

U.S. Meat Animal Research Center

Attending Veterinarian Post-Approval Monitoring Form

Principal
Investigator

[REDACTED]

Experiment
Outline #

110.0 Metagenomic Detection of Viral and Bacterial Pathogens.

Location

Various working facilities.

Date(s) Visited

Report associated with pre-conditioning vaccination 2019

Comments

During approved sampling of calves for outline 110.0 there was concern regarding consistent application of analgesia for dehorning. The IACUC Chair was informed of a concern that regional anesthesia and analgesia in the form of NSAID administration may not be consistently applied at the pole sheds. The IACUC Chair immediately informed Attending Veterinarian of the concern.

(b)(5) - Deliberative

Submitted by [REDACTED] (b) (6)

USMARC Veterinary Personnel Signature:

USMARC Adverse Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Two calves brought to GPVEC for evaluation [REDACTED] and [REDACTED]. GPVEC veterinary staff initially evaluated them. The Attending Veterinarian provided additional primary care to animal [REDACTED]. The institutional officer and IACUC Chair were notified.

2. Facility or Animal Location:

Pole shed [REDACTED] Fall calving pairs.

3. Date of the Observation of the event or incident:

Calf ID [REDACTED] was examined 1/30/2019. A second calf [REDACTED] was brought for evaluation 1/31/2019

4. IACUC Projects related to this form: No specific outlines are associated with these animals. Both are commercial fall calving cows and calves.

5. Describe the event or incident: The two calves had previously been orphaned and presented for poor body condition. (b)(5) - Deliberative

(b)(5) - Deliberative

Calf ID [REDACTED] was brought to GPVEC 1/30/2018 unable to rise, poor body condition and exhibiting hypothermia. (b)(5) - Deliberative

(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

As noted, both animals were examined and treated by Veterinary staff. One was euthanized 4 days later after initially responding then regressing.

7. Who was contacted to assist with the adverse event?

USMARC and GPVEC Veterinary staff were contacted and examined these animals and provided treatment.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

- a. (b)(5) - Deliberative
- b.

USMARC Adverse Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Events involved observations, communication, and subsequent events and actions between sheep species manager and the Attending Veterinarian and reported by the Attending Veterinarian. Ultimately, the summation of these events resulted in the development of an adverse event report.

Report submitted by the Attending veterinarian to Livestock Operations Manager, Institutional Officer and IACUC Chair.

2. Facility or Animal Location:

Sheep facilities (b) (6)

3. Date of the Observation of the event or incident:

Documented events occurred between late January and March.

4. IACUC Projects related to this form: Management of the Romanov Flock.

5. Describe the event or incident:

- a. Management of Romanov ewes and ewe lambs post shearing: During weekly consultation and walk through January 24, 2019 directly post-shearing of the ewes it was reported to the sheep species manager that a modest percentage of the approximately 200 pregnant Romanov ewes were in poor body condition.

The following management considerations were asked to be implemented.

- i. (b)(5) - Deliberative

ii.

iii.

(b)(5) - Deliberative

(b)(5) - Deliberative

(b)(5) - Deliberative

February 14, 2019 AV concerns were brought to the Operations Manager during weekly meeting. (b)(5) - Deliberative
(b)(5) - Deliberative

March 4, 2019, USMARC Veterinary staff and GPVEC Veterinary staff attended to two at risk Romanov ewes that were unable to rise with very low body condition and low body temperature. (b)(5) - Deliberative
(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

Resultant euthanasia of two Romanov ewes.

7. Who was contacted to assist with the adverse event?

(b)(5) - Deliberative

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative



(b)(5) - Deliberative



USMARC Adverse Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. The IACUC Chair and Institutional Officer were informed.

2. Facility or Animal Location:

Polished (b) Pastures (b) (6)
(6)

3. Date of the Observation of the event or incident:

May 12, 2019

4. IACUC Projects related to this form: No specific projects, USMARC cattle population.

5. Describe the event or incident:

Six pastures were not observed by an employee on Saturday, May 12, 2019.

6. Was animal death observed or were dead animals present?

No animal issues were identified as a result of the incident.

