-ref-20)