



Inspection Report

Karl Mogensen
Po Box 88
Natural Bridge, VA 24578

Customer ID: **2468**
Certificate: **52-C-0035**
Site: 001
KARL MOGENSEN

Type: ROUTINE INSPECTION
Date: 19-MAY-2015

2.40(b)(2) REPEAT

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

*All four feet of the female African elephant, Asha, are in need of foot care and trimming. All four feet show excessive pad overgrowth with built up areas and flaps present that can allow foreign objects to lodge under them and penetrate the sole. One nail on the left front foot appears chipped/broken. The elephant keeper reported that this occurred recently on a rock and that he is addressing this nail. Several other nails appear long and irregular in shape. Toenails need to be trimmed so that the elephant is not putting weight or pressure on the nails. The keeper indicated that he does footwork only as needed and does not currently have a routine footcare program in place. No documentation of footcare was available for review.

The skin of the female African elephant, Asha, appears dry and thickened with a cracked looking appearance especially over her back and on her head. The keeper indicated that he does do baths with water and uses a small wire brush on her skin occasionally. There is a container of Zafari, commonly used to bathe elephants with dry skin, present at the facility but the amount of dirt on the container and the difficulty of opening the lid indicate that it has not been used recently or regularly. The elephant enclosure does not have a pond or pool available for her to soak in.

Healthy skin and feet are important to the overall health of the elephant.

The feet and skin of the elephant Asha should be evaluated by a veterinarian and a written foot and skin care maintenance program needs to be established by June 21, 2015. The program shall meet current professionally accepted standards. Ongoing maintenance of the feet and skin of the elephant should be documented and available for inspection.

*The approximately 15 year old male serval appears thin. The serval has a tucked up/tucked in appearance with the vertebral bodies (spine) and hip bones slightly showing. His cheek/face bone structure also appears more pronounced than normal. The facility representative stated that he has been like this for a while and that they are feeding him more than the other serval. There is no documentation available to show that the attending veterinarian was contacted to evaluate the serval prior to the start of this inspection.

Prepared By: SUSANNE BRUNKHORST, D V M USDA, APHIS, Animal Care

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Loss of weight can be associated with old age however it can also be an indication of illness, disease, or nutritional imbalance.

The facility needs to have the serval evaluated by a veterinarian and a medical workup done to determine if there is an underlying cause and to determine the best feeding/nutritional plan for this animal. A licensed veterinarian met with APHIS officials during the inspection process on May 20, 2015 and stated that she had just looked at the serval and was establishing a veterinary care plan for him.

This is a repeat non-compliant item based on section and subsection numbers. All veterinary care issues cited under this section and subsection on the March 10, 2015 inspection report have been addressed. Newly identified issues shall be addressed as indicated above.

2.131(e)

HANDLING OF ANIMALS.

*** 10 rabbits are being housed in the 3 enclosures on the porch by the keeper building. An adult female is housed in a metal water trough with 3 nursing young (kits). Two adult rabbits are being housed in a second metal water trough. Four juvenile rabbits are housed in an elevated enclosure with wire walls and flooring. The temperature at 4 pm ranged from 85 to 87 degrees inside and near the enclosures. The adult female with kits was lying elongated along the edge of the metal trough and was panting. In addition, her 3 young had spread themselves apart in the nest area in an attempt to stay cool. The two adult rabbits in the second metal trough were lying along the edge of the trough, had elongated their bodies, and pushed the wood shavings away from them in an attempt to stay cool. One of the juvenile rabbits in the third enclosure had moved to lay next to the water receptacle and the other three were still slightly huddled together. They had mildly increased breathing rates. The three adult rabbits and the kits are showing signs of heat stress by panting, elongating their bodies, and/or attempting to move away from each other. All animals must not be subjected to conditions of temperature, humidity, and time that are detrimental to the animals' health. The licensee must correct this by providing these animals with cooler conditions (for example, provide ventilation, misters, moving the animals to a cooler area of the facility, etc). This was first identified by inspectors and reported to the licensee on May 19, 2015.

