EMERGENCY PLAN
Building 366

Date Revised: 10/7/2005

Approved: _____ ***Date:*** _____
Emergency Management Officer

Approved: _____ ***Date:*** _____
Area Emergency Supervisor

Approved: _____ ***Date:*** _____
Division Director

1. *Introduction*

This emergency plan for Building 366 has been prepared to:

1. Provide the Fire Department and other emergency responders with information about the building.

2. Provide building occupants with information about the building that they need to know during an emergency.

3. Document that emergency preparedness in the building has been considered and is reviewed annually.

Site-wide emergency management is described in the Comprehensive Emergency Management Plan (CEMP), available from ESH-Emergency Management. All emergencies at ANL-E are managed under the incident command system, regardless of the nature of the emergency or where it occurs. The Fire Department incident commander is in charge of the emergency response.

This plan contains emergency response information specific to this building. The emergency personnel listed in this plan, as available, will assist the incident commander when there is an emergency in the building.

2. *Emergency Personnel in Building 366*

	ANL Ext.	***Pager***	***Home***
Area Emergency Supervisor Kenneth Wood	3971		(815) 730-9448
Alt. Area Emergency Supervisor Frank Skrzecz	3971		(708) 614-9365
Building Manager Kenneth Wood	3971		(815) 730-9448
Off-Shift Contacts: Kenneth Wood Vic Guarino	3971 6277		(815) 730-9448 (708) 445-8309

3. *Building Description*

Building 366 is a high bay of all metal construction with a 35-ton overhead crane. The building is used for the following projects:

- Detector fabrication and R&D
  Argonne Wakefield Accelerator (AWA), with accelerator tunnel and laser control room
- Auger scintillator modules
- CHOOZ drift chambers
- NoVA liquid scintillator detector
- ATLAS TileCal work, e.g., Air/Hydraulic test

The building also contains a machine shop located at the south end of Bldg. 366.

4. *Hazards Checklist*

Hazard	Present
Radiation or Radioactive Materials	Yes
Chemicals	Yes
Carcinogens	No
Special Nuclear Materials	Yes
Flammable Metals: (sodium, lithium, cesium, or others)	No

5. *Hazards Description*

Numerous compressed gas cylinders are in use. Welding is done in the building. There is a 22,000-pound ZEUS prototype detector module, constructed of stainless steel clad depleted uranium plates. This prototype test module is presently encased in at least three feet of concrete blocks. There is no way to make contact with the detector except by using the crane to remove the concrete blocks. There are calibration isotopes used for AUGER/CDF detector testing. Chemicals include solvents, cleaners, paints, and epoxies.

6. *Assembly and Relocation*

When the building is evacuated, occupants are to assemble in the parking lot to the east of 366. After the emergency, all personnel are asked to reassemble in conference room A2 for personnel accountability.

7. *Control Point*

The building control point is the Conference Room A2, as indicated on the attached Building 366 drawing. If appropriate, the AES and the alternate will meet at this point. An emergency radio is located at this point, as indicated in #8 "Emergency Communications and Instructions".

8. *Emergency Communications and Instructions*

All injuries, illnesses, fires, explosions, chemical accidents and any unsafe or unstable conditions are to be reported by calling 911. Any Laboratory telephone in the building can be used to call 911. Cellular telephones can be used by calling 252-1911. Occupants are not to use private cars to transport co-workers who are injured or ill.

The building is connected to the site-wide public address system. The ComCenter operator will issue tornado watches and tornado warnings over this system. A warning tone precedes all emergency announcements. The AES or alternate may also make announcements within the building by accessing the 360 area page system, Ext. 7448. A site-wide emergency radio is kept below the telephone on the table outside the conference room (A2). AES hats are stored in the cabinet at the east entrance of Bldg. 366.

9. *Loss of Telephones*

On occasion, telephone communications have been lost site-wide. If normal telephone communications are not available, the AES will establish a control point in a visible location such as Conference Room A2. The AES has a radio available for emergency communications with the Fire Department. Non-emergency radio transmissions should be avoided. Building occupants are instructed to seek assistance from the AES at the control point in the event that they need 911 assistance. Alternate AES's can assist in notifying building occupants if the

building public address is not functional. Any emergency conditions involving the building should be reported to the Fire Department.

