

Module 2, Scenario 9

When maintenance workers changed a seal on a votator (a scraped surface heat exchanger) the pressure in the system went up. A safety valve vented anhydrous ammonia to the building's roof. Ventilation intakes on the building's roof spread the ammonia vapors throughout the entire building. All employees were evacuated as the maintenance workers eventually lowered the pressure to close the safety relief valve. Ammonia vapors settled into low areas around the building, overexposing nine employees. Four employees were kept overnight at the hospital. An additional employee was admitted the following day.

