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ATTACHED

PROCEDURE 1: LZP 1440-1 REVISION: SX2

[illegible]

COMMENTS: _____

SOURCE CODE: C.E.
S&L
G.E.
by casing
Other

Note: Indicate by title and/or number the specified document needed to resolve deficiency
if possible.

ON-SITE GSEP COMMUNICATIONS SYSTEMS

A. PURPOSE

The purpose of this procedure is to describe the various available communications systems and to provide guidance for their usage.

B. REFERENCES

1. Generating Stations Emergency Plan (GSEP) Sections 7.2.3 and LaSalle Annex 7.2.
2. L2P 1310-1, "Notifications."
3. AIR 1-82-59.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. An inherent problem has been discovered with the new (4 wire) Emergency Notification System (ENS) telephone circuit.

After a call has been established (the originator of the call makes no difference) and terminated on the ENS circuit, if a receiver is picked up at a facility before the circuit light is off, the telephone circuit for that facility will "lock up". This results in the facility not being able to call out on the ENS circuit and the NRC Headquarters not being able to call the facility. After "lock up" occurs a telephone serviceman will be required to disconnect and reconnect the phone circuit at the Headquarters switchgear.

To prevent "lock up" from occurring, a second call is not to be established within 20 seconds after the original call. NRC Headquarters will be monitoring all ENS phone line indicators and will inform the facility when lock up occurs and provide a commercial phone number to use to contact NRC Headquarters. In addition, the NRC will contact the telephone company and initiate the necessary action to release "lock up". (Reference 3)

E. LIMITATIONS AND ACTIONS

1. None.

F. PROCEDURE

1. NARS - Nuclear Accident Reporting System.
 - a. Identified by its GREEN color.
 - b. Party line system with selective dialing to the following, and a dedicated line to:
 - 1) Control Room.
 - 2) On-Site Technical Support Center.
 - 3) Corporate Command Center.
 - 4) System Power Supply Office.
 - 5) Nearsite Emergency Operations Facility.
 - 6) ESDA - Emergency Services and Disaster Agency, Springfield.
 - 7) IDNS - Illinois Department of Nuclear Safety.
 - 8) LaSalle County Sheriff.
 - 9) Grundy County Sheriff.
 - 10) Grundy County EOC.
 - c. This system shall be used for purposes of notifying State and local authorities in the event of an emergency.
 - d. When using the NARS a Nuclear Accident Reporting Form shall be completed (Reference 2 Attachment C).
 - e. The LSCS NARS Dial Code to be used is number 25. By dialing this number the NARS System will link all points noted in F.1.c.
 - f. If repairs for the NARS System are required telephone 800-892-9391 for assistance IMMEDIATELY.

2. Microwave communications.

a. Microwave voice channel.

- 1) Identified by its GRAY color.
- 2) Provides communications between the following:
 - a) Corporate Command Center.
 - b) Nearsite EOP.
 - c) Shift Engineers Office.
 - d) Onsite TSC.

b. Microwave radio link.

- 1) Provides communications between the following:
 - a) Corporate Command Center.
 - b) Onsite TSC.
 - c) Control Room.
 - d) Nearsite EOP.
 - e) Environs field teams (handie-talkies).
 - f) Mobile units.
- 2) GSEP and Divisions radio's both use frequency 153.590 MHz with priority usage of the frequency as follows:
 - a) Divisions have priority usage if an Emergency Restoration of Power (ERP) condition arises during a GSEP drill or exercise.

NOTE

During an ERP, the GSEP organization will use the radio frequency as sparingly as possible and for brief messages only. The radio consoles will be used as hard-wire equipment to communicate between

support centers and the Corporate Command Center (CCC).

- b) GSEP organizations will have priority usage should an actual GSEP Emergency exist, simultaneously with an ERP condition.
- 2) Radios equipped with scramble capability are normally operated in the scramble mode.

NOTE

Most mobile units do not have scramble capability.

- 4) The TSC communicator should broadcast the base station call letters (WGH 259) every 15 minutes.

3. NRC Emergency Notification System (ENS).

- a. A direct communications telephone to the NRC Emergency Notification System (ENS), is located in the Control Room with extensions located in the NRC Resident Inspector's office, Shift Engineer's Office, Nearsite EDF and the Technical Support Center. This phone, when lifted, automatically connects the Station directly with NRC Region III Headquarters in Glen Ellyn, Illinois with Automatic call forwarding to the NRC Operations Center in Bethesda, Maryland.

NOTE

To prevent "lock up" of the ENS phone line from occurring, a second call is not to be established within the first 20 seconds after the original call has been made (PRECAUTION No. 1).

