Introduction To Farm Emergencies

Module 1 Additional Slides

RURAL FIREFIGHTERS DELIVERING AGRICULTURE SAFETY & HEALTH

"Managing the Chaos"

Controlling Farm Emergency Incidents

"Rescuer Safety – Patient Care!"

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Key to a successful rescue:

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Who's in charge? Fire, Police, EMS

➢ Person in a burning car?
➢ Person on a cliff/tower?
➢ Person laying on a sidewalk?
➢ Person that has been shot?
➢ A working barn fire involving animals?
➢ A burning chemical storage facility?
➢ A person trapped under a tractor?
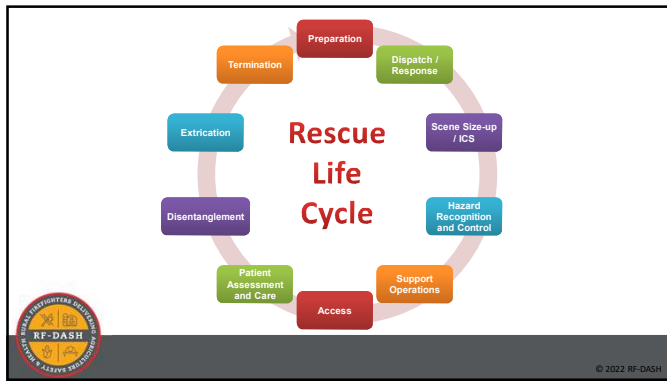
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We are trained to deal with this…

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But can we deal with this???

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Rescue Life Cycle

- Preparation
- Dispatch / Response
- Scene Size-up / ICS
- Hazard Recognition and Control
- Support Operations
- Access
- Patient Assessment and Care
- Disentanglement
- Extrication
- Termination

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1. Preparation

- Training
- Education
- Preplanning / Pre-Incident Plan
- SOP/SOG development
- Tool and equipment maintenance
- Apparatus and personnel readiness

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2. Dispatch/Response

- Getting from point A to point B in a timely, safe manner
- Most efficient route of travel, based on circumstances
- Request resources based on **effective** preparation
- On average, 20%-25% of FF LODD's occur responding to, or returning from, calls.

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3. Scene size up (situational assessment) & Incident Command

- Complete 360° scene assessment
- Designed to ID hazards and value (patients/property)
- Determines the need and urgency for support operations and/or additional resources

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4. Hazard Recognition and Control of risks

- Risk/benefit analysis
- Ability to control
- Options for Risk Mgt
  - Avoid
  - Eliminate/mitigate
  - Request tech help

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5. Support Operations

- Additional resources needed to complete the task
  - Lighting
  - Additional EMS
  - Air medical support
  - Specialty services

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6. Access

- Simple procedures work the best
- <u>Be smarter than the equipment you're dealing with!</u>
- Work from the simple to the complex
- Beware of stored energy

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7. Patient Assessment & Care

- Initiate patient assessment immediately.
- Initiate care as soon as safe to do so.
- Provide care prior to, during, and post disentanglement.
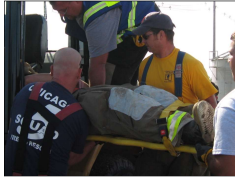
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8. Disentanglement

- Removal of entrapment from around the patient may not be possible
- Piece of machine may need to stay with patient
- Amount of disentanglement needed varies based on patient's condition
- Always have a "plan B" (and C, D, E, etc.)

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9. Extrication

- Remove the packaged patient
- Transfer the patient
- Methods employed vary depending on patient condition, position, and injuries
- Needs to be organized
- Patients don't come with handles!

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10. Termination

- Often the most overlooked phase
- Everything is returned to service
- Equipment readiness
- Scene is returned to pre-scene conditions
- Post incident review/analysis
- Critical Incident Stress Management (CISM)
- Documentation / After action report

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Whose Role?

- Hazards acknowledged - *by who*?
- Hazards controlled/mitigated - *by who*?
- Patient condition and care concerns - *by who*?
- Patient treatment - *by who*?
- Extrication concerns - *by who*?
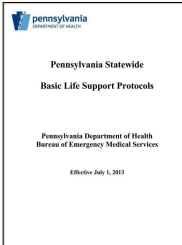- Extrication procedures - *by who*?

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Farm Accident Victim Treatment

- Trauma / Medical Protocols
- Mechanism of Injury
- High Index of Suspicion
- Golden Hour - Patient care protocols are based on our ability to get patients to definitive care within the "golden hour".

What if we can't accomplish this?

pennsylvania
DEPARTMENT OF HEALTH

Pennsylvania Statewide

Basic Life Support Protocols

Pennsylvania Department of Health
Bureau of Emergency Medical Services

Effective July 1, 2013

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Summary

- Tremendous opportunity for "unique" farm emergencies.
- Bad ones will summon emergency services.
- The expectation is things will be better as a result.
- Response to agricultural related incidents will require a multi-disciplined / multi-agency response...

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Feed/commodity storage

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Why target farms?

- **Criminal Activity –
  Agro-/Eco-Terrorism**
  - **While terrorism may not be a high priority to farmers crime prevention is.**
  - **Crime prevention = Terrorism prevention**

"**Terrorism**" versus "**Crime**"

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Farms are typically <u>**easy**</u> targets

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How could this picture be used to plot a crime against the farm?

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