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IT Fire Department

James Priest, PhD, James Niehoff, & Chuck Kuhn, Fire Chief
DGS-SEE Seminar on Fire Protection for Physics Research
Facilities

7 & 8 October 2015

Pre-incident Plans Screen Shots



Pre-Incident Plan

Map Area of Interest
Receiving Warehouse # 1
Approach Map

Facility Information

FIMS: 938
Name: Warehouse #1
Address: Receiving Road
Occupancy: 5
Dimensions: 100 feet by 400 feet
Roof Type: Metal
Building Mgr.: B. Zamora

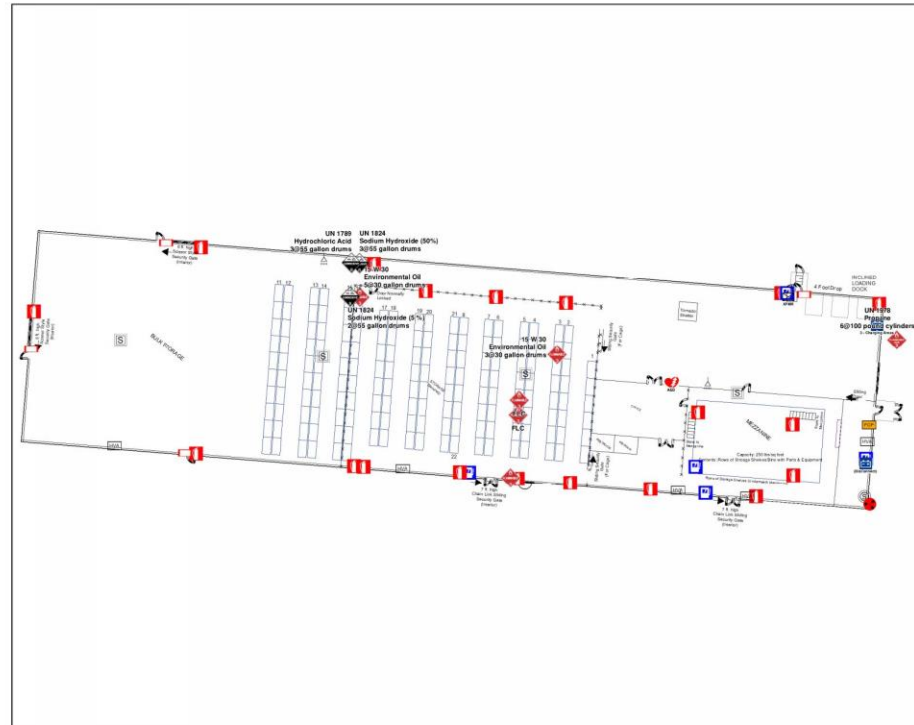
Fire Protection

- Fire Department Connection (1)
- ◆ Hydrant (2)

Hazards

- ◆ Class 2: Gas (1)

Facility Components



Pre-Incident Plan

Map Area of Interest
Receiving Warehouse # 1
Floor: Ground Floor & Exterior

Facility Information

FIMS: 938
Name: Warehouse #1
Address: Receiving Road
Occupancy: 5
Dimensions: 100 feet by 400 feet
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Fire Protection

- Fire Department Connection (1)

Hazards

- ◆ Class 2: Gas (1)
- ◆ Class 3: Flammable Liquid (5)
- ◆ Class 8: Corrosive (3)

Facility Components

- ♥ AED (1)
- 🪜 Access Ladder (1)
- 🔋 Battery Station (2)
- ⚡ Electrical Panel (5)
- 🚿 Eye Wash/Shower Station (2)
- 🔔 Fire Alarm Control Panel (1)
- 🔥 Fire Extinguisher (19)
- 🚒 Fire Pull Alarm (4)
- 🚪 Smoke Hatch (4)
- 🔧 Sprinkler Riser (1)
- 🔌 Switch (1)
- 🔌 Transformer (1)
- 🔌 Ventilation Control (5)

