



Inspection Report

Jubilant Hollister-Stier (J H S)
N. 3525 Regal Street
Spokane, WA 99207

Customer ID: **1021**

Certificate: **91-R-0011**

Site: 001

JUBILANT HOLLISTER-STIER (J H S)

Type: **FOCUSED INSPECTION**

Date: **08-AUG-2017**

2.31(d)(1)(xi) CRITICAL REPEAT

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

This inspection was a focused inspection to verify correction of items previously documented as non-compliant during the previous USDA inspection on April 11 2017. The facility has not yet corrected deficiencies previously cited under 2.31 (d)(1)(xi) for euthanasia of guinea pigs with carbon dioxide gas. This is a repeat critical non-compliance.

The method of euthanasia for guinea pigs in the facility utilizes tanked carbon dioxide gas delivered to a euthanasia chamber. The chamber is a galvanized tub covered with a clear acrylic plastic lid. A pressure reducing regulator is connected to the gas tank and is used to control gas pressure from the tank to the gas supply line going to the tub enclosure. No flow meter or other monitoring device is present in the system to monitor gas flow rates into the chamber. A facility manager stated the outflow pressure of gas from the tank is set at 30 psi at the regulator. The facility written euthanasia procedure states "turn on the CO2 at 20 to 50 pounds PSI until no further animal movement is observed."

The described facility procedure for euthanasia of guinea pigs with carbon dioxide gas does not meet current standards set forth in the AVMA Guidelines for the Euthanasia of Animals: 2013 Edition. The procedure in use by the facility lacks a flow meter to accurately maintain and monitor consistent gas flow rates to the chamber during the euthanasia process. The use of a tank regulator pre-set at a specific psi is not sufficient of itself to ensure that an accurate flow rate of carbon dioxide gas is being consistently delivered to the euthanasia chamber and recommended gas displacement rates are being achieved. Without an appropriate sized flow meter in place, chamber gas displacement rates may be too high or too low. This may then lead to significant pain and distress to guinea pigs during the euthanasia process.

AVMA guidelines for carbon dioxide gas usage recommend a chamber displacement rate of 10-30% of chamber volume/minute. This displacement rate has been found to produce less pain and distress during the onset of unconsciousness than other rates.

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Overall, methods of euthanasia used must be in accordance with AVMA species guidelines and in accordance with 9 CFR part 1, unless a deviation has been previously justified in writing and approved by the IACUC.

A flow meter and appropriate methodology shall be employed to ensure that accurate carbon dioxide gas flow rates and chamber displacement rates are consistently maintained and monitored by facility personnel during the euthanasia process. In conjunction, animals need to be visually monitored by personnel throughout the euthanasia process and SOPs updated with required flow meter settings. Retraining of all employees who perform euthanasia shall also be done and documented.

Regarding deficiencies previously cited on last inspection under 2.33 (b)(2), the facility has corrected the deficiencies, Contact information for the attending veterinarian and provision of emergency, weekend and holiday veterinary care have also been posted within the animal facility.

This inspection and exit interview were conducted with the Manager of Regulatory Affairs, Director of Regulatory Affairs, QC- Microbiology Supervisor and the QC - Microbiology Manager.

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