

Section III – Annex 11
Emergency Equipment / Resources

6. Plant Fire Truck

The plant fire truck is a modified mini-pumper capable of delivering either water or foam. The pump is rated for 250 gpm based on NFPA testing procedures. However capacity of the pump is well above the 350 gpm rating when used in plant with 125 psig fire main pressure. When connected to the city water system (50 psig) pump output is approximately 300 gpm.

The truck has no on-board water and must be connected to a water supply (fire hydrant) before being used.

The truck has four outlets through which water can be delivered: one 1-1/2", two 2-1/2" and the fixed deck gun. It is equipped with six handline nozzles: two 2-1/2" variable stream nozzles (250 gpm), two 1-1/2" variable stream nozzles with pistol grips (125 gpm) and two 1-3/4" air aspirating foam nozzles. The two 2-1/2" outlets can be equipped with a 2-1/2" to 1-1/2" gated "Y" to provide 1-3/4" handlines.

The foam system consists of a 250 gallon stainless steel foam concentrate tank filled with AFFF alcohol resistant foam. The system has two fixed eductors: one 1-1/2", 95 gpm, eductor, one 2-1/2", 250 gpm, eductor on the right 2-1/2" outlet. The deck gun is self-educting

A reserve 150 gallon supply of foam is maintained in the fire truck shed. Including this reserve supply, the truck has the capability of producing 13,300 gallons of 3% foam solution or 6,600 gallons of 6% foam solution.

The truck carries 300 ft. of 3" hose, 400 ft. of 1-3/4" hose and 200 ft. of 2-1/2" hose. All of the hose is single jacketed with a 300 psig rating and NST threaded couplings.

A 500 gpm portable monitor set is kept in the fire truck shed.

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7. Foam Trailer

The foam trailer consists of a 300 gallon AFFF tank on a 2 wheel trailer chassis with the following accessories:

- 200' of 3" supply line (rear bed)
- 200' of 2.5" pre-connect attack line with air aspirating nozzle and pre-piped eductor (adjustable concentration)
- 150' of 1.73" pre-connect attack line with air aspirating nozzle and pre-piped eductor (adjustable concentration)
- 150' of 1.73" pre-connect attack line with air aspirating nozzle and pre-piped eductor (adjustable concentration)
- 850 gpm deck mounted master stream with self educting fog nozzle (adjustable concentration)

The foam trailer is stored in the Fire Truck Shed and is equipped with surge brakes, a 1 7/8" hitch, and can be pulled into position with the company van, rescue van or other vehicle equipped to pull a 3000# trailer. If the towing vehicle is disconnected while the trailer is in use, rear stabilizer jacks must be lowered to support the trailer.

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8. Plant Emergency Equipment Listing

Self-Contained Breathing Apparatus (SCBAs)

- Unit 258 - Control Room (3)
- Unit 266 - Control Room (4)
- Unit 267 - Control Room (3)
- West Safety Island (1)
- Unit 268 - Control Room (3)
- Unit 270 - Control Room (6)
- Unit 275 - Control Room (6)
- Unit 280 - Control Room (4)
- Unit 280 – Caustic Unloading (1)
- Unit 283 - Control Room (2)
- Unit 290 - Control Room (3)
- NC Warehouse (1)
- Fire Truck (4)
- Guard Office (2)
- Quality Control Lab (2)
- Fire Pump Building (1)
- Shop (9)
- NN Warehouse (1)
- OSS Scooter (1)
- Extra Bottles - Fire Truck Shed (15)
- Unit 266 Flare Tower (1)
- Boiler House (2)
- Pilot Plant (1)

Fire Extinguishers

125 lb. Purple K Wheeled Fire Extinguishers

- Unit 258 – 4th Level Filter Area (1)
- Unit 266 - Ground Level P₂S₅ Area (1)
- Unit 267 - 2nd Level R-125 (1)
- Unit 270 - Ground Level South Fence (1)
- Ground Level West Stairs (1)
- Third Level West (1)
- Unit 275 - Ground Level North Stairs (1)
- Second Level Filter Area (1)
- Unit 280 - Ground Level S.W. Stairs (1)
- Ground Level East Wall Dike (1)

