



Inspection Report

AMOX INC

Customer ID: 40008

Certificate: 43-R-0120

ANICLIN PRECLINICAL

Site: 001

222 S. CENTRAL AVE SUITE 901

AMOX INC.

Type: ROUTINE INSPECTION

Date: Jul-15-2009

ST LOUIS, MO 63105

2.31 (c) (3)

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

IACUC Functions. With respect to activities involving animals, the IACUC, as an agent of the research facility, shall prepare reports of its evaluations conducted as required by paragraphs (c)(1) and (2) of this section, and submit the reports to the Institutional Official of the research facility...The reports shall be reviewed and signed by a majority of the IACUC members and must include any minority views....The reports must contain a description of the nature and extent of the research facility's adherence to this subchapter, must identify specifically any departures from the provisions of title 9, chapter I, subchapter A--Animal Welfare, and must state the reasons for each departure. The reports must distinguish significant deficiencies from minor deficiencies. A significant deficiency is one which, with reference to Subchapter A, and, in the judgment of the IACUC and the Institutional Official, is or may be a threat to the health or safety of the animals. If program or facility deficiencies are noted, the reports must contain a reasonable and specific plan and schedule with dates for correcting each deficiency. Any failure to adhere to the plan and schedule that results in a significant deficiency remaining uncorrected shall be reported in writing within 15 business days by the IACUC, through the Institutional Official, to APHIS and any Federal agency funding that activity.

- 1) The last 2 semi-annual reports to the IO (2/25/09 and 5/8/09) were lacking several necessary components: the report was not signed by a majority of the IACUC; minor deficiencies were stated to have been identified, however, these deficiencies were not included in the report; a plan of corrective action (including correction dates) was not included for the minor deficiencies that were identified. The semi-annual reports to the IO must be complete and include the necessary information set forth in this subpart.
- 2) A semi-annual program evaluation and facility inspection occurred on 10/24/08. However, the report was not sent to the IO until 2/25/09. The semi-annual report needs to be sent to the IO in a timely manner.

Correct for all future semi-annual reviews/inspections

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1060

Jul-15-2009

Received By:

(b)(6), (b)(7)(c)

Date:

Title:

Jul-15-2009



Inspection Report

2.36 (b)

ANNUAL REPORT.

The annual report shall:

(5) State the common names and the numbers of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. Routine procedures (e.g., injections, tattooing, blood sampling) should be reported with this group.

The number of animals on the annual report for fiscal year 2008 is inaccurate. The dogs and nonhuman primates used in research were counted multiple times (per animal use) on various protocols, as opposed to being counted as one animal. This resulted in over-reporting of animals in column C.

(6) State the common names and the numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.

The fiscal year 2008 annual report lists 24 pigs in Column C. During this inspection, facility personnel said some of these pigs were on protocol 09-AUP-127, which included a terminal procedure under anesthesia. Pigs used under this proposal should have been listed under Column D.

The annual report needs to be accurate to reflect the appropriate number of animals used and pain categories.

Correct for all future annual reports

3.80 (b)

PRIMARY ENCLOSURES.

Minimum space requirements. Primary enclosures must meet the minimum space requirements provided in this subpart. These minimum space requirements must be met even if perches, ledges, swings, or other suspended fixtures are placed in the enclosure. Low perches and ledges that do not allow the space underneath them to be comfortably occupied by the animal will be counted as part of the floor space.

There are two nonhuman primate double enclosures, each housing 3 animals, which do not meet the minimum space requirements for this species. One Group 3 nonhuman primate (weighing 3-10 kg) requires 4.3 sq ft of space. Therefore, 3 nonhuman primates in this group would require an enclosure that is at least 12.9 sq ft. However, the enclosures housing these animals are only 10.3 sq ft. Also, There are 2 Group 3 nonhuman primates housed in an enclosure that only provides 5.2 sq ft and these animals need at least 8.6 sq ft of floor space. These animals need to be moved to a larger enclosure, or the number of animals per enclosure must be reduced to provide the minimum space requirements.

Correct by: July 22, 2009

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1060

Jul-15-2009

Received By:

(b)(6), (b)(7)(c)

Date:

Title:

Jul-15-2009



Inspection Report

3.81 (c) (4)

ENVIRONMENT ENHANCEMENT TO PROMOTE PSYCHOLOGICAL WELL-BEING.

Special considerations. Certain nonhuman primates must be provided special attention regarding enhancement of their environment, based on the needs of the individual species and in accordance with the instructions of the attending veterinarian. Nonhuman primates requiring special attention are the following: individually housed nonhuman primates that are unable to see and hear nonhuman primates of their own or compatible species.

