

Large Animal Technical Rescue

Safety and Success Through Prevention, Preparedness, and Partnerships

Instructors: Justin and Tori McLeod of 4Hooves Large Animal Services, LLC
(919) 201-6789 / (910) 494-8210 www.4HoovesSMART.com

This course is essential for any emergency services responder, veterinary professional, animal control officer, emergency management agency, equine or livestock owner or industry professional, animal welfare organization, zoo or exotic animal park staff, or anyone with a vested interest and interaction with large animals. Even if you have attended a Large Animal Technical Rescue course in the past, we highly recommend attending another course to stay current with the most recent updates to applicable standards and protocols, advancements to equipment due to ongoing research and development, and changes to techniques used to make the rescue operation safer, quicker, and easier overall lessening the risk of iatrogenic injury or death to the animal or human rescuer. Everyone either resides or travels where large animals of various types are located, where livestock trailers share the roadways, where equine and livestock farms and facilities are located, where there is potential for natural disasters to cause incidents involving large animals, and so on. Although the focus of this training course is on large animal rescue operations, it also includes aspects of companion animal (dog and cat) rescue in accordance with the National Fire Protection Association (NFPA) standards and FEMA Resource Typing for emergency response teams. If this describes you or an agency, organization, business, or department that you are associated with, then you shouldn't miss out on this valuable training opportunity.

Animal emergencies are known for becoming human emergencies, especially if emergency responders or veterinary professionals are unable to respond or unable to affect a rescue due to lack of proper equipment or training. Once an emotional owner, "Good Samaritan", or "social media responder" with little to no training attempt a rescue, they often unintentionally become a victim requiring assistance from emergency services and further compromising the animal even further by delaying its rescue. Either way, the animal will need to be rescued... the question that remains is "Are you or the agency, organization, business, or department prepared to handle the rescue operation safely, efficiently, and successfully?" This course will provide an educational and interactive approach to basic on-hand and specialized equipment, simple to complex techniques, and safety considerations to prepare the individual rescuer for the unexpected, therefore increasing the chances of a successful outcome and decreasing the risk of iatrogenic injury or death of the animal victim, rescuers, or bystanders.

Topics will include but not limited to: Animal Behavior (large animal and companion animal), Safety Considerations, Handling and Restraint (large animal and companion animal), Containment, Entrapments, Motor Vehicle Accidents and Overturned Trailers, Barn and Wildfires, Unstable Ground (mud, trench, ice, etc.) Incidents, Water Rescues, Natural Disaster Preparation and Response, Hazardous Materials Decontamination, etc. Course content will consist of audiovisual lectures, demonstrations, and hands-on practical exercises. Currently, this is not a recognized certification course per NFPA or AVMA standards, however portions of this course coincide with aspects of the NFPA standards 1670, 150, 1006, 1952, and 1983. *NFPA 1670 (Animal Technical Rescue for Awareness, Operations, and Technician Levels) - NFPA 150 (Fire and Life Safety in Animal Housing Facilities) - NFPA 1006 (Technical Rescue Personnel Professional Qualifications) – NFPA 1952 (Surface Water Operations and Protective Clothing and Equipment) – NFPA 1983 (Life Safety Rope and Equipment for Emergency Services)* and FEMA Resource Typing for Animal Rescue Technicians and Teams.

We highly recommend that the course attendants be a mixture of fire/rescue personnel, veterinary professionals, and animal control officers as those are the people who will most likely be involved as a "team" on a large animal

related incident. There is no better time than training to network and learn to work together as a cohesive team. There will be times when the fire/rescue side of a rescue operation may negate something that the veterinarian or animal control wants to do due to safety concerns, but there are also times when the veterinarian will need to safely access a part of the animal to sedate or anesthetize to make it safer for the responders to perform the rescue. The efficiency, timing, and physical performance of tasks all play a crucial role in a successful rescue operation.

Upon request, a Certificate of Completion can be provided to each student based on their participation level in the course. This course typically meets all criteria for continuing educations credits with State Veterinary Medical Boards, local fire rescue departments, and educational institutions. Continuing education credits are requested and managed by the course coordinator, not the instructors. The course syllabus usually suffices for documentation of the course content. Upon request, a template for the Certificate will be provided to the course coordinator for print prior to the course, certificates are not valid without Instructor(s) signatures.