*** NOTE: The licensee corrected this by May 20, 2015 at 9 am.

3.75(c)(1)(1)

REPEAT

HOUSING FACILITIES, GENERAL.

*** There are two primate enclosures that are severely rusted. One enclosure, housing two De Brazza 's monkeys,

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is located within the Keeper building . The metal frame of this enclosure and the guillotine style door are severely rusted. The second primate enclosure, housing two De Brazza' s monkeys, is located within the mouse house building . The metal frame of this enclosure is severely rusted. The rusted areas, in both of these enclosures, are in contact with the primates and are pitted and flaking.

Excessive rust can affect the structural strength of surfaces and prevents the required cleaning and sanitization of enclosures.

Any surface that comes in contact with the nonhuman primates must be free of excessive rust that prevents the required cleaning and sanitization, or that affects the structural strength of the surface. Correct by ensuring that all rusted enclosures and any rusted surfaces that are in contact with the primates are repaired or replaced to ensure structural strength and to allow them to be readily cleaned and sanitized.

3.77(a)

SHELTERED HOUSING FACILITIES.

The sheltered mandrill building, housing five mandrills, is not sufficiently cooled within the sheltered portion of the housing facility. The temperature within the indoor portion of the mandrill building at 1:50 pm on Tuesday May 19th was 91.3 degrees Fahrenheit. The temperature at 3:47 pm on the same day was 90.1 degrees Fahrenheit. The inspectors felt hot and were sweating within the building. There is no auxiliary ventilation within this building (fans, open windows, air conditioning units, etc). A facility representative stated that they leave the door open to provide air flow within the building. There are two separate enclosures within this building. One enclosure, housing three primates had access to the outdoor portion of the sheltered housing facility. Two mandrills in the second enclosure were locked in and had no access to the outdoor portion of the housing facility. The facility representative stated that the two groups of animals are allowed access to the outdoor portion of the housing facility on alternating days. According to the National Weather Service/NOAA Website, the high for the day in Roanoke, VA was 87 degrees at approximately 4:00 pm. The minimum temperature for the day was 67 degrees and occurred prior to 7:00 am.

Exposure to excessive heat can lead to heat stress or other veterinary medical conditions and creates an uncomfortable environment for the primates.

The sheltered portion of the sheltered housing facility must be sufficiently cooled (and heated when necessary) to protect the nonhuman primates from temperature extremes, and to provide for their health and well-being. The ambient temperature in the sheltered part of the facility must not rise above 85 degrees Fahrenheit for more than 4 consecutive hours unless temperatures above 85 degrees Fahrenheit are approved by the attending veterinarian and are in accordance with generally accepted husbandry practices. Correct by ensuring that the ambient temperature is maintained at a level that ensures the health and well-being of the species housed, as directed by

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the veterinarian, in accordance with generally accepted professional and husbandry practices and does not rise above 85 degrees Fahrenheit for more than four consecutive hours.

To be corrected by: May 24th, 2015

3.125(a) REPEAT

FACILITIES, GENERAL.

*** A portion of the primary enclosure fencing for the pigs is made of movable metal livestock fence panels with horizontal bars. The spacing of the bars is large enough at the bottom that the smallest piglets in the enclosure are able to escape from the enclosure if they were motivated to do so. Additionally, the area where the sections of metal panels are connected has areas large enough for the piglets to get through. This area is in need of repair or replacement as it is a potential escape risk. The facility must ensure that all animal enclosures are maintained to adequately contain the animals and protect them from injury.

3.129(a)

FEEDING.