There were 6 individually-housed nonhuman primates in room 6B whose enclosures were facing the wall, and could not see other nonhuman primates. There was evidence exhibiting that mirrors were previously mounted on the wall, but are not present at this time. The mirrors need to be replaced or these animals need to be moved to different enclosures to allow them to see other nonhuman primates. Also, the facility's plan for Environmental Enrichment of nonhuman primates needs to be updated to address this issue.

Correct by: July 22, 2009

3.84 (c)

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

Housekeeping for premises. Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair in order to protect the nonhuman primates from injury, to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents, pests, and vermin. Premises must be kept free of accumulations of trash, junk, waste, and discarded matter.

The door to the food and bedding storage area is in disrepair. There is a hole in the bottom right corner, where the metal has rusted and worn through the inside portion of the door. This problem needs to be addressed to eliminate a living/breeding ground for rodents and pests inside the door. This also must be done to help facilitate proper husbandry practices when cleaning/sanitizing the room.

Correct by: August 15, 2009

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1060

Jul-15-2009

Received By:

(b)(6), (b)(7)(c)

Date:

Title:

Jul-15-2009



Inspection Report

AMOX INC

Customer ID: **40008**

Certificate: **43-B-3646**

ANICLIN PRECLINICAL

Site: 001

222 S. CENTRAL AVE SUITE 901

AMOX INC.

Type: ROUTINE INSPECTION

Date: Jul-15-2009

ST LOUIS, MO 63105

3.84 (c)

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

Housekeeping for premises. Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair in order to protect the nonhuman primates from injury, to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents, pests, and vermin. Premises must be kept free of accumulations of trash, junk, waste, and discarded matter.

The door to the food and bedding storage area is in disrepair. There is a hole in the bottom right corner, where the metal has rusted and worn through the inside portion of the door. This problem needs to be addressed to eliminate a living/breeding ground for rodents and pests inside the door. This also must be done to help facilitate proper husbandry practices when cleaning/sanitizing the room.

Correct by: August 15, 2009

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1060

Jul-15-2009

Received By:

(b)(6), (b)(7)(c)

Date:

Title:

Jul-15-2009



Inspection Report

AMOX INC

Customer ID: **40008**

Certificate: **43-R-0120**

Site: 001

AMOX INC.

ANICLIN PRECLINICAL

222 S. CENTRAL AVE SUITE 901

Type: ROUTINE INSPECTION

Date: Jun-05-2008

ST LOUIS, MO 63105

2.31 (e) (2) REPEAT

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

A proposal to conduct an activity involving animals, or to make a significant change in an ongoing activity involving animals, must contain a rationale for involving animals, and for the appropriateness of the species and numbers of animals to be used.

Animal activity proposal 07-108 requests 50 animals but does not include group sizes or ranges, and the appropriateness of the proposed numbers. Amendment 1 includes using 15 animals with 5 per group, but there is no rationale for the appropriateness of the number of animals requested.

Remains Uncorrected

Note: This protocol expired on May 14, 2008

2.40 (b) (2)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE (DEALERS AND EXHIBITORS).

Each dealer or exhibitor shall establish and maintain programs of adequate veterinary care that include the use of appropriate methods to prevent, control, diagnose, and treat diseases and injuries.

The following expired medications were found in the pre-surgery room of the Lower Boarder Area:

- Gentamicin sulfate ophthalmic solution 5mL bottle expired- 3/08
- Heparin 30 mL bottle expired- 5/08

The use of expired medication is not considered adequate veterinary care. The pharmacy stock needs to be monitored more carefully/ frequently in order to detect expired drugs. The above medications were immediately discarded.

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1060

Jun-05-2008

Received By:

(b)(6), (b)(7)(c)

Date:

Title:

Jun-05-2008



Inspection Report

Corrected during the inspection

3.131 (c)

SANITATION.

HOUSEKEEPING. Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart. Accumulations of trash shall be placed in designated areas and cleared as necessary to protect the health of the animals.

The trash can in the ante-room of the Lower Boarder Area was overflowing. A few waste items were also present on the floor next to the can. The can should be emptied more frequently to prevent accumulations of trash.

Corrected during the inspection*

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1060

Jun-05-2008

Received By:

(b)(6), (b)(7)(c)

Date:

Title:

Jun-05-2008



Inspection Report

AMOX INC
ANICLIN PRECLINICAL
222 S. CENTRAL AVE SUITE 901

Customer ID: **40008**

Certificate:

Site: 001

AMOX INC.

Type: PRELICENSE INSPECTION #2

Date: May-06-2008

ST LOUIS, MO 63105

2.40 (b) (3)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE (DEALERS AND EXHIBITORS).