Instructor Bio

North Carolina Specialized Mobile Animal Rescue Team (NC SMART) is primarily the large animal technical emergency rescue response and training component of 4Hooves Large Animal Services, LLC, a company founded, owned and operated by Justin and Tori McLeod of Spring Lake, North Carolina. NC SMART is a large animal technical rescue response team consisting of highly trained and experienced responders that are able to respond to emergency incidents in North Carolina and surrounding states with a cache of specialized equipment to assist with the rescue or recovery of large animals (specifically equines and livestock). We are capable of providing assistance and advice on a case by case basis over the phone if we are unable to respond to your request for service. In addition, 4Hooves Large Animal Services, LLC provides customized Large Animal Technical Emergency Rescue training courses to emergency responders, veterinary professionals, equine and livestock owners and facility operators, animal control agencies, transporters, animal rescue organizations, and other interested individuals upon request and scheduling. This specialized training is becoming highly recognized and mandated within the emergency services and veterinary fields.

Justin and Tori McLeod have received extensive training, certification, and accreditation through Technical Large Animal Emergency Rescue, Inc. (TLAER, Inc.), as well as Animal Search and Rescue (ASAR) Training, Code 3 Associates, University of Florida Large Animal Technical Rescue program, and the American Society for the Prevention of Cruelty to Animals Field Investigation Response online training programs. Currently, they are both Assistant Instructors under TLAER, Inc. for training courses throughout the United States and Canada. They are members of the North Carolina State Animal Response Team (SART) and are on the North Carolina Department of Agriculture resource list for response to large scale or natural disaster rescue and recovery operations. With over 15 years of large animal rescue training and rescue operation experience, NC SMART™ takes pride in being one of the most highly skilled and educated large animal technical rescue resources on the east coast.

NC SMART started offering an introductory course in 2010 through a local community college system for fire and rescue departments and through third party private contract for other business entities. Over the years we have developed several training programs that can be customized to the needs of the target audience. Topics covered in the training programs include, but not limited to, Incident Management, Resource Allocation, Large Animal Behavior and Handling, Safety Considerations, Basic Webbing Manipulations, Simple Vertical Lift Techniques, Mud/Water/Trench/Ice Rescue Considerations, Barn / Wild Fire Incidents, Transport (Trailer) Accidents, Natural Disaster Preparation and Response, Specialty and Multiple Use Equipment, Preparedness and Prevention Fundamentals, and Basic First Aid. We provide training courses all over the United States, primarily on the east coast, with the help of our team of highly

skilled Assistant Instructors who also have experience in large and small animal rescue, emergency services, animal control, and the veterinary industry.

TORI McLEOD - Owner / Operator

Tori has owned and managed horses and some livestock for over 35 years. She recently stepped down from her career as a 911 Emergency Telecommunicator at the rank of Captain and title of Training Specialist for a multi-agency Public Safety Emergency Communications Center. She is a co-owner / operator of 4Hooves Large Animal Services, LLC (Divisions of the company are 4Hooves Equine Services, North Carolina Specialized Mobile Animal Rescue Team, and North Carolina Equine Assistance and Specialized Transport), Executive Director of Sandhills Horse Rescue (a non-profit equine rescue organization), a certified Criminal Justice General Instructor with the North Carolina Sheriffs Training and Standards Division, a fire services educator, an Assistant Instructor for Technical Large Animal Emergency Rescue, Inc. (www.tlaer.org), a response partner with the ASPCA's National Field Investigations Response Team, a NC REINS (North Carolina Regional Equine Information Network System) educator, Equine Cruelty Investigations course instructor, and a Natural Horsemanship enthusiast. Tori has been obtaining continuing education in and instructing Large Animal Technical Rescue since 2001. She previously spent several years as a small and large animal veterinary technician, equine facility manager, and Emergency Medical Technician - Paramedic and volunteer with a local fire / rescue department. Tori has since continued her continuing education in fire and rescue related topics and strives to improve the large animal rescue protocols and techniques based on updated education and training within the parameters of the guidelines established. She is also heavily involved in designing, revising, and updating large animal rescue specialized equipment through research and development sessions with a few reputable large animal rescue equipment companies.