- b. If the NRC Hotline (ENS), RED phone, is NOT operational, the following alternative methods of notification should be attempted in the order listed.

- 1) Commercial Telephone System 301/492-3111

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to NRC Operations Center
(via Bethesda Central Office)

2) Commercial Telephone System 301/427-4056
to NRC Operations Center
(via Silver Spring Central Office)

3) Health Physics Network to #22 (Touch-Tone)
NRC Operations Center 02 (3000, Dial
on print,
has 2-)) after
the word Dial

4) Commercial Telephone System 301/427-7000
to NRC Operator
(via Bethesda Central Office)

- c. Notification requirements are given in Reference 2.
- d. The extension of the NRC Hotline phone (ENS) located in the Technical Support Center will be used to establish the continuous communications with the NRC.
- e. The person assigned to communicate messages over this telephone will normally be the Engineering Assistant for Operations or another management person on shift assigned by the Shift Engineer. However, the primary responsibility of Station Management is to place and maintain the plant in a safe condition. Activities such as evaluating conditions and directing and assisting operators take precedence over providing a person for continuous communications with an outside organization.
- f. All information given over this telephone will be designated as unofficial and preliminary until it is reviewed and approved by the Command Center.
- g. During the course of an event, the NRC Inspectors will use this phone to report information related to the incident.
- h. The NRC will originate a test call of each Station daily on the midnight-to-eight shift.

The NSC shall be alert to answer this call for test purposes and shall also provide the NRC with the following information about each unit:

| | | |
|----------------|---|---------------------------------|
| Condition | - | Operating or Shutdown |
| When Operating | - | Output MW Gross Deratings |
| When Shutdown | - | Conditions Reason for Outage |

4. NRC Health Physics Network Selective Signaling System (HPN).

- a. A phone designated as the Health Physics Network Selective Signaling System (HPN) is located in the NRC Resident Inspector's office, Rad/Chem Supervisor's office, Emergency Operations Facility (EOF) and the Technical Support Center (TSC). After dialing #23 or #22, this phone will connect the station with the NRC Region III Headquarters in Glen Ellyn, Illinois, and the NRC Operations Center in Bethesda, Maryland.
- b. The NRC Health Physics Network (HPN) phone is intended for use during an event requiring continuous and uninterrupted communications between the Station, the NRC Regional office and the NRC Operations Center in Washington, D.C., regarding radiological and environmental matters. The requirement for manning this phone will be based on the evaluation of environment consequences of the GSEP event by the Station Director, followed by the on-going evaluation of plant on-site and off-site conditions by the Station Director and the Command Center Director. The Rad/Chem Supervisor's primary responsibility is management of station Rad/Chem activities, and he is not to become unduly tied to any telephone. When required, an appropriate management person shall be designated to act as a communicator.
- c. When using the HPN phone system the following points should be noted:

- 1) Dial number #23 for connection with the NRC Regional office, Glen Ellyn, Illinois. Number #22 for the NRC Operations Center.
- 2) No dial tone will be heard when lifting the receiver to dial.
- 3) No audible ringing signal will be heard after dialing.
- 4) If there has been no answer after 30 seconds dial again.
- 5) An automatic time-out period has been incorporated into this system to prevent a tie-up if only one digit has been dialed. This requires that the desired number must be dialed within 6 seconds or the call will not complete.

NOTE

If the HPN phone used is of the touch tone type, the "Star" button must be pushed before dialing 23 or 22.

- 6) Calls made during normal business hours of 7:00 a.m. to 4:30 p.m. C.S.T. should go to the Regional office. All calls during other times should go to the Headquarters office.

5. Station GSEP Communication Systems.

- a. A dedicated phone system, identified by the color YELLOW, exists between the Technical Support Center, Nearsite EGF and the Corporate Command Center.
- b. A dedicated phone system, identified by the color BLACK, exists between the Control Room and the Technical Support Center.
- c. A dedicated phone system, identified by the color BLACK, exists between the Control Room and the Operations Support Center.

6. In addition to Communications Systems provided specifically for emergency conditions the following

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(final)

intraplant and plant-to-off-site communications may be employed:

- a. The Station Public Address System.
- b. Station Dial Telephone System.
- c. Television System - Security Plan.
- d. Microwave System.
- e. Intraplant Radio System.
- f. Plant-to-off-site Radio System.
- g. Sound-Powered Telephone System.
- h. All Pager Call System.

G. CHECKLISTS

- 1. None.

H. TECHNICAL SPECIFICATION REFERENCES

- 1. None.