

50-387/388

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THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY  
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130 - 130 - HP II DOSE CALCULATOR: EMERGENCY PLAN-  
POSITION SPECIFIC PROCEDURE

REMOVE MANUAL TABLE OF CONTENTS DATE: 02/27/2002

ADD MANUAL TABLE OF CONTENTS DATE: 05/23/2002

CATEGORY: PROCEDURES TYPE: EP

ID: EP-PS-130

REMOVE: REV:13

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A045

**EP-PS-130, REV 14  
(HPII DOSE CALCULATOR)**

**REMOVE:** TABLE OF CONTENTS, PAGES 1, 2, & 3, REV 13  
**ADD:** TABLE OF CONTENTS, PAGES 1, 2, & 3, REV 14

**REMOVE:** TAB A, REV 2  
**ADD:** TAB A, REV 3

**REMOVE:** TAB D, REV 5  
**ADD:** TAB D, REV 6

**REMOVE:** TAB F, REV 5  
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**REMOVE:** TAB 15, EP-AD-098, REV 3  
**ADD:** TAB 15, EP-AD-098, REV 4

**REMOVE :** TAB 3, (EP-AD-000-190, Rev 2)  
**ADD:** TAB 3, INTENTIONALLY BLANK

**REMOVE:** TAB 14, (EP-AD-000-500, Rev 0)  
**ADD:** TAB 14, INTENTIONALLY BLANK

PROCEDURE COVER SHEET

PPL SUSQUEHANNA, LLC	NUCLEAR DEPARTMENT PROCEDURE	EP-PS-130 Revision 14 Page 1 of 3
HP II DOSE CALCULATOR:  Emergency Plan Position Specific Instruction		
<u>QUALITY CLASSIFICATION:</u> <input type="checkbox"/> QA Program <input checked="" type="checkbox"/> Non-QA Program	<u>APPROVAL CLASSIFICATION:</u> <input type="checkbox"/> Plant <input type="checkbox"/> Non-Plant <input checked="" type="checkbox"/> Instruction	
EFFECTIVE DATE: <u>5-23-2002</u> PERIODIC REVIEW FREQUENCY: <u>Two Years</u> PERIODIC REVIEW DUE DATE: <u>5-23-2004</u>		
<u>RECOMMENDED REVIEWS:</u> All		
Procedure Owner: <u>Nuclear Emergency Planning</u> Responsible Supervisor: <u>Primary Radiation Protection Coordinator</u> Responsible FUM: <u>Supervisor-Nuclear Emergency Planning</u> Responsible Approver: <u>General Manager-Plant Support</u>		

HP II DOSE CALCULATOR: Emergency Plan-Position Specific Instruction

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WHEN: At request of Shift Supervisor  
HOW NOTIFIED: Working hours - telephone call or plant page  
REPORT TO: Shift Supervisor until TSC is activated, then TSC Dose Calculator  
WHERE TO REPORT: OSC initially, then TSC

OVERALL DUTY:

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Perform, validate, and report dose calculations.

<u>MAJOR TASKS:</u>	<u>TAB:</u>	<u>REVISION:</u>
Report to the Operations Support Center.	TAB A	3
Obtain briefing from OSC Coordinator or Shift Supervisor.	TAB B	1
Obtain meteorological data.	TAB C	4
Withdraw vent monitor data from SPING console.	TAB D	6
Perform dose calculations, then report results to those who request them.	TAB E	6
Initiate radio communications with and direct OSCAR until relieved by the Health Physics Radioman.	TAB F	6
Validate dose calculations with field reading from OSCAR and report.	TAB G	5
Once TSC is activated, maintain dose calculations and direct clerk.	TAB H	3

SUPPORTING INFORMATION:

TAB:

Emergency Telephone Instructions	TAB 1
Emergency Organization	TAB 2
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MIDAS Dose Projection Computer Model Instructions	TAB 11
PAVSS Instructions	TAB 12
I-131 Frisker Measurement: Conversion Factors	TAB 13
Intentionally Blank	TAB 14
Remote Monitoring System Base Station Instructions	TAB 15

REFERENCES:

- SSES Emergency Plan
- NUREG-0654, Planning Standards and Evaluation Criteria
- NUREG-0731, Guidelines for Utility Management Structure and Technical Resources, September 1980

MAJOR TASK:

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Report to the Operations Support Center.

SPECIFIC TASKS:

HOW:

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1. Obtain R0-2/2A and master keys for locked doors/gates.
  - 1a. Go to the Health Physics office. Obtain the following:
    - (1) High Radiation Area master keys.
    - (2) Passage function key and magnetic placard holder for Door 159.
    - (3) Source checked R0-2/2A.
2. Proceed to OSC.

**MAJOR TASK:**

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Obtain vent monitor data.

**SPECIFIC TASKS:**

**HOW:**

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1. Obtain vent monitor data from PICSY.

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**HELP**  
Meteorological Data Acquisition  
See TAB 9

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2. Request Chemistry assistance to withdraw vent monitor data, if data not available from PICSY.

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**HELP**  
Vent Monitor Data Acquisition  
See TAB 10

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3. If SPING is not available, consider other options.

- 3a. Consider the use of PAVSS.

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**HELP**  
PAVSS Instructions  
See TAB 12

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- 3b. Consider utilizing RMS data (e.g. Highest fixed monitor reading)

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**HELP**  
Remote Monitoring System  
Base Station Instructions  
See TAB 15

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MAJOR TASK:

Initiate radio communications with and direct OSCAR until relieved by the Health Physics Radioman.

SPECIFIC TASKS:

HOW:

1. Initiate HP Radioman functions.

HELP

HP Radioman Instruction  
EP-PS-134

2. Turnover control of OSCAR to HP Radioman upon his arrival.

- 1a. Initiate a separate Radioman's Log for the HP Radioman Position.

- 2a. Provide the following information to the HP Radioman:

- 1) Name of OSCAR Technician and YTD TEDE.
- 2) Whether OSCAR has been dispatched.
- 3) Whether radio contact with OSCAR has been established.
- 4) OSCAR's current instructions.
- 5) Any RMS abnormalities.

**TAB 3**  
**EP-PS-130-3**

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**TAB 14**  
**EP-PS-130-14**

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## **REMOTE MONITORING SYSTEM BASE STATION INSTRUCTIONS**

- 1.0 Perform RMS Setup/Operational Check prior to initiating OSCAR field monitoring.

**NOTE: For RMS keyboard command reference, see *RMS Keyboard Commands* included within this tab.**

- 1.1 On the RMS terminal, open the panel located above the keyboard and rotate the power switch (first knob, right side) to the ON position.
- 1.2 Select the Area Monitor Coverage Screen using [←] and [ENTER].
- 1.3 Input BASE for the requested user name, then [ENTER].
- 1.4 Input STATION for the requested password, then [ENTER].
- 1.5 Select [1] to bring up the Mobile Survey Plot (MSP).
- 1.6 Select [S] to display the System Summary Screen.
- 1.7 Verify RMS operability.
  - 1.7.1 If each *available* Fixed and Remote Monitor reading displayed on the System Summary Screen is being updated approximately every 10 seconds, RMS is considered to be *fully functional*. Proceed to Tab B (depress the [1] key to restore MSP screen).
  - 1.7.2 If all of the Fixed and Remote Monitors shown on the System Summary Screen are NOT being updated (i.e., there is no incoming radiological telemetry), then go to Tab A, Step 5a (depress the [1] key to restore the MSP screen).

- 2.0 Implement RMS Monitoring Strategy in accordance with the flowchart on the following page.

- 2.1 Use the [ESC] key to go back to the Mobile Survey Plot screen (selection #1 on the Group #5 screen).

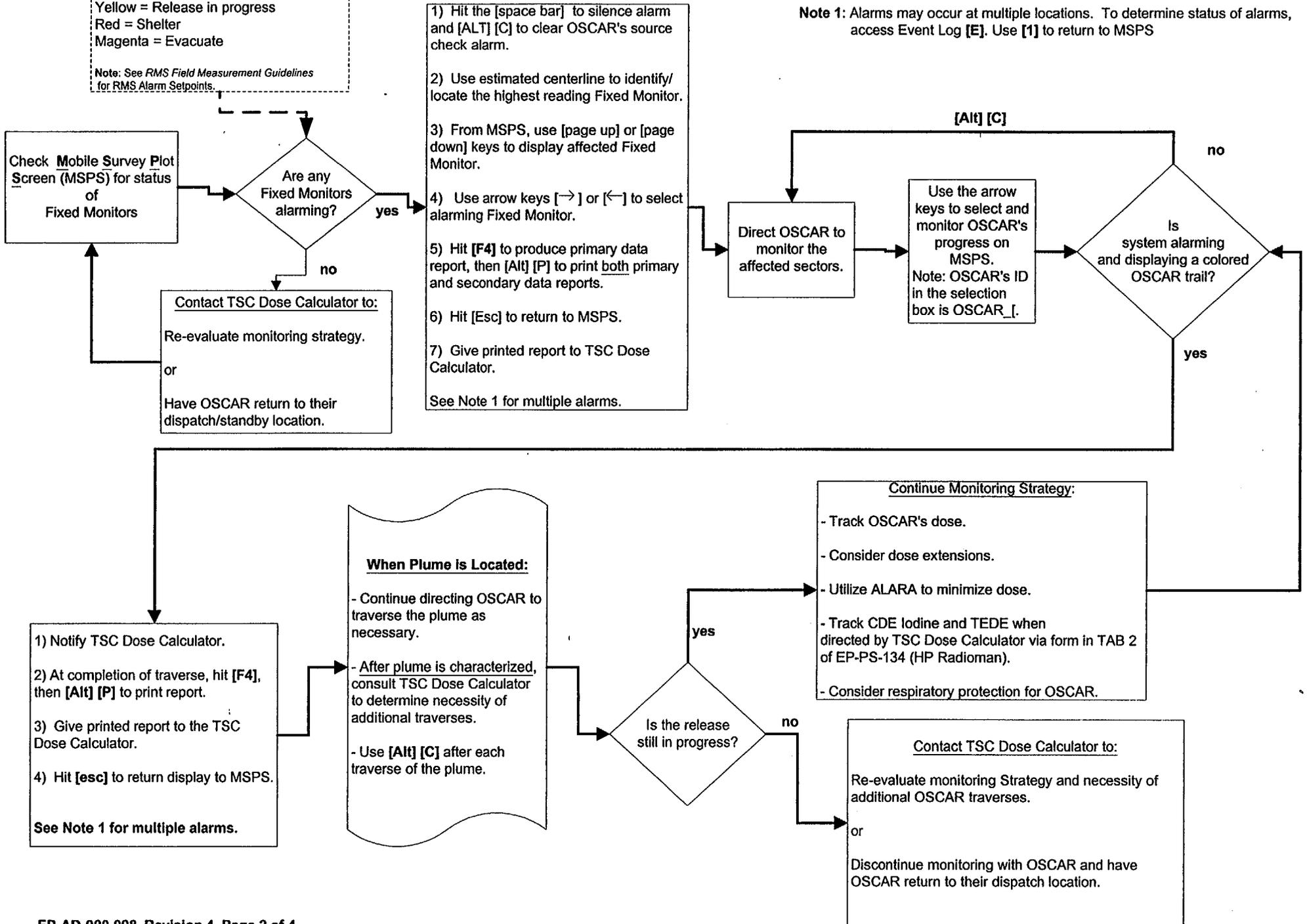
**ALARMING CONDITIONS**

Clear = Off-line  
 Gray = On-line  
 Yellow = Release in progress  
 Red = Shelter  
 Magenta = Evacuate

Note: See RMS Field Measurement Guidelines for RMS Alarm Setpoints.

