



Emergency System Control Plan

Tactics to Engage a SIMPLE Plan

Hazard Zone Location: _____?

Is the Leak Vapor Dense Gas Cloud or Liquid/Aerosol?

Where Is the Ammonia Leak Inside or Outside High Side or Low Side _____?

Source of Ignition:

Ammonia Levels in the Hazard Zone PPM _____ is the release Growing or Stable

Yes No - Is Ventilation available and adequate _____?

Details:

Yes No - Is the Ammonia Level growing beyond > 15,000 _____?

Details:

Yes No - Are sources of ignition disconnected or shut off _____?

Details:

Yes No - Have you identified secondary disconnects or shut off for sources of ignition _____?

Details:

Fire Control Measures (3 nearest extinguishers) _____?

Isolate and Manage Pressure:

Yes No - Can system controls be accessed outside the IDLH?

Details:

Yes No - Are trained operators using 14G cannister gas masks able to access system controls?

Details:

Yes No - Can system valves be accessed without entering the IDLH?

Details:

Yes No - What valves are located outside the hazard zone re-direct ammonia to safe storage

Details:

Yes No - Can liquid be transferred from the leak to another area of containment?

Details:

Yes No - What system operation will reduce the pressure and/or flow of Ammonia to the leak?

Details:

Yes No - If the leak cannot be controlled should the entire system be shut down?

Details:

Yes No - Is there an emergency pressure equalizer, diffuser, or vent system available?

Your Plan:



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Pressurized Ventilation:

- Yes No - Is an engineered ventilation system operational in the hazard zone ?
- Yes No - Is the engineered ventilation systems reducing the levels of ammonia vapor ?
- Yes No - If there is no engineered ventilation system are portable fans available ?
- Yes No - Are there neighbors that will be negatively impacted by ventilation vapor ?
- Yes No - Do you have a plan for setting up positive pressure ventilation with portable fans?
- Yes No - Is the Isolation Zone adequate for vented ammonia vapor exhausted ?

Your Plan:

Life Safety:

- Yes No - Are there door, window and/or roof accesses that can be used for escape?
- Yes No - Are there any rescue needs?
- Yes No - Is everyone accounted for and safely secured in the Isolation Zone
- Yes No - Is the Ammonia leaving the facility grounds?
- Yes No - Has high level off life safety issues been addressed?

Your Plan:

Emergency Response Plan/IAP:

- Yes No - Is a Can Report ready for briefing incoming public safety responders?
- Yes No - Status of ICS command team ICS forms: ICS 201 Incident Action Plan, ICS 208 safety plan, ICS 215a hazard assessment: _____

Your Plan: