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October 16, 2002

US Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License Nos. DPR-42
Docket Nos. 50-306 License Nos. DPR-60

Prairie Island Emergency Plan
Implementing Procedures - F3

Emergency Response Plan Implementing Procedures

Furnished with this letter are the Prairie Island Nuclear Generating Plant Emergency Plan Implementing Procedures F3. This revision includes the following procedures:

INDEXES: Emergency Plan Implementing Procedures TOC

REVISIONS:
F3-13.5 Alternate Meteorological Data

Rev. 5

DELETIONS:
None

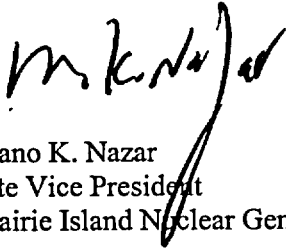
TEMPORARY CHANGE DELETIONS:
None

INSTRUCTIONS:

Please post changes in your copy of the Prairie Island Nuclear Generating Plant Emergency Plan Implementing Procedures. Procedures, which have been superseded or deleted, should be destroyed. Please sign and return the acknowledgment of this update to Bruce Loesch, Prairie Island Nuclear

A045

Generating Plant, 1717 Wakonade Drive East, Welch, MN 55089. If you have any questions, please contact Mel Agen at 651-388-1121 Extension 4240.



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- c: USNRC – Steve Orth, Region III (2 copies)
- NRC Resident Inspector (w/o attachment)
- M Agen (w/o attachment)
- Records Management (Doc Control Copy) (w/o attachment)
- NL File (w/o attachment)

Mfst Num: 2002 - 0822
FROM : Bruce Loesch/Mary Gadiant
TO : UNDERWOOD, BETTY J

Date : 10/14/02
Loc : Prairie Island

Copy Num: 515

Holder : US NRC DOC CONTROL DESK

SUBJECT : Revisions to CONTROLLED DOCUMENTS

Procedure #	Rev	Title
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Revisions:

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F3-13.5	5	ALTERNATE METEOROLOGICAL DATA
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UPDATING INSTRUCTIONS

Place this material in your Prairie Island Controlled Manual or File. Remove revised or cancelled material and recycle it. Sign and date this letter in the space provided below within ten working days and return to Bruce Loesch or Mary Gadiant, Prairie Island Nuclear Plant, 1717 Wakonade Drive E., Welch, MN 55089.

Contact Bruce Loesch (ext 4664) or Mary Gadiant (ext 4478) if you have any questions.

Received the material stated above and complied with the updating instructions

_____ Date _____

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Approved By: <i>Joyce Chitty / mg</i> BPS Supt	

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F3	ALTERNATE METEOROLOGICAL DATA	NUMBER: F3-13.5
		REV: 5

REFERENCE USE
<ul style="list-style-type: none">• <i>Procedure segments may be performed from memory.</i>• <i>Use the procedure to verify segments are complete.</i>• <i>Mark off steps within segment before continuing.</i>• <i>Procedure should be available at the work location.</i>

O.C. REVIEW DATE: 092302 SC	OWNER: M. Werner	Effective Date 10-14-02
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	ALTERNATE METEOROLOGICAL DATA	NUMBER:	F3-13.5
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1.0 PURPOSE

This procedure provides instructions to obtain meteorological data from alternate sources.

2.0 APPLICABILITY

This procedure **SHALL** apply to the Radiation Protection Group, Shift Emergency Communicators, Shift Supervisors and Shift Managers.

3.0 PRECAUTIONS

- 3.1 When using alternate meteorological data, **attempt** to obtain meteorological data that would be indicative of local meteorology first.
- 3.2 **Ensure** meteorological data is in the correct units prior to using data in performing dose calculations or transmitting to offsite authorities.

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4.0 PROCEDURE

4.1 ERCS Metdata Group Display

The primary meteorological tower supplies meteorological data to the Emergency Response Computer System (ERCS).

4.1.1 To gain access to the meteorological data on ERCS:

A. Type "GRPDIS" then press <ENTER>

B. After prompt, type "METDATA" then press <ENTER>

4.1.2 The display will respond with a list of meteorological data points along with the prompt: ENTER UPDATE RATE IN SEC (5-1800). Enter the desired update interval.

4.1.3 Proceed to Page 2 of 2 of METDATA to access 15 minute running averages.

NOTE:

Use 10 meter data from 10A sensor if reliable, otherwise use 10B, 60A, 60B, or 22 meter tower data.

4.1.4 Obtain the wind speed, direction and temperature.

4.1.5 Obtain DELTA TEMP A or DELTA TEMP B and determine the alphanumeric stability class using Table 1.

4.2 Lock and Dam #3


Ground level wind speed and wind direction are available from Lock & Dam #3 on a 24 hour/day, 365 day/year basis.

4.2.1 Contact the Lockmaster at Lock & Dam #3 by telephone at 388-5794.

NOTE:

Only wind speed and wind direction are available at Lock & Dam #3.

4.2.2 Obtain the wind speed and wind direction from the Lockmaster.

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4.2.3 Obtain the stability class from the Minneapolis National Weather Service in accordance with Step 4.3.

4.3 National Weather Service

Wind speed, wind direction and Pasquill Stability Class are available from the Minneapolis National Weather Service.

4.3.1 Contact the Minneapolis National Weather Service using either the telephone or the NAWAS, as per F3-13.6, Weather Forecasting Information.

4.3.2 Obtain the wind speed, wind direction and the Pasquill stability class for the local area.

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Table 1 Stability Class Determination

DELTA T (°F)/50m	STABILITY CLASS	WDS1 SIGMA THETA
<-1.71	A	> 23
-1.71 to -1.53	B	18 - 23
-1.52 to -1.35	C	13 - 18
-1.34 to -0.45	D	8 - 13
-0.44 to +1.35	E	4 - 8
+1.36 to +3.60	F	< 4
> 3.60	G	

A: Extremely unstable conditions

D: Neutral conditions

B: Moderately unstable conditions

E: Slightly stable conditions

C: Slightly unstable conditions

F: Moderately stable conditions

G: Extremely stable conditions

NOTE: $\Delta T(^{\circ}F) = (1.8) \Delta T(^{\circ}C)$