Acrosis
Building Mgr.: B. Zamora - 04/21/2015

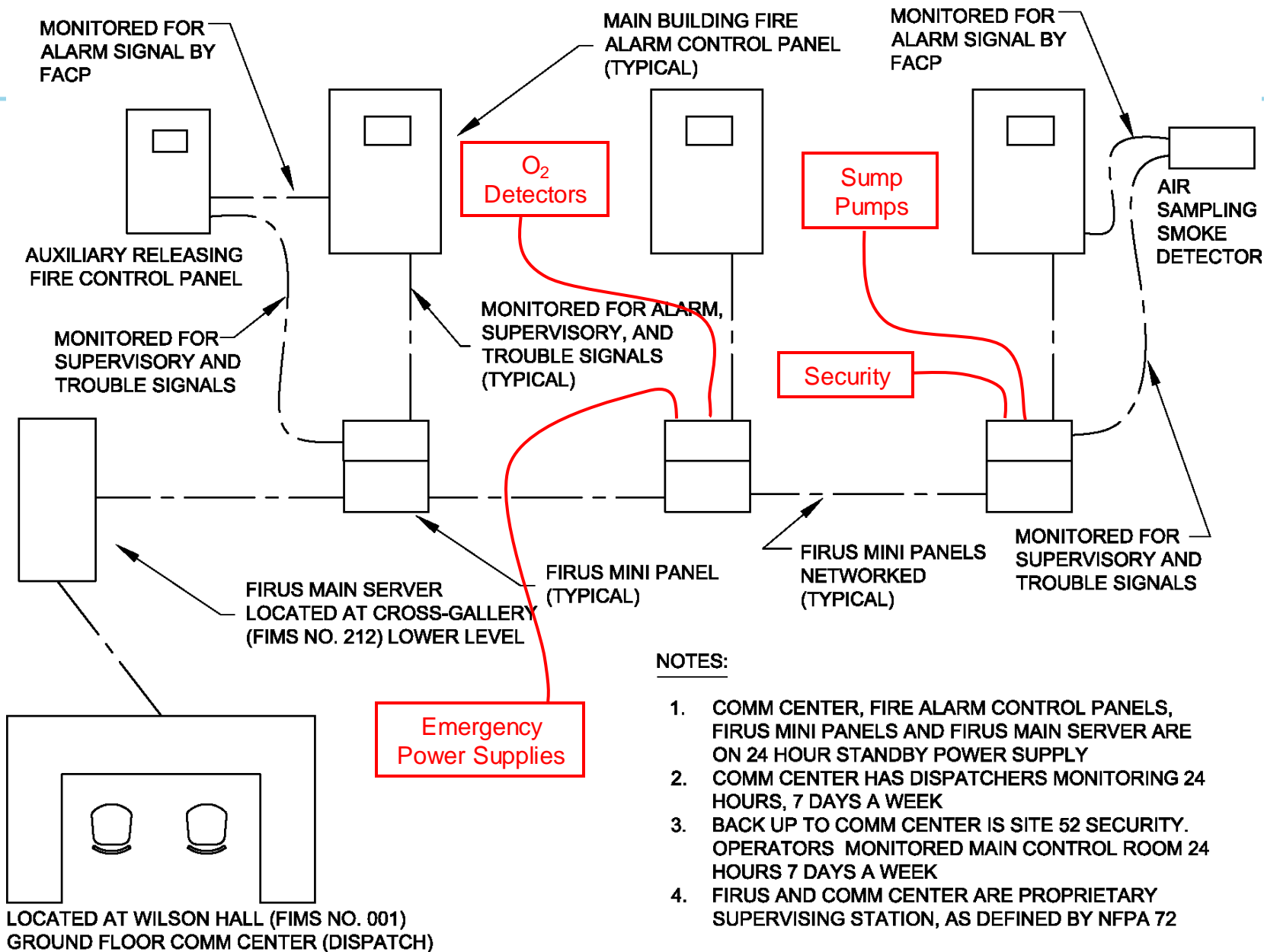
1 inch = 50 feet
Last Update Date: 4/23/2015 10:08:05 AM
Map Prepared By: DM

Pre-Incident Planning URL

- <https://fermilabgis.maps.arcgis.com/home/webmap/viewer.html?webmap=0d783c9677cb4dfe9657a89f5f04578d>

Fire Department Mutual Aid





NOTES:

1. COMM CENTER, FIRE ALARM CONTROL PANELS, FIRUS MINI PANELS AND FIRUS MAIN SERVER ARE ON 24 HOUR STANDBY POWER SUPPLY
2. COMM CENTER HAS DISPATCHERS MONITORING 24 HOURS, 7 DAYS A WEEK
3. BACK UP TO COMM CENTER IS SITE 52 SECURITY. OPERATORS MONITORED MAIN CONTROL ROOM 24 HOURS 7 DAYS A WEEK
4. FIRUS AND COMM CENTER ARE PROPRIETARY SUPERVISING STATION, AS DEFINED BY NFPA 72

Facility Incident Reporting Utility System (FIRUS)

- Future Plans:
 - Add X and Y coordinate fields to integrate with GIS
 - Dispatch message, i.e, Electronic text messages via FIRUS

Muon Campus – MC1 Facility



MC1 Cryogenics Leak



Fire Department Underground Response



Underground Facility Rescue



MINOS Fire Command Room



Underground Facility Services

- Foam Tactics on fire fighting
- Fire Trace (Foam System)