JUSTIN McLEOD - Owner / Operator

Justin met Tori in 2006. Having spent most of his life involved in the fire / rescue and emergency medical services, he was also interested in livestock management, particularly with horses and cattle, so when they met they not only formed a relationship but started a partnership focusing on Large Animal Rescue Training courses and equine related services. Justin is currently a career Lieutenant, Rescue Technician, and Emergency Medical Technician with a large county fire / rescue department and volunteers with other local fire / rescue departments. Justin holds the same positions and titles as Tori within the TLAER, Inc. and ASPCA organizations and is the current Board of Directors President for Sandhills Horse Rescue. He has been training and instructing within the specialty of Large Animal Technical Rescue since 2006 and has numerous certifications in all aspects of the Fire / Rescue Service, to include being a fire services educator. Justin is actively involved in the advancement of Large Animal Rescue techniques, methodologies, and equipment through research and development as well as forming professional relationships with other large animal rescue teams and industry professionals.

Contact Justin or Tori McLeod with any questions or for additional information pertaining to course setup, logistics, associated costs, and other course coordinator / host information.

www.4HoovesSMART.com

Justin McLeod (919) 201-6789 Tori McLeod (910) 494-8210 NC4HLAS@gmail.com

Instructor CV available upon request.

Proof of Commercial Liability and Professional Liability Insurance available upon request.

Training Course Expense Estimates

A non-refundable deposit of half of the total fee due must be paid no later than 60 days prior to the training date with the balance due to be paid no later than the first day of training. If the course is coordinated and scheduled less than 60 days from the training date, a non-refundable deposit of half of the total fee is due upon scheduling the course with

the balance due to be paid no later than the first day of training. If the course is facilitated through a Community College or government agency that handles accounts payable at the end of the month or in 30-days from invoice, arrangements for payment will need to be approved prior to the course being scheduled. All checks should be made payable to "4Hooves Large Animal Services, LLC" and indicate the course dates and location on the memo line. If a W-9 or other tax form is required, please email a request for the form and indicate the recipient contact information in the email. All fees are non-refundable unless the course is cancelled by the instructors for reasons not related to coordinator/host responsibilities, attendance, or other logistics. Discounts may be applied at the discretion of Justin and Tori McLeod based on overall course logistics, etc. This course can be funded partially or entirely by individual departments or organizations, multiple departments or organizations, sponsors, grants, equine and livestock organizations, city/county/state agencies, etc. We can be paid with one check or multiple checks as long as the total amount paid matches the total amount due.

Course Logistics (provided by course coordinator / host)

The following will be required for the 16-Hour and 24-Hour course layouts:

- There will be a PDF file (4HLAS LAR Course Student Info and Syllabus) emailed directly to the course coordinator. It is requested and highly recommended that this PDF file be emailed to the course attendees (students) as they register for the course. This document will have information pertaining to the course, recommended pre-course training, and what they should bring, etc. Course attendees are responsible for being prepared for the course and having the necessary personal attire and equipment. The course coordinator is responsible for making sure this information is shared with the course attendees (students).
- Meals for lunch provided at the classroom site for students and instructors as the audio/visual presentation continues through lunch. The meals can be paid for or supplied by sponsors, paid for by the course coordinator and included in the student registration fee, be paid for by the students on-site, or however else the coordinator wishes to make a classroom lunch possible.
- Safe and secure area, at the outdoor training area, to unhook and leave a 30-foot gooseneck enclosed trailer and a 40-foot gooseneck enclosed trailer (if demo-horses are transported by instructors). We would prefer not to have to haul our trailers everywhere we travel during the course dates, however if there is no acceptable location available we are capable of commuting with the trailer if there is no other option.
- Classroom – Area large enough to comfortably accommodate the number of students. Heated and/or Air-Conditioned environment is required (large fans or blowers are not acceptable due to the ambient noise making it difficult for students and instructors to hear each other or the audio from the presentation). If heat and/or air-conditioning is not available at the classroom location, depending on the time of the year and the weather a covered, well-ventilated area maybe acceptable (discuss classroom options with the instructors prior to the class date). Audio/Visual equipment set up or a place to set up equipment provided by the instructors. Area needs to be able to be darkened for better visual (PowerPoint) presentation quality. Can be inside an emergency services building, college classroom/auditorium, barn or equine/livestock facility, etc.
- Outdoor Containment area – Area large enough to accommodate at least 5-10 students in the containment area at one time with at least 2-3 large animals (horses, cows, llamas, etc.) moving around for evaluation of animal behavior, animal handling skills practicum, and capture and containment exercises. Preferably wood, vinyl, or metal perimeter fencing (corral panel enclosure acceptable) and covered or enclosed in case of inclement weather if possible. It is important to try to keep the classroom location close to the outdoor training area location to lessen the commute time or walking distance for students. If a commute from the classroom location to the outdoor training area is required, additional time maybe added to the training day to compensate for time lost commuting.
- Live Large Animal(s) – 1-3 large animals. Preferably horses, but other easily handled livestock can be utilized for most of the live animal training. Animals should behave calmly in crowds, have no known vices or

