Solicitation Response(SR) Dept: 0310 ID: ESR0220250000005079 Ver.: 1 Function: New Phase: Final

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Header ⊕2

General Information Contact Default Values Discount Document Information Clarification Request

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Response Time: Solicitation Description:

Addendum No. 01-O/E Hybrid Striped Bass Fry & Fingerling

Responded By User ID:
Total of Header Attachments:

kkeo@centurytel.

First Name: Total of All Attachments:

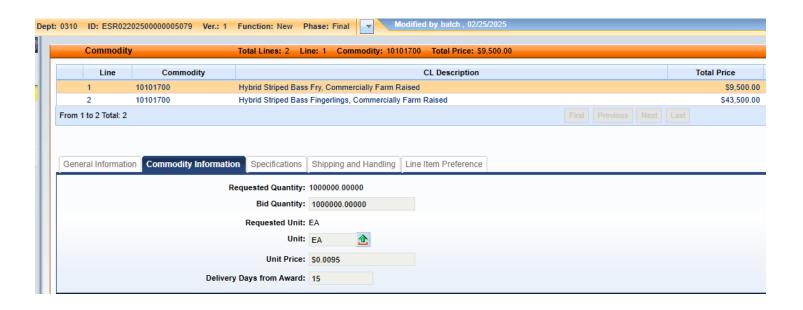
Mike 2

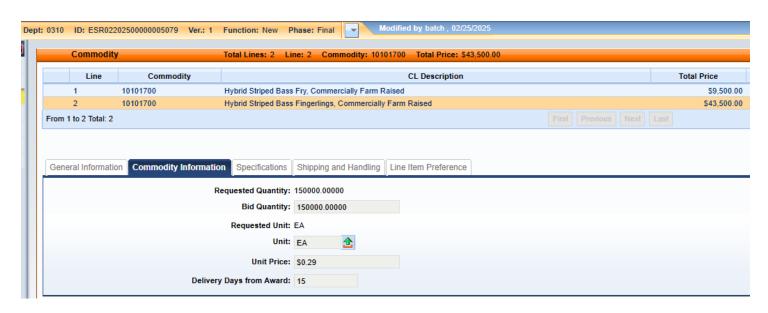
Email: mikefreeze@keofishfarms.co

Last Name: Freeze

501-590-5127

Phone:







Arkansas Department of Agriculture **Aquaculture Laboratory**

Final Fish Inspection Testing Report: 24-AQ84

1 Natural Resources Drive, Little Rock, AR 72205 Phone: 501-823-1730

Standard Report

Sampling Date: October 23, 2024

Facility Name: Keo Fish Farm, Inc.

Processing Date: October 23, 2024

Contact: Mike Freeze

Verification Date: November 15, 2024

Address: 6444 Hwy 165N, Keo, AR 72083

Inspection Report Date: November 18, 2024

Phone: (501) 842-2872

Sample Collector: Charles Dulany, DVM, Grand Prairie Veterinary Services, 319 West Madison,

Hazen, AR 72064, (870) 255-0022.

APHIS-AVIC: Melissa Clegg, DVM, USDA APHIS Veterinary Services, 1200 Cherry Brook Dr., STE

300, Little Rock, AR 72211, (501) 545-3441.

Testing performed on all fish species: VHSV, SVCV, IHNV, and IPNV on FHM and BF-2 cells; BF

and ERM on BHI agar; observation for signs of HS.

Other testing performed depending on fish species: LMBV on FHM cells (centrarchids), CCV on CCO cells (Ictalurids), ESC on BHI agar (Ictalurids), STC on BHI-blood agar (tilapia species); Key for all abbreviations on the back.

Fish species	# of samples	Size (cm)	Results from testing performed
WBXSTB	60	7.4-9.3	Specific pathogens listed were not detected or observed
STB	60	8.3-9.1	Specific pathogens listed were not detected or observed
WB	60	8.0-9.0	Specific pathogens listed were not detected or observed
BG	60	6.5-10.5	Specific pathogens listed were not detected or observed

Comments: Testing performed according to APHIS-Approved Protocols, WOAH regulations, and Bluebook standards. Keo Fish Farm has been fish health tested annually and/or semi-annually by the Arkansas Department of Agriculture (at least 150 fish per inspection) in 2024, 2023, 2022, and 2021. The fish appear healthy and in good condition with no evidence of disease.

