

STATE OF UTAH DIVISION OF WILDLIFE RESOURCES ADMINISTRATION	NO. W2ADM-3	NO. PAGES: 2
	EFFECTIVE DATE: DRAFT	
	APPROVED:	
SUBJECT: DISINFECTION OF NON-HATCHERY EQUIPMENT ENTERING DIVISION FISH CULTURE FACILITIES		
DISTRIBUTION: ALL DIVISION EMPLOYEES		

I. PURPOSE

The purpose of this procedure is to prohibit the introduction of disease and unwanted organisms into Division fish culture facilities (hatcheries). These include: viruses, fungi, parasites and bacterial pathogens, as well as invasive non-native plants, mollusks, and invertebrates. Whirling Disease and aquatic or terrestrial nuisance species are now distributed throughout the state of Utah. When these organisms are introduced into a hatchery, the facility will be shut down and trout production may end indefinitely.

II. Policy

To ensure the protection of state fish production facilities (hatcheries), the Division must require that all equipment entering fish production areas of a fish hatchery be free of dirt, mud and organic material that may harbor disease and/or Aquatic Nuisance Species and are disinfected.

III. DEFINITIONS

- A. **“Equipment”** means any vehicle including heavy equipment and off-highway vehicles, buckets, nets, coolers, seines, etc.
- B. **“5,000-ppm solution of chlorine”** means a solution of 360 milliliters of household bleach (active ingredients 5.25% sodium hypochlorite) per one gallon of water.
- C. **“Production Areas”** means areas of the fish hatchery where eggs and fish are incubated, hatched and reared. Areas are further defined as rearing and incubation areas within a building, fenced or covered areas outside that supply/distribute water, rear, or process fish.

IV. PROCEDURE

Division employees not from the hatchery, other agencies' employees and construction company field supervisors shall notify the Hatchery Supervisor before any equipment is brought into a hatchery's production area. The Hatchery Supervisor shall inspect all equipment before it is allowed to enter the facility. The Hatchery Supervisor or designee must inspect equipment each time it enters the facility.

All equipment shall be cleaned and disinfected before being brought into the hatchery's production areas. Anyone bringing equipment onto a Division fish culture facility must follow the steps listed below:

1. Equipment must be cleaned with a hot water pressure washer (minimum temperature of 120 degrees F.) to remove all dirt, mud and organic material.
2. Following cleaning, the equipment must be disinfected with a 5,000-ppm solution of chlorine for a minimum of 15 minutes. The solution must be sprayed onto the entire vehicle/heavy equipment, paying particular attention to the underside, tires and wheels. The solution shall be thoroughly rinsed off the vehicle/equipment with water from a culinary source.
3. Heavy construction equipment that is removed from a hatchery does NOT need to be washed upon return if:
 - a. It has gone directly to a landfill and is returning to the hatchery job site; or
 - b. It has NOT gotten muddy or come in contact with a waterway.
4. Equipment that is removed from a hatchery and becomes muddy, must be disinfected again according to the standard described in Section III (1) and (2).
5. All small equipment: buckets, boots, waders, raingear, nets, seines, etc. must first be washed and then disinfected as described below.
 - a. Wash with water that is a minimum 120 degrees F. to remove all mud, dirt and organic material.
 - b. Spray item with a 5,000-ppm chlorine solution, paying particular attention to areas that could hold dirt or mud. After being in contact with chlorine solution for a minimum of 15 minutes, items shall be thoroughly rinsed with culinary water. Items must then be allowed to air-dry for 12 hours.

V. REVIEW DATE

This procedure shall be reviewed on or before _____