dangerous propensities, be easily handled, and be in good health and body condition. NO STALLIONS, MARES WITH FOALS, COWS WITH CALVES, OR BULLS! Remember, some of the students may have never handled livestock before and some maybe timid and hesitant to handle livestock, therefore we would prefer they have a good training experience and stay as safe as possible during the training course. The live animals will not be laid down or entrapped in any way and will only be utilized for handling, restraint, capture, containment, and standing webbing applications. The instructors will provide a life-like training mannequin for the more technical parts of the training course.

- Heavy Equipment (i.e. backhoe, excavator, large tractor, all-terrain forklift, etc.) – Capable of digging the mud hole then adding dirt back in the hole once the training mannequin is in place. Capable of lifting the training mannequin from applicable scenarios as necessary. It is preferred if the heavy equipment is on-site for the duration of the course to assist with staging equipment, relocation of training mannequin, scenario set-up, and rescue operations.
- Fire Apparatus (as applicable based on training scenarios) – One unit capable of holding or shuttling enough water to add to the mud hole and clean off equipment and the training mannequin after the mud rescue scenario. One unit capable of charging and manning a hose-line during the trailer incident scenario if cutting or other extrication equipment is utilized during the rescue operation.

The following may be required for the 16-Hour and 24-Hour course layouts depending on the practical exercises selected. Typically 2-Day courses include 2, possibly 3 scenarios, and 3-Day courses include 4, possibly 5 or more scenarios. Scenarios used for hands-on training will be dependent on the logistics available:

- Mud Hole – Hole should be approximately 10ft long x 6-8ft wide x 5-6ft deep. Hole will be left empty until arrival of training mannequin then will be filled with dirt and water to simulate a large animal stuck in mud for extrication training. This area is typically prepped after class on the day before the mud rescue scenario (for example: Mud Rescue Scenario is scheduled for Saturday... Mud Hole is prepped with training horse in place on Friday when class is over and remains overnight to let the mud settle. Heavy equipment to lift the mannequin and fill-in the hole and at least 1000 gallons of water will be needed).
- Unstable Ground area – Trench / Ravine / Ditch. The training mannequin will be placed in the unstable ground area to simulate an entrapment requiring extrication of the large animal. Hole can be the same dimensions as the mud hole as the same hole can be used for both exercises if logistics, set-up, and time permit. If there is an established drainage ditch, low-ground area, or stable ravine those areas can be utilized as well if necessary.
- Barn (for Cast Horse / Stall Entrapment and other Entrapment scenarios) – Barn area with stalls. Preferably with solid or semi-solid stall walls and doors. Exterior and interior windows are acceptable. Corral panel stalls can be used for this scenario but are not ideal.
- Horse / Livestock Trailer – Junk trailer preferred, however an “in-use” trailer is acceptable. Can be large or small but prefer a smaller (2-3 horse model) if available. If the trailer is in current use, the trailer will remain upright and will not be deconstructed or damaged during the training scenario. If the trailer is a “junk” trailer, it will either remain upright or will be overturned by a team using straps and mechanical advantage or heavy equipment and the training mannequin will be placed inside to simulate a trailer incident requiring extrication of the large animal victim. If it is a “junk trailer”, the extrication of the training mannequin can be performed with the assistance of heavy rescue equipment (spreaders, cutters, rams, chisels, saws, etc.) provided by the local fire / rescue department in attendance at the course if available. Clean up of any debris or parts will be the responsibility of the course coordinator / host to arrange at no additional cost to 4Hooves Large Animal Services, LLC. If it is not a junk trailer, the trailer will remain upright and the mannequin will be positioned inside the trailer to be extricated by the students.

- Barn (for Fire Response and Evacuation scenario) – Barn with fully enclosed stalls and wide ingress/egress. Preferably with attached paddock or pasture areas. Must be a barn that is enclosed and not open in design and construction, with exterior doors and windows that close (or can be blocked off), so that the simulated non-caustic “smoke” vapor remains inside the structure to simulate a barn fire for the evacuation and response section of the course. Live animals, preferably horses, and people will be used as victims for this exercise. Certified firefighters are welcome and encouraged to bring their turnout gear and SCBAs to use during this evolution if they want to participate and make this training exercise more realistic and for the purposes of observing animal behavior, approach, and handling during the evacuation.

