

Appendix D

**Procedures for Mixing, Loading, and Disposal of Herbicides and  
Herbicide Spill Plan for Noxious Weed Control  
Salmon–Challis National Forest**

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## APPENDIX D

# Procedures for Mixing, Loading, and Disposal of Herbicides

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Procedures for mixing, loading, and disposing of herbicides will comply with Forest Service Manual (FSM) 2109.14 Chapter 40.

The following summary is taken from the Frank Church River of No Return Noxious Weed Treatments Final Environmental Impact Statement, Intermountain and Northern Regions: Bitterroot, Nez Perce, Payette, and Salmon-Challis National Forests (U.S. Forest Service, 1999a).

- All mixing of herbicides will occur at least 100 feet from surface waters or well heads
- All hoses used to add dilution water to spray containers will be equipped with a device to prevent back-siphoning
- Applicators will mix only those quantities of herbicides that can be reasonably used in a day
- During mixing, mixers will wear a hard hat, goggles or face shield, rubber gloves, rubber boots, and protective overalls
- All empty containers will be triple rinsed and disposed of by spraying near the treatment site at rates that do not exceed those on the treatment site
- All unused herbicides will be stored in a locked building in accordance with herbicide storage regulations contained in FSM 2109.14
- All empty and rinsed herbicide containers will be punctured and either burned or disposed of in a sanitary landfill
- Any additional herbicide label requirements will be strictly followed during the mixing, loading, and disposal of herbicides

# Herbicide Spill Plan for Noxious Weed Control Salmon-Challis National Forest

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All actions involving incidents, spills, and accidents will comply with FSM 2109.14 Chapter 60.

The following has been modified from the Flathead National Forest Noxious and Invasive Weed Control Environmental Assessment (U.S. Forest Service 2000a).

A reportable herbicide spill is one pint of concentrate of herbicide and/or five gallons of mixed herbicide, even if these amounts can be contained and recovered by the weed field crew. Spills that can be contained and recovered will thereafter be applied in the field according to the label requirements for the herbicide. For any spill that cannot be contained or recovered by the weed field crew, spill clean-up will be assisted by one of the agencies listed below.

If a herbicide spill occurs, the field crew will radio the Ranger District they are working in, and report the spill. The receptionist on duty will use the form on the attached sheet to gather information. The information will then be forwarded to the appropriate District Safety Officer and to the S-CNF/BLM Interagency Hazardous Materials coordinator for appropriate action. The National Poison Control Center (1-800-222-1222) will be contacted as necessary.

At a minimum, the following equipment and materials will be available with vehicles or pack stock used to transport herbicides.

- A shovel
- Absorbent material or the equivalent
- Plastic garbage bags or buckets
- Rubber gloves
- Safety goggles
- Protective clothing
- Rubber boots
- Applicable Material Safety Data Sheets (MSDS)

## **For Supplemental Information Needed on Hazards and Reactions**

Call Chemtrek at 1-800-424-9300. They are an information contact only; do not call them merely to report a spill. (Example: if a truck carrying herbicides crashes and ignites, field crews may want to know if any special hazards exist from herbicide fumes – Chemtrek is the appropriate company to call.)

**IF THE SPRAYING CREW CALLS IN A HERBICIDE SPILL, COMPLETE THE FORM ON THE NEXT 2 PAGES.**

## Complete This Form If the Herbicide Spraying Crew Calls in a Spill

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Describe Injuries:

Number of People Contaminated:

Whom they work for:

Name of Herbicide Released:

Date of Spill/Contamination:

Time of Herbicide Release:

Time Release Reported:

Location (State, County, Specific Location):

Estimate of Quantity Released (in gallons):

Name of Affected Water Course(s):

Rate of Mix of Chemical Released:

What Equipment was Involved in Release:

Employee Taking Call and Recording this Information: