



444 South 16th Street Mall  
Omaha NE 68102-2247

April 4, 2002  
LIC-02-0043

U. S. Nuclear Regulatory Commission  
ATTN.: Document Control Desk  
Washington, DC 20555

Reference: Docket No. 50-285

**SUBJECT: Transmittal of Changes to Emergency Planning Forms (EPF)**

In accordance with 10 CFR 50.54(q), 10 CFR 50, Appendix E, Section V, and 10 CFR 50.4(b)(5), please find EPF change packages enclosed for the Document Control Desk (holder of Copy 165) and the NRC Region IV Plant Support Branch Secretary (holder of Copies 154 and 155).

The document update instructions and summary of changes are included on the Confirmation of Transmittal form (Form EP-1) attached to each controlled copy change package. Please return the Confirmation of Transmittal forms by May 13, 2002.

The revised documents included in the enclosed package are:

FC-EPF Index Page 2 of 2 issued 03/14/02  
FC-EPF-31 R2 issued 03/14/02

If you have any questions regarding the enclosed changes, please contact Mr. Carl Simmons at (402) 533-6430.

Sincerely,

R. T. Eidenoure  
Division Manager  
Nuclear Operations

RTR/ash

Enclosures

A045-

U. S. Nuclear Regulatory Commission

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c: Plant Support Branch Secretary (2 sets)  
Alan Wang, NRC Project Manager (w/o enclosures)  
W. C. Walker, NRC Senior Resident Inspector (w/o enclosures)  
Winston & Strawn (w/o enclosures)

OMAHA PUBLIC POWER DISTRICT  
Confirmation of Transmittal for  
Emergency Planning Documents/Information

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<input type="checkbox"/> Radiological Emergency Response Plan (RERP)	<input type="checkbox"/> Emergency Plan Implementing Procedures (EPIP)	<input checked="" type="checkbox"/> Emergency Planning Forms (EPF)
<input type="checkbox"/> Emergency Planning Department Manual (EPDM)	<input type="checkbox"/> Other Emergency Planning Document(s)/ Information	

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Transmitted to:

Name: Document Control Desk Copy No: 165 Date: \_\_\_\_\_  
Plant Support Branch Secretary Copy No: 154  
Plant Support Branch Secretary Copy No: 155

The following document(s) / information is forwarded for your manual:

REMOVE SECTION

FC-EPF Index page 2 of 2 issued 11/29/01  
FC-EPF-31 R1 issued 07/25/95

INSERT SECTION

FC-EPF Index page 2 of 2 issued 03/14/02  
FC-EPF-31 R2 issued 03/14/02

**Summary of Changes:**

FC-EPF-31 was revised to change the format and the sigma theta standard deviation of the horizontal wind direction was added.

  
\_\_\_\_\_  
Supervisor - Emergency Planning

I hereby acknowledge receipt of the above documents/information and have included them in my assigned manuals.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Please sign above and return by 05/13/02 to:

Karma Boone  
Fort Calhoun Station, FC-2-1  
Omaha Public Power District  
444 South 16<sup>th</sup> Street Mall  
Omaha, NE 68102-2247

**NOTE:** If the document(s)/information contained in this transmittal is no longer requested or needed by the recipient, or has been transferred to another individuals, please fill out the information below.

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**EMERGENCY PLAN FORMS INDEX  
FC-EPF**

FC-EPF-31	$\Delta T / d\theta$ Stability Class Chart	R2	03-14-02
FC-EPF-32	Area Monitor Trending	R0	06-10-93
FC-EPF-33*	Emergency Response Facility Computer System (ERFCS)	R1	07-02-96
FC-EPF-34	MRC Director Checklist	R0	06-23-93
FC-EPF-35	Iowa EOC Route Map (double-sided)	R0	06-21-94
FC-EPF-36	Briefing Guidelines	R3	10-22-01
FC-EPF-37	Operations Liaison Out of Service Equipment List	R0	07-11-95
FC-EPF-38	Blair Industrial Park CO-OP	R6	12-05-00
FC-EPF-41	Emergency Planning Simulator Critique	R0	09-30-98
FC-EPF-42	Emergency Action Levels	R0	07-16-99
FC-EPF-43	Update Report to Offsite Authorities	R0	11-29-01

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**$\Delta T/\sigma\theta$  STABILITY CLASS CHART**

<b><math>\Delta T</math> Temperature Change With Height (°C/100 m)</b>	<b><math>\sigma\theta</math> Standard Deviation of the Horizontal Wind Direction (Degrees)</b>	<b>Pasquill Stability Class</b>
<b><math>\leq -1.9</math></b>	<b><math>\sigma\theta \leq 22.5</math></b>	<b>A Extremely Unstable</b>
<b><math>&gt; -1.9</math> to <math>\leq -1.7</math></b>	<b><math>22.5 &gt; \sigma\theta \leq 17.5</math></b>	<b>B Moderately Unstable</b>
<b><math>&gt; -1.7</math> to <math>\leq -1.5</math></b>	<b><math>17.5 &gt; \sigma\theta \leq 12.5</math></b>	<b>C Slightly Unstable</b>
<b><math>&gt; -1.5</math> to <math>\leq -0.5</math></b>	<b><math>12.5 &gt; \sigma\theta \leq 7.5</math></b>	<b>D Neutral</b>
<b><math>&gt; -0.5</math> to <math>\leq 1.5</math></b>	<b><math>7.5 &gt; \sigma\theta \leq 3.8</math></b>	<b>E Slightly Stable</b>
<b><math>&gt; 1.5</math> to <math>\leq 4.0</math></b>	<b><math>3.8 &gt; \sigma\theta \leq 2.1</math></b>	<b>F Moderately Stable</b>
<b><math>&gt; 4.0</math></b>	<b><math>2.1 &gt; \sigma\theta</math></b>	<b>G Extremely Stable</b>

**Delta Temperature ( $\Delta T$ )** is the temperature difference between 10 and 60 meters multiplied by two, in units of centigrade. The ERFCS displays  $\Delta T$  as °C/100 m.