

## Various Fish Species (From Other Facilities) HACCP Plan (Hazard Analysis Critical Control Point)

1. Activity Description
2. Potential Hazards
3. Flow Diagram
4. Hard Analysis Worksheet
5. HACCP Plan Form

### 1) Activity Description

<b>Facility:</b> Warm Springs National Fish Hatchery	<b>Site:</b> Warm Springs National Fish Hatchery
<b>Project Coordinator:</b> Carlos Echevarria	<b>Activity:</b> Obtaining various fish species from other facilities
<b>Site Manager:</b> Carlos Echevarria	
<b>Address:</b> 5308 Spring Street Warm Springs, GA 31830	
<b>Phone:</b> (706) 655-3382	

#### Project Description

i.e. Who; What; Where; How; Why

Various fish species are obtained from other facilities for outreach work, displays, kids fishing day, and fish culture

### 2) Identify Potential Hazards

#### Hazards: Species which may potentially be moved/introduced

<b>Vertebrates:</b> None
<b>Invertebrates:</b> None
<b>Plants:</b> None
<b>Other Biologics:</b> bacteria, parasites, protozoans, fungus
<b>Others:</b> None

### 3) Flow Diagram

<b>Step 1</b>	Various fish species arrive in hauling tanks from another facility
<b>Step 2</b>	Fish are dip-netted from hauling tanks into raceways in holding house
<b>Step 3</b>	Implements utilized in fish transfer from hauling tank to holding tank disinfected with 600ppm Roccal for 30 minutes
<b>Step 4</b>	Animals held in flow through raceways for at least 72 hours prior to transfer to other holding areas such as ponds
<b>Step 5</b>	Animals therapeutically treated for 3 consecutive days
<b>Step 6</b>	Animals inspected by Fish Health Center personnel, pending results, approved for movement to other holding areas
<b>Step 7</b>	"Clean" animals moved to WSNFH ponds or other holding areas
<b>Step 8</b>	Holding house disinfected with 300ppm chlorine solution: contact time 30 minutes

#### 4) Hazard Analysis Worksheet

(1) Harvest or Aquaculture Step	(2) Identify potential ANS hazards introduced or controlled at this step (1)	(3) Are any potential ANS hazards significant? (Yes/No)	(4) Justify your decisions for column 3	(5) What control measures can be applied to prevent the significant hazards	(6) Is this step a critical control point? (Yes/No)
(1) Various fish species arrive in hauling tanks from another facility	Fish/other vert: various	Yes	Verts may accidentally be placed in hauling tanks	Visually inspect hauling tanks and remove unwanted verts	No
	Invertebrates: various	Yes	Inverts may accidentally be placed in hauling tanks	Visually inspect hauling tanks and remove unwanted inverts	No
	Plants: various	Yes	Plant material may accidentally be placed in hauling tanks	Visually inspect hauling tanks and remove unwanted plant material	No
	Other biologics: bacteria, parasites, protozoans, fungus	Yes	Fish or transport water may harbor ANS biologics	Dip-net fish from tanks to minimize water transfer	No
(2) Fish are dip-netted from hauling tanks into raceways in holding house	Fish/other vert: none	No	Reduced to acceptable risk in Step 1	NA	No
	Invertebrates: none	No	Reduced to acceptable risk in Step 1	NA	No
	Plants: none	No	Reduced to acceptable risk in Step 1	NA	No
	Other biologics: bacteria, parasites, protozoans, fungus	Yes	Fish or transport water may harbor ANS biologics	Dip-net fish from tanks to minimize water transfer	No
(3) Implements utilized in fish transfer from hauling tank to holding tank disinfected with 600ppm Roccal for 30 minutes	Fish/other vert: none	No	Reduced to acceptable risk in Step 1	NA	No
	Invertebrates: none	No	Reduced to acceptable risk in Step 1	NA	No
	Plants: none	No	Reduced to acceptable risk in Step 1	NA	No
	Other biologics: bacteria, parasites, protozoans, fungus	Yes	Fish or transport water may harbor ANS biologics	Disinfect implements in 600ppm Roccal for 30 minutes	No
(4) Animals held in flow through raceways for at least 72 hours prior to transfer to other holding areas such as ponds	Fish/other vert: none	No	Reduced to acceptable risk in Step 1	NA	No
	Invertebrates: none	No	Reduced to acceptable risk in Step 1	NA	No
	Plants: none	No	Reduced to acceptable risk in Step 1	NA	No
	Other biologics: bacteria, parasites, protozoans, fungus	Yes	Fish or transport water may harbor ANS biologics	Disinfect implements in 600ppm Roccal for 30 minutes	No
(5) Animals therapeutically treated for 3 consecutive days	Fish/other vert: none	No	Reduced to acceptable risk in Step 1	NA	No
	Invertebrates: none	No	Reduced to acceptable risk in Step 1	NA	No
	Plants: none	No	Reduced to acceptable risk in Step 1	NA	No
	Other biologics: bacteria, parasites, protozoans, fungus	Yes	Fish or transport water may harbor ANS biologics	Therapeutically treat animals	Yes
(6) Animals inspected by Fish Health Center personnel, pending results, approved for movement to other holding areas	Fish/other vert: none	No	Reduced to acceptable risk in Step 1	NA	No
	Invertebrates: none	No	Reduced to acceptable risk in Step 1	NA	No
	Plants: none	No	Reduced to acceptable risk in Step 1	NA	No
	Other biologics: bacteria, parasites, protozoans, fungus	Yes	Fish or transport water may harbor ANS biologics	Diagnostic evaluation by Fish Health Center personnel	Yes