Daily observation of all animals to assess their health and well-being. Provided, however, that daily observation of animals may be accomplished by someone other than the attending veterinarian; and provided, further, that a mechanism of direct and frequent communication is required so that timely and accurate information on problems of animal health, behavior, and well-being is conveyed to the attending veterinarian.

During the inspection, 2 primates (#812 and #858) were noted to have severe alopecia of the upper chest, shoulders, and forearms. These animals had not been brought to the attention of the veterinary staff. The animals must be observed on a daily basis, and their problems brought to the attention of the veterinarian, to ensure their health and well-being.

The animals were assessed by a veterinarian during this inspection and identified to receive special enrichment

3.81

ENVIRONMENT ENHANCEMENT TO PROMOTE PSYCHOLOGICAL WELL-BEING.

Dealers, exhibitors, and research facilities must develop, document, and follow an appropriate plan for environment enhancement adequate to promote the psychological well-being of nonhuman primates.

The facility's primate enrichment plan states that animals exhibiting signs of psychological distress will receive additional enrichment. Their behavior will also be re-assessed bi-weekly after implementation of the novel activities.

- 1 primate (#484) was documented with having alopecia on 4/7/08. However, additional enrichment for this animal was not implemented or documented. Also, a re-assessment of the animal was not done.

- 1 primate (#840) was documented with having alopecia and additional enrichment was implemented. However, the animal was not re-assessed bi-weekly to determine its status or the effectiveness of the enrichment.

The facility's Environmental Enrichment plan must be followed to implement and document additional enrichment for

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Date:

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Date:

Title:

May-06-2008



Inspection Report

those animals that have been identified with special needs. Also, the facility's primate Enrichment plan needs to be followed to re-assess the condition of these animals. This will help to promote their health and psychological well-being.

During the inspection, primate #484 was added to the group to receive special enrichment and primate #840 was re-assessed for its condition. The facility also revised their enrichment documentation to ensure that animals identified with psychological distress will receive additional enrichment and be re-assessed on a bi-weekly basis

3.131 (c)

SANITATION.

HOUSEKEEPING. Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart.

In the ante room of the main barn there are bags of pig food stored on pallets. There is an accumulation of dirt and debris under 2 of the pallets. The premises must be kept clean in order to facilitate proper husbandry practices.

The area was cleaned during the time of inspection

The non-compliances identified today were corrected during this inspection.

Applicant wants to be licensed as a Class B Dealer. A check for \$475.00 for the licensing fee was received and is attached to the inspection report.

NO REGULATED ACTIVITIES MAY BE CONDUCTED UNTIL A LICENSE IS ISSUED.

Record-keeping requirements were explained to the applicant.

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

Date:

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May-06-2008

Received By:

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May-06-2008



Inspection Report

AMOX INC

Customer ID: 40008

Certificate:

Site: 001

AMOX INC.

ANICLIN PRECLINICAL

222 S. CENTRAL AVE SUITE 901

Type: PRELICENSE INSPECTION #1

Date: Feb-11-2008

ST LOUIS, MO 63105

2.40 (b) (2)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE (DEALERS AND EXHIBITORS).

Each dealer or exhibitor shall establish and maintain programs of adequate veterinary care that include the use of appropriate methods to prevent, control, diagnose, and treat diseases and injuries.

During the inspection, 10 pigs were noted with extremely overgrown hooves: #5070571, #5070929, #5070643, #5070899, #5071291, #5070830, #5256, #5255, #5257, #5258. The hooves need to be trimmed to prevent foot problems and subsequent injury to the animals. Regular checks and trimming of the pigs' hooves should be scheduled to prevent recurrence of this issue.

3.75 (c) (2)

HOUSING FACILITIES, GENERAL.

MAINTENANCE AND REPLACEMENT OF SURFACES. All surfaces must be maintained on a regular basis. Surfaces of housing facilities that cannot be readily cleaned and sanitized, must be replaced when worn or soiled.

- In the primate housing facility (7A), the floor had numerous areas where the coating had been worn to the concrete.
- In the primate housing facility (7B), the floor had numerous areas where the coating had been worn to the concrete. There were also areas where the floor coating was cracked and peeling, allowing water and debris to seep underneath.

The worn and cracked areas of the floor must be repaired so it can be properly cleaned and sanitized.

3.75 (e)

HOUSING FACILITIES, GENERAL.

STORAGE. Supplies of food and bedding must be stored in a manner that protects the supplies from spoilage, contamination, and vermin infestation.

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

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Feb-11-2008



Inspection Report

In the ante-room to 6A, there were 3 bags of primate food being stored on the same pallet as an open trash receptacle. A power washer that is used to clean the primate cages was also being stored in close proximity. The food should be stored in an area and in a manner where is not susceptible to contamination.

Corrected during the time of inspection.