What students should bring to the course...

The course coordinator / host will be provided a PDF document via email to forward to all students entailing what they should bring to the course, the course syllabus and tentative schedule, as well as other important information. It is the course coordinator's / host's responsibility to forward this document and information to the students prior to the course date.

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General (All Students):

- Pen – Paper or Computer Device for note-taking (course manuals may or may not be provided)
- Camera (optional)
- Water / Snacks
- Flashlight (if portions of the course will be conducted at after dark)
- Weather Appropriate Clothing (class will not be cancelled or postponed for rain, snow, ice, heat)
- Sunscreen / Insect Repellent
- No Open Toe Shoes (Boots or shoes similar in structure preferred)

Hands-On Participants Only:

Required Attire or Equipment:

- Boots or shoes similar in safety and structure
- Helmet (Fire / Rescue, Sports, Construction, Riding, Bicycle, etc.)
- Gloves
- Heavy Duty, Well-made Belt

Additional Recommended Attire or Equipment (Optional):

- Safety Glasses / Eye Protection

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- Pocket Knife
- Protective Vest / Chest Protector (Optional - bullet-proof duty vest, eventing/riding vest, sports padding, etc.)
- Fire / Rescue personnel can bring turnout gear and SCBA for realistic participation in the Barn Fire and appropriate PPE / gear for trailer extrication and other technical rescue scenarios

Course Duration Options

16 hours (2 days) – Audio/Visual Presentation, Tabletop Exercises, and Practical (Hands-On) Exercises
Two - Three Practical Exercises (if logistics, set-up, and time permit)
No minimum number of students.

Maximum of 40 “hands-on” students. No maximum number of “auditing / observing” students.

24 hours (3 days) – ***MOST PREFERRED COURSE FOR EDUCATIONAL AND HANDS-ON TRAINING VALUE***
ONLY OPTION THAT MEETS CRITERIA OF NFPA AND RESOURCE TYPING STANDARDS
Audio/Visual Presentation and Practical (Hands-On) Exercises (if equipment is available)

Four to Five Practical Exercises (if logistics, set-up, and time permit)

No minimum number of students.

Maximum of 40 "hands-on" students. No maximum number of "auditing / observing" students.

Tentative Schedule Layout for the 16 Hours (2 Days) LAR Training Course

Times are approximate and may not end exactly on the hour. Class will start promptly at 08:00. There is a lot of information to cover in a limited amount of time, so timeliness is essential. If a student needs to leave at 5:00PM / 6:00PM and training is not complete for the day, the student may be excused at that time if necessary. Class may extend beyond 5:00PM / 6:00PM depending on scenarios.

Day 1

Morning 08:00 - 12:00: Power Point Presentation and Discussion (Classroom Location)

Lunch 12:00 - 1:00 (Presentation will continue through lunch in the classroom)

Afternoon 1:00 - 5:00/6:00 Hands-On Practical Exercises and Scenario Training (Outdoor Location)

Capture, Handling, Containment (if possible)

Webbing Manipulations

Rescue Glide Application and Relocation

Sling Lift (if possible)

Selection of One of the below (depending on logistics, set-up, and time permitted):

- Confined Space Entrapment Scenario (if possible)
- Trench / Ravine Scenario (if possible)
- Remote Location Incident Scenario (if possible)

Day 2

Morning 08:00-12:00: Power Point Presentation and Discussion

Lunch 12:00-1:00 (Presentation will continue through lunch in the classroom)

Afternoon 1:00-5:00/6:00 Hands-On Practical Exercises and Scenario Training (Outdoor Location)

Selection of Two (depending on logistics, set-up, and time permitted):

- Mud Rescue Scenario (if possible)
- Trailer Incident Scenario (if possible)
- Barn Fire Scenario (if possible)

Contact Justin or Tori McLeod to discuss different Schedule Layout options if necessary

Tentative Schedule Layout for the 24 Hours (3 Days) LAR Training Course

Times are approximate and may not end exactly on the hour. Class will start promptly at 08:00. There is a lot of information to cover in a limited amount of time, so timeliness is essential. If a student needs to leave at 5:00PM / 6:00PM and training is not complete for the day, the student may be excused at that time if necessary. Class may extend beyond 5:00PM / 6:00PM depending on scenarios.

