Oklahoma Department of Wildlife Conservation

Hatchery Pond Production

HACCP Step 1 – Activity Description

Activity Description		
Facility:	Byron SFH, Durant SFH, Holdenville SFH, JA Manning SFH	Site: Same
Project Coordinator:	Steven Spade	Activity: Pond Production of Fish
Site Manager:	Hatchery Managers	
Address:	RR 1, Box 535 Byron, Oklahoma 73722	
Phone:	580 474-2663	

Project Description i.e. Who; What; Where; When; How; Why
The staffs of the four hatcheries of Byron, Durant, Holdenville, and Manning produce 4-5 million fish in hatchery ponds per year. These fish are used for the stocking of private and public waters in Oklahoma as well as for fish trades with several other states. This HACCP is to cover the production of clean and healthy fish in hatchery ponds.

HACCP Step 2 – Identify Potential Hazards

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

Hazards: Species Which May Potentially Be Moved/Introduced
Vertebrates: Asian Carp, Inland silversides, White Perch, Non-target fish and amphibian species
Invertebrates: Spiny water fleas, Zebra Mussels, Asiatic Clams, Non-target invertebrates
Plants: all aquatic plant material
Other Biologics (e.g. disease, pathogen, parasite): Golden Alga, LMBV, other parasites and diseases
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

Task 1	Prepare, set, and fill hatchery ponds
⇓	
Task 2	Fertilize and treat pond with pesticides
⇓	
Task 3	Stock fish
⇓	
Task 4	Sample fish and Plankton
⇓	
Task 5	Feed fish and/or supplementally fertilize pond
⇓	
Task 6	Drain and harvest pond
⇓	
Task 7	Clean pond basins and work pond bottoms
⇓	
Task 8	
⇓	
Task 9	
⇓	
Task 10	

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 1 Prepare, set, and fill hatchery ponds	Vertebrates Inland silversides, White Perch, Non-target fish and amphibian species	Yes	Could come in from water supply	Use filter socks to trap these species, clean harvest basins if applicable.	Yes
	Invertebrates Spiny water fleas, Zebra Mussels, Asiatic Clams, Non-target invertebrates	Yes	Could come in from water supply	Filter water, Clean internal harvest basins	
	Plants all aquatic plant material	Yes	Could come in from water supply or be in pond bottoms	Filter water, work pond bottoms.	
	Others Golden Alga, LMBV, other parasites and diseases	Yes		Check source of water and if hazzard is present treat the water if applicable.	
Task 2 Fertilize and treat pond with pesticides	Vertebrates	No	not in this step		No
	Invertebrates	No	Same		
	Plants	No	Same		
	Others	No			

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 3 Stock fish	Vertebrates Asian Carp, Inland silversides, White Perch, Non-target fish and amphibian species	Yes	Could be present with fish being stocked	Check fish prior to stocking, remove hazzards and non-target species	Yes
	Invertebrates Spiny water fleas, Zebra Mussels, Asiatic Clams, Non-target invertebrates	Yes	Could be present with fish being Stocked	Check source of fish and fish prior to stocking, if suspect don't stock.	
	Plants all aquatic plant material	Yes	Same	remove plant material prior to stocking	
	Others Golden Alga, LMBV, other parasites and diseases	Yes		Sample source of fish and fish if hazzard is found quarentine until fish and hauling water is treated.	
Task 4 Sample fish and Plankton	Vertebrates Asian Carp, Inland silversides, White Perch, Non-target fish and amphibian species	Yes	Could be transfered from one pond to another in sample nets	Remove all vertebrates prior to going to the next pond	No
	Invertebrates Spiny water fleas, Zebra Mussels, Asiatic Clams, Non-target invertebrates	Yes	Could be present in sampling gear and waders	check net wor visible vertebates. shake water of sampling gear.	
	Plants all aquatic plant material	Yes	Same	Remove vegetation from sampling gear.	
	Others	No			

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 5 Feed fish and/or supplementally fertilize pond	Vertebrates	No	No risk in this step		No
	Invertebrates	No	Same		
	Plants	No	Same		
	Others	No			
Task 6 Drain and harvest pond	Vertebrates Non-target fish and amphibian species	Yes	Could be missed in previous steps	Visually inspect and remove	Yes
	Invertebrates Spiny water fleas, Zebra Mussels, Asiatic Clams, Non-target invertebrates	Yes	Same	sample, visually inspect and remove	
	Plants all aquatic plant material	Yes	Same	visually inspect and remove	
	Others Golden Alga, LMBV, other parasites and diseases	Yes		sample, inspect and treat if present prior to shiping fish.	

