

NUCLEAR OPERATING PROCEDURE		Procedure Number: NOP-OP-4103	
Title: Hot Spot Controls		Use Category: General Skill Reference	
		Revision: 01	Page: 2 of 5

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ATTACHMENTS

None

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- 1.0 PURPOSE
Provide guidance for identifying, tracking and controlling radiological Hot Spots.
- 2.0 SCOPE
This procedure addresses identification, surveying, and posting guidance for the control of Hot Spots.
- 2.1 Applicability
The sites and fleet radiation protection leadership are responsible for daily enforcement of fleet expectations.
- 3.0 DEFINITIONS
- 3.1 Hot Spot – A small, localized area with contact readings of more than 100 mrem/hour and more than 5 times the general area dose rates.
- 4.0 PROCEDURE DETAILS
- 4.1 Responsibilities
 - 4.1.1 Site Radiation Protection Manager – responsible for ensuring these Hot Spot controls are implemented.
 - 4.1.2 ALARA Supervisor – ensures:
 - Hot Spots are properly identified and posted.
 - Hot Spot dose rates are documented.
 - Evaluations are performed to mitigate or reduce the number and intensity of Hot Spots.
- 4.2 Hot Spot Identification, Surveying and Posting
 - 4.2.1 Upon identification of a Hot Spot, the Hot Spot will be given an identification number for tracking and trending purposes.
 - 4.2.2 For each identified Hot Spot, complete NOP-OP-4103-01, Hot Spot Identification Form.
 - This form should be retained electronically Hand written forms may be filled out. However, these forms should be scanned in to the computer and retained on the Hot Spot tracking database

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4.2.3 Normally, to facilitate tracking and trending of each Hot Spot, a unique Hot Spot identification tag will be affixed to each Hot Spot.

4.2.4 Procedural guidance for radiological posting is contained in NOP-OP-4102.

4.3 Hot Spot Tracking, Trending and Evaluation

4.3.1 Each Hot Spot identified will be entered into an electronic Hot Spot tracking database.

4.3.2 Radiation Protection shall evaluate the relative significance of the Hot Spot by completing Form NOP-OP-4103-02, Hot Spot Evaluation and determine the appropriate disposition.

4.4 Hot Spot Reduction/Elimination

4.4.1 With the assistance of other station groups, plan and schedule Hot Spot reduction/elimination actions in the On-Line Quarterly Schedule, including flushing on an ongoing basis for chronic/recurring Hot Spots.

4.4.2 Evaluate Hot Spot locations that no longer meet the dose rate criteria and determine if the posting should be removed or if the location should remain posted (e.g. chronic Hot Spots).

4.4.3 Notify Radiation Protection Supervision to have Hot Spot postings removed, as applicable.

4.4.4 When a Hot Spot is eliminated, no longer accessible, shielded, etc.

- The Hot Spot in the Hot Spot tracking database is to be updated to a status of INACTIVE
- The Hot Spot identification tag should be removed,
- The Close-out portion of Form NOP-OP-4103-02 should be completed.

4.4.5 A Hot Spot that has been deemed inactive shall remain in the database for future reference. Inactive Hot Spots no longer require monthly tracking.

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5.0 RECORDS

5.1 Records Handling

Records completed/generated by this procedure shall be handled in accordance with each plant's established records management program.

5.2 Records Capture

The following records are completed/generated by this document:

Quality Records

None

Non-Quality Records

Hot Spot Identification (NOP-OP-4103-01)

Hot Spot Evaluation (NOP-OP-4103-02)

6.0 REFERENCES

6.1 Discretionary

6.1.1 Multi-site

INPO 05-008, Guidelines for Radiological Protection at Nuclear Power Stations

6.2 Obligations

None

7.0 SCOPE OF REVISION

1. Eliminated the use of form NOP-OP-4103-03