



## Inspection Report

Denver Zoological Foundation  
2900 E. 23rd Ave., Operations Gate  
Denver, CO 80205

Customer ID: **3493**

Certificate: **84-C-0002**

Site: 001

DENVER ZOOLOGICAL FOUNDATION

Type: ROUTINE INSPECTION

Date: 25-JUL-2017

### 3.4(c)

#### OUTDOOR HOUSING FACILITIES.

\*\*\*The outdoor shelter for the dog is made of wood that has not been sealed and is not impervious to moisture. There is a nail protruding at the bottom right corner of the front of the dog house that needs to be removed and the wooden "porch" for the dog is in disrepair and must be replaced.

These surfaces must be maintained in good repair for the safety of the dog and to facilitate cleaning.

Correct by: August 28, 2017

### 3.27(b)

#### FACILITIES, OUTDOOR.

\*\*\*Currently the guinea pigs are housed in an outdoor building with a permanently open window and fan for air flow. There is no air conditioning for the building to regulate temperatures and maintain the area under 85F per section 3.26 (a). There is no thermometer within the enclosure to monitor ambient temperatures.

Guinea pigs may not be housed in outdoor facilities unless prior approval is obtained by the Deputy Administrator. This housing situation needs to be addressed for the health of the animals.

To be corrected by August 28, 2017

### 3.28(a)(1)

#### PRIMARY ENCLOSURES.

\*\*\*In the building housing the guinea pigs there are sections of unsealed wood around the window ledge. There is an unsealed wooden shelf on the ground that the guinea pigs have access to.

Shelving and accessories must be constructed of smooth materials that are impervious to liquids. These unsealed areas need to be addressed to facilitate cleaning of the building for the health of the animals.

Prepared By: ENGEL D.V.M DOMINIQUE, D V M USDA, APHIS, Animal Care

Date:  
01-AUG-2017

Title: HPA GOV USER 6113

Received by Title: VP OF ANIMAL OPERATIONS

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To be corrected by: August 28, 2017

### 3.75(e)

#### HOUSING FACILITIES, GENERAL.

\*\*\*The diet prep kitchen for primates in the emerald forest building needs to be addressed. A few of the cutting boards are excessively worn and discolored and can no longer be effectively cleaned and sanitized. In addition, the knife sharpener used to sharpen knives is rusted which can then contaminate the tools used for cutting produce and preparing diets.

Instruments used to prepare food must be maintained in such a condition that they can be cleaned and sanitized properly. There is a potential for food to become contaminated due to insanitary food preparation which can lead to animal illness. These instruments must be brought back into sanitary condition or removed from the area.

\*\*\*The nutrition center's walk-in freezer has a section of metal floor that is coming up off the wood base of the cooler. The nutrition center has identified this as a contamination concern, and a work order was entered in on May 22, 2017, however there is no timeline to correct the issue. Refrigeration of perishable items must be stored accordingly to reduce contamination and deterioration of their nutritive value. The floor condition of this freezer was noted in the work order to be a "contaminate issue."

Contaminated food due to an unsanitary food preparation and holding area can cause disease in non-human primates as well as other species that share food space in the cooler. Therefore, it is important that this flooring be fixed in a timely manner and the current work order should be upgraded with a date for repair completion.

\*\*\*Several sections of the floor in the nutrition center are in disrepair, with cuts and deep pits in the surface, making the floor in these sections unable to be effectively cleaned and sanitized. The floor should be replaced or the damaged sections patched in order to facilitate proper cleaning and sanitation of the area.

To be corrected by: October 28, 2017

### 3.78(e)

#### OUTDOOR HOUSING FACILITIES.

\*\*\*There are insufficient barriers in front of the howler monkey exhibit in the Tropical Discovery building. The two howler monkeys have access to the front mesh on the guest side and the barrier around the exhibit does not prevent public contact with the mesh on the far right and left corners of the barrier. The APHIS inspector was able to stand off to the right side of the exhibit and grab a hold of the front mesh.

A sufficient barrier must be in place between the primary enclosure and the public at any time the public is present,

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in order to restrict physical contact between the public and the nonhuman primates.

Correct by: August 11, 2017

### 3.80(a)(2)(ix) REPEAT

#### PRIMARY ENCLOSURES.

\*\*\*The primary enclosures for the Capuchins, Spider monkeys, and Langurs in the back holding area contain broken tiles, peeling paint, and rust on shift doorways and ceiling beams. These broken tiles, chipped paint and rusted areas do not allow the area to be effectively cleaned and sanitized. This area was first identified to be corrected on APHIS inspection report dated September 30, 2016. Animal Care personnel informed APHIS inspectors that these repairs had been unable to be addressed due to logistical issues.

In January and February the facility identified new issues that needed repair in these primary enclosures. Both of these work orders have been downgraded in priority due to the fact that maintenance staff "cannot have access needed to make the repairs." According to Animal Care personnel, due to fact that Herpes B has tested positive in this area, animals are not able to be moved around.

Currently the animal operations department and facility maintenance department have different understandings of when work orders will be evaluated and fixed based on their 1-5 priority system. This area needs to be addressed and the above items maintained in good repair to facilitate cleaning and sanitization of this area for the health of the animals and to reduce the spread of disease hazards.