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 7 Clean pond basins and work pond bottoms	Vertebrates	No	not present at this stage		No
	Invertebrates	No	Same		
	Plants	No	Same		
	Others	No			
Task 8	Vertebrates				
	Invertebrates				
	Plants				
	Others				

HACCP Step 5 – HACCP Plan Form

			Monitoring					
Critical Control Point (CCP)	**Significant Hazard(s)**	**Limits for each Control Measure**	**What**	**How**	**Frequency**	**Who**	**Evaluation & Corrective Action(s) (if needed)**	**Supporting Documentation (if any)**
Task 1	Non-target fish and amphibian species, Asiatic Clams, Non-target invertebrates, all aquatic plant material,	Zero Tolerance	Presence	Visual	Once	Hatchery Manager	Filter water and treat pond	Complete pond records and follow established procedures for treatment.
Task 3	Non-target fish and amphibian species, Spiny water fleas, Non-target invertebrates, all aquatic plant material, Golden Alga	Acceptable levels as determine by destination of fish or zero tolerance.	Fish and transport water	Visually inspect and treat water	once	Hatchery Manager	removal or acceptable levels of treatment	Complete pond records and use sources for ID of non-visible species
Task 6	Non-target fish and amphibian species, Non-target invertebrates, all aquatic plant material, Golden Alga, LMBV, other parasites and diseases	Acceptable levels as determine by destination of fish or zero tolerance.	Fish and pond water	Visually inspect and sample water	once	Hatchery Manager	removal or acceptable levels of treatment	Complete pond records and use sources for ID of non-visible species

Facility: Byron SFH, Durant SFH, Holdenville SFH, JA Manning SFH	**Activity:** Pond Production of Fish
Address: RR 1, Box 535 Byron, Oklahoma 73722	
Signature: **HACCP Plan was followed.**	**Date:**

Oklahoma Department of Wildlife Conservation

Fish transport

HACCP Step 1 – Activity Description

Activity Description		
Facility:	Byron SFH	Site: ODWC Hatcheries and state waters
Project Coordinator:	Steven Spade	Activity: Fish Transport
Site Manager:	Hatchery Managers	
Address:	RR 1 Box 535 Byron, OK 73722	
Phone:	580 474-2663	

Project Description i.e. Who; What; Where; When; How; Why
This HACCP is to cover transporting of fish from state fish hatcheries to designated stocking sites as well as the transport of fish from collections sites to the hatcheries. Some fish will be picked up at other locations (for example National Fish Hatcheries) and also stocked at designated waters in Oklahoma. The purpose is to create and maintain fish populations in Oklahoma. These activities will occur throughout the year as different species are stocked at different dates.

HACCP Step 2 – Identify Potential Hazards

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

Hazards: Species Which May Potentially Be Moved/Introduced
Vertebrates: Asian Carp, Inland Silversides, White Perch, Other Fish and Amphibian Species not found at Final Destination
Invertebrates: Spiny Water Fleas, Zebra Mussels, Asiatic Clams, Non-native Crayfish
Plants: Eurasian Water Milfoil, Alligator Weed, Parrotfeather, Hydrilla, Purple loosestrife, Salvinia, Water Clover, Water Lettuce, Water Hyacinth
Other Biologics (e.g. disease, pathogen, parasite): Golden Alga, LMBV, Enteric Redmouth, Furunculosis
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

Task 1	Run truck and equipment through pre-trip checklist.
⇓	
Task 2	Water up truck.
⇓	
Task 3	Load fish into transport unit.
⇓	
Task 4	Travel to final destination.
⇓	
Task 5	Unload fish or eggs.
⇓	
Task 6	At hatchery clean and store equipment
⇓	
Task 7	
⇓	
Task 8	
⇓	
Task 9	
⇓	
Task 10	