The facility's current program for hand rearing tiger cubs is not adequate. Four tiger cubs were born on 9 April 2015 and were removed from the dam within one hour of birth. Each cub was fed reconstituted commercially available cattle colostrum (Bovine IgG Calf's Choice Total) for the first two days before being transitioned to formula. The facility is currently using Fox Valley Day One 32/40 Formula to comprise the bulk of the cub diet. Directions on the formula recommend reconstitution by mixing 1 part powder to 2 parts water. The keeper responsible for care of the tiger cubs stated that the formula is currently being made by mixing 1/4 cup of formula powder with 1/4 cup goat's milk and then diluting the mixture to approximately 1000 ml with water. This represents approximately a 1:15 dilution of formula (seven and a half times more dilute than recommended) with the small addition of goats milk. Formula is refrigerated until feeding at which time it is transferred to a bottle which is then microwaved for approximately one minute to warm. Currently the facility is feeding dilute formula ad libitum 4 - 5 times per day. The feeding plan states that meat is added to the formula diet at 8 weeks of age. When meat is introduced, the current diet plan calls for a small amount of Feline T-Oasis Vitamin supplement to be sprinkled on beef. According to the keeper, there are no other dietary supplements given prior to feeding meat.

One tiger cub remains at the facility at this time. In the week preceding inspection, facility records indicate the cub had an average weight of 4.6 kg (10 lbs) and consumed a daily average of over 2 liters of dilute formula. Based on expected nutritional intake, this cub is currently consuming approximately 30% less than required. In order to take in enough nutrition a cub of this size would need to consume approximately 3 liters of dilute formula/goat milk mix per day. At the time of inspection this cub was bright and alert but had a rough hair coat, a prominent pelvis, and a

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pot-bellied appearance.

The current feeding practices in use by the facility are not appropriate for the age, species and size of this animal.

Bovine colostrum has not been demonstrated to provide immune protection to exotic felines such as tigers and the facility is not currently addressing passive transfer of immunity to the cubs in any other manner. Failure to ensure that cubs receive adequate immunity from their dam or an alternate source places cubs at increased risk of disease.

The extreme dilution of the formula by the facility requires the cub to drink an excessive volume of dilute formula/goat's milk mix and therefore, as it is currently being prepared, is not of sufficient nutritive value to appropriately maintain the health and allow for normal growth of this cub. Additionally, microwaving formula for excessive periods of time is not consistent with the manufacturer's recommendations for preparing the formula. This may lead to additional health complications.

Although meat is not currently being added to the diet, the approved feeding plan fails to provide specific guidance regarding measuring the amount of supplement (Feline T-Oasis Vitamin supplement) and meat to which it is added and is therefore inconsistent with manufacturer's recommendations. Failure to properly supplement meat fed to growing cubs may lead to health complications such as the development of metabolic bone disease. Additionally, the accepted industry standard includes introduction of meat products as early as 2-3 weeks old (added to the formula) and a gradual increase in meat consumption until weaning.

Correction of this noncompliance shall involve three steps. First, the facility must contact the attending veterinarian to develop a plan for this cub to immediately transition her to a diet that is wholesome, palatable and of sufficient nutritive value. Complete by 5:00 pm on 23 May 2015. Second, a cub feeding plan which meets all nutritional needs for cubs throughout all their growth stages and meets currently accepted industry standards must be developed and approved by the attending veterinarian no later than 30 May 2015. Third, the facility must seek guidance from the attending veterinarian regarding developing a hand rearing protocol for tigers that is in accordance with generally accepted industry standards for all aspects of care prior to any future hand rearing of tiger cubs.

3.131(c) REPEAT

SANITATION.

*** At least 75% of the muntjac enclosure is overgrown with knee high grass and weeds. The licensee's wife stated that they normally mow approximately half of the enclosure while leaving the rest of the enclosure longer to allow the muntjac a place to hide and bed down if they choose. The facility must, however, ensure that the grasses and weeds are controlled to allow them to observe the animals daily, monitor for pests, and remove animal waste as needed. Correct this by trimming and maintaining weeds and grasses in this and all animal enclosures.

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*** All veterinary care citations from the March 10, 2015 inspection report have been addressed by the facility and the attending veterinarian.

