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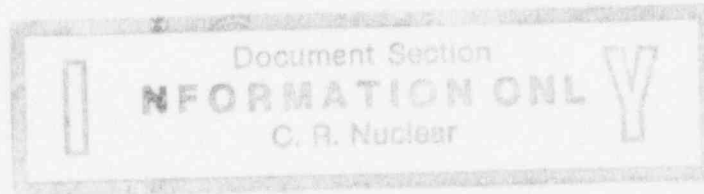
AD45 9/1

### RADIATION MONITOR ACTUATION

#### 1.0 ENTRY CONDITIONS

| IF any of the following "Atmospheric Radiation High" alarms are activated,

- o RM-A1
- o RM-A2
- o RM-A3
- o RM-A4
- o RM-A5



THEN use this procedure.

#### 2.0 IMMEDIATE ACTIONS

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Note

There are no immediate actions in this procedure.

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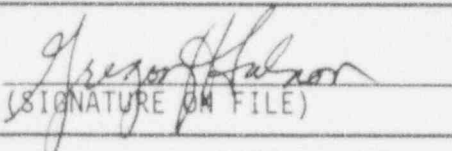
This Procedure Addresses Safety Related Components		
Approved by MNPO	 (SIGNATURE ON FILE)	Date 6/1/94
AP-250	PAGE 1 of 11	RMA

Table 1: RM Auto Actions

RM-A1 Gas Closed:	___ AHV-1A	___ AHV-1B	___ AHV-1C	___ AHV-1D
	___ LRV-70	___ LRV-71	___ LRV-72	___ LRV-73
RM-A2 Gas Stopped:	___ AHF-9A	___ AHF-9B	___ AHF-10	___ AHF-11A
	___ AHF-11B	___ AHF-30	___ AHF-34A	
RM-A3 Stopped:	___ AHF-11A	___ AHF-11B		
RM-A4 Stopped:	___ AHF-10			
RM-A5 Stopped:	___ AHF-17A	___ AHF-17B	___ AHF-19A	___ AHF-19B
	___ AHF-21A	___ AHF-21B	___ AHF-44A	___ AHF-44B
	___ AHF-30			
Stopped or in Slow:	___ AHF-20A	___ AHF-20B		
Closed:	___ AHD-1/1D	___ AHD-2	___ All dampers on the "EMERGENCY VENTILATION DAMPER POSITION" panel.	
Open:	___ AHD-3			

3.0 FOLLOW-UP ACTIONS

ACTIONS

DETAILS

3.1 — Ensure Auto actions of affected radiation monitor occur, if applicable. See Table 1 for list of radiation monitor Auto actions.

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3.2 — Notify personnel of plant conditions as required. — Plant Operators  
— SOTA  
— SSOD to evaluate plant conditions for potential entry into the Emergency Plan.

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CAUTION

Hydrogen concentrations may reach explosive levels if WGDTs are leaking into the AB.

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3.3 — IF RM-A2 Gas is tripped, Notify AB Operator to ensure closed:  
THEN notify AB Operator to ensure WGDT outlet valves are closed.  
— WDV-436  
— WDV-437  
— WDV-438.

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3.4 — IF RM-A3 is tripped, Notify AB Operator to verify closing air pressure, 17 to  
THEN notify AB Operator to verify dampers D-29 and D-36 are closed. 20 psig, on "Panel 15-AB", 143 ft AB.

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### 3.0 FOLLOW-UP ACTIONS (CONT'D)

#### ACTIONS

#### DETAILS

3.5 — Determine if alarm is valid.

Perform the following:

- Ensure proper selection of "RANGE" switch. If set for "10K" and off-scale high, select "1M" setting.
- Ensure "ALARM RESET OPERATE CHECK SOURCE" switch is in the "OPERATE" position.
- Ensure proper alarm setpoints:
  - o RM-A1 and A2 per the applicable GRWRP.
  - o RM-A3, A4 and A5 per the applicable Radiation Monitor Setpoint Log.
- Observe trends on other radiation monitors if applicable.

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3.6 — IF alarm is NOT valid, THEN GO TO Step 3.17 in this procedure.

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3.7 — CONCURRENTLY PERFORM VP-580, Plant Safety Verification Procedure, beginning with Step 3.1.

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3.8 — Notify Chemistry of radiation monitor actuation.

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3.9 — Notify Health Physics of radiation monitor actuation.

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3.0 FOLLOW-UP ACTIONS (CONT'D)

ACTIONS

DETAILS

3.10 \_\_\_ Evacuate affected areas,  
if required.

1. Determine evacuation  
requirement based on the  
following:

- \_\_\_ Activity level of  
affected area,
- \_\_\_ Location of affected  
area,
- \_\_\_ Work activity in area.

2. IF evacuation is required,  
THEN:

- \_\_\_ Depress appropriate  
evacuation alarm  
pushbutton.
- \_\_\_ Notify plant personnel  
over the PA.
- \_\_\_ Depress appropriate  
evacuation alarm  
pushbutton.
- \_\_\_ Notify plant personnel  
over the PA.

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3.11 \_\_\_ Review current Operation,  
Maintenance, and Chemistry  
activities for any actions  
that have caused the  
actuation.

Stop the activity if suspected  
of being the cause of the  
increased radiation levels  
and restore the system as  
necessary.

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3.12 \_\_\_ IF RM-A1 Gas actuation  
occurs,  
THEN stop RB purge fans.

Stop the following:

- \_\_\_ AHF-6A
- \_\_\_ AHF-6B
- \_\_\_ AHF-7A
- \_\_\_ AHF-7B



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### 3.0 FOLLOW-UP ACTIONS (CONT'D)

#### ACTIONS

#### DETAILS

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#### Note

EM-305, Post Accident Sampling, Sections 4.5 and 4.6 cover manual operation of the valve controllers.

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3.13 — IF RM-A1 Gas or RM-A2 Gas indicates or approaches off-scale high, THEN select RM-A1 or RM-A2 "LMH VALVE CONTROLLER" controllers to "AUTO".

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3.14 — IF RM-A5 is tripped, THEN establish CC ventilation in emergency recirc.

1. Start either AHF-18A or AHF-18B, but not both.
  2. Start either AHF-19A or AHF-19B, but not both.
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3.15 — IF RM-A5 is tripped, AND Control Complex air has higher activity than outside air, THEN override RM-A5.

- 1 — Obtain SSOD approval to override RM-A5.
  - 2 — Select "DAMPER OVERRIDE" switch, to "ON".
  - 3 — When radiological conditions permit, adjust "CNTRL COMPLEX RECIRC DMPR" potentiometer to the full open ("10") position.
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3.16 — Determine subsequent course of actions based upon evaluation results.

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3.17 — WHEN radiation monitor can be reset, THEN reset monitor.

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3.0 FOLLOW-UP ACTIONS (CONT'D)

ACTIONS

DETAILS

3.18 — IF "DAMPER OVERRIDE"  
switch is "ON",  
AND RM-A5 is reset,  
THEN select "DAMPER  
OVERRIDE" switch to "OFF".

Ensure "CNTRL COMPLEX RECIRC DMPR"  
is reset to "0" position.

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3.19 — GO TO OP-409, Plant  
Ventilation, to restore  
ventilation system to  
normal, if applicable.