### 3.84(c)

#### CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

\*\*\*There is excessive weed and brush growth in the DeBrazza's outdoor enclosure.

Daily spot-cleaning of primate enclosures is required. This amount of weed and brush growth prevents the daily cleaning of this enclosure. Weeds, grass, and bushes must be controlled so as to facilitate cleaning of the premises and pest control.

To be corrected by: August 28, 2017.

### 3.125(a) REPEAT

#### FACILITIES, GENERAL.

\*\*\*In hoof stock barn 3, the door in stall 2, containing an eland was rusted, creating metal edges.

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\*\*\*In hoofstock barn 2, the entire bottom of the metal divider in the bongo's stall was rusted out, creating sharp metal edges. This issue was identified by APHIS to be corrected by April 2017. To date, the metal divider has not been repaired.

The indoor and outdoor housing facilities shall be structurally sound and shall be maintained in good repair to protect the animals from injury and to contain the animals.

If in the future the facility is unable to comply by the date of correction listed on the inspection report, the facility must notify APHIS personnel in writing before the correction date has expired and request an extension.

This inspection was conducted from July 25- July 28 with facility representatives. The exit interview were conducted with the Vice President of Animal Care and the attending veterinarian on July 28, 2017.

### Additional Inspectors

D Ambrosio Andrea, Animal Care Inspector

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## Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
3493	84-C-0002	001	DENVER ZOOLOGICAL FOUNDATION	25-JUL-17
<b>Count</b>	<b>Scientific Name</b>		<b>Common Name</b>	
000002	<i>Acinonyx jubatus</i>		CHEETAH	
000003	<i>Ailurus fulgens</i>		RED PANDA	
000003	<i>Alouatta caraya</i>		BLACK HOWLER	
000007	<i>Amblonyx cinereus</i>		ORIENTAL SMALL-CLAWED OTTER	
000017	<i>Artibeus jamaicensis</i>		JAMAICAN FRUIT-EATING BAT / JAMAICAN FRUIT BAT	
000002	<i>Ateles geoffroyi</i>		BLACK-HANDED SPIDER MONKEY	
000004	<i>Bison bison</i>		AMERICAN BISON	
000001	<i>Callicebus cupreus</i>		COPPERY TITI	
000001	<i>Callicebus donacophilus</i>		REED TITI	
000001	<i>Callimico goeldii</i>		GOELDI'S MONKEY	
000006	<i>Callithrix geoffroyi</i>		WHITE-FRONTED MARMOSET	
000002	<i>Callithrix pygmaea</i>		PYGMY MARMOSET	
000003	<i>Callosciurus prevostii</i>		PREVOST'S SQUIRREL / TRI-COLORED SQUIRREL	
000003	<i>Camelus bactrianus</i>		BACTRIAN CAMEL	
000001	<i>Canis lupus familiaris</i>		DOG ADULT	
000241	<i>Carollia perspicillata</i>		SEBA'S SHORT-TAILED BAT	
000010	<i>Cavia porcellus</i>		DOMESTIC GUINEA PIG	
000014	<i>Cebus albifrons</i>		BROWN PALE-FRONTED CAPUCHIN	
000002	<i>Cephalophus silvicultor</i>		YELLOW-BACKED DUIKER	
000004	<i>Cercocebus torquatus</i>		RED-CAPPED MANGABEY	
000004	<i>Cercopithecus neglectus</i>		DE BRAZZA'S MONKEY	
000002	<i>Cercopithecus wolffi</i>		WOLF'S GUENON	
000002	<i>Choloepus didactylus</i>		LINNAEUS'S TWO-TOED SLOTH	
000001	<i>Chrysocyon brachyurus</i>		MANED WOLF	
000001	<i>Coendou prehensilis</i>		PREHENSILE-TAILED PORCUPINE	
000004	<i>Colobus guereza</i>		EASTERN BLACK-AND-WHITE COLOBUS / GUEREZA	
000005	<i>Crocuta crocuta</i>		SPOTTED HYENA	
000002	<i>Cynomys ludovicianus</i>		BLACK-TAILED PRAIRIE DOG	
000001	<i>Dasypus novemcinctus</i>		NINE-BANDED ARMADILLO	
000002	<i>Daubentonia madagascariensis</i>		AYE-AYE	
000027	<i>Desmodus rotundus</i>		COMMON VAMPIRE BAT	
000001	<i>Diceros bicornis</i>		BLACK RHINOCEROS	
000001	<i>Didelphis virginiana</i>		VIRGINIA OPOSSUM	
000001	<i>Dolichotis patagonum</i>		PATAGONIAN CAVY / MARA	
000002	<i>Echinops telfairi</i>		LESSER MADAGASCAR HEDGEHOG TENREC	
000003	<i>Elephas maximus</i>		ASIAN ELEPHANT	
000001	<i>Equus asinus africanus</i>		AFRICAN WILD ASS	
000001	<i>Equus asinus asinus</i>		DONKEY / BURRO / ASS	
000004	<i>Equus caballus przewalskii</i>		PRZEWALSKI'S WILD HORSE	
000007	<i>Equus grevyi</i>		GREVY'S ZEBRA	



