GRAIN ELEVATOR

SAFETY CONCERNS

- Be aware of potential **DUST EXPLOSIONS** in confined spaces due to disturbed dust.
- Use **CAUTION** working on elevated structures, as equipment can be old and unstable.
- Consider electrical, mechanical, and gas-related hazards of confined spaces.

PRIORITY ACTIONS

- Take command, **announce** Command Post location.
- Request plant operations manager to report to the Command Post.

INVESTIGATION

- Determine the type of fire and location.
- Determine if need for rescue exists.
- Determine if fumigants and/or chemicals are present.
  - Obtain MSDS sheets

OPERATIONS

- Plan must be developed in conjunction with the plant operations manager.
- Use lockout/tagout procedures for conveyers and electrical equipment.
- Shut off fuel and power to dryer fires.
- If possible, remove burning material in non-combustible containers.
- If necessary to use a hose or fire extinguisher, set water at a **low flow** rate so as not to disturb layered dust.
- Wet down peripheral area first and gradually move to the high-heat source.
- Determine explosion potential and establish explosive perimeters.
  - Quarter mile for necessary personnel, one mile for civilians.

- Contact haz-mat if fumigant or chemicals are involved in the fire.
  - Evacuate areas nearby and downwind per DOT guidebook.
- Protect exposures.

SPECIAL CONSIDERATIONS

- **Do not disturb layered dust** in confined spaces.
- Use thermal imaging camera to assist in locating source of fire.
- Use extreme caution when opening enclosed equipment.
- CO2 may be requested through MFSA.
- Consider requesting the Rehab bus as these fires tend to be long operations.
- Consider the Technical Rescue Team if confined space rescue is needed.
- Consider oxygen deficient atmosphere in elevators or storage bins.