

McGUIRE NUCLEAR STATION  
FIRE PROTECTION REVIEW

Revision Log:

1. January 1979
2. September 1982
3. September 1985
4. March 1986
5. February 1989
6. October 1990
7. May 1991

NOR SHOULD PIPING FOR FLAMMABLE OR COMBUSTIBLE LIQUIDS OR GASES BE INSTALLED IN THESE AREAS.

Cable trays are used only to route cable. Cable located in pipe trenches is to service equipment located in that trench.

Miscellaneous storage in cable tray is administratively prohibited by Station Directive 2.11.2, Fire Protection and Surveillance.

- (i) THE DESIGN OF CABLE TUNNELS, CULVERTS AND SPREADING ROOMS SHOULD PROVIDE FOR AUTOMATIC OR MANUAL SMOKE VENTING AS REQUIRED TO FACILITATE MANUAL FIRE FIGHTING CAPABILITY.

Smoke venting of areas will be accomplished with portable fans as necessary to facilitate manual fire fighting capability.

- (j) CABLES IN THE CONTROL ROOM SHOULD BE KEPT TO THE MINIMUM NECESSARY FOR OPERATION OF THE CONTROL ROOM. ALL CABLES ENTERING THE CONTROL ROOM SHOULD TERMINATE THERE. CABLES SHOULD NOT BE INSTALLED IN FLOOR TRENCHES OR CULVERTS IN THE CONTROL ROOM.

Only those cables required for operation are routed to the Control Room. Cable entering the Control Room terminates there.

There are no floor trenches or culverts in the Control Room.

Cables run in the ceiling are for computers, power and control of HVAC and lighting and equipment located in the ceiling space. Computer cables are a plenum rated type or are routed inside conduit.

#### 4. VENTILATION

- (a) THE PRODUCTS OF COMBUSTION THAT NEED TO BE REMOVED FROM A SPECIFIC FIRE AREA SHOULD BE EVALUATED TO DETERMINE HOW THEY WILL BE