*** This inspection was conducted on May 19 and 20, 2015 with the licensee, the wife of the licensee, and several facility representatives as well as staff from the Virginia Department of Game and Inland Fisheries, and multiple staff representing the USDA-APHIS-Animal Care including: VMO Heather Cole, SACS Dana M. Miller, ACI Randall Coleman, and VMO Susanne Brunkhorst.

***A formal exit interview was conducted with the licensee, his wife, licensee's attorney (for a portion of exit) and the above listed APHIS Officials on May 22, 2015.

Additional Inspectors

Miller Dana, Supervisory Animal Care Specialist

Cole Heather, Supervisory Animal Care Specialist

Coleman Randall, Animal Care Inspector

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
2468	52-C-0035	001	KARL MOGENSEN	19-MAY-15

Count	Scientific Name	Common Name
000001	<i>Atelerix albiventris</i>	HEDGEHOG
000009	<i>Ateles geoffroyi</i>	BLACK-HANDED SPIDER MONKEY
000010	<i>Callosciurus prevostii</i>	PREVOST'S SQUIRREL / TRI-COLORED SQUIRREL
000018	<i>Camelus dromedarius domestic</i>	DOMESTIC DROMEDARY CAMEL
000041	<i>Capra hircus</i>	DOMESTIC GOAT
000015	<i>Cebus capucinus</i>	WHITE-HEADED / WHITE-THROATED CAPUCHIN
000006	<i>Cercopithecus neglectus</i>	DE BRAZZA'S MONKEY
000008	<i>Dama dama</i>	FALLOW DEER
000004	<i>Damaliscus pygargus</i>	BONTEBOK / BLESBOK
000017	<i>Equus quagga</i>	BURCHELL'S / GRANT'S / CHAPMAN'S / PLAINS ZEBRA
000005	<i>Giraffa camelopardalis</i>	GIRAFFE
000002	<i>Hylobates lar</i>	LAR GIBBON
000003	<i>Hystrix africaeaustralis</i>	CAPE PORCUPINE
000024	<i>Lama glama</i>	LLAMA
000004	<i>Lemur catta</i>	RING-TAILED LEMUR
000002	<i>Leptailurus serval</i>	SERVAL
000001	<i>Loxodonta africana</i>	AFRICAN ELEPHANT
000003	<i>Macaca fuscata</i>	JAPANESE MACAQUE *MALE
000005	<i>Mandrillus sphinx</i>	MANDRILL *MALE
000009	<i>Muntiacus muntjak</i>	INDIAN MUNTJAC
000003	<i>Notamacropus rufogriseus</i>	BENNETT'S WALLABY / RED-NECKED WALLABY
000011	<i>Oryctolagus cuniculus</i>	EUROPEAN RABBIT
000012	<i>Oryx beisa</i>	EAST AFRICAN ORYX (BEISA ORYX)
000009	<i>Ovis aries aries</i>	SHEEP INCLUDING ALL DOMESTIC BREEDS
000003	<i>Panthera tigris</i>	TIGER
000002	<i>Puma concolor</i>	PUMA / MOUNTAIN LION / COUGAR
000002	<i>Saguinus midas</i>	RED-HANDED TAMARIN
000007	<i>Saguinus oedipus</i>	COTTON-TOP TAMARIN
000015	<i>Sapajus appella</i>	BROWN CAPUCHIN / TUFTED CAPUCHIN
000027	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
000010	<i>Tragelaphus angasii</i>	NYALA
000004	<i>Tragelaphus eurycerus</i>	BONGO
000014	<i>Tragelaphus spekii</i>	SITATUNGA
000007	<i>Tragelaphus strepsiceros</i>	GREATER KUDU
000002	<i>Ursus thibetanus</i>	ASIATIC BLACK BEAR
000003	<i>Varecia rubra</i>	RED RUFFED LEMUR
000004	<i>Varecia variegata</i>	BLACK-AND-WHITE RUFFED LEMUR
000001	<i>Vulpes zerda</i>	FENNEC FOX
000323	Total	