7. Who was contacted to assist with the adverse event?

Operations manager contacted Attending Veterinarian Monday, May 14.
Center director and IACUC chairman were contacted by Attending Veterinarian May 14.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Adverse Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

During an APHIS inspection it was noted by USMARC Veterinary Staff that treatment of a ewe occurred off protocol. This was self-reported. Institutional Officer, IACUC Chair, Livestock Operations Manager and APHIS inspectors were immediately informed of the event.

2. Facility or Animal Location:

Sheep facilities (b) (6)

3. Date of the Observation of the event or incident:

August 6, 2019

4. IACUC Projects related to this form: None

5. Describe the event or incident:

On August 6, 2019 one male lamb, identification (b) (6), was observed by the APHIS inspectors to be non-weight bearing on the right front limb. (b)(5) - Deliberative
(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

No deaths were associated with this report. Animal fully recovered.

7. Who was contacted to assist with the adverse event?

USMARC Veterinary Staff provided care for the animal.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence. (b)(5) - Deliberative

(b)(5) - Deliberative

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6) (b) (6)
(b) (6) The institutional officer and IACUC chair were contacted.

2. Facility or Animal Location:

Swine Building (b) (6)

3. Date of the Observation of the event or incident:

January 8, 2019, January 11, 2019

4. IACUC Projects related to this form: EO #27: Standard measurements on female population at USMARC- Measurements to be performed on Landrace, Yorkshire, and other commercial semen-derived females that are slated for herd removal at USMARC.

5. Describe the event or incident: Between 1/7/2019 and 1/10/2019 three gilts were observed with severe lameness. All pigs were diagnosed with fractures. Three severe injuries in a short time period is unexpected.

6. Was animal death observed or were dead animals present?

(b)(5) - Deliberative

(b)(5) - Deliberative The lameness was noted immediately after transport to building (b) (6)

7. Who was contacted to assist with the adverse event?

Species manager was contacted.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative



USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6). The Institutional Officer and IACUC Chair were notified of the event.

2. Facility or Animal Location:

PS (b) Pasture (b) (6)

3. Date of the Observation of the event or incident:

The event occurred January 28, 2019.

4. IACUC Projects related to this form: EO 54.0 Development and management of the beef cattle germplasm evaluation program for detections of breed differences, estimation of heterosis and genetic correlations and to serve as a beef cattle genomics resource population.

5. Describe the event or incident: Calf found by AHT at first check with right front leg caught in portable panels surrounding creep area. Open fracture obvious. Veterinary services immediately contacted and the calf was humanely euthanized.

6. Was animal death observed or were dead animals present?

(b)(5) - Deliberative

7. Who was contacted to assist with the adverse event?

On call/attending veterinarian was immediately contacted.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative



USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6). The Institutional Officer and IACUC Chair were notified.

2. Facility or Animal Location:

Swine (b) (6)

3. Date of the Observation of the event or incident:

March 15, 2019, March 20, 2019

4. IACUC Projects related to this form: EO #104 Maternal lactocrine programming of porcine reproductive tract development.**5. Describe the event or incident:** Two pigs were found dead after routine collection of a blood sample for immunocrit. Pig #1 developed a hematoma and died immediately. Pig #1 was not necropsied since it was less than 10 days of age. The Attending Veterinarian was contacted by the PI immediately. (b)(5) - Deliberative

(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

Animals were found dead in pen following procedure.

7. Who was contacted to assist with the adverse event?

Attending veterinarian was contacted. (b)(5) - Deliberative

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

(b)(5) - Deliberative

A large black rectangular redaction box covering the majority of the first line of text.

(b)(5) - Deliberative

A large black rectangular redaction box covering the majority of the second line of text.

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6). The Institutional Officer and IACUC Chair were notified of the event.

2. Facility or Animal Location:

Sheep, Poleshed (b) (6)

3. Date of the Observation of the event or incident:

April 24, 2019

4. IACUC Projects related to this form: No specific outline.

5. Describe the event or incident: AHT found one dead lamb caught under creep panel that had become dislodged and fell at first check.

6. Was animal death observed or were dead animals present?

One feeder lamb was trapped in fence and dead when found.

7. Who was contacted to assist with the adverse event?

Attending veterinarian.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6). The Institutional Officer and IACUC Chair were notified.

