

2020-REE-1901-F

From: (b)(6)
To: (b)(6)
Subject: pump failure
Date: Wednesday, February 20, 2019 1:41:00 PM

Hey (b)(6)

On Sunday, February 17th, 2019 at approximately 10:20 PM, a booster pump that supplies reuse water to th (b)(6) shut off for unknown reasons. Despite animal caretakers responding within 20 minutes of the call-back alarm and immediately re-starting the booster pump, a total of 10 fish died, presumably due to a low dissolved oxygen level in the static water. These 10 fish were from two 3.8 cubic meter tanks, with each tank housing 375 fish (750 fish total). To my knowledge, stocking density, water quality, and feeding parameters for these tanks were within normal ranges per the NCCCWA SOPs. Both tanks were being supplemented with compressed air, but not pure oxygen, at the time of the pump failure.

The two booster pumps (only 1 is operated at a time) have a history of being sensitive to commercial power issues, and often require manual re-starts after power has been restored. I have discussed this issue with (b)(6) and (b)(6).

(b)(5) - Deliberative
(b)(5) - Deliberative

Please let me know if you have any questions or need more information.

Regards,

(b)(6)

(b)(6)

USDA, Agricultural Research Service
National Center for Cool and Cold Water Aquaculture
11861 Leetown Road
Kearneysville, WV 25430

(b)(6)

304-725-0351 (fax)

(b)(6)@ars.usda.gov

Get more information: www.ars.usda.gov



United States Department of Agriculture

Research, Education and Economics
Agricultural Research Service

February 21, 2019

To: NCCCWA IACUC Members and Institutional Official

From (b)(6)

Regarding: Adverse Event, February 17, 2019

Description of Event and Fish Loss

On Sunday February 17th, 2019 at approximately 10:20 PM, a booster pump that supplies reuse water to the (b)(6) shut off for unknown reasons (potentially a commercial power blip). Despite anim ding within 20 minutes of the call-back alarm and immediately re-starting the booster pump, a total of 10 fish died, presumably due to a low dissolved oxygen level in the static water. These 10 fish were from two 3.8 cubic meter tanks, with each tank housing 375 fish (750 fish total). To my knowledge, stocking density, water quality, and feeding parameters for these tanks were within normal ranges per the NCCCWA SOPs. Both tanks were being supplemented with compressed air, but not pure oxygen, at the time of the pump failure.

Response

The two booster pumps (only 1 is operated at a time) have a history of being sensitive to commercial power issues, and often require manual re-starts after power has been restored. I have discussed this issue with (b)(6) and (b)(6) and (b)(5) - Deliberative

(b)(5) - Deliberative

From: (b)(6)
To: (b)(6)
Subject: adverse event
Date: Monday, December 2, 2019 1:12:00 PM

He (b)(6)

As you are aware we had a pump failure last night in the BSB, below is a description of the event. Please modify as you see fit and let me know if you need more information.

'On Sunday, December 1st, 2019 at approximately 7:51 PM, we received an alarm from the (b)(6) use water callback system. The first responder arrived within 30 minutes of the alarm and immediately recognized that there was no reuse water flow in the building, but was not able to get either booster pump (red pumps) started using normal procedures to resume reuse water flows. He then began to provide supplemental aeration and spring water to the affected tanks and mobilized two additional responders. Despite his immediate actions we lost a total of 64 fish among a total of 10 culture tanks. The total number of fish in the building at the time of the event was approximately 5,550. The primary issue was subsequently determined to be (b)(5) - Deliberative

(b)(5) - Deliberative

Regards,
(b)(6)

(b)(6)

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United States Department of Agriculture
Research, Education and Economics
Agricultural Research Service

December 3, 2019

To: NCCCWA IACUC Members and Institutional Official

From: (b)(6) IACUC Chair

Regarding: Adverse Event, December 1, 2019

Description of Event

On Sunday, December 1st, 2019 at approximately 7:51 PM, we received an alarm from the (b)(6) reuse water callback system. The first responder arrived within 30 minutes of the alarm and immediately recognized that there was no reuse water flow in the building, but was not able to get either booster pump (red pumps) started using normal procedures to resume reuse water flows. He then began to provide supplemental aeration and spring water to the affected tanks and mobilized two additional responders. Despite his immediate actions we lost a total of 64 fish among a total of 10 culture tanks. The total number of fish in the building at the time of the event was approximately 5,550. The primary issue

(b)(5) - Deliberative

Response

(b)(5) - Deliberative