> Nilima N. Renukdas, Ph.D., AFS/FHS Fish Health Inspector Email: nilima.renukdas@agriculture.arkansas.gov

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Arkansas Department of Agriculture Aquaculture Laboratory

Key to abbreviations

Viruses

VHSV - Viral Hemorrhagic Septicemia Virus

SVCV - Spring Viremia of Carp Virus

IHNV - Infectious Hematopoietic Necrosis Virus

IPNV - Infectious Pancreatic Necrosis Virus

CCV - Channel Catfish Virus LMBV - Largemouth bass virus

Bacteria

BF - Bacterial Furunculosis (Aeromonas salmonicida)

ERM - Enteric Redmouth (Yersinia ruckerii)

ESC - Enteric Septicemia of Catfish (Edwardsiella ictaluri)

STC - Streptococcus spp.

Parasites

HS - Heterosporosis (Heterosporis spp.)

Detection tests

FHM - Fathead minnow cells (cell line used to grow viruses - sensitive to VHSV, SVCV and IHNV from various fish species)

BF-2 - Bluegill fin -2 cells (used to grow viruses - sensitive to VHSV and IPNV from various fish species)

CCO - Channel catfish ovary cells (used to grow virus - sensitive to CCV from Ictalurid species)

BHI – Brain heart Infusion agar (used to grow bacteria that cause – BF, ERM and ESC from various fish species). BHI with blood (used to grow STC from Tilapia species)

Fish species

GS	Golden shiner	Notemigonus crysoleucas	LMB	largemouth bass	Micropterus salmoides
FHM	fathead minnow	Pimephales promelas	SMB	smallmouth bass	Micropterus dolomieu
GF	goldfish	Carassius auratus	YP	yellow perch	Perca flavescens
Koi or CAP	koi/common carp	Cyprinus carpio	WE	Walleye	Sander vitreus
GC	grass carp	Ctenopharyngodon idella	CCF	Channel catfish	Ictalurus punctatus
BG	bluegill	Lepomis macrochirus	CCFxBCF	hybrid catfish	Ictalurus punctatus x Ictalurus furcatus
RE	redear	Lepomis microlophus	BRB	Brown bullhead	Ameiurus nebulosus
RExBG	hybrid redear	Lepomis microlophus x Lepomis macrochirus	STB	striped bass	Morone saxatilis
GRS	green sunfish	Lepomis cyanellus	WB	white bass	Morone chrysops
BGxGRS	hybrid bluegill	Lepomis macrochirus x Lepomis cyanellus	WBxSTB	Hybrid striped bass	Morone chrysops x Morone saxatilis
PSS	Pumpkin seed sunfish	Lepomis gibbosus	TIL	Tilapia	Oreochromis spp.
BC	black crappie	Pomoxis nigromaculatus	PFE	Paddle fish eggs	Polydon spathula
wc	white crappie	Pomoxis annularis	GAM	Gambusia	Gambusia affinis
BCxWC	hybrid crappie	Pomoxis nigromaculatus x Pomoxis annularis	ES	Emerald shiner	Notropis atherinoides
ESM	Eastern Silvery Minnow	Hybognathus regius			

End of the report

ARKANSAS DEPARTMENT OF AGRICULTURE



1 Natural Resources Drive, Little Rock, AR 72205 agriculture.arkansas.gov (501) 225-1598



ANS Inspection Report

January 17, 2025

Sample Source: Keo Fish Farms

PO Box 166 Keo, AR 72083

Sample Description: Movements of fish and water within Keo Fish Farms are such that the probability of an ANS species introduction is similar for all ponds. For this inspection, we randomly selected ponds on the farm. The entire farm will be tested in rotation during the future inspections.

Inspection Performed: Hard surfaces and pond margins were examined for the presence of zebra mussel (*Dreissena polymorpha*), quagga mussel (*Dreissena rostriformis bugensis*), Conrad's false mussel (*Mytilopsis leucophaeata*), and the New Zealand mud snail (*Potamopyrgus antipodarum*).

Results: No zebra mussels, quagga mussels, Conrad's false mussel or New Zealand mud snails were detected.

Summary: On the farm as inspected, Keo Fish Farms is free of zebra mussel, quagga mussel, Conrad's false mussel, and the New Zealand mud snail. Keo Fish Farms cultures fish only in levee type ponds using well water and, to the best of our knowledge, does not import fish or water from potentially infested sources.

Additional Background: Zebra mussels are present in the Arkansas River system but have never been detected on an Arkansas fish farm. Summer temperatures in Arkansas commercial culture ponds exceed, for several months, the maximum temperature survived by zebra mussels. Quagga mussels have not been found in the Arkansas River system and have never been detected on an Arkansas fish farm. New Zealand mud snails and Conrad's false mussels have not been found in Arkansas waters. Summer temperatures in Arkansas commercial culture ponds exceed, for several months, the maximum temperature survived by New Zealand mud snails.

Inspected by:





ZAC WELLMAN

AQUACULTURE CERTIFICATION MANAGER

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