

DEPARTMENT OF HEALTH & HUMAN SERVICES

PUBLIC HEALTH SERVICE NATIONAL INSTITUTES OF HEALTH

Office of Laboratory Animal Welfare

Office of Laboratory Animal Welfare 6700B Rockledge Drive, Suite 2500, MSC 6910 Bethesda, Maryland 20892-6910

Bethesda, Maryland 20892-6910

Home Page: http://grants.nih.gov/grants/olaw/olaw.htm

July 25, 2019

FOR EXPRESS MAIL:

Office of Laboratory Animal Welfare 6700B Rockledge Drive, Suite 2500 Bethesda, Maryland 20817 Telephone: (301) 496-7163 Facsimile: (301) 402-7065

Re: Animal Welfare Assurance A3433-01 [OLAW Case 2X]

Dr. Prasat Mohapatra
Vice Chancellor for Research
University of California, Davis
1850 Research Park Drive
Davis, California 95618

Dear Dr. Mohapatra,

The Office of Laboratory Animal Welfare (OLAW) acknowledges receipt of your July 23, 2019 letter reporting a serious deviation from the provisions of the *Guide for the Care and Use of Laboratory Animals* at the University of California- Davis, following up on an initial telephone report on July 17, 2019. According to the information provided, OLAW understands that 25 frogs died after exposure to residual bleach left in the tank following disinfection. The cleaning procedure that was used had not been reviewed by Attending Veterinarian or the Institutional Animal Care and Use Committee (IACUC).

The preventive actions consisted of now conducting additional tests for chlorine after cleaning tanks and updating standard operating procedures covering the new tank design, sanitation, and water quality testing. The facility was placed under enhanced inspection by the IACUC.

Based on its assessment of this explanation, OLAW understands that measures have been implemented to prevent recurrence of this problem. OLAW concurs with the actions taken by the IACUC to comply with the PHS Policy on Humane Care and Use of Laboratory Animals.

Sincerely,

(b) (6)

Axel Wolff, M.S., D.V.M.
Deputy Director
Office of Laboratory Animal Welfare

cc: IACUC Chair IACUC Director

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OFFICE OF RESEARCH

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TELEPHONE: 530,754,7764 RESEARCH,UCDAVIS.EDU

July 23, 2019

DEPUTY DIRECTOR AXEL WOLFF, MS, DVM

Office of Laboratory Animal Welfare National Institutes of Health RKL1, Suite 360, MSC 7982 6705 Rockledge Drive Bethesda, MD 20892-7982

Subject: Institutional Report D16-00521 (#A3433-01)
Xenopus mortality
National Eye Institute R01EY026471

Dear Dr. Wolff:

In accordance with Assurance D16-00521 (#A3433-01) and Policy IV.F.3., UC Davis is bringing the following incident and corrective action to your attention.

Following large scale tank cleanings of a newly designed tank system for Xenopus laevis frogs, unexpected mortality of Xenopus laevis frogs occurred in three tanks. A necropsy was performed by the UC Davis Comparative Pathology Laboratory on three of the frogs. The necropsy case-summary documented the following:

"Erosive dermatitis and dermal edema are mild and may be indicative of suboptimal water quality. Luminal protozoa (large ciliate) in the intestinal tract are noted in small numbers, interpreted as normal flora.

Culture of the skin and viscera produced no growth.

Pooled skin, intestinal tract and liver samples were negative for Batrachochytrium dendrobatidis, Cryptosporidium sp., Mycobacterium chelonae, M. goordonase. M Marinum. Pseudocapillaroides xenopi. Psudomonas aeruginosa, Ranavirus spp., and Salmonella spp. by PCR assay from 2 of 2 frogs."

A new tank cleaning system had been instituted but not reviewed by the IACUC or Attending Veterinarian. While not definitively conclusive, but based on water testing results and the necropsy

Deputy Director Wolff July 23, 2019 Page 2

report findings, it is likely that the mortality was caused by residual chlorine levels following the large scale tank cleaning.

In the future, additional chlorine tests will be conducted prior to returning frogs to the tanks after cleaning. The facility SOPs have been updated to include the new tank design and associated sanitation and water testing requirements geared to prevent future mortality related to water quality. Additionally, the IACUC voted for increased inspection frequency for this facility. The IACUC believes the above actions will decrease the likelihood for reoccurrence.

If you have any questions please do not hesitate to contact our IACUC Director, Donna Routley, at (b) (6)

Sincerely,

Prasant Mohapatra
Vice Chancellor for Research

/pk

c: IACUC [2019-16] AAALAC

Wolff, Axel (NIH/OD) [E]

From:

OLAW Division of Compliance Oversight (NIH/OD)

Sent:

Thursday, July 25, 2019 9:53 AM

To:

Donna Routley

Cc:

OLAW Division of Compliance Oversight (NIH/OD)

Subject:

RE: Institutional Report - D16-00521 # (A3433-01)

Thanks for this report, Donna. I'll send a response soon. Axel Wolff

From: Donna Routley dmroutley@ucdavis.edu>

Sent: Thursday, July 25, 2019 9:28 AM

To: OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>

Subject: Institutional Report - D16-00521 # (A3433-01)

Hello,

Please find the attached the signed report from UC Davis, assurance D16-00521 # (A3433-01) acknowledging the Xenopus frog mortality previously discussed with Dr. Wolf. This report been copied to AAALAC.

Please let me know if you have any questions.

Kind regards, Donna Routley

Donna Routley, RVT, RLATg, CPIA
Director, IACUC
Office of Research
University of California Davis
(b) (6) (office)
dmroutley@ucdavis.edu



Initial Report of Noncompliance

By: an

Date: 7/17/19	Time: 17:30	
Name of Person reporting: Donna Ron Telephone #: (6) (6) Fax #: Email:	they	
Name of Institution: Assurance number: A 3 4 3 3	a Davis	
Did incident involve PHS funded activity?		
What happened?		
25 frage died wa	2 cause bleach no	x revised
Species involved: Fresonnel involved: Dates and times: Animal deaths: 2		u =
	=	
Projected plan and schedule for correction/production production and schedule for correction/produc	revention (if known):	
Projected submission to OLAW of final report	rt from Institutional Official:	
×		
OFFICE USE ONLY Case #		