



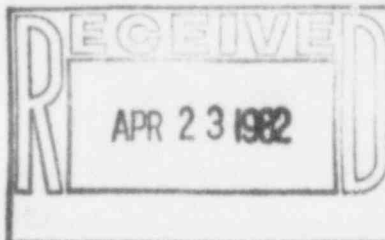
Nebraska Public Power District

GENERAL OFFICE
P.O. BOX 499, COLUMBUS, NEBRASKA 68601-0499
TELEPHONE (402) 564-8561

LQA8200130

April 20, 1982

Mr. John T. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011



Reference: 1) Letter to J. T. Collins from J. M. Pilant
dated March 19, 1982

Subject: Reanalysis of EWS Mobile Sirens

Dear Mr. Collins:

This letter is written to fulfill commitments made by NPPD per Reference 1. The District was to provide the information requested in Items 2 and 3 by April 20, 1982. The following are the responses to these items.

Item 2

The licensee shall provide an analysis of the minimum number of mobile siren units (in addition to the fixed stations) necessary for emergency notification, for each of the following areas: Peru, Brownville, Nemaha, Shubert, Rock Port, and Watson.

Item 3

The licensee shall provide revised route maps to reflect the minimum number of necessary mobile sirens identified in item 2 above.

Response

The original number of routes required and mobile sirens needed was based on limited input from the Volunteer Fire Departments. In providing a reanalysis of routes, NPPD personnel drove the assigned routes to determine the time required to drive each route. The times required for each route are given in Enclosure 1. From the enclosure it can be seen that the majority of the routes in the 5-10 mile radius can be driven in time limits as per the specified guidance. In the 0-5 mile radius it was found that there were routes that could not be completed within the desired time limits. It should also be noted that when District personnel were driving these routes, the driving conditions were much less than ideal due to inclement weather.

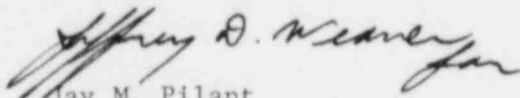
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As a result of this reanalysis, the Early Warning System in these areas will be upgraded by revising present mobile siren routes to reduce time required for notification. This upgrading will include a review of the need to install additional fixed sirens in areas where it may not be feasible to use mobile sirens. When the revised route maps are complete, NPPD personnel will drive these routes using the procedure contained in EPIP 5.7.27 to determine the notification times. These times will then be compared to the specified guidance to see if further upgrading is required. It is anticipated that all upgrading will be completed within 120 days of the date of this letter.

The EPIP 5.7.27, which contains the route maps, are transmitted as Enclosure 2 to this letter.

If you have any further questions concerning this issue, please contact my office.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jay M. Pilant", with a stylized flourish at the end.

Jay M. Pilant
Division Manager of Licensing
and Quality Assurance

JMP:GMC:WHR:cmk

Enclosures

Enclosure 1

Table of Actual Driving Times

<u>Location</u>		<u>Radial</u>	<u>Required</u>	<u>Revision Status</u>
<u>Route Designator</u>		<u>Distance</u>	<u>Driving Time *</u>	
<u>Peru</u>				
Route 1		5-10 mi.	8	To be Combined
2		5-10 mi.	45	with Route 4
3		5-10 mi.	45	Being Revised
4		5-10 mi.	40	Being Revised
<u>Brownville</u>				
Route 1		0-5 mi., 5-10 mi.	46	Being Revised
2		5-10 mi.	45	Being Revised
3		0-5 mi.	45	Being Revised
4		0-5 mi.	26	Being Revised
<u>Nemaha</u>				
Route 1		0-5 mi., 5-10 mi.	50	Being Revised
2		5-10 mi.	37	Being Revised
3		0-5 mi.	30	No Revision
4		0-5 mi.	35	Being Revised
<u>Shubert</u>				
Route 1		5-10 mi.	44	No Revision
2		5-10 mi.	35	Being Revised
Richardson County Sheriff 3		5-10 mi.	20	No Revision
<u>Nemaha County Sheriff</u>				
Route 1		5-10 mi.	36	Being Revised
2		5-10 mi.	25	Being Revised
<u>Rock Port</u>				
Route 1		0-5 mi., 5-10 mi.	43	Being Revised
2		0-5 mi., 5-10 mi.	28	Being Revised
3		0-5 mi., 5-10 mi.	38	Being Revised
4		5-10 mi.	35	Being Revised
5		5-10 mi.	45	No Revision
6		5-10 mi.	42	No Revision
7		5-10 mi.	85	Route 7 to be split into 2 routes

* All times are in minutes.

Enclosure 1

Table of Actual Driving Times

<u>Location</u>				
		Radial	Required	
<u>Route Designator</u>		<u>Distance</u>	<u>Driving Time *</u>	<u>Revision Status</u>
<u>Watson</u>				
Route 1		5-10 mi.	45	No Revision
2		0-5 mi., 5-10 mi.	33	No Revision
3		5-10 mi.	43	Being Revised
4		0-5 mi., 5-10 mi.	40	Route 4 to be added

Date: 3-22-82

CNS OPERATIONS MANUAL
PROCEDURE CHANGE NOTICE

Volume: 5 Procedure No.: 5.7.27 Rev. No.: 0

Title: Early Warning System

Originator(s): J. Sayer

Reason For Change: ☐ Design Change ☐ Review Schedule

Other (Explain In Detail And Attach Revisions):

New procedure - explains the early warning system, both fixed and mobile sites are discussed.

Testing of the fixed sites in Nevada and Arizona counties are discussed, but coordination of this effort has not been completed at this time.

Coordination is expected to be completed within 60 days and the stated frequency implemented.

(Route To The Responsible Department Supervisor)

Other Procedures Affected: _____

Procedure Change Reviewed By SORC And Approved By Station Superintendent:

SORC INITIALS	
E	
M	<u>4/7</u>
C & HP	<u>4/7</u>
O	<u>4/7</u>
QA	<u>4/7</u>

Procedure Change Submitted To SRAB: ☐ Yes

Approved Procedure Routed To Licensed Operators: ☐ Yes ☒ No

Marked Up Copy Of Revision Maintained In The ☐ Yes ☒ No Control Room:

Station Superintendent: R. L. Linn Date: 4-17-82

Procedure Typed By: Dorbie Bantz Date: 4/8/82

Changed Verified By: Jerry Bayan Date: 4/14/82
(Responsible Department Head)

(Route Completed Form To Document Control
For Microfilming And Final Disposition)