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TO: GERLACH*ROSE M 08/25/2003
LOCATION: DOCUMENT CONTROL DESK
FROM: NUCLEAR RECORDS DOCUMENT CONTROL CENTER (NUCSA-2)
THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY OR ELECTRONIC MANUAL ASSIGNED TO YOU:

325 - 325 - SYSTEMS LEAD ENGINEER: EMERGENCY PLAN-POSITION SPECIFIC PROCEDURE

REMOVE MANUAL TABLE OF CONTENTS DATE: 06/26/2003

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CATEGORY: PROCEDURES TYPE: EP
ID: EP-PS-325
REPLACE: REV:6

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A045

Dose Projection Worksheet

Date/Time: _____ / _____

Forward Looking Dose Calculation Information

1) Vent Stack Status:
Data Source: PICSY, E-Plan Menu, Gaseous Effluents Screen
See Notes ❶ & ❷

Stack	Is Pathway Open With Flow?	Is SPING Data White ?
Unit 1 RB	Yes / No	Yes / No
Unit 1 TB	Yes / No	Yes / No
Unit 2 RB	Yes / No	Yes / No
Unit 2 TB	Yes / No	Yes / No
SGTS	Yes / No	Yes / No

➔ **For each stack, if both are "Yes", an Un-Monitored release is in-progress.**

2) Has any Blow-Out Panel lifted?
Data Source: TSC Personnel

Room/Area	Yes	No
U1 RCIC Room	___	___
U1 HPCI Room	___	___
U2 HPCI/RCIC X-connect	___	___
RWCU Penetration Room	___	___
RHR Pump or Piping Area	___	___
RB or TB Steam Tunnel	___	___

➔ **If any Blow-Out panel has lifted, an Un-Monitored release is in-progress.**

3) Has Secondary Containment otherwise been breached? Yes No
Data Source: TSC Personnel

➔ **If 3 OR 4 are Yes, an Un-Monitored release is in-progress.**

4) Has a Loss Of Off-Site Power (LOOP) occurred? Yes No
Data Source: PICSY, P&ID Menu, Plant Monitoring System Menu 4.16 kV System
See Note ❸

5) Type of release (select one): MONITORED UN-MONITORED

Study (Design Basis Release or Default) Dose Calculation Information (Menu D)

6) Type of Event: LOCA ATWS Fuel Handling

7) Fuel Damage Estimate:
a) Containment Rad Levels: "A" Channel _____ R/Hr Data Source: PICSY, E-Plan Menu, Emergency Format
"B" Channel _____ R/Hr Data Source: PICSY, E-Plan Menu, Emergency Format
b) _____ % Clad Failure Data Source: Fuels Engineer
c) _____ % Fuel Melt Data Source: Fuels Engineer

8) Is Primary Containment (PC) Integrity Intact? Yes No
See Notes ❹ & ❼

9) Is Secondary Containment (SC) Integrity Intact? Yes No
See Notes ❺ & ❼

10) Is the Standby Gas Treatment System (SGTS) RUNNING **AND** the RELEASE FILTERED?
Data Source: See Notes ❶ & ❻ & ❼ Yes No

Event Tree NUREG-1228 Dose Calculation Information

11) Consult with the DOSE ASSESSMENT STAFFER regarding the correct Event Tree scenario / calculation menu:
- Drywell Release
- Wetwell Release
- Containment Bypass
- Fuel Handling Accident
- LOCA Default

➔ If any of the above conditions change, CONTACT THE DOSE ASSESSMENT STAFFER. ←

Dose Projection Worksheet

Notes/Considerations:

1. Secondary Containment will isolate on the following signals:

Zone 3 Only	Refuel Floor High Radiation	
Zone 1&3 OR Zone 2&3	High Drywell Pressure Low Reactor Water Level II	(1.72 psig) (-38")
Zone 1&2&3	Loss Of Offsite Power (LOOP)	

   Therefore, if any of these parameters have been met, its is reasonable to assume that a Secondary Containment Isolation has occurred. In such an event, the normal RB HVAC systems trip and the supply and exhaust dampers isolate. In addition, the RB recirc fans start, and the SGTS system initiates. Under these circumstances, SPING Data for the affected RB vent stack will be "White" due to low stack air flow. Any "Yellow, Red, or Magenta Data" for the remaining stacks is valid.

2. If SPING Data for an open pathway turns white, CONTACT THE DOSE ASSESSMENT STAFFER to use "Study" type dose calculations. Note: All SPING Data turns white on Hi Refuel Floor Rad. >100mr/hr

3. A LOOP will result in a loss of TB HVAC, which in turn, results in an un-monitored release path due to TB out-leakage.

   Also note that MSIV leakage will flow to the main condenser. If condenser vacuum is lost, MSIV leakage to the TB will result. **(Note: Data Source for Main Condenser vacuum is PICSY, System Mimics Menu, Main Condenser Screen, and Data Source for TB HVAC Operation is PICSY, Plant Monitoring System Menu, CS & TB HVAC Screen - check for chiller amps)**

4. Primary Containment Integrity is considered "Intact" if it is structurally sound, AND isolation has been successfully completed for all penetrations which <u>should</u> be isolated; i.e., those which have received an isolation signal (manual or automatic). **(Note: Data Sources for penetrations which failed to isolate are TSC Personnel & PICSY, SPDS, Containment Isolation, View)**

5. Secondary Containment Integrity is considered "Intact" if all blow-out panels, as well as the RB structure itself are intact.

6. If the SGTS system has received an initiation signal (i.e., a Secondary Containment Isolation has occurred as described in Note 1 above), proper system operation and RB HVAC alignment must be verified with TSC Personnel.

7. If the response to any of questions 8, 9, or 10 is No, (i.e., PC Integrity, SC Integrity, or SGTS function is lost) CONTACT THE DOSE ASSESSMENT STAFFER to use "Event Tree" type dose calculations.

<u>➔ If any of the above conditions change, CONTACT THE DOSE ASSESSMENT STAFFER. ←</u>