When the AES calls the Fire Department by radio, the transmission begins with "Argonne Fire Department, this is the AES from Bldg. 366". This will alert the Fire Department to the fact that the transmission is to their attention.

Pay telephones may work when normal telephones are out of service. (There are no pay telephones in Bldg. 366.) There are also telephones on separate exchanges in selected locations (non-PBX telephones), usually found in Division Offices. HEP does not have one. Calls to 911 can be made on pay telephones; the callers should state that the call is from Argonne National Laboratory. Coins are not needed to call 911. The dispatcher will direct the call to the Argonne Fire Department. Cellular telephone may also be used to reach the Fire Department by calling 252-9911.

10. Loss of Power

If power is lost to a building or groups of buildings, the AES determines whether activities should continue in the building. If loss of ventilation threatens the safety of workers, they should be evacuated from the area or from the building. Special considerations should be given to hoods and the potential for radiological or chemical exposures. Also, the adequacy of lighting should be considered in deciding whether areas should be occupied or work continued.

Decisions to close the Laboratory due to site conditions are made by the crisis manager only. Instructions to dismiss staff are given over the public address system if available; if not, the site-wide radio network might be used. The AES may ask people to leave the building and/or relocate to another building if loss of power makes the building unsuitable for occupancy. The Fire Department should be notified of such a decision.

11. Warning Signals/Alarms

The building is equipped with fire alarms. If an alarm sounds, occupants are to leave the building immediately.

12. Emergency Shutdown Procedures

In the event of building evacuation or tornado warning, equipment operators will shut off the equipment as appropriate before leaving the area, if it can be done safely.

13. Personnel Accountability

The AES will attempt to account for all employees following an evacuation by means of a visual check. The AES and alternates will perform a sweep of their assigned areas to look for any occupants who did not hear the emergency message. The sweep shall be performed so as not to compromise the safety of those performing it. After exiting the building, employees shall report to the designated assembly area. The AES will report any missing personnel and/or areas that were not swept to the incident commander, who will conduct a search of the employee's work area, if appropriate. If necessary, the AES will assist the incident commander in searching the building.

14. Tornado Shelters

The tornado shelter is the AWA tunnel. Tornado shelter signs are posted. The tornado shelter location is shown on the attached drawing. All occupants are to move to the tornado shelter when a warning is issued and are to remain there until the all-clear is given. There is no smoking in the tornado shelter.

15. Emergency Exercises

Building 366 holds a tornado drill each spring and a fire drill each fall.

