

Procedure No.:  0-ONOP-016.10	Procedure Title:  Pre - Fire Plan Guidelines and Safe Shutdown Manual Actions	Page: 4 Approval Date: 12/28/92
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## 1.0 PURPOSE

- 1.1 This procedure contains three (3) attachments: for each fire zone. The procedure consists of Pre-Fire Plans, Operations Safe Shutdown Manual Actions and Manual Actions to Mitigate the Consequences of Fire Damper Closure.
- 1.2 The Pre-Fire Plans provide guidelines for attacking and combating the fire. They also provide information of equipment availability, ventilation, constructions material and adjacent fire zones.
- 1.3 The Operations Safe Shutdown Manual Actions detail the equipment that it is necessary to operate outside the normal operation methods to maintain or place the plant in a safe condition.
- 1.4 The Manual Actions to Mitigate the Consequences of Fire Damper Closure contains information as to HVAC systems and dampers affected by fire areas and the actions to be performed by maintenance post extinguishment to provide ventilation for specific fire zones.

## 2.0 SYMPTOMS

- 2.1 None

## 3.0 AUTOMATIC ACTIONS

- 3.1 None

## 4.0 IMMEDIATE ACTIONS

- 4.1 Perform the following:

- 4.1.1 Cross connect page and make the following announcement:

"Attention all personnel. There is a reported class (if known) \_\_\_\_\_ fire/explosion in Unit (3 or 4) \_\_\_\_\_ (location) \_\_\_\_\_. All personnel in the fire/explosion location withdraw to a safe area. All Fire Brigade members report to (location of fire/explosion) \_\_\_\_\_."

- 4.1.2 Sound fire alarm

- 4.1.3 Follow alarm with page announcement:

"Attention all personnel. There is a reported class (if known) \_\_\_\_\_ fire/explosion in Unit (3 or 4) \_\_\_\_\_ (location) \_\_\_\_\_. All personnel in the fire/explosion location withdraw to a safe area. All Fire Brigade members report to (location of fire/explosion) \_\_\_\_\_."

- 4.2 IF required. THEN designate an assembly area for personnel evacuating the affected area.

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## 5.0 SUBSEQUENT ACTIONS

5.1 Identify the fire zone as identified in Attachment 1 of this procedure.

### NOTE

*Emergency flashlights and radios are available to aid in combating the fire or performing manual actions.*

5.2 Establish communication between Fire Brigade Leader and the Control Room.

### NOTES

- *A single fire in a given fire zone may require both units to be shutdown or placed in safe condition.*
- *Fires or explosions inside the RCA involving Radiological Hazards should be monitored accordingly. Alarming (audible and/or visual) dosimetry should be used on Fire Brigade Members for monitoring direct Radiological Exposure. The air sampler, located in the Fire Locker in the Aux Bldg Hallway, should be used, as needed; to monitor airborne activity.*
- *The Fire Brigade Leader shall notify the NPS/ Emergency Coordinator when vital equipment is in jeopardy or the fire cannot be readily extinguished.*
- *Erroneous indication; multiple spurious equipment malfunctions or failures; loss of off-site power coincident with fire or notification from Fire Brigade Leader are the determinates for initiating safe shutdown manual actions.*
- *Qualified Operations Department Fire Brigade Members should relieve Health Physics Department Fire Brigade Members as available, to ensure adequate staffing of Radiation Protection Men (RPM).*

5.3 The NPS/Emergency Coordinator shall:

- 5.3.1 IF determined necessary, THEN initiate safe shutdown manual actions.
- 5.3.2 IF determined necessary notify THEN Health Physics AND request radiation monitoring support, if Fire/Explosion is in the Radiation Control Area (RCA).
- 5.3.3 Determine if the fire/explosion meets emergency classification criteria by referring to EAL table in EPIP-20101. Duties of Emergency Coordinator.

QUESTION: 044 (1.00) (R0 70)

Which ONE of the following IMMEDIATE actions is required to be performed by the Unit 3 Reactor Control Operator in the event of a fire burning out of control on the Control Room roof?

- a. Trip the reactor and enter E-0, Reactor Trip and Safety Injection.
- b. Declare the control room uninhabitable, trip the reactor and evacuate the Control Room.
- c. Evacuate the Control Room, then open the reactor trip breakers locally and enter E-0.
- d. Dispatch the Fire Brigade to the Control Room roof via the Plant PA system.

QUESTION: 045 (1.00)

The plant is in Mode 1. Which ONE of the following indicates a loss of containment integrity?

- a. Containment pressure is 50 psig.
- b. Containment pressure is 27 psig and CV-204, letdown isolation valve, stuck open.
- c. Containment pressure is 23 psig and containment spray is not operable.
- d. S/G 3B has both a tube rupture and a stuck open RCS safety valve.

ANSWER: 043 (1.00)

c.

REFERENCE:

SD-153, Fire Protection, Alternate Safe Shutdown and Safe Shutdown Systems, page 39.

E.O. 6 of LP 6902143

Item used on Turkey Point 1992/04/20 SRO exam.

000067A106 [3.5/3.7]

000067A106 ..(KA's)

ANSWER: 044 (1.00) (RC 70)

b.

REFERENCE:

0-ONOP-105, Control Room Evacuation, pages 8 and 48.

E.O. of LP-6902252

000068K202 [3.7/3.9]

000068G010 [4.1/4.2]

000068G010 000068K202 ..(KA's)

ANSWER: 045 (1.00)

u.

REFERENCE:

3-ONOP-053, Loss of Containment Integrity, page 4

E.O. 3 of LP-6902126

Item used on Turkey Point 1991/09/30 SRO exam.

000069A201 [3.7/4.3]

000069A201 ..(KA's)

ANSWER: 046 (1.00)

c.

REFERENCE:

3-BD-EOP-FR-C.1, Response to Inadequate Core Cooling Basis Document, page 33.

E.O. 4 of LP-6902347

000074K311 [4.0/4.4]

000074K311 ..(KA's)

**SRO QUESTION 68 (94)**

Which ONE of the following describes an entry which would be made in the Night Order Book?

**ANSWER:**

D. - Problems encountered during normal operations.

**REFERENCE:**

O-ADM-200 page 51.

**COMMENT:**

O-ADM-200, Conduct of Operations, Step 5.10.3, states, " Entries in the Night Order Book shall be made when necessary by the Operations Supervisor, NPS, ANPS, or NWE, to provide short term information to the shift crews", (see attached).

**RECOMMENDATION:**

Accept answer B as an additional correct answer.

B. - Guidance for handling situations that have short term applicability.