

by having an awareness of commonly occurring flood related diseases, adequate veterinary resources, and early recognition and treatment will result in a more positive outcome.

*Prehosp Disaster Med* 2017;32(Suppl. 1):s241-s242  
doi:10.1017/S1049023X17006173

### Goat Evacuations During the 2012 Oklahoma Wildfires

Tamara Gull<sup>1</sup>, Dana Greene<sup>2</sup>

1. Veterinary Pathobiology, Oklahoma State University, Stillwater/OK/United States of America
2. University of North Carolina, Chapel Hill, Apex/NC/United States of America

**Study/Objective:** Evaluate Goat Owners' Responses to a Wildfire Threat with regard to Shelter-In-Place vs Evacuation Decision-Making.

**Background:** Much of Oklahoma's economy is dependent on animal agriculture; Oklahoma also suffers disasters such as wildfires. Livestock are at-risk from disasters, such as a wildfire, because numbers, dispersal, and handling requirements make movement from a threatened area difficult. In disasters, a typical response of livestock owners is to choose between shelter-in-place or cutting fence to turn them loose. In 2012, a group of goat owners were able to arrange successful ad hoc evacuation of goats from wildfire-threatened farms.

**Methods:** Using a triangulated research design of in-depth interviews, observations, documents, spatial mapping, and visual data, we gathered information from affected counties. We focused on variables that influenced the ability to evacuate goats vs shelter-in-place, such as the availability of transportation resources, an evacuation location, assistance with animal handling, the size of the herd, dispersal (pastured vs penned/stabled), and the rapidity of wildfire onset.

**Results:** In all, 470 goats were evacuated. Some goats suffered injuries and were treated post-evacuation. The average evacuation distance was 15 miles. The majority of evacuation coordination and resource-sharing occurred via social media and cell phones. Residents worked hard to evacuate animals threatened by wildfire, but ran into difficulties in transporting large numbers of livestock to safety, particularly with regard to dispersal and trailer availability.

**Conclusion:** Our findings emphasized the necessity for emergency plans to include safeguarding livestock. As social networks were found crucial in successful animal movement, such networks should be mobilized as a means of developing and testing evacuation plans for livestock. Animal owners should create and practice an animal evacuation plan, and permanently identify their animals. Finally, we recommend that owners have a priority list for evacuation. We have also identified avenues requiring further investigation, including highlighting goat-specific concerns during and following wildfires.

*Prehosp Disaster Med* 2017;32(Suppl. 1):s242  
doi:10.1017/S1049023X17006185

### Emergent Planning for the Veterinary Care and Short-Term Housing of Companion Animals Evacuated due to a Wildfire in Alberta, Canada

Cary Hashizume<sup>1</sup>, Phil Buote<sup>2</sup>

1. Calgary Animal Referral and Emergency Centre Animal Hospital, Calgary, Alberta/AB/Canada

2. Alberta Veterinary Medical Association, Edmonton, Alberta/AB/Canada

**Study/Objective:** This case study describes emergent planning for the veterinary care and short-term housing of companion animals evacuated due to a wildfire.

**Background:** In response to a wildfire, 88,000 residents of Fort McMurray, Alberta, Canada were evacuated from their homes. The short-notice evacuation and immediate threat of fire prevented many residents from retrieving companion animals before leaving the city. Measures for interim animal care, including shelter in place, retrieval from homes, examination by a veterinary professional, and staging at a local facility were instituted. Animals were then to be transported to the nearest metropolitan center for temporary housing. Representatives from the government of Alberta, the Alberta Society for the Prevention of Cruelty to Animals, and the Alberta Veterinary Medical Association were called upon to plan and implement solutions for veterinary care and short-term housing of animals in Edmonton, Alberta.

**Methods:** Over the course of one weekend, organizations worked collaboratively to secure and establish a facility, equipment, supplies, veterinary professionals and auxiliary volunteers. With the assistance of a commercial realtor, a vacant warehouse was chosen as a suitable facility. A local registered charity that offers animal wellness services to First Nations communities, provided support with experienced personnel, equipment, and supplies. Protocols for animal intake, triage, housing, veterinary care, and treatment of sick and injured animals were created. Roles for veterinarians and veterinary technologists were defined. Medical records, including examination, treatment, and housing forms were developed. In order to provide continuous oversight of all aspects of animal care, requests for volunteer veterinarians and veterinary technologists were disseminated.

**Results:** Within 56 hours of request, and without a prior plan or a secure source of supplies or equipment, the short-term housing facility was operational and received the first intake of animals.

**Conclusion:** Over an 11-day period, 1,192 animals were examined, provided with medical treatment as necessary, and housed.

*Prehosp Disaster Med* 2017;32(Suppl. 1):s242  
doi:10.1017/S1049023X17006197

### A Risk Based Algorithm for Managing the Companion Animals of Medically Vulnerable Disaster Evacuees

Charlotte Spires

Office Of Policy And Planning, HHS/OS/ASPR, district of columbia/DC/United States of America

**Study/Objective:** This presentation describes a risk-based algorithm for managing the companion animals that present at a shelter of convenience with their medically or mentally impaired owners. A case study will be presented implementing this algorithm for the evacuees of Hurricane Ike to College Station, Texas in 2008.

**Background:** Special medical needs patients with pets present unique challenges when they are evacuated in disasters. The human animal bond is critical to these individuals who are often