

HACCP Step 1 – Activity Description

Activity Description	
Facility: Tonto Creek Hatchery	Site:
Project Coordinator: Roger Sorensen	Activity/Management Objective: Control of non-target species that may use various equipment as a pathway to hatchery
Site Manager: John Diehl	
Address: HC2 Box 961 Payson, AZ 8541-9556	
Phone: 928-478-4200	

Project Description i.e. Who; What; Where; When; How; Why
<p>Who: Tonto Creek Hatchery, Arizona Game and Fish Department. Specific equipment is construction (rented or owned); distribution equipment (POD and other); Department visitors (Fish Health, water Quality, Hatchery Program Manager)</p> <p>What: All agency personnel and associated equipment may have potential to be a pathway for non-resident (hazardous) biological organisms. This is a plan to control the ingress/egress of these potential problems.</p> <p>Where: At originating facility. The non-targets that may originate at the facility are not considered as invasive.</p> <p>When: Before POD equipment leaves the facility and before equipment enters the facility.</p> <p>How: Inspect, clean, and potentially disinfect equipment as needed to ensure non target organisms do not enter or leave hatchery property.</p> <p>Why: Reduce, eliminate, prevent introduction or export of hazards any time equipment is brought to hatchery from an area of potential hazards.</p>

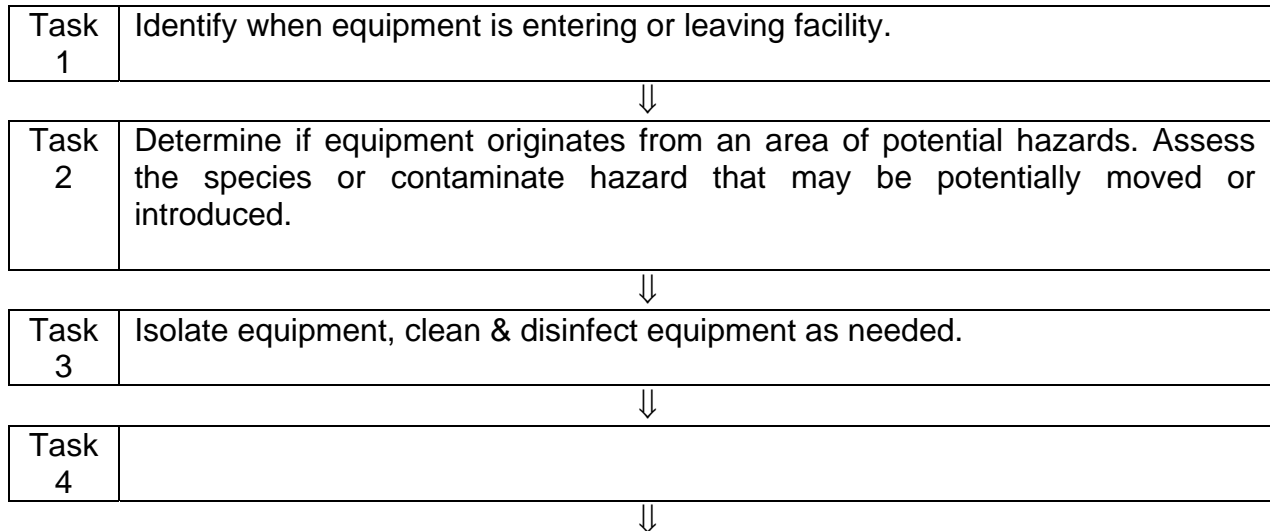
HACCP Step 2 – Identify Potential Hazards

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

Hazards: Species or Contaminants Which May Potentially Be Moved/Introduced
Vertebrates: Amphibians are a possibility all though remote.
Invertebrates: Miscellaneous aquatic invertebrates are possible but not considered to be severe or significant.
Plants: Terrestrial
Other Biologics (e.g. genetics, disease, pathogen, parasite, or non-pathogens): Restricted fish pathogens (R12-4-410) and those not present at the facility
Others (non-biological contaminants e.g. pesticide residue, oil products, etc. or harborage via packing or construction materials, etc.): None

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 significant? (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 Identify when equipment is entering or leaving facility.	Vertebrates Amphibians	No	They are not considered to be a significant threat.	All equipment entering the property are restricted to entry parking	No
	Invertebrates: Miscellaneous aquatic invertebrates	No	They are not considered to be a significant threat.	All equipment entering the property are restricted to entry parking until operator has discussed potential for being a pathway has been discussed and determined	No
	Plants Terrestrial	No	They are not considered to be a significant threat.	All equipment entering the property are restricted to entry parking until operator has discussed potential for being a pathway has been discussed and determined	No
	Other Biologics Restricted fish pathogens (R12-4-410) and those not present at the facility	No	The is an absence of restricted fish pathogens in Arizona	NA	No
	Others None	NA	NA	NA	NA

<p>Task 2 Determine if equipment originates from an area of potential hazards. Assess the species or contaminate hazard that may be potentially moved or introduced.</p>	Vertebrates Amphibians	Yes	Pathway exists for non target species although remote to enter the facility. No pathway exists for non-targets to leave the property.	Communication with operator to determine potential for equipment being a pathway; visual inspection.	No
	Invertebrates: Miscellaneous aquatic invertebrates	No	Pathway exists for non target species to enter the facility. There are no significant non-targets endemic to the facility.	Communication with operator to determine potential for equipment being a pathway; visual inspection.	No
	Plants Terrestrial	NA	Pathway exists for non target species with public vehicles but control is limited and risk is not considered significant.	Communication with operator to determine potential for equipment being a pathway; visual inspection.	No
	Other Biologics Restricted fish pathogens (R12-4-410) and those not present at the facility	Yes	Pathway exists for non target species from equipment that has been used form fish transportation or in aquatic habitats.	Communication with operator to determine potential for equipment being a pathway; visual inspection.	No
	Others None	NA	NA	NA	NA

HACCP Step 4 – 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 significant? (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 # 3 Isolate equipment, clean & disinfect equipment as needed.	Vertebrates Amphibians	No	This biological group does not impact production at facility and would not leave the station with fish distribution because of HACCP Plan for distribution	Equipment is cleaned prior to leaving the hatchery facility and all imported equipment is inspected at property entry prior to being allowed into complex.	Yes
	Invertebrates: Miscellaneous aquatic invertebrates	No	This biological group does not impact production at facility and would not leave the station with fish distribution because of HACCP Plan for distribution	Equipment is cleaned prior to leaving the hatchery facility and all imported equipment is inspected at property entry prior to being allowed into complex.	Yes
	Plants Terrestrial	No	This biological group does not impact production at facility and would not leave the station with fish distribution because of HACCP Plan for distribution		Yes
	Other Biologics Restricted fish pathogens (R12-4-410) and those not present at the facility	Possible			Yes
	Others None	NA	NA	NA	NA

Task #	Vertebrates				
	Invertebrates				
	Plants				
	Other Biologics				
	Others				

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HACCP Step 5 – HACCP Plan Form