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<b>Count</b>	<b>Scientific Name</b>	<b>Common Name</b>		
000001	<i>Erethizon dorsatum</i>	NORTH AMERICAN PORCUPINE		
000001	<i>Eulemur alblfrons</i>	WHITE-FRONTED LEMUR		
000002	<i>Eulemur mongoz</i>	MONGOOSE LEMUR		
000005	<i>Giraffa camelopardalis</i>	GIRAFFE		
000009	<i>Gorilla gorilla</i>	WESTERN GORILLA		
000002	<i>Helogale parvula</i>	DWARF MONGOOSE		
000001	<i>Hippopotamus amphibius</i>	HIPPOPOTAMUS		
000002	<i>Hyaena hyaena</i>	STRIPED HYENA		
000001	<i>Hydrochaeris hydrochaeris</i>	CAPYBARA		
000002	<i>Hystrix africaeaustralis</i>	CAPE PORCUPINE		
000002	<i>Lama glama</i>	LLAMA		
000003	<i>Lemur catta</i>	RING-TAILED LEMUR		
000005	<i>Leontopithecus rosalia</i>	GOLDEN LION TAMARIN		
000003	<i>Leptailurus serval</i>	SERVAL		
000002	<i>Litocranius walleri</i>	GERENUK		
000002	<i>Lontra canadensis</i>	NORTH AMERICAN RIVER OTTER		
000003	<i>Lycaon pictus</i>	AFRICAN HUNTING DOG / AFRICAN WILD DOG		
000001	<i>Madoqua kirkii</i>	KIRK'S DIKDIK / KIRKS DIK-DIK		
000003	<i>Mandrillus sphinx</i>	MANDRILL		
000007	<i>Mungos mungo</i>	BANDED MONGOOSE		
000002	<i>Nasua nasua</i>	SOUTH AMERICAN COATI		
000003	<i>Neofelis nebulosa</i>	CLOUDED LEOPARD		
000003	<i>Nomascus gabriellae</i>	BUFF-CHEEKED GIBBON		
000001	<i>Nomascus leucogenys</i>	WHITE-CHEEKED GIBBON		
000004	<i>Octodon degus</i>	DEGU		
000004	<i>Okapia johnstoni</i>	OKAPI		
000001	<i>Oreotragus oreotragus</i>	KLIPSPRINGER		
000003	<i>Oryctolagus cuniculus</i>	DOMESTIC RABBIT / EUROPEAN RABBIT		
000004	<i>Osphranter rufus</i>	RED KANGAROO		
000002	<i>Otocyon megalotis</i>	BAT-EARED FOX		
000006	<i>Ovis canadensis</i>	BIGHORN SHEEP		
000002	<i>Ovis dalli</i>	DALL SHEEP WHITE SHEEP		
000013	<i>Panthera leo</i>	LION		
000002	<i>Panthera pardus</i>	LEOPARD		
000003	<i>Panthera tigris</i>	TIGER		
000003	<i>Phoca vitulina</i>	HARBOR SEAL		
000004	<i>Pithecia pithecia</i>	WHITE-FACED SAKI		
000005	<i>Pongo abelii</i>	SUMATRAN ORANGUTAN		
000005	<i>Potamochoerus porcus</i>	RED RIVER HOG		
000001	<i>Presbytis thomasi</i>	THOMAS'S LANGUR / THOMAS'S LEAF MONKEY		



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Count	Scientific Name	Common Name
000003	<i>Prionailurus viverrinus</i>	FISHING CAT
000002	<i>Rhinoceros unicornis</i>	INDIAN RHINOCEROS
000002	<i>Saguinus imperator</i>	EMPEROR TAMARIN
000001	<i>Setifer setosus</i>	GREATER MADAGASCAR HEDGEHOG TENREC
000001	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
000008	<i>Syncerus caffer</i>	AFRICAN BUFFALO / CAPE BUFFALO
000004	<i>Tamandua tetradactyla</i>	SOUTHERN TAMANDUA
000003	<i>Tapirus indicus</i>	MALAYAN TAPIR
000001	<i>Taurotragus oryx</i>	COMMON ELAND
000001	<i>Tolypeutes matacus</i>	SOUTHERN THREE-BANDED ARMADILLO
000001	<i>Trachypithecus cristatus</i>	SILVERY LUTUNG / SILVERED LANGUR / LEAF MONKEY
000005	<i>Tragelaphus eurycerus</i>	BONGO
000003	<i>Tragelaphus imberbis</i>	LESSER KUDU
000002	<i>Uncia uncia</i>	SNOW LEOPARD
000002	<i>Ursus arctos horribilis</i>	GRIZZLY BEAR
000002	<i>Ursus maritimus</i>	POLAR BEAR
000003	<i>Varecia rubra</i>	RED RUFFED LEMUR
000002	<i>Vulpes zerda</i>	FENNEC FOX
000006	<i>Zalophus californianus</i>	CALIFORNIA SEA LION
<b>000579</b>	<b>Total</b>	