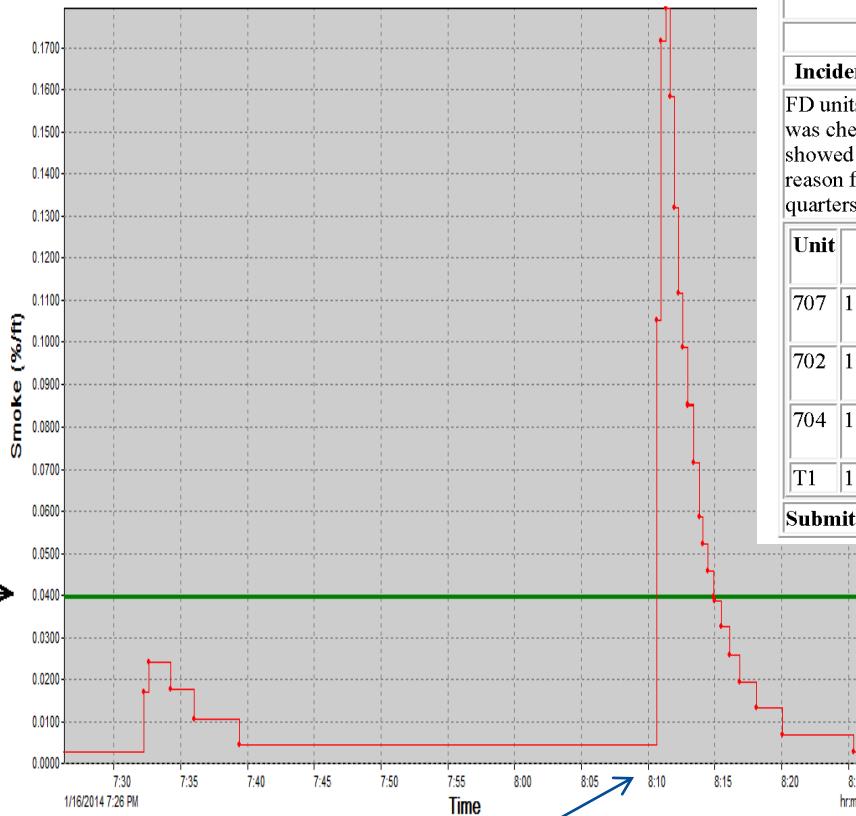
Comparing Fire Runs & Alarms

Fire Department Run Report #14013

CR#	14-0036 Certificate Login Username/Password Login	Code	1
Location	GRID COMPUTING CENTER	Time of Alarm	01/16/2014 1841
Division/Section	COMPUTING SECTOR	Response Time	6
Patient Name & ID #	-----	Cause	Alarm System, Undetermined
Alarm Source	Detector/FIRUS	Automatic Aid	Received
Weather Conditions	Cloudy & Windy	FD Est. Loss	Unknown
Radiation Involved	No	Fire Chief Respond	No
1099	1858	1099 By	Schopp, Brian K
Incident Command	Schopp, Brian K	Dispatcher	Vallone, Glenn L

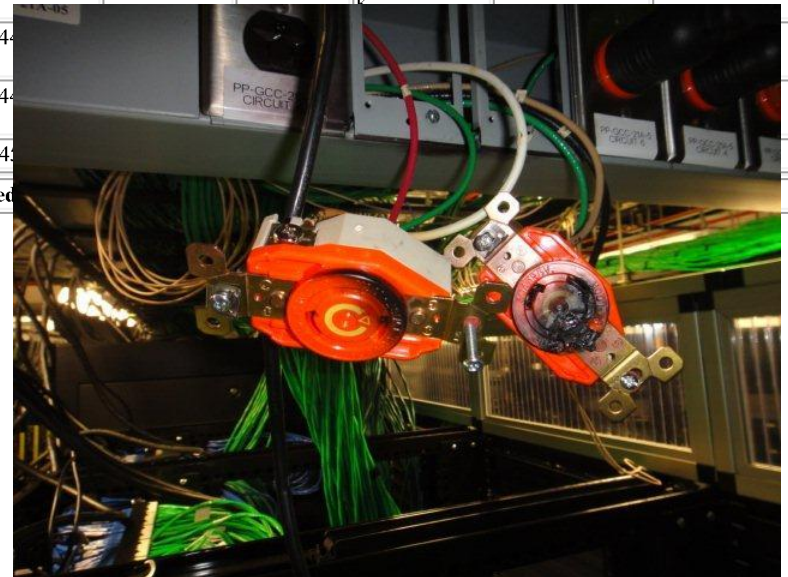
FD units responded to Grid Computing Center for the activated fire alarm. On arrival, the building was checked; there were no activated detectors found but the audible was sounding. Alarm panel showed for Room B and VESDA level was found less than one in the same area. FD found no reason for the alarm and the system was reset. Auto aid was released and FD units returned to quarters.

Unit	Enroute Time	On Scene Time	In Qtrs Time	Officer	Driver	Fire Fighters
707	1842	1846	1909	Schopp, Brian		
702	1844					
704	1844					
T1	1844					
Submitted						



Alarm Level →

Time of Alarm, 6:40pm, breaker tripped, smoke dissipated



Questions?