# Central Energy Plant (CEP)

* Staff shall carry portable radio at all times for health, safety and well being.

# Ammonia Sensors are located in the following areas:

* Ammonia Sensor #1 - Ammonia Storage Shed
* Ammonia Sensor #2 - Chiller Plant (ceiling)
* Ammonia Sensor #3 - Heat Plant (east wall)
  - Evaluate building for this Ammonia Alarm and contact Campus Police by portable radio or cell phone.

# Ammonia Alarm Levels

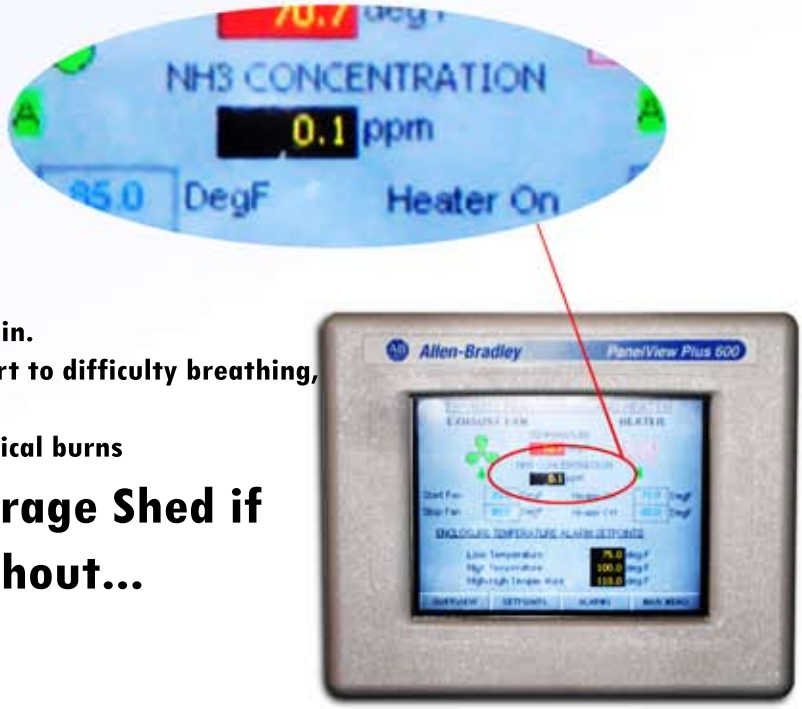
* Low (25 ppm)
  Supervisory "warning" to Fire Alarm System and Amherst College Campus Police Dispatch Center.
  (no audible or visual signals)
* High (50 ppm)
  Full Alarm to Fire Alarm System and Amherst College Campus Police Dispatch Center.
  (audible and visual alarms)

# DO NOT ENTER AREA OF AMMONIA ALARM

* Contact Amherst College Campus Police for reasons of accountability, health and safety.
  (413) 542 - 2111
* From the Control Room:
  1. turn on Exhaust Fan(s)
  2. do not open doors if monitor "in shed" indicates a level of more than 50 ppm.
* Contact Amherst College Campus Police
  (413) 542 - 2111
  * Ask the dispatcher to contact Jeffrey Isabelle and/or Rick Mears
  * If both Jeff and Rick are unavailable by portable radio, home and cell phone, then dispatch should contact;
    1. Amherst Fire Department
    2. Air Gas - Emergency Number (866) 734-3438

# Anhydrous Ammonia

* Is colorless, pungent gas with a suffocating odor.
* Will enter the body by;
  1. inhalation
  2. absorption (thru skin and eyes)
  3. ingestion
* Will adversely affect the respiratory system, eyes and skin.
  * Respiratory problems may range from mild discomfort to difficulty breathing, chest pain and potentially death.
  * Skin exposure may result in pain, frostbite and chemical burns




# Do not enter Ammonia Cylinder Storage Shed if Ammonia Level exceeds 50 ppm without...

1. Ammonia Resistant Suit
2. Appropriate Respirator with "approved" cartridges
3. Neoprene or Nitrile Gloves
4. Goggles and Face Shield

* Shut down all ammonia cylinders on the operational side of system until problem cylinder can be identified.
* After corrective action has been completed, contact the office of Environmental Health & Safety.
  * DEP / EPA notifications may be required, depending on the amount of ammonia lost.