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TO:

USNRC/WASHINGTON
JMCKNIGHT

Copy Number: 145

TRANSMITTAL NUMBER: 149809

PROCEDURE NUMBER: EI-8

TITLE: ONSITE RADIOLOGICAL MONITORING

TRANSMITTAL: LISTED BELOW ARE NEW/REVISED PROCEDURES WHICH MUST BE IMMEDIATELY INSERTED INTO OR DISCARDED FROM YOUR PROCEDURE MANUAL.

Action Required	Section or Description
REMOVE AND DESTROY	EI-8, R/12, COVERSHEET AND ATTACHMENT 1, PAGES 3-4
REPLACE WITH	EI-8, R/12, COVERSHEET AND ATTACHMENT 1, PAGES 3-4 EDITORIAL

SIGN, DATE, AND RETURN THE ACKNOWLEDGEMENT FORM WITHIN 10 DAYS TO THE PALISADES PLANT DOCUMENT CONTROL.

SIGNATURE OR INITIALS

DATE

PALISADES NUCLEAR PLANT
EMERGENCY IMPLEMENTING PROCEDURE

TITLE: ONSITE RADIOLOGICAL MONITORING

J. Bunt / 4/27/00
Procedure Sponsor Date

WWDoolittle / 4/25/97
Technical Reviewer Date

JSRidley / 4/24/97
User Reviewer Date

A045

ONSITE MONITORING TEAM LIST

SECTION 2: ASSEMBLY AREA MONITORING, OSC TO TSC STAIRWELL CAS AND SAS

- a. Upon completion of OSC activation and accountability, habitability monitoring of applicable Assembly Areas should commence. Other areas such as the stairwell from the OSC to the North Door of the TSC, and Security CAS and SAS should also commence.
- b. Monitoring may include surveys for radiation dose rates, airborne activity (iodine and particulate), and loose surface contamination at the entrance(s) to the area(s). If the area air concentration is ≥ 40 DACS, or radiation levels ≥ 100 mR/hr, immediately notify the OSC Director and the Assembly Area Leader.
- c. Monitoring should be at frequent, regular intervals during escalating portions of the emergency, and less frequent as stabilization is achieved, or when the emergency classification is downgraded.
- d. Assembly Areas:
 - 1. Assembly Area I - Control Room
 - 2. Assembly Area II - TSC
 - 3. Assembly Area III - Outage Bldg 2nd Floor
 - 4. Assembly Area IV - Support Bldg Reception Area 1e
 - 5. Assembly Area V - OSC - Lunchroom - Service Bldg
 - 6. Assembly Area VI - Men's Locker Room across from Lunchroom - Service Bldg
 - 7. Assembly Area VII - Lunchroom - Support Bldg
 - 8. Assembly Area VIII - Security Bldg
 - 9. Assembly Area IX - Mail Room in the Annex Trailers
- e. CAS (Central Alarm Station) - inside RCA.
- f. SAS (Secondary Alarm Station) - adjacent to Service Bldg elevator.

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- g. Stairwell from the OSC to the North Door of the TSC.
- h. Data Logged, Attachment 5.
- i. Data reported to OSC.

SECTION 3: PLUME TRACKING - OUTSIDE - ONSITE

NOTE: The following guidance is an aid only in initially locating and following the plume.

- a. Using given meteorological data and the site map, a fair idea can be obtained of the possible location of the plume.

NOTE: Plume location and dose rate information shall be reported as soon as possible. This information is vital for Dose Assessment and Protective Action Recommendations.

- b. Traverse the suspected area to determine the existence, outer boundaries, centerline, and respective dose rates of a release.
 - 1. Using a high range ion chamber, traverse the suspected area, monitoring the meter continuously.
 - 2. When an increase in dose rate is noted, record time, dose rate, and relative site location.
 - 3. Continue monitoring dose rate increases to the centerline, where the dose rate will be at a maximum. Periodically check open vs closed beta window dose rates for the presence of the plume at ground level.

NOTE: An Emergency Van with an Inverter, or some other power source is needed to power the Air Sampler. If power is unavailable, the Air Sample is not required.

- 4. At the centerline, unless high dose rates prohibit, obtain an air sample (iodine and particulate) and survey for dose rates at three inches and three feet from the ground. Check open and closed beta window dose rates, and take smear(s) for loose surface contamination. If centerline open/closed window readings indicates there is no ground level plume present, the air sample and surface contamination surveys may be omitted.