Day 1

Morning 08:00 - 12:00: Power Point Presentation and Discussion (Classroom Location)

Lunch 12:00 - 1:00 (Presentation will continue through lunch in the classroom)

Afternoon 1:00 - 5:00/6:00 Hands-On Practical Exercises and Scenario Training (Outdoor Location)

- Capture, Handling, Containment (if possible)
- Webbing Manipulations
- Rescue Glide Application and Relocation
- Confine Space Entrapment Scenario (if possible)
- Sling Lift (if possible – using heavy equipment or if Bipod/Tripod system if students are primarily FF/TR)

Day 2

Morning 08:00-12:00: Power Point Presentation and Discussion

Lunch 12:00-1:00 (Presentation will continue through lunch in the classroom)

Afternoon 1:00-5:00/6:00 Hands-On Practical Exercises and Scenario Training (Outdoor Location)

- Trench / Ravine Scenario (if possible)
- Trailer Incident Scenario (if possible)
- Remote Location Incident Scenario (if possible)

(OPTIONAL – Confirm with instructors upon scheduling) Night 7:00 – 9:00 Reality Based Incident Response and Rescue Operation (usually a trailer incident, complex entrapment, or a remote location incident)

Day 3

Morning 08:00-12:00 Power Point Presentation and Discussion (Classroom Location)

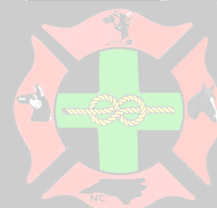
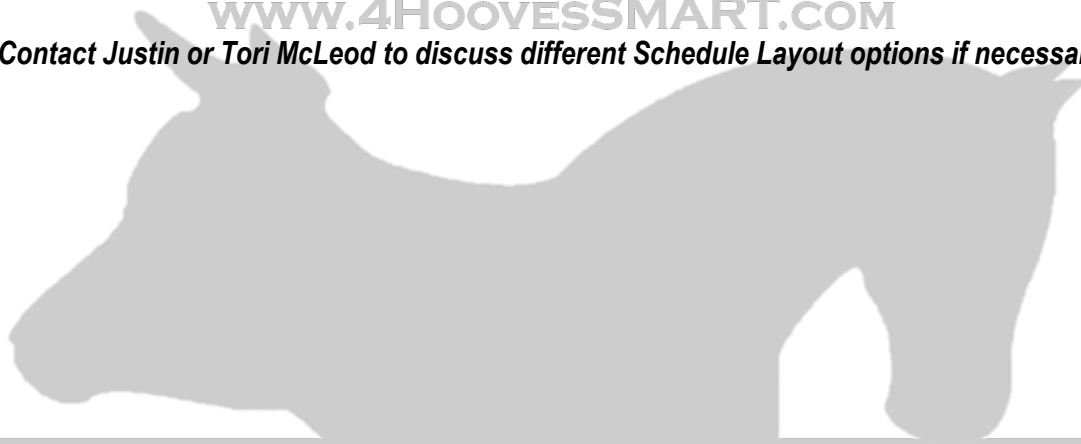
Lunch 12:00-1:00 (Presentation will continue through lunch in the classroom)

Afternoon 1:00-5:00/6:00 Hands-On Practical Exercises and Scenario Training (Outdoor Location)

- Mud Rescue Scenario (if possible)
- Barn Fire Scenario (if possible)

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4HOOVES FARM EQUINE SERVICES NORTH CAROLINA SPECIALIZED MOBILE ANIMAL RESCUE TEAM



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EMERGENCY AND NON-EMERGENCY EQUINE AND LIVESTOCK SERVICES

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P.O. BOX 903 SPRING LAKE, NORTH CAROLINA
www.4HOOVESSMART.COM