3.84 (c)

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

HOUSEKEEPING FOR PREMISES. Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair in order to protect the nonhuman primates from injury, to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents, pests, and vermin. Premises must be kept free of accumulations of trash, junk, waste, and discarded matter.

There were carts and flat surfaces in the primate housing facility that had accumulations of dust and debris; especially the cart in 7A holding a TV and a box of clean toys, and the windowsill of the ante-room in 6A. The premises must be kept clean to promote the health of the animals and facilitate proper husbandry practices.

Corrected during the time of inspection.

All items must be in compliance within 2 more inspections or by May 11, 2008 or applicant will forfeit application fee and must wait 6 months to reapply.

NO REGULATED ACTIVITIES MAY BE CONDUCTED UNTIL USDA LICENSE ISSUED.

The applicant will call the inspector to schedule the next pre-license inspection.

Prepared By:

NADIRA R WILLIAMS, V M D USDA, APHIS, Animal Care

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Title: VETERINARY MEDICAL OFFICER Inspector 1060

Feb-11-2008

Received By:

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Date:

Title:

Feb-11-2008



Inspection Report

AMOX INC

Customer ID: **40008**

Certificate: **58-R-0140**

Site: 001

ANICLIN INC

ANICLIN PRECLINICAL

222 S. CENTRAL AVE SUITE 901

Type: ROUTINE INSPECTION

Date: Sep-19-2007

ST LOUIS, MO 63105

2.31 (d) (1) (ii)

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Section 2.31(d)(1)(ii) IACUC: The principal investigator has considered alternatives to procedures that may cause more than momentary or slight pain or distress to the animals, and has provided a written narrative description of the methods and sources, e. g., the Animal Welfare Information Center, used to determine that alternatives were not available.

Amendment 1 to animal activity proposal 06-105 included a procedure under anesthesia and was approved as a relieved painful/distressful procedure. The principal investigator did not include a written narrative description of the methods and sources used to determine that alternatives were not available for the procedure as required by the Animal Welfare regulation.
Correct by October 20, 2007.

2.31 (e) (2)

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Section 2.31(e)(2) IACUC: A proposal to conduct an activity involving animals, or to make a significant change in an ongoing activity involving animals, must contain a rationale for involving animals, and for the appropriateness of the species and numbers of animals to be used.

Amendment 1 to animal activity proposal 07-122 does not include a rationale for the appropriateness of using 8 animals per group for a total of 32 animals. The original proposal was a pilot study requesting 8 total animals.

Animal activity proposal 07-108 requests 50 animals but does not include group sizes or ranges and the appropriateness of the proposed numbers. Amendment 1 includes 15 animals with 5 per group, but there is no rationale for the appropriateness of the number of animals requested.

The principal investigator must include a rationale for appropriateness of the numbers of animals to be

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Sep-19-2007

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Date:

Title:

Sep-19-2007



Inspection Report

used that applies to the proposal to provide the IACUC sufficient information for the review process and to comply with the animal welfare regulations.
Correct by October 20, 2007.

3.80 (a) (2) (i)

PRIMARY ENCLOSURES.

Section 3.80(a)(2)(i) General requirements: Primary enclosures must be constructed and maintained so that they have no sharp points or edges that could injure the nonhuman primates.

The enclosure housing animal 97E036 in room 6A and the enclosure housing animal AT2J in room 6B each have one wire protruding into the enclosure from the back wall. The enclosures need to be repaired or the animal moved to another enclosure to protect the animals from injury. The animals were moved to another enclosure during the inspection.

Corrected during the inspection.

3.81 (b)

ENVIRONMENT ENHANCEMENT TO PROMOTE PSYCHOLOGICAL WELL-BEING.

Section 3.81(b) Environmental enrichment: The physical environment in the primary enclosures must be enriched by providing means of expressing noninjurious species-typical activities. Species differences should be considered when determining the type or methods of enrichment. Examples of environmental enrichments include providing perches, swings, mirrors, and other increased cage complexities; providing objects to manipulate; varied food items; using foraging or task-oriented feeding methods; and providing interaction with the care giver or other familiar and knowledgeable person consistent with personnel safety precautions.

The facility's environmental enrichment plan includes perches and the use of additional perches for primates showing signs of being in psychological distress to increase cage complexity. During the inspection most of the primates were observed on their perch or up in the doorway between adjoining enclosures. However, there were 6 animals in room 6A with no perch in their enclosure. One of the animals with no perch, RQ4412, was observed swaying back and forth when the inspection group was in the room. All the animals need the benefit of the enrichment plan to promote their psychological well-being unless there is an exemption.

Correct by October 20, 2007.

Prepared By:

MARY E GEIB, D V M USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1021

Sep-19-2007

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