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- Unit 283 - Ground Level South Control Room (1)
- Unit 290 – Ground Level South Control Room (1)

Chlorine "C" Kit

- In Unit 275 Dihatsu Cart 1)

Emergency "Over Pack" Drums

- Hazardous Waste Storage Area (8)

AFFF Alcohol Resistant Foam

- Plant Foam Trailer (300 gallons)
- Plant Fire Truck (250 gallons)
- Plant Fire Truck Shed (150 gallons)

HazMat Foam (Acid and Base)

- Plant Fire Truck Shed (~60 gallons)

500 GPM Portable Monitor Nozzle

- Fire Truck Shed

Neutralizing Agents

- Lime - NC Warehouse (2 pallets minimum)
- Soda Ash - NN Warehouse (1 pallet)

Foam Nozzle 1-1/2" Air Aspirating Type

- Fire Truck (5)

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9. Rescue Van

The plant rescue van is a white, late model, Ford E-150 Econoline Cargo Van. The van is usually kept in the fire truck shed. OSS and maintenance shop have keys to the van. The van is equipped with a Class III hitch and is capable of pulling both the foam trailer and the HazMat trailer. The rescue van contains the following pieces of equipment:

- Winches 4
- Anti-fall devices 2 (50 foot)
- Breathing air hoses 3 (2-50' & 1, 25')
- 2 bottle breathing air system 1
- Stokes basket 1
- Backboard 1
- Kendrick Extrication Device 1
- Sked stretcher 1
- Extrication collar 2 (tall, regular)
- Emergency oxygen bottle with mask 1
- Scott Air Pak 1
- Tripod 1
- Several body harnesses
- Several lanyards
- Slings 2', 3', 4', 5', 6', 8', 10'

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10. HAZMAT Trailer

The Hazmat trailer is a tandem axle box trailer roughly 12' by 7' by 7' high with a 1 5/16" hitch and electric brakes. The trailer is kept locked with a padlock, the keys for this lock is kept in the Off-Shift Supervisor's Office. Hitch receivers for the trailers are kept in the fire truck shed on the floor. The trailer is parked north of the Fire Truck Shed and can be pulled to the site where it is needed using the company van or rescue van. Note the rescue van is not equipped for electric trailer brakes.

- The Hazmat trailer contains supplies for response to emergency chemical releases and contains, but is not limited to the following list of items:
 - suits, gloves, hard hats and boots for response for levels "A-C"
 - Suit repair kits and suit pressure test equipment
 - Portable decon, brushes, buckets, soap and hand sprayer
 - Binoculars and reference books
 - Assorted tubing, hoses, clamps, and fittings
 - Plastic tape, aluminum tape, duct tape, Teflon tape, barricade tape
 - Folding chairs, ladder, highway cones, large tarp, 2 inflatable basins
 - Overpack drum with acid booms and pigs for non-aggressive liquids
 - Chicken wire, shovels, sledge hammer, scraper, white board w/ markers
 - Large tank patch (wrap around), patch and plug kits
 - Air tools, saws, pry bars, assorted wrenches, socket sets, screw drivers, pliers, etc.
 - Air regulator, K bottles of air (~2,500psi)
 - Cloth tool bag, rope, sheet plastic, 500 watt electric lighting, extension cords
 - Squeegee, pick axe, bolt cutters, hammers, knives, punches and chisels

This equipment is to be used by Emergency Response Team personnel to aid in mitigating a hazardous material spill or release. Additional equipment maintained in the fire truck shed for emergency response includes 6 – Scott 4.5 SCBAs, life lines and safety harnesses. A 3500 watt emergency generator is maintained outside of the Off-shift Supervisor's office.