Large Animal Technical Rescue – Course Syllabus

A. Introduction

B. Disclosure

C. LAR Basics

1. NFPA Definitions
2. Scope of LAR Responder
3. NFPA 1670
4. High Risk, Low Frequency
5. 911 Call Process
6. Incident Command System
 - Incident Commander
 - Operations
 - Safety Officer
7. Identification
8. Responder Roles
 - Emergency Responders
 - Veterinarians
 - Animal Owners
9. LAR Go-Bag
10. Human to Animal Bond
11. Social, Political, and Public Safety Issues
12. Personal Protective Equipment
13. Rescue vs Recovery
14. Post-Rescue Medical Care and Animal Welfare
15. Resource List
16. Incident Action Plan
17. Self-Rescue Options
18. Animal Anatomy and Behavior
19. Emergency Preparedness Training Considerations for Animals
20. Safety and Risk Assessment
21. Loose Animal Considerations
22. Approach and Capture / Contain
23. Animal Handling
24. Emergency Rope Halter
25. Physical Restraint Methods
26. Chemical Restraint Options
27. Herding Considerations
28. Emergency Containment Options
29. Chemical Immobilization
30. Danger Zones

31. Recovery Positions

32. Eye Protection

33. Positioning of Personnel

34. LAR Equipment

35. Ropes and Rigging – NFPA 1983

36. Winches vs. Mechanical Advantage

37. Glide / Large Animal Skids

38. Webbing Applications

→ Landmarks

→ Manipulation Considerations

→ Flossing

→ Forward Assist

→ Forward Drag

→ Backwards Assist

→ Backwards Drag

→ Sideways Assist

→ Sideways Drag

→ Rolling (Cast Animal)

→ Winches vs. Mechanical Advantage

→ Slings

→ Vertical Drags and Vertical Lifts

→ Vertical Drag/Lift Considerations

39. Equine Ambulances

40. Companion Animal Considerations

D. Common Incidents and Entrapments

1. Entrapment Considerations

2. Remote Location Incidents

3. Public Events / Competitions

E. Hazardous Materials Incidents and Decontamination

1. Zones

2. Process

3. Decontamination Guideline (SOG)

4. Decontamination Line

5. Types of LAR HazMat Incidents

F. Trailer Safety and Transportation Incidents

1. Configurations

2. Types of Trailers

3. Animals Hauled

4. Towing Vehicle Considerations

5. Trailer Information Sticker



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6. Hitches and Couplers
7. Safety Chains / Pins
8. Emergency Brake System
9. Weight Distribution
10. Trailer Construction Considerations
 - Frame
 - Roof
 - Flooring
 - Doors
 - Chest and Butt Bars/Straps
 - Windows and Vents
 - Partitions and Dividers
 - Electrical Wiring / Lights
 - Visibility
 - Wheel Assemblies and Axels
 - Tires
 - Hazards and Obstacles
 - Trailer Camera Systems
 - Trailer Towing Considerations
 - Insulated vs Uninsulated
11. Animal Transportation Considerations
 - Loading and Unloading
 - Protective Gear
 - Restraint Considerations
 - Training Considerations
 - Safety Considerations
 - Roadside Emergencies
 - Emergency Travel Guideline
12. Commercial Transport Considerations
13. In Case of Emergency (I-C-E) Document
14. Trailer Related Incidents
 - Response Considerations
 - Scene Assessment / Size-Up
 - Extrication Considerations
 - Access Considerations
 - Confined Space Considerations
 - Secure in Place vs Relocate
 - Unloading / Loading Animals
 - Restraint and Containment
 - Medical Management
 - Secondary Considerations

G. Fire Prevention and Incident Response

1. NFPA 150 Definitions

2. NFPA 150 Facility Categories
3. Fire Components
4. Common Causes
5. Structure Types and Considerations
6. Building Construction Considerations
 - NFPA 150 – Building Construction
 - NFPA 150 – Egress Considerations
 - NFPA 150 - Hazard Classifications
 - Human Occupancy Area
7. Combustible Storage
8. Spontaneous Combustion
9. Electrical System Considerations
 - Electrical Outlets
 - Code Compliance
 - NFPA 150 – Extension Cords
 - Electrical Amperage Considerations
 - Power Source Shut-Off
 - Light and Outlet Covers
10. Wildlife Issues
11. Heating and Cooling Considerations
12. Alarms and Notification Systems
 - NFPA 150 – Smoke Alarms
 - NFPA 150 – Notification Systems
 - NFPA 150 – Disaster / Emergency Management Program
13. Sprinkler Systems
 - NFPA 150 – Sprinkler Systems
 - Sprinklers vs No-Sprinklers
14. Identification and Visibility Considerations
15. Vehicle Staging
16. Policies and Signage
17. Fire Extinguishers
 - NFPA 150 – Fire Extinguishers
 - ABC Extinguishers vs Water Extinguisher
 - PASS – Extinguisher Operation
18. NFPA 150 – Emergency Information
19. Fire Department Pre-Plan
20. Accessibility Considerations
21. Water Availability Issues
22. Water Supply Considerations
23. 911 Call and Individual Response