2. Facility or Animal Location:

Swine (b) (6)

3. Date of the Observation of the event or incident:

April 26, 2019

4. IACUC Projects related to this form: Animal had previously been assigned to EO #27: Standard measurements on female population at USMARC- Measurements to be performed on Landrace, Yorkshire, and other commercial semen-derived females that are slated for herd removal at USMARC.

5. Describe the event or incident: AHT found animal with head stuck in the rear entry gate of electronic sow feeder (ESF).

6. Was animal death observed or were dead animals present?
Animal was found dead by AHT at first check.

7. Who was contacted to assist with the adverse event?
Attending veterinarian.

8. Describe what measures were undertaken to minimize impact on animals.
(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative



USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6). The Institutional Officer and IACU Chair were notified.

2. Facility or Animal Location:

Poleshed (b) (6)

3. Date of the Observation of the event or incident:

May 1, 2019

4. IACUC Projects related to this form: EO #54

5. Describe the event or incident: A new born calf was identified as lame on right front. Veterinary services were contacted. (b)(5) - Deliberative

(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

Animal died May 1, 2019.

7. Who was contacted to assist with the adverse event?

Animal was brought to necropsy and case history was reviewed.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6)

2. Facility or Animal Location:

Poleshed (b) (6)

3. Date of the Observation of the event or incident:

June 5, 2019

4. IACUC Projects related to this form: EO 36.1 Heifer replacement programs using systems that include crop residue and cover crops.

5. Describe the event or incident: Discussion with poleshed manager, cow travelled through facilities uneventfully. When released from chute, cow laid down. After attempts to get cow up, it was noted the animal had a fractured leg.

6. Was animal death observed or were dead animals present?

Cow was humanely euthanized by USMARC Veterinary Services.

7. Who was contacted to assist with the adverse event?

Attending veterinarian.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian ID (b) (6). Institutional Officer and IACUC Chair were notified.

2. Facility or Animal Location:

Area (b) (6) sheep.

3. Date of the Observation of the event or incident:

July 10, 2019

4. IACUC Projects related to this form: EO 40.2 Maintenance of an ovine progressive pneumonia-free sheep flock with variation in the TMEM-154 gene.

5. Describe the event or incident: Fence panel fell and entrapped ewe.

6. Was animal death observed or were dead animals present?

One ewe was found dead with panel across her.

7. Who was contacted to assist with the adverse event?

Attending veterinarian.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian ID (b) (6). The Institutional Officer and IACUC Chair were informed.

2. Facility or Animal Location:

Bldg (b) (6) pen (b) (6) sheep.

3. Date of the Observation of the event or incident:

July 15, 2019

4. IACUC Projects related to this form: No specific.

5. Describe the event or incident: Lamb was found with head stuck in fence by AHT at first check.

6. Was animal death observed or were dead animals present?

One lamb was found trapped in fence and dead.

7. Who was contacted to assist with the adverse event?

Attending veterinarian.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID (b) (6). The Institutional Officer and IACUC Chair were informed.

2. Facility or Animal Location:

Sheep working area

3. Date of the Observation of the event or incident:

July 23, 2019

4. IACUC Projects related to this form: EO 95, standard FAMACHA scoring event.

5. Describe the event or incident: Ewes were in holding pen of processing area, waiting to be FAMACHA scored. One ewe found dead in the group.

6. Was animal death observed or were dead animals present?

One ewe was found dead.

7. Who was contacted to assist with the adverse event?

Attending veterinarian was present.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian.

Animal ID (b) (6). The Institutional Officer and IACUC Chair were contacted.

2. Facility or Animal Location:

Sheep, bldg. (b) (6)

3. Date of the Observation of the event or incident:

August 7, 2019

4. IACUC Projects related to this form: EO 33.2.

5. Describe the event or incident: A severe and damaging thunderstorm during the overnight hours of August 6-7, 2019, with extremely high winds and heavy rain. Lambs were found in a group near the back of the outside portion pen. (b)(5) - Deliberative

(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

Five lambs were found dead.

7. Who was contacted to assist with the adverse event?

Attending veterinarian was notified of animals found.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID [REDACTED]. The Institutional Officer and IACUC Chair were informed of the event.

