Date Entered: Feb 04, 2004

TO: USNRC/WASHINGTON
JMCKNIGHT Copy Number: 145

TRANSMITAL NUMBER: **258432**

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 2, PAGE 1 OF 1
REPLACE WITH	EI-8, R/12, COVERSHEET AND ATTACHMENT 2, PAGE 1 OF 1 EDITORIAL

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

SIGNATURE OR INITIALS _____ DATE _____

If applicable, REMOVE ALL travelers and marked up pages in front of this procedure.

A045

Procedure No EI-8
Revision 12
Effective Date 2/4/04

PALISADES NUCLEAR PLANT
EMERGENCY IMPLEMENTING PROCEDURE

TITLE: ONSITE RADIOLOGICAL MONITORING

Approved: JLFontaine / 2/3/04
Procedure Sponsor Date

New Procedure/Revision Summary:

Editorial

Specific Changes

AIR SAMPLE ANALYSIS SHEET

1. **RADIOLOGICAL DATA (Taken at Each Air Sample Location)**

   a. 3 foot: _____mR/hr(OW) - _____mR/hr(CW) X _____ [1]BCF = _____mrad/hr

   b. 3 inch: _____mR/hr(OW) - _____mR/hr(CW) X _____ [1]BCF = _____mrad/hr

   c. Ground Smear: _____cpm/100cm^2(Gross) - _____cpm (BKG) = _____cpm (Net)

   d. Location and Instrument Numbers: _____

   [1]BCF = Beta Correction Factor Date: _____ Time: _____

2. **AIR SAMPLE DATA**

   Consumers Energy Sampler No: _____

   Date: _____ Start Time: _____ Stop Time: _____

   Sample Duration _____ (min) X Flowrate _____ (cfm) = Total Volume _____ (ft^3)

   Corrected Volume (Particulate and Iodine):

   (Total Volume ft^3 _____) (0.90) (2.83E4 cc/ft^3) = _____ cc

3. **PARTICULATE AIR SAMPLE ANALYSIS**

   Instrument Model/Consumers Energy No PRM-6/_____ Efficiency

   Gross _____cpm - Background _____cpm = _____ccpm

   Calculation:

   $\mu Ci/cc = \frac{\text{ccpm}}{(\text{Corrected Vol } \_\_\_\_\_ cc)(\text{Eff } \_\_\_\_\_)(2.22E6 \text{ dpm}/\mu Ci)} = \_\_\_\_\_ \mu Ci/cc$

4. **IODINE SAMPLE ANALYSIS**

   Backside (Preferred) _____ Frontside _____ (Check One)

   Instrument Model/Consumers Energy No PRM-6/_____

   Gross _____cpm - Background _____ cpm = _____ccpm

   Calculation:

   $\mu Ci/cc = \frac{\text{ccpm}}{(\text{Corrected Vol } \_\_\_\_\_ cc)([2]CF \_\_\_\_\_ ccpm/\mu Ci)} = \_\_\_\_\_ \mu Ci/cc$

Completed By: _____ Reviewed By: _____

[2]Conversion Factor (CF) is 1.48E5 ccpm/µCi for backside count rates or 3.77E6 ccpm/µCi for frontside count rates. These factors are acceptable for reactor critical and up to 8 hr post reactor shutdown. After 8 hr post reactor shutdown, use Conversion Factors in Attachment 3, Table 1 or Table 2.