#### 4) Hazard Analysis Worksheet cont'd

(7) "Clean" animals moved to WSNFH ponds or other holding areas	Fish/other vert: none	No	Reduced to acceptable risk in Step 1	NA	No
	Invertebrates: none	No	Reduced to acceptable risk in Step 1	NA	No
	Plants: none	No	Reduced to acceptable risk in Step 1	NA	No
	Other biologics: none	No	Reduced to an acceptable level in step 6	NA	No
(8) Holding house disinfected with 300ppm chlorine solution: contact time 30 minutes	Fish/other vert: none	No	Reduced to acceptable risk in Step 1	NA	No
	Invertebrates: none	No	Reduced to acceptable risk in Step 1	NA	No
	Plants: none	No	Reduced to acceptable risk in Step 1	NA	No
	Other biologics: bacteria, parasites, protozoans, fungus	Yes	Precautionary step to disinfect system before new animals arrive	Quarantine building disinfected with 300ppm chlorine solution	No

**5) ANS-HACCP Plan Form**

(1) Critical Control Point (CCP)	(2) Significant Hazard(s)	(3) Limits for each Control Measure	Monitoring				(8) Evaluation and Corrective Action(s) (if needed)	(9) Supporting Documentation (if any)
			(4) What	(5) How	(6) Frequency	(7) Who		
(5) Animals therapeutically treated for 3 consecutive days	Other biologics: bacteria, parasites, protozoans, fungus	Animals therapeutically treated for 3 consecutive days with agents such as salt and formalin	Time	Days, Fish Health inspections	Upon arrival, prior to movement	Hatchery employee, Fish Health personnel	Prophylactic and therapeutic treatment of diseases, increase quarantine time	Pond records
(6) Animals inspected by Fish Health Center personnel, pending results, approved for movement to other holding areas	Other biologics: bacteria, parasites, protozoans, fungus	Diagnostic evaluation by Fish Health Center personnel	bacteria, parasites, protozoans, fungus	Fish Health diagnostics	Upon arrival, prior to movement	Fish Health Center personnel	Therapeutic treatment of disease	Pond records
<b>Facility:</b> Warm Springs National Fish Hatchery				<b>Activity:</b> Various fish species obtained from other facilities				
<b>Address:</b> 5308 Spring Street Warm Springs, GA 31830								
<b>Signature:</b>				<b>Date:</b>				
<b>HACCP Plan Was Followed</b>								