16. Training of New Occupants

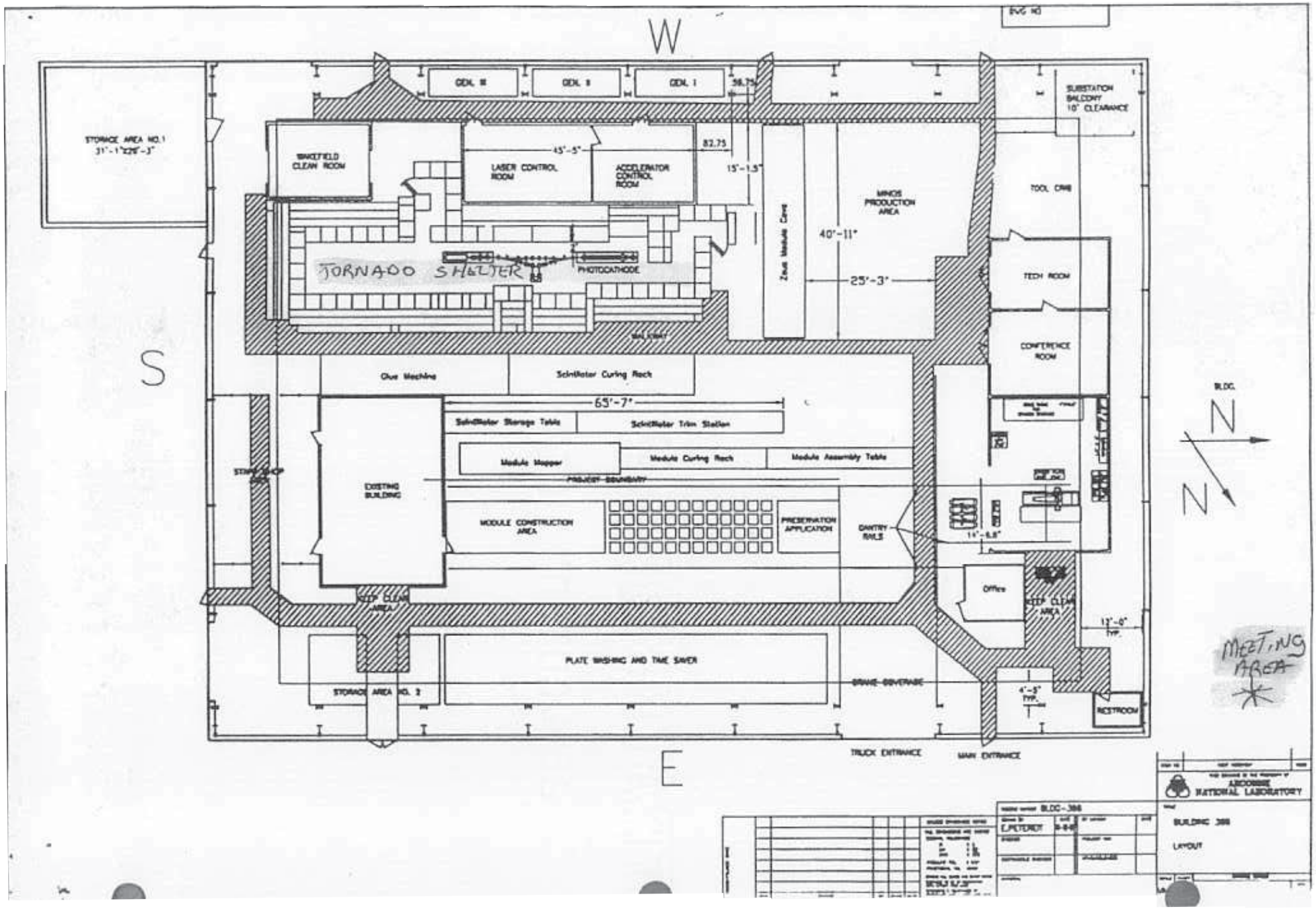
Supervisors are responsible for ensuring that new building occupants under their supervision know the location of exists, tornado shelters, and how to call 911.

17. Training for AES's and Alternates

Newly-appointed AES's and alternates receive training provided by ESH-Emergency Management. Refresher training is required annually.

18. Building Drawings

Locations of tornado shelters are shown on the attached drawing. Also shown is the outdoor assembly area for use during building evacuation.


W
S
E
N
N
STORAGE AREA NO.1
31'-1"x28'-3"
WAKEFIELD CLEAN ROOM
GEN. III
GEN. II
GEN. I
58.75
45'-5"
82.75
15'-1.5"
LASER CONTROL ROOM
ACCELERATOR CONTROL ROOM
Zeus Module Cave
MINOS PRODUCTION AREA
40'-11"
25'-3"
SUBSTATION BALCONY 10' CLEARANCE
TOOL CRIB
TECH ROOM
CONFERENCE ROOM
JORNADO SHELTER
PHOTOCATHODE
WALKWAY
Glue Machine
Scintillator Curing Rack
65'-7"
Scintillator Storage Table
Scintillator Trim Station
Module Mapper
Module Curing Rack
Module Assembly Table
PROJECT BOUNDARY
EXISTING BUILDING
MODULE CONSTRUCTION AREA
PRESERVATION APPLICATION
GANTRY RAILS
14'-6.8"
Office
KEEP CLEAR AREA
KEEP CLEAR AREA
13'-0" TYP.
PLATE WASHING AND TIME SAVER
STORAGE AREA NO. 2
BRAKE COVERAGE
4'-5" TYP.
RESTROOM
TRUCK ENTRANCE
MAIN ENTRANCE
BLDG.
MEETING AREA
ARGONNE NATIONAL LABORATORY
BUILDING 388
LAYOUT
E.PETERET