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 1 Run truck and equipment through pre-trip checklist.	Vertebrates	No	Truck and equipment was washed and sterilized after last use.		No
	Invertebrates	No	Same		
	Plants	No	Same		
	Others	No	Same		
Task 2 Water up truck.	Vertebrates Asian Carp, Inland Silversides, White Perch, Other Fish and Amphibian Species not found at Final Destination	Yes	Source of water could contain the hazards listed.	Filter water used to fill truck or use well water.	No
	Invertebrates Spiny Water Fleas, Zebra Mussels, Asiatic Clams, Non-native Crayfish	Yes	Same	Filter water, treat water for species that could possibly go through filter material.	
	Plants Eurasian Water Milfoil, Alligator Weed, Parrotfeather, Hydrilla, Purple loosestrife, Salvinia, Water Clover, Water Lettuce, Water Hyacinth	Yes	Same	Visually inspect or filter water.	
	Others Golden Alga, LMBV, Enteric Redmouth, Furunculosis	Yes	Same	Use well water if potentially present in watershed.	

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 3 Load fish or fish eggs into transport unit.	<u>Vertebrates</u> Asian Carp, Inland Silversides, White Perch, Other Fish and Amphibian Species not found at Final Destination	Yes	Fish could be miss identified and amphibians could be accidently loaded with fish.	Visually inspect and remove.	Yes
	<u>Invertebrates</u> Spiny Water Fleas, Zebra Mussels, Asiatic Clams, Non-native Crayfish	Yes	Could be loaded with fish.	Visually inspect and remove or if tiny let water drain out of net before transferring fish to unit.	
	<u>Plants</u> Eurasian Water Milfoil, Alligator Weed, Parrotfeather, Hydrilla, Purple loosestrife, Salvinia, Water Clover, Water Lettuce, Water Hyacinth	Yes	Could be loaded with fish.	Visually inspect and remove.	
	<u>Others</u> Golden Alga, LMBV, Enteric Redmouth, Furunculosis	Yes		Check fish for diseases and let water drain from net before transferring fish to unit.	
Task 4 Travel to final destination.	<u>Vertebrates</u> Asian Carp, Inland Silversides, White Perch, Other Fish and Amphibian Species not found at Final Destination	No	No chance for contamination in this task.		No
	<u>Invertebrates</u> Spiny Water Fleas, Zebra Mussels, Asiatic Clams, Non-native Crayfish	No	Same		
	<u>Plants</u> Eurasian Water Milfoil, Alligator Weed, Parrotfeather, Hydrilla, Purple loosestrife, Salvinia, Water Clover, Water Lettuce, Water Hyacinth	No	Same		
	<u>Others</u> Golden Alga, LMBV, Enteric Redmouth, Furunculosis	No	Same		

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 5 Unload fish	<u>Vertebrates</u> Asian Carp, Inland Silversides, White Perch, Other Fish and Amphibian Species not found at Final Destination	Yes	Fish could be mis-identified and amphibians could be accidently unloaded with fish.	Visually inspect and remove.	Yes
	<u>Invertebrates</u> Spiny Water Fleas, Zebra Mussels, Asiatic Clams, Non-native Crayfish	Yes	Could be unloaded with fish.	Unload fish by net, allow water to drain from net into hauling unit before transferring to stocking site. Then dump water away from area where it will not contaminate area.	
	<u>Plants</u> Eurasian Water Milfoil, Alligator Weed, Parrotfeather, Hydrilla, Purple loosestrife, Salvinia, Water Clover, Water Lettuce, Water Hyacinth	Yes	Could be unloaded with fish.	Visually inspect and remove	
	<u>Others</u> Golden Alga, LMBV, Enteric Redmouth, Furunculosis	Yes	Could be unloaded with fish	Visually inspect and remove sick fish, obtain clean bills of health, and dump water off site.	
Task 6 At hatchery clean and store equipment	<u>Vertebrates</u>	No	Fish have been unloaded		No
	<u>Invertebrates</u>	No	Tank will be sterilized.		
	<u>Plants</u>	No	Could be unloaded with fish.		
	<u>Others</u>	No	Tank will be sterilized		

HACCP Step 5 – HACCP Plan Form

HACCP Plan Form								
			Monitoring					
Critical Control Point (CCP)	**Significant Hazard(s)**	**Limits for each Control Measure**	**What**	**How**	**Frequency**	**Who**	**Evaluation & Corrective Action(s) (if needed)**	**Supporting Documentation (if any)**
Task 3	Asian Carp, Inland Silversides, White Perch, Other Fish and Amphibian Species not found at Final Destination, Spiny Water Fleas, Zebra Mussels, Asiatic Clams, Non-native Crayfish, Eurasian Water Milfoil, Alligator Weed, Parrotfeather, Hydrilla, Purple loosestrife, Salvinia, Water Clover, Water Lettuce, Water Hyacinth, Golden Alga, LMBV, Enteric Redmouth, Furunculosis	Zero tolerance	Presence	Visual	1	Assistant hatchery manager; vehicle driver	Removal	Complete and submit pre-trip and post- trip reports
Task 5	Asian Carp, Inland Silversides, White Perch, Other Fish and Amphibian Species not found at Final Destination, Spiny Water Fleas, Zebra Mussels, Asiatic Clams, Non-native Crayfish, Eurasian Water Milfoil, Alligator Weed, Parrotfeather, Hydrilla, Purple loosestrife, Salvinia, Water Clover, Water Lettuce, Water Hyacinth, Golden Alga, LMBV, Enteric Redmouth, Furunculosis	Zero tolerance	Presence	Visually	1	Vehicle driver	Removal	Complete and submit pre-trip and post- trip reports

Facility: Byron SFH	**Activity:** Fish Transport
Address: RR 1 Box 535 Byron, OK 73722	
Signature: **HACCP Plan was followed.**	**Date:**

Oklahoma Striped Bass HACCP Plan

HACCP Step 1 – Activity Description

Activity Description		
Facility:	Byron State Fish Hatchery	Site: Zink's Dam, Arkansas River, Tulsa, OK
Project Coordinator:	Steven Spade	Activity: Collect striped bass broodstock from the Arkansas River to be used at Byron for production of Morone species.
Site Manager:	Brent Gordon	
Address:	Rt. 1 Box 535 Byron, OK 73722	
Phone:	580 474-2663	

Project Description i.e. Who; What; Where; When; How; Why
The Fisheries Division of the ODWC will collect striped bass broodstock from April 15-May 15 below Zink's Dam on the Arkansas River. An electro-fishing boat will be used to stun fish which will be netted and placed into holding tank in boat. Adult fish will be sampled to select fish that are ready to be spawned. Selected broodstock will be injected with hormone, loaded onto a hauling truck equipped with live transport tanks. Fish are transported to Byron hatchery where fish are netted from truck and placed in prepared holding tanks for spawning purposes. Broodstock are usually collected in three trips where 65-70 adults are transported to the hatchery.

HACCP Step 2 – Identify Potential Hazards

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

Hazards: Species Which May Potentially Be Moved/Introduced
Vertebrates: White Perch, Asian Carp, Hybrid Striped Bass
Invertebrates: Zebra Mussels, Asian Clams
Plants: All Aquatic Plant Material
Other Biologics (e.g. disease, pathogen, parasite): Largemouth Bass Virus
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

Task 1	Prepare and sterilize hatchery and management equipment.
⇓	
Task 2	Fill distribution tank with well water.
⇓	
Task 3	Set up pumps, holding tanks, staging equipment near boat landing and fish collection site.
⇓	
Task 4	Capture striped bass broodstock and place in boat holding tank.
⇓	
Task 5	Transfer fish by net from boat to staging holding tank that has been filled with river water via portable pump.
⇓	
Task 6	Stage and tag fish, inject with hormone, transfer by net to distribution tank after rising fish with well water from truck.
⇓	
Task 7	Transport fish to Byron, unload fish from hauling tanks and transfer to fish house tanks by net.
⇓	
Task 8	Drain water from distribution tank on ground away from ponds and waterways.
⇓	
Task 9	Clean and sterilize hatchery and management equipment prior to next use.
⇓	
Task 10	

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 1 Prepare and sterilize hatchery and management equipment.	Vertebrates	No	No hazard		No
	Invertebrates Zebra Mussels	Yes	Can be within equipment.	Follow set protocol for sterilization procedures.	
	Plants All Aquatic Plant Material	Yes	Can be attached to equipment	Visually inspect and remove.	
	Others Largemouth Bass Virus	Yes		Sterilization protocol.	
Task 2 Fill distribution tank with well water.	Vertebrates	No	No hazard		No
	Invertebrates	No	No hazard		
	Plants	No	No hazard		
	Others	No			