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24. Safety and Risk Assessment
25. Evacuation Considerations
26. Emergency Containment Options
27. Structure Fire Considerations
 - Common Causes
 - Response Timeline
 - Life Hazard (Human)
28. Trailer Fire Considerations
 - Common Causes
 - Response Considerations
29. Wildfire Considerations
 - Defensible Space
 - Evacuation Considerations
 - Sheltering Considerations
 - Accountability Considerations
 - Recovery and Disposal
30. Medical Management

H. Unstable Ground / Water / Ice Incidents

1. Mud Rescue
 - Weight Distribution
 - Equipment Options
 - Suction Considerations
 - Mud Related Incidents
2. Water Rescue
 - Sedation Considerations
 - Animal Handling in Water
 - Equipment Options
 - Water Related Incidents
3. Trench Rescue
 - Definition
 - Zones
 - Scene Control / Management
 - Trench Collapse Considerations
 - Shoring and Stabilization
 - Trench Related Incidents
4. Ice / Snow Rescue
 - Surface Ice / Snow
 - Ice Water
5. Prevention and Mitigation

I. Natural Disaster Emergency Preparedness and Response

1. Livestock Management Plan
2. Protective Gear

3. Evacuation Considerations
4. Hurricane Incidents
5. Flooding Incidents
6. Tornado Incidents
7. Blizzard Incidents
8. Identification Considerations
9. Proof of Ownership Options
10. Life Sustaining Provisions
11. Medical Provisions
12. Euthanasia / Natural Cause Death
 - Owner Identification and Notification
 - Disposal

J. Medical Management and Euthanasia

1. 3T – Triage, Treatment, and Transport
2. Medical Concerns During Rescue
3. Fluid Therapy
4. Hemorrhage
5. Injuries / Wounds
6. Edema (Swelling)
7. Deformity of Extremities (Fractures)
8. “Down” Animal
9. Vital Signs
10. Examination (Initial Assessment)
 - Respiratory (Airway / Breathing)
 - Circulation (Heart Rate)
 - Mucous Membranes
 - Capillary Refill
 - Temperature
 - Gastrointestinal
 - Skin Tent (Hydration)
11. Basic First Aid
 - Bandaging
 - Hemorrhage Control
 - Wound Irrigation
 - Splinting
12. Medical Concerns After Rescue
13. Euthanasia
 - Medical Assessment Considerations
 - Chemical Euthanasia
 - Field Euthanasia
 - Confirmation of Death
 - Relocation and Disposal



4HOOVES LARGE ANIMAL SERVICES, LLC

EMERGENCY AND NON-EMERGENCY EQUINE AND LIVESTOCK SERVICES

JUSTIN AND TORI MCLEOD (919) 201-6789 / (910) 494-8210
P.O. Box 903 SPRING LAKE, NORTH CAROLINA
www.4HOOVESSMART.COM

Hands-On Practical Evolutions (16-hours and 24-hours training course layouts only)

All outdoor training evolutions will be conducted weather permitting, rain or shine, and will only be rescheduled or cancelled due to lightning or life-threatening weather conditions.

- I. Equipment Overview
- II. Observation of Behavior
 - Low Stress
 - High Stress
- III. Catching, Containment, and Herding
 - Human Fence
 - Emergency Portable Fence
- IV. Emergency Rope Halter
- V. Handling and Restraint
 - Low Stress
 - High Stress
- VI. Ambulatory Assists (Webbing Manipulations)
- VII. Recumbent Drags (Webbing Manipulations)
- VIII. Sling Lifts (if equipment is available)
- IX. Rescue Glide (Recumbent Relocation)
- X. Training Scenario Options
 1. Confined Space Entrapment
 2. Trailer Incident Extrication (if trailer and equipment are available)
 3. Mud / Unstable Ground Rescue (if ideal location set-up and equipment are available)
 4. Trench / Ravine Rescue (if ideal location set-up and equipment are available)
 5. Remote Location Incident (if ideal location set-up and equipment are available)
 6. Barn Fire Evacuation (if ideal barn set-up is available)
 7. Fire Extinguisher Training (upon request only prior to course date – if ideal location set-up and hay bales are available)
 8. HazMat Decontamination (upon request only prior to course date - if well-behaved animals and equipment are available)