

ARES/RACES Communications

**Implementing Procedure for incidents at the
Limerick Generating Station (LGS)**

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Limerick Nuclear Generating Station

Berks County ARES - RACES Emergency Plan



[Limerick Generating Station](#) is located in southeastern Pennsylvania, about 20 miles northwest of Philadelphia in Montgomery County. The station is built on a 600-acre site, and draws its cooling water from the Schuylkill River. Its Units 1 and 2 began commercial operation in February 1986 and January 1990, respectively.

Both of Limerick's units are boiling water reactors designed by General Electric. Each unit is capable of generating nearly 1,200 net megawatts and together they can produce enough power to support the electricity needs of more than two million average American homes.

Limerick's Site Vice President is [Ron DeGregorio](#).

Limerick's Plant Manager is [Chris Mudrick](#).

Emergency Planning:

Limerick employs a sophisticated emergency response plan to protect public health and safety. Both the Nuclear Regulatory Commission (NRC) and the state of Pennsylvania approved the plan. The [Emergency Plan](#) includes coordination with local counties, municipalities and school districts.

Berks County ARES-RACES Communications

Implementing Procedure for Incidents
at the Limerick Generating Station

Revision 11/04

Part 1: Concepts

I. Purpose

To assist the ARES-RACES Communications Staff in accomplishing their responsibilities during an incident at the Limerick Generating Station.

II. Responsibilities

(1) General:

Coordination of amateur radio activities during emergency Operations

(2) Specific:

(a) [ARES-RACES Officer:](#)

Ensures staffing of amateur radio nets both in the EOC and field locations during incidents.

Ensures that strict net control procedures are followed on all amateur radio frequencies.

Ensures efficient performance of all radio operators and net controls within the amateur radio frequencies.

(b) [Radio Operators:](#)

Report to assigned locations, checks in with person in charge and if at field locations, reports in to net control.

III. Related Agencies

(1) Message Center Staff

Coordinates the operations of the message center.

(2) Mass Care Coordinator

Coordinates operations of all mass care and reception centers.

(3) Radiological Officer

Coordinates radiological equipment and issues.

Part 2: Response Actions

ARES-RACES Officer

Unusual Event - No response required

Alert

1. Receive notification from Emergency Management and report to the EOC.
2. Upon arrival at [EOC](#), check in and retrieve file containing necessary material for operators.
3. Notify radio operators and assign radio operators to the following locations:
 - (a) Net control at the County EOC (provide list of names to EOC Security)
 - (b) Risk municipalities (Amity, Colebrookdale, Douglass, Earl, Union, Washington Townships and Boyertown Borough)
 - (c) Risk school districts (Boyertown and Daniel Boone) only if school is in session.
4. Check operation of ARES-RACES radio equipment, verify operability and report any problems to the operations officer.
5. Provide procedure, message flow procedures and message forms to net control operators.
6. Provide procedure and message forms to field location operators and brief before dispatching.
7. Ensure net control operators have established communication links with PEMA Eastern Region, Chester and Montgomery Counties and field locations.
8. Dispatch operators to support municipalities as requested and to mass care centers as they are opened.

- 9.** Complete the following throughout the incident:
- (a) Follow message flow procedures
(*reference Attachment A*)
 - (b) Provide in writing to computer operator items for posting on status board.
 - (c) Notify operations officer IMMEDIATELY of any items that may impact county response to incident. (Note: If unsure, ask)
- 10.** Provide status reports periodically or as needed to communication coordinator and radio operators.
- 11.** Review procedures for site area and general emergency.
- 12.** If notified of an escalation or reduction of incident, implement the appropriate procedures for that incident classification.
- 13.** If notified of a termination of incident
- (a) Notify all parties previously contacted.
 - (b) Collect procedures used, logs and message forms from net control and field location operators.
 - (c) Collect your journals, records etc. Attach to this procedure and submit with net control and field location materials to operations officer.
 - (d) Place all unused supplies, forms, etc. in the operations file.
 - (e) Brief the operations officer before leaving the EOC.
 - (f) Provide detailed of all cost incurred and any damages to EMA.

