

### HACCP Step 1 – Activity Description

<b>Activity Description</b>	
Facility: Iron River National Fish Hatchery	Site: Iron River National Fish Hatchery
Project Coordinator: Kurt Schilling	Activity:  Receiving eggs from other stations.
Site Manager: Dale Bast	
Address: 10325 Fairview Rd Iron River, WI 54847	
Phone: 715-372-8510	

<b>Project Description</b> i.e. Who; What; Where; When; How; Why
<p>Iron River NFH annually receives eyed egg shipments from other stations to supplement their production fish for Great Lakes restoration.</p>

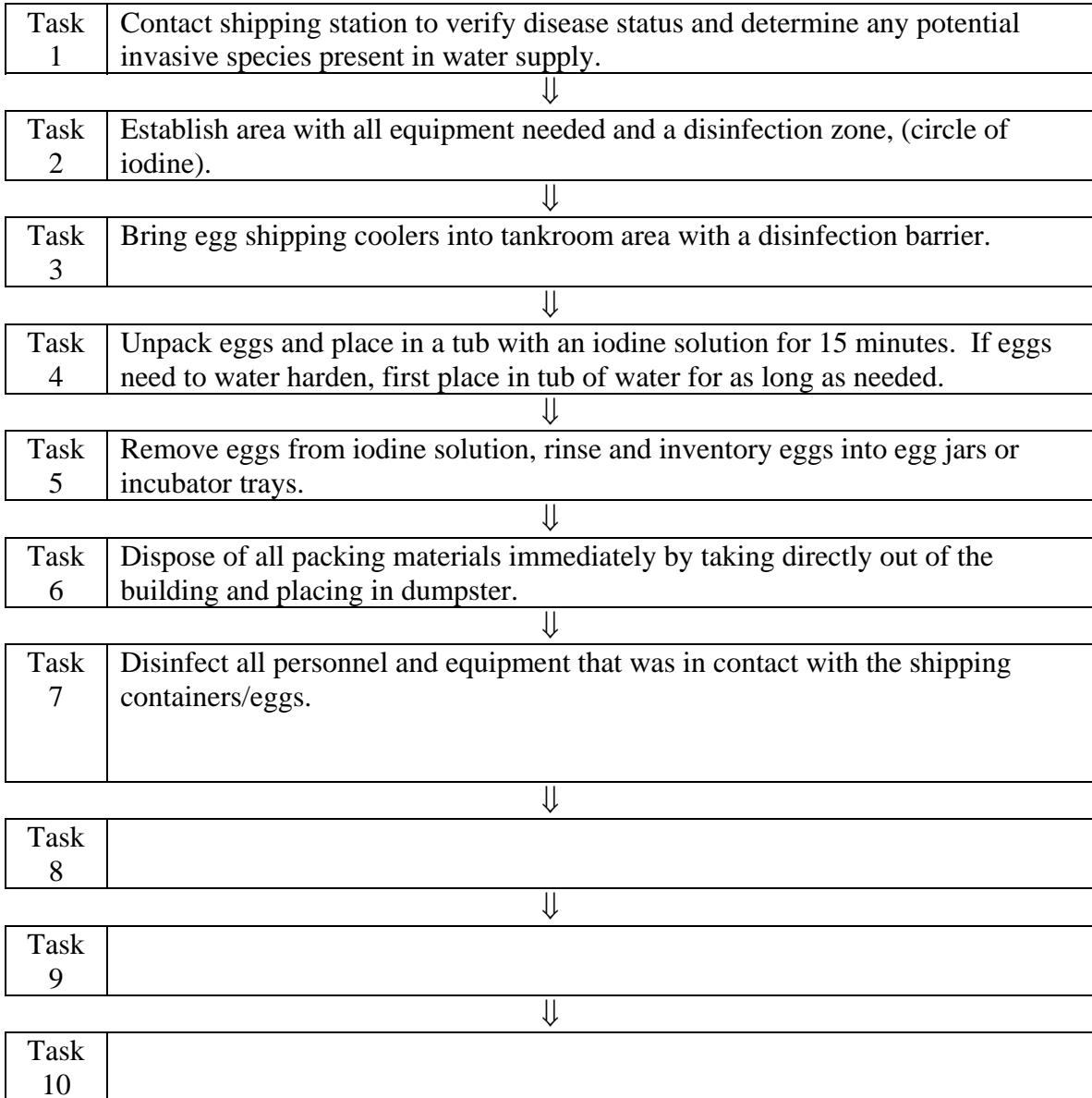
## HACCP Step 2 – Identify Potential Hazards

