

50-387/388

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THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY
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105 - 105 - TSC DOSE CALCULATOR: EMERGENCY PLAN-
POSITION SPECIFIC PROCEDURE

REMOVE MANUAL TABLE OF CONTENTS DATE: 01/17/2003

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CATEGORY: PROCEDURES TYPE: EP

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A045

PAVSS INSTRUCTIONS

INITIALIZATION OF PAVSS CHANNELS WILL BE PERFORMED BY CHEMISTRY.

A. PLACE "SPING" IN STANDBY

1. Turn "COMMAND ENABLE" key or "EDIT ENABLE" key.
2. Press [STAND-BY] [SPING #] [-] [0] [ENTER].

B. DELETE "SPING"

1. Press [FILE] [0] [ENTER].
2. Press arrow key (↑ or ↓) to scroll to "DEL UNIT adv-ch".
3. Turn the "EDIT ENABLE" key.
4. Press [EDIT].
5. Press [SPING #] [-] [0] [ENTER].
6. When message "DELETE CH.FILE" appears, answer [0] for "NO", [ENTER].

C. INITIALIZE "PAVSS"

1. Scroll to "ADD UNIT adv-ch".
2. Ensure the "EDIT ENABLE" key has been turned.
3. Press [EDIT].
4. Press [PAVSS #] [-] [0] [ENTER].
5. Press [FILE] [PAVSS #] [-] [CHANNEL #] [ENTER].
6. Scroll to inspect the file while comparing it to the calibration data sheet.

NOTE: Calibration data sheets can only be obtained from the Chemistry Lab.

PAVSS INSTRUCTIONS

D. DEALING WITH LIMITED IODINE-131/PARTICULATE DATA

The following are options when dose calculations must be performed, but valid I-131 and/or particulate release rate updates are not available:

1. If SPING Noble Gas data is available use:
 - a. The last available SPING Noble Gas (NG)/ I-131 and/or NG/Particulate ratio if plant conditions are not changing significantly, or
 - b. Use a default NG/I-131 of 1,000 and/or a default NG/Particulate ratio of 10,000 if Chemistry data is not available, or
 - c. Use Chemistry SPING sample results when available.
2. If PAVSS is in-service use:
 - a. The last available SPING Noble Gas (NG/I-131) and/or NG/Particulate ratio if plant conditions are not changing significantly, or
 - b. Use a default NG/I-131 ratio of 1,000 and/or a default NG/Particulate ratio of 10,000 if Chemistry data is not available, or
 - c. Use Chemistry SPING sample results if available, or
 - d. Use Chemistry PAVSS sample results when available.

$$\text{Total Iodine Release Rate } (\mu\text{Ci / min}) = \text{Noble Gas Release Rate } (\mu\text{Ci / min}) / \text{Ratio(NG/I - 131)}$$

$$\text{Total Particulate Release Rate } (\mu\text{Ci / min}) = \text{Noble Gas Release Rate } (\mu\text{Ci / min}) / \text{Ratio(NG/Particulate)}$$