Site Area and General Emergency

1. Perform items 1 through 10 under Alert if not already completed.
2. Place radio operators on shifts to ensure maintenance of 24-hour coverage on control nets and all field locations.
3. Advise communication coordinator of any problems or needs.
4. Review procedures for recovery.
5. If notified of an escalation or reduction of incident, implement the appropriate procedures for that incident classification.
6. If notified of recovery phase, implement recovery procedures.
7. If notified of a termination of incident:
 - (a) Notify all parties previously contacted.
 - (b) Collect procedures used, logs and message forms from net control and field location operators.
 - (c) Collect your journals, records, etc. Attach to this procedure and submit with net control and field location materials to operations officer.
 - (d) Place all used supplies, forms, etc. in the operations file.
 - (e) Brief the operations officer before leaving EOC.
 - (f) Provide detailed list of all cost occurred and any damages to EMA.

Net Control Operators

Unusual Event - No response required

Alert, Site Area and General Emergency

- 1.** Receive notification from ARES/RACES Officer and report to the Emergency Operations Center (EOC).
- 2.** Upon arrival at EOC, report to the ARES-RACES Officer to receive assignment and necessary materials.
- 3.** Set up radio equipment, check operations and report status to ARES-RACES Officer.
- 4.** Establish and maintain communication links with the following locations:
 - (a) Montgomery County
 - (b) Chester County
 - (c) PEMA Eastern Region
 - (d) other field locations as they open
- 5.** Provide status reports to ARES-RACES Officer as required.
- 6.** Follow message preparation and handling procedures (reference Attachment A).
- 7.** If notified of a termination of incident:
 - (a) Collect logs, records, etc., attach to this procedure and submit to the ARES-RACES Officer.
 - (b) Secure all radio equipment.
 - (c) Brief ARES-RACES Officer before leaving the EOC.

Field Location Operators

Unusual Event - No response required

Alert, Site Area and General Emergency

1. Receive notification from ARES/RACES Officer, receive assignments and report to assigned location when directed.
2. Upon arrival at field location, report to person in charge.
3. Set up radio equipment, check operations and report report in to net control at County EOC.
4. Log all messages (refer to Attachment B).
5. Inform person in charge of any needs or problems.
6. If notified of a termination of incident:
 - (a) Collect logs, records, etc., attach to this procedure and submit to the ARES-RACES Officer.
 - (b) Secure all radio equipment.
 - (c) Brief ARES-RACES Officer before leaving location.

Part 3: Recovery: Re-entry, Return and Relocation

- 1.** Receive notification from operations officer.
- 2.** Notify ARES/RACES field locations of recovery order.
- 3.** Notify and maintain a list of available radio operators.
- 4.** Assign radio operators to risk municipalities as they reopen.
- 5.** Assign radio operators to transportation staging area at Reading Mall.
- 6.** Ensure net control operators have established communication links with field locations.
- 7.** Provide procedure and message forms to field location operators before dispatching.
- 8.** Respond to requests for assistance.
- 9.** Monitor recovery operations and provide status reports to the communications coordinator.
- 10.** At termination of incident implement the following:
 - (a) Notify all parties previously contacted.
 - (b) Collect procedures used, logs and message forms from net control and field locations operators.
 - (c) Collect your journals, records, etc. Attach to this procedure and submit with net control and field location materials to operations officer.
 - (d) Place all unused supplies, forms, etc. in the operations file.
 - (e) Brief the operations officer before leaving the EOC.
 - (f) Provide detailed list of all cost occurred and any damages to EMA.

Attachment A

Communications Message Preparation and Handling

Outgoing Messages

- 1.** Message forms will be used for all messages to be sent by radio, messenger, telefax and or PaStar to points outside the EOC.
- 2.** For tests, drills or exercises the word "EXERCISE" will be the first and last word in the message.
- 3.** The message center will record the message and send the message form to the radio operator for transmittal.
- 4.** Upon completion of the transmission, the radio operator will write the time by the appropriate line (number 7) next to the mode of transmission used.
- 5.** The operator will tear off the pink copy and forward the remaining copies to the message center.
- 6.** Once permanently filed, original messages will not be given out. Copies will be made if anyone needs them.

Incoming Messages

1. Message forms will be used for all messages coming in by radio.
2. For tests, drills or exercises the word "EXERCISE" will be the first and last word in the message.
3. The message will be prepared in triplicate.
4. The operator will complete numbers (1) through (7) and check "Incoming" in the box top left.
5. All three copies will be taken to the message center. Message center will number the message and return pink copy to the radio operator.
6. Incoming messenger /PaStar/telefax messages will be sent straight to the message center.
7. Once permanently filed, original messages will not be given out. Copies will be made if anyone needs them.