

From: LASALLE CENTRAL FILE

To : SET 97 US NRC/WASHINGTON, D.C. (3-HOLE)

Add: US NRC/WASHINGTON, D.C.

Facility: LAS Dept.:

Copy No.:

Passport ID: LAS00097

Work Request/Task:

DCD Type/No.:

Date/Time: 12/06/95 14:18

Transmittal Group ID: 0000002805

Transmittal Number: 000076778

Total Items: 1

PROCEDURES FOR DISTRIBUTION

Page: 46

See Notes and Comments below.

Function Number :

Item	Facility	Type	Sub	Drawing/Document Number	Sheet	Rev	Rev Date	Media	Copy No.	Copies	Iss	Circ
1	LAS	PROC	STN	LZP-1250-1	01	12/02/95	H	97	01	01		D

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LZP-1550-5	TECHNICAL SUPPORT CENTER QUARTERLY SURVEILLANCE	06	05/21/94	
LZP-1550-6	OPERATIONAL SUPPORT CENTER QUARTERLY SURVEILLANCE	07	05/09/94	
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LZP-1550-9	DELETED	06	08/14/91	
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LZP-1550-11	POST-ACCIDENT SAMPLING EQUIPMENT INVENTORY	05	10/22/92	
LZP-1550-12	GSEP COMMUNICATIONS SYSTEMS MONTHLY OPERABILITY CHECK	09	05/19/95	
LZP-1550-13	AMBULANCE EMERGENCY KIT QUARTERLY SURVEILLANCE	01	10/31/94	
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A-MODEL OPERATION

A. PURPOSE

This procedure describes the A-Model computer program, the conditions which cause it to alarm and the Control Room (Shift Engineer, Unit Supervisor, STA) interface.

B. REFERENCES

1. A-Model Program, Functional Requirements Specification.
2. NUREG-0654, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".
3. Procedures
 - a. LZP-1110-1, "Station Director (Acting Station Director) Implementation Procedure."
 - b. LZP-1200-1, "Classification of GSEP Conditions."
 - c. LZP-1200-5, "GSEP Guidelines for Recommended Offsite Protective Actions."
 - d. LZP-1210-2, "Nuclear Accident Reporting System (NARS) Form."
 - e. LZP-1310-1, "Notifications."

C. PREREQUISITES

None.

D. PRECAUTIONS

1. Once a "CORE DAMAGE" condition has been either automatically assigned by the A-Model program or manually assigned by the appropriate options of the ODCSCR program, the "CORE DAMAGE" condition may not be cleared using the ODCSCR program.
2. Notification of either the Station Emergency Preparedness or Corporate Emergency Preparedness personnel is necessary to change from a "CORE DAMAGE" condition to a "NO-CORE DAMAGE" condition.

E. LIMITATIONS AND ACTIONS

1. The A-Model continuously assesses containment radiation levels, vent stack release rates and meteorological conditions, comparing them with appropriate Emergency Action Level (EAL). The program provides the Shift Engineer, Shift Foreman and STA with a GSEP classification, downwind dose and dose rate projections at predetermined distances. These projections are used to determine the appropriate protective actions recommendations.

2. The A-Model program will automatically print out to the A-Model printer in the Control Room: alarm messages, informational messages and reports. Only A-Model information is printed on the A-Model printer.

F. PROCEDURE

1. Upon receipt of an A-Model report:

NOTE

If Command and Control has been transferred to the TSC or EOF, the control room personnel shall notify the TSC of all A-Model messages received. The following actions are to be performed at the location having command authority.

- a. VERIFY the GSEP classification in accordance with LZP 1200-1 and declare the emergency.
- b. DETERMINE protective action recommendations in accordance with LZP 1200-5.
- c. PREPARE a NARS form in accordance with LZP-1210-2.
- d. MAKE all required notifications by following the appropriate checklist as provided in LZP-1310-1.

CAUTION

Control Room Personnel cannot change the 'CORE DAMAGE' condition once it has been set.

2. SETTING Core Damage

- a. The A-Model program automatically sets the "CORE DAMAGE" option when any of the following conditions exist:
 - 1) Containment rad level is equal to or greater than 150 REM/hr.
 - 2) Main Steam Line Rad Monitors indicate "HIGH".
 - 3) SPDS Reactor water level is less than or equal to -211 inches, and Drywell pressure is greater than or equal to 20 psig, and Drywell Temperature is greater than or equal to 240° F.

NOTE

The ODCSCR program is to be used by the Shift Engineer or STA when it has been determined that a "CORE DAMAGE" condition exists and the A-Model Program does not have appropriate data to set core damage.

NOTE

When other parameters indicate a core damage condition exists, the A-Model may be manually set to "core damage" by the Shift Engineer or SCRE. Sufficient evidence of core damage should exist before this option is chosen.

- b. To access the ODCSCR program option, perform the following:
- 1) IF USING a PC, THEN double CLICK on the 'LCNPS1 (PRIME)' icon in the "Network Applications".
 - 2) IF USING a WYSE or TEXTRONIX terminal, THEN <return> will refresh the screen.
 - a) ENTER "1" followed by <return>.
 - 3) ENTER "LOGIN ODCSCR" followed by <return>.
 - 4) ENTER the password "ODCSCR" followed by <return>.
 - 5) ENTER the 'Number' for the type of terminal you are on followed by <return>.
 - 6) ENTER <return> again to get to the ODCSCR program screen.

CAUTION

The A-Model program limits core damage to only one unit.

- 7) To set the "CORE DAMAGE" flag, SELECT the appropriate option for the desired unit core damage flag followed by <return>.
- c. ONCE the "CORE DAMAGE" flag has been set, an 'INFORMATIONAL MESSAGE' will be printed on the Control Room A-Model typer.

3. The A-Model clock time may be manually set using the ODCSCR program by performing the following steps:
 - a. LOGIN to the ODCSCR Program using Steps F.2.b.1) through 6) above.
 - b. SELECT the appropriate option to set the desired unit A-Model clock time, followed by <return>.
 - c. IF the Average SRM Log Count rate is less than 1500 CPS (with all four SRM's fully inserted) or 200 CPS (with any SRM not fully inserted), THEN enter the date and time at which the SRM's first indicated below the criteria. The date and time must be entered in the following format "MM/DD/YY HH:MM".
 - d. IF the Average SRM Log Count Rate is greater than or equal to the above criteria, THEN enter the value of the A-Model clock as a set of dashes "--/--/-- --:--".
 - e. The ODCSCR Program will prompt the user to verify that the entered date is correct and give him the option to re-enter the date/time if a mistake has been made.
 - f. The A-Model will print an INFORMATIONAL MESSAGE of the newly assigned A-Model clock time.
4. To view the status of the A-Model System, PERFORM the following:
 - a. LOGIN to the ODCSCR Program using Steps F.2.b.1) through 6) above.
 - b. SELECT the number for 'Display the A-Model Status' followed by <return>.
5. The A-Model status file will contain the following messages and information:
 - a. Status of A-Model inputs.
 - b. EALs which are exceeded (if appropriate).
 - c. Calculations which are bypassed.
 - d. Core Damage flag status.
6. To EXIT the ODCSCR menu, ENTER the appropriate number from the main menu followed by <return>.

G. CHECKLIST

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.