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 3 Set up pumps, holding tanks, staging equipment near boat landing and fish collection site.	Vertebrates	No	No hazard		No
	Invertebrates	No	No hazard		
	Plants	No	No hazard		
	Others	No			
Task 4 Capture striped bass broodstock and place in boat holding tank.	Vertebrates White Perch, Asian Carp, Hybrid Striped Bass	Yes	Captured fish can be misidentified.	Id and remove hazards.	No
	Invertebrates Zebra Mussels, Asian Clams	Yes	Can be in water in net.	Drain water from net prior to placing fish in holding tank.	
	Plants All Aquatic Plant Material	Yes	Can be dipped with fish.	Remove seen plant material.	
	Others	No			

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 5 Transfer fish by net from boat to staging holding tank that has been filled with river water via portable pump.	Vertebrates White Perch, Asian Carp, Hybrid Striped Bass	Yes	Captured fish can be misidentified.	ID fish and remove unwanted fish.	No
	Invertebrates Zebra Mussels, Asian Clams	Yes	Can be in water in net.	Drain water from net prior to transfering fish.	
	Plants All Aquatic Plant Material	Yes	Can be dipped with fish.	Visually inspect and remove.	
	Others Largemouth Bass Virus	Yes		Remove all bass.	
Task 6 Stage and tag fish, inject with hormone, transfer by net to distribution tank after rising fish with well water from truck.	Vertebrates White Perch, Asian Carp, Hybrid Striped Bass	Yes	Captured fish can be misidentified.	Visually ID and remove unwanted fish.	Yes
	Invertebrates Zebra Mussels, Asian Clams	Yes	Can be in water in net.	Drain water from nets before transferring fish.	
	Plants All Aquatic Plant Material	Yes	Can be dipped with fish.	Inspect and remove.	
	Others Largemouth Bass Virus	Yes		Drain water from nets	

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 7 Transport to Byron, unload fish from hauling tanks and transfer to fish house tanks by net.	Vertebrates	No	Hazard has been removed.		Yes
	Invertebrates Zebra Mussels, Asian Clams	Yes	Can be in water in tank or net.	Drain water from net prior to transferring fish.	
	Plants All Aquatic Plant Material	Yes	Can be dipped with fish.	Inspect and remove.	
	Others Largemouth Bass Virus	Yes		Drain water from net.	
Task 8 Drain water from distribution tank on ground away from ponds and waterways.	Vertebrates	No	Hazard has been removed.		Yes
	Invertebrates Zebra Mussels, Asian Clams	Yes	Can be in water in tank.	Drain water away from ponds and waterway.	
	Plants	No	Hazard has been removed..		
	Others Largemouth Bass Virus	Yes		same	

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 9 Clean and sterilize hatchery and management equipment prior to next use.	Vertebrates	No	Hazard has been removed.		No
	Invertebrates	No	Can be in water in equipment.		
	Plants	No	Hazard has been removed..		
	Others	No			
Task 10	Vertebrates				
	Invertebrates				
	Plants				
	Others				

HACCP Step 5 – HACCP Plan Form

HACCP Plan Form								
			Monitoring					
Critical Control Point (CCP)	**Significant Hazard(s)**	**Limits for each Control Measure**	**What**	**How**	**Frequency**	**Who**	**Evaluation & Corrective Action(s) (if needed)**	**Supporting Documentation (if any)**
Task 6	White Perch, Asian Carp, Hybrid Striped Bass, Zebra Mussels, Asian Clams, All Aquatic Plant Material, Largemouth Bass Virus	Zero Tolerance	Fish and water	Visually inspect with eye and microscope.	Once during task and sample hatchery bass biannually for LMBV	Staff	Follow established protocol.	
Task 7	Zebra Mussels, Asian Clams, All Aquatic Plant Material, Largemouth Bass Virus	Zero Tolerance	Fish and water	Visually inspect with eye and microscope.	Once during task and sample hatchery bass biannually for LMBV	Staff	Follow established protocol.	
Task 8	Zebra Mussels, Asian Clams, Largemouth Bass Virus	Zero Tolerance	Fish and water	Visually inspect with eye and microscope.	Once during task and sample hatchery bass biannually for LMBV	Staff	Follow established protocol.	

Facility: Byron State Fish Hatchery	**Activity:** Collect striped bass broodstock from the Arkansas River to be used at Byron for production of Morone species.
Address: Rt. 1 Box 535 Byron, OK 73722	
Signature: **HACCP Plan was followed.**	**Date:**