2. Facility or Animal Location:

PS (b) (b) AWS

3. Date of the Observation of the event or incident:

August 21, 2019

4. IACUC Projects related to this form: EO #54

5. Describe the event or incident: Calf was lying unseen in tall grass and accidentally run over by UTV.

6. Was animal death observed or were dead animals present?

The calf was injured and later euthanized following treatment.

7. Who was contacted to assist with the adverse event?

On call veterinarian was notified and attending veterinarian assisted with treatment.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Event Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian.

Animal ID (b) (6) . The Institutional Officer and IACUC Chair were notified.

2. Facility or Animal Location:

Feedlot, pen

3. Date of the Observation of the event or incident:

9/20/19-two newly weaned calves found dead in large feedlot pen. Two additional calves were later identified and treated from the same pen. It was determined the injuries to all four calves likely occurred at the same time.

4. IACUC Projects related to this form: none.

5. Describe the event or incident:

Calves were frightened and stampeded in the night causing the injuries. The cause of the incident is unknown.

6. Was animal death observed or were dead animals present?

Two calves found pen dead. (b)(5) - Deliberative

(b)(5) - Deliberative

Two calves from same pen were found with injuries in days following and treated. (b)(5) -

(b)(5) - Deliberative

7. Who was contacted to assist with the adverse event?

Attending veterinarian.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

A large black rectangular redaction box covering the content of the first question.

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

A large black rectangular redaction box covering the content of the second question.

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6) The Institutional Official and the IACUC Chair were informed.

2. Facility or Animal Location:

Trailer loading at (b) (6)

3. Date of the Observation of the event or incident:

October 4, 2019

4. IACUC Projects related to this form: EO 54. Identified as cull cow.

5. Describe the event or incident: Cow slipped on cement prior to loading onto trailer and became splay legged, unable to get up. Previous history of post-partum paralysis that was slowly responsive.

6. Was animal death observed or were dead animals present?

Cow was unable to get back up. (b)(5) - Deliberative

7. Who was contacted to assist with the adverse event?

Attending veterinarian contacted by livestock operations manager (b)(5) - Deliberative
(b)(5) - Deliberative

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6). Institutional Officer and IACUC Chair were notified.

2. Facility or Animal Location:

Feedlot, area (b) (6)

3. Date of the Observation of the event or incident:

October 10, 2019

4. IACUC Projects related to this form: EO 54 and EO 38.2.

5. Describe the event or incident: Calf was in holding facility to be processed for weaning. Calf hit the gate while being moved to the processing facility for weaning.

6. Was animal death observed or were dead animals present?

Calf had fracture of right rear proximal tibia. (b)(5) - Deliberative

7. Who was contacted to assist with the adverse event?

Attending veterinarian contacted, (b)(5) - Deliberative

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6) .
Institutional Officer and IACUC Chair were contacted.

2. Facility or Animal Location:

Swine, buildings (b) (6) and (b) (6)

3. Date of the Observation of the event or incident:

October 19-20, 2019

4. IACUC Projects related to this form: 201909348EO #113. 201910186 no outline assigned.

5. Describe the event or incident: Two pigs were not treated as recommended (b)(5) -

(b)(5) - Deliberative

(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

No animal deaths occurred.

7. Who was contacted to assist with the adverse event?

Attending veterinarian contacted.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

USMARC Unexpected Outcome Report Form for Approved Animal Protocols

1. Contact Submission Information:

Form was submitted by the Attending Veterinarian. Animal ID: (b) (6). The Institutional Officer and the IACUC Chair were contacted.

2. Facility or Animal Location:

PS (b) (6)

3. Date of the Observation of the event or incident:

October 23, 2019

4. IACUC Projects related to this form: EO #54

5. **Describe the event or incident:** During one routine processing event two animals were injured. Calf ID (b) (6) had head caught in the back of the chute during routine processing pre-breeding. Animal was released but died shortly after removed from chute. Another calf received a fracture to one of its front leg when bringing to barn for processing. (b)(5) - Deliberative

(b)(5) - Deliberative

6. Was animal death observed or were dead animals present?

One animal died from trauma.

7. Who was contacted to assist with the adverse event?

On call veterinarian contacted.

8. Describe what measures were undertaken to minimize impact on animals.

(b)(5) - Deliberative

9. Describe what measures will be undertaken after the event to minimize the likelihood of reoccurrence.

(b)(5) - Deliberative