# RMS MONITORING STRATEGY

Note 1: Alarms may occur at multiple locations. To determine status of alarms, access Event Log [E]. Use [1] to return to MSPS

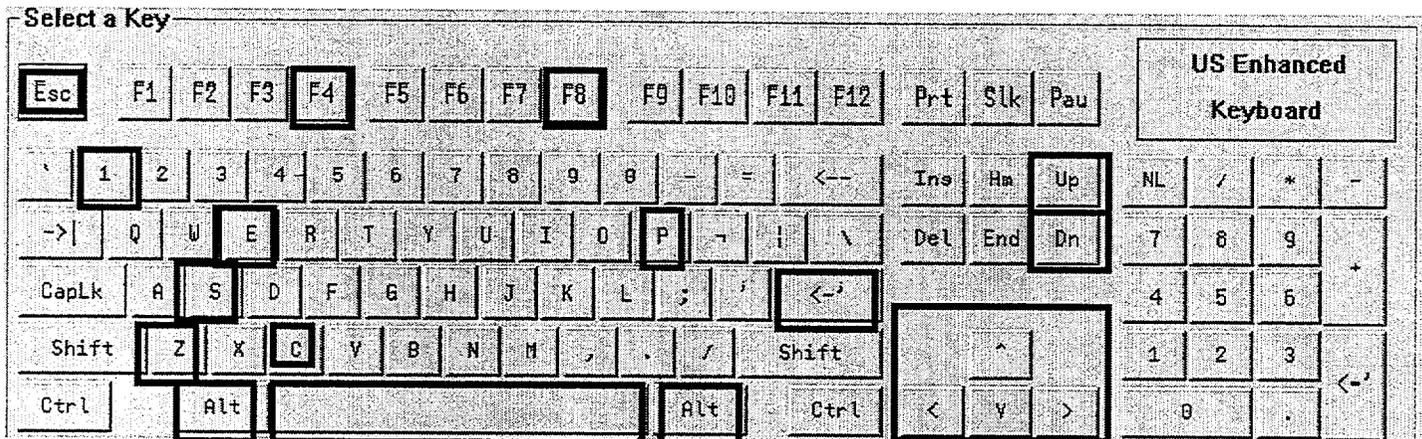


## RMS FIELD MEASUREMENT GUIDELINES

	RELEASE	SHELTER	EVACUATE
<u>RMS</u>		<u>mrem/hr</u>	
GAMMA DOSE RATE:	0.1	16.0	160
CHILD THYROID CDE DOSE RATE:	68.4	82.8	828
<u>FRISKER</u>		<u>Net CPM</u>	
AIR SAMPLE (CARTRIDGE):	100	120	1200
<hr/>			
Notify TSC Dose Calculator	ASAP	ASAP	IMMEDIATE

MAGENTA DATA:      Indicates the need for immediate consideration of field  
 (last column)            team protective actions

## RMS Keyboard Commands



**[S]**: System Summary Screen

**[E]**: View Event Log

**[1]**: Display MSP from Main Menu  
Return to MSP from Event Log

**[←], [↑], [↓], [→]** : Move Cursor (left, up, down, right) to select displayed radiological telemetry

**[ENTER]**: Inputs command / selection

**[PAGE UP]**: Pages Up Through System Formats

**[PAGE DOWN]**: Pages Down Through System Formats

**[ALT] [Z]**: Zoom MSP Maps In and Out

**[SPACE BAR]**: Silences Alarm

**[F4]**: Generate Report

**[ALT] [P]**: Print Generated Report

**[ESC]**: Previous Screen

**[ALT] [C]**: Clears OSCAR's Trail off MSP

**[F8]**: Transfers display source from EOF to TSC