(to be transferred to column 2 of HACCP Step 4 – Hazard Analysis Worksheet)

<b>Hazards: Species Which May Potentially Be Moved/Introduced</b>
Vertebrates: Generally none present; will contact shipping station to verify.
Invertebrates: Generally none present; will contact shipping station to verify.
Plants: Generally none present; will contact shipping station to verify.
Other Biologics (e.g. disease, pathogen, parasite): Includes all fish diseases, pathogens and parasites that may potentially be in the shipping station's water supply.
Others (e.g. construction materials, etc.):

### HACCP Step 3 – Flow Diagram

Flow Diagram Outlining Sequential Tasks to Complete Activity/Project  
Described in HACCP Step 1 – Activity Description  
(to be transferred to column 1 of the HACCP Step 4 – Hazard Analysis Worksheet)



### HACCP Step 4 - Hazard Analysis Worksheet

1 Tasks (from HACCP Step 3 - Flow Diagram)	2 Potential hazards identified in HACCP Step 2	3 Are any potential hazards probable? (yes/no)	4 Justify evaluation for column 3	5 What control measures can be applied to prevent undesirable results?	6 Is this task a critical control point? (yes/no)
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Task 1 Contact shipping station to verify disease status and determine any potential invasive species present in water supply.	Vertebrates	Yes	Diseases or invasive species could possibly be present in water supply.	Before shipment, verify the station shipping is certified disease and invasive species free.	Yes
	Invertebrates	Yes			
	Plants	Yes			
	Others	Yes			

Task 2 Establish area with all equipment needed and a disinfection zone, (circle of iodine).	Vertebrates	No			No
	Invertebrates	No			
	Plants	No			
	Others	No			

Task 3 Bring egg shipping coolers into tankroom area with a disinfection barrier.	Vertebrates	Yes	Diseases or invasive species could possibly be present in water supply.	Before shipment, verify the station shipping is certified disease and invasive species free.	Yes
	Invertebrates	Yes			
	Plants	Yes			
	Others	Yes			

### HACCP Step 4 - Hazard Analysis Worksheet

1 Tasks (from HACCP Step 3 - Flow Diagram)	2 Potential hazards identified in HACCP Step 2	3 Are any potential hazards probable? (yes/no)	4 Justify evaluation for column 3	5 What control measures can be applied to prevent undesirable results?	6 Is this task a critical control point? (yes/no)
Task 4 Unpack eggs and place in a tub with an iodine solution for 15 minutes. If eggs need to water harden, first place in tub of water for as long as needed.	Vertebrates	Yes	Diseases or invasive species could possibly be present in water supply.	Eggs are disinfected with 100 ppm for 10 minutes in iodine solution	Yes
	Invertebrates	Yes			
	Plants	Yes			
	Others	Yes			
Task 5 Remove eggs from iodine solution, rinse and inventory eggs into egg jars or incubator trays.	Vertebrates	No			No
	Invertebrates	No			
	Plants	No			
	Others	No			

### Hazard Analysis Worksheet (continued)

1 Tasks (from HACCP Step 3 - Flow Diagram)	2 Potential hazards identified in HACCP Step 2	3 Are any potential hazards probable? (yes/no)	4 Justify evaluation for column 3	5 What control measures can be applied to prevent undesirable results?	6 Is this task a critical control point? (yes/no)
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Task 6 Dispose of all packing materials immediately by taking directly out of the building and placing in dumpster.	Vertebrates	Yes	Possible transmission of disease or invasive species from the containers/packing materials.	All materials must be disposed of immediately outside of the facility.	Yes
	Invertebrates	Yes			
	Plants	Yes			
	Others	Yes			

Task 7 Disinfect all personnel and equipment that was in contact with the shipping containers/eggs.	Vertebrates	Yes	Possible transmission of disease from the containers/packing materials.	Disinfection with Sanaqua (290 ppm) for 10 minutes or iodine (100ppm) for 10 minutes will prevent transmission of diseases or invasive species.	Yes
	Invertebrates	Yes			
	Plants	Yes			
	Others	Yes			



