



Module 7: Tank Farm and Bulk Storage Fire Incidents

Objective

Upon the successful completion of this module, participants will be able to develop plans to fight or contain fires at tank farms and bulk storage facilities.

Introduction

- Departments responsible:
 - Establish extensive pre-fire plans
 - Schedule drills & walk-throughs on regular basis
- Departments *must* have good relations & cooperation with facility operators & staff
- Require special equipment & apparatus:
 - Contract outside services for incidents depending on magnitude & location
- Best defense is prevention



Tank Farm and Bulk Storage Fire Operations

- Considerations:
 - Pre-fire plans with predetermined flow rates established & reviewed regularly
 - Storage tanks containing ethanol-blended fuels identified & known by fire department personnel in advance

Tank Farm and Bulk Storage Fire Operations

- Considerations:
 - Connection locations & required pressures & flows identified on tanks provided with pre-piped foam systems
 - Fires in storage tanks where no fixed systems are available / usable or in cases where fixed systems rendered inoperable may not be extinguishable with non-fixed appliances

Preplanning

- Information gathering
- Information analysis

Summary

- Better positioned to respond if prepared in advance
- Incident plan in place & maintain good relationships with agencies that can offer support in time of crisis
- Drills / Walk-throughs essential & should be conducted on regular basis
- Sometimes all that can safely be done is contain incident & let fire run course:
 - Knowing when to let this happen is important component of safety

Activity 7.1 — Ethanol Emergency Procedures

- Purpose:
 - To allow participants to utilize all the information discussed in the course to determine the appropriate procedures for fire & non-fire ethanol emergencies.

