

Federal Emergency Management Agency

Washington, D.C. 20472

MAR | 4 1986

MEMORANDUM FOR: Edward L. Jordan, Director

Division of Emergency Preparedness and

Engineering Response

Office of Inspection and Enforcement

Nuclear Regulatory Commission

FROM:

Richard W. Krimm Assistant Associate Director

Office of Natural and Technological Hazards

SUBJECT:

Medical Services Information for the Shearon Harris

Nuclear Power Plant

This is in partial response to your request of September 13, 1985, for medical services information on several nuclear power Near-Term Operating Licenses (NTOL). For these NTOL's, you requested that the Federal Emergency Management Agency (FEMA) confirm that the offsite emergency plans include a list of local or regional medical facilities which have capabilities to provide treatment for radiation exposure.

The following extracts from the State radiological emergency offsite preparedness plans that support the Shearon Harris Nuclear Power Plant are attached:

Part 1, State Procedures to Support the Shearon Harris Nuclear Power Plant, IV. EXECUTION, Section V.B., "Medical and Public Health Support," pages 65 through 70, North Carolina Emergency Response Plan In Support of the Shearon Harris Nuclear Power Plant, Revision 1, September 1984.

Hospitals and medical centers in North Carolina in the vicinity of the Shearon Harris Nuclear Power Plant are listed that have been identified for treatment of radiologically contaminated individuals. The Radiation Protection Section of the North Carolina Department of Human Resources maintains lists and locations of other hospitals at greater distances from the plant that will provide back-up support and that could be called upon to provide assistance if needed.

This information is confirmation that a list of medical facilities has been identified for use in case of an emergency at the Shearon Harris Nuclear Power Plant.

If you have any questions, please contact Mr. Marlow J. Stangler, Technological Hazards Division, at 646-2856.

Attachments As Stated



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In support of the Shearon Harris

Nuclear Power Plant
Feb. 1984

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- c. Further laboratory analysis assistance is available from SMRAP Signatory States.
- 4. Resources Support Coordination.
 - a. Resources and support assistance from sources external to State and local governments may be required to conduct emergency operations within the EPZ. To assure that these resources are committed in an efficient and effective manner, the SERT leader will designate a SERT member to serve as the State's representative at the Shearon Harris Plant Emergency Operations Facility.
 - b. Carolina Power and Light Company will designate a company representative to serve with SERT.
 - c. Each county within the plume pathway EPZ will designate a representative to serve with SERT as a representative of their respective Board of County Commissioners.
- B. Medical and Public Health Support.
 - Hospital and Medical Services for Contaminated Individuals.
 - a. RPS systematically visits and evaluates the capabilities, procedures, and willingness of North Carolina hospitals to accept and treat radiation accident victims. The evaluation form used for this is shown in Figure 13.
 - o. Few hospitals in the State have the internal capability to evaluate radiation exposure and internal contamination. These limitations are adequately compensated for by the following:
 - (1) RPS has executed formal agreements with three in-state corporations (General Electric Corporation, Carolina Power and Light Company, and Duke Power Company) which have whole body counting equipment to be used in support of the emergency response plan. In addition, the Federal government and its contractors can provide whole body counting assistance.
 - (2) DHR and several medical institutions in the State are capable of providing urinalysis to determine body burdens of radioactivity in victims. This is supplemented through available support from Federal and private commercial laboratories.

RADIATION ACCIDENT HOSPITAL EVALUATION CHECK SHEET

	Hospital Name
	Address including Zip Code
Persons to contact:	24-Hour phone numbers, extension, A/C
Will facility accept contam	inated patients?, but only if
Survey equipment available:	
[] Check if Alpha detection	capability available
A. Meters	Range
B. Others (imaging equip	oment or calibrators)
Written emercency	
Written emergency procedures	
Inspector's comment concer cope with an emergency:	ning the facility and its ability to

Figure +4

- (3) RPS is prepared to arrange for complex blood studies to assess the amount of whole body radiation exposure. This includes the use of limited capabilities at major State medical institutions and services provided by Federal (NRC) agencies and their medical consultants.
- (4) In addition to available local and regional hospitals, RPS has made special arrangements with the Oak Ridge Radiation Emergency Assistance Center/Training Site (REAC/TS), Oak Ridge, Tennessee to provide expert consultation for attending physcians and state-of-the art facilities for care and treatment of severe radiation.
- 2. RPS standard procedures and reference materials related to medical support include:
 - a. Map showing the location of all hospitals that can provide medical support for victims of radiological accidents.
 - Current lists of names, addresses, phone numbers and administrators of all hospitals.
 - c. Copies of evaluation reports showing each hospital's capabilities, needs, willingness to accept contaminated patients, and their notification procedures.
 - d. Copies of each hospital's emergency response plans for radiation accident victims.
 - e. Procedures for selecting appropriate facilities to receive contaminated victims and for determining the quantity and type of support to be provided to those facilities.
- 3. The following local and regional hospitals in the vicinity of the Shearon Harris Plant will support the plant and the surrounding communities in the event of a radiological emergency. All hospitals listed are capable of treating contaminated injured patients, however, Duke University Medical Center, Rex Hospital and North Carolina Memorial Hospital have the additional capabilities and expertise to treat victims of severe radiation exposure. (RPS maintains lists and locations of other hospitals at greater distances from the plant that will provide back-up support.)
 - * a. Duke University Medical Center, Durham, N.C. 27710 Telephone: 919/684-2713

Administrator: William J. Donelan

Bed Capacity: 1008

Durham, N.C. Location:

Yes(Between North and South Heliport:

Hospitals)

Distance from Shearon Harris Plant: 33 miles

Contact Person(s): Conrad Knight

919/684-2194 (Office) 919/544-1954 (Home) David B. Jorgensen 919/684-2194 (Office) 919/383-6117 (Home)

Hospital has a plan to treat 15 patients.

Wake County Medical Center, Raleigh, N.C. b. 919/755-8500

Telephone: Administrator: Raymond Champ, President

576

Bed Capacity: 3000 New Bern Avenue Location: Yes (Near Emergency Room) Heliport: Distance from Shearon Harris Plant: 31 miles Contact Person(s): Emergency Room 919/755-8500

Hospital has a plan to treat 3 patients.

Central Carolina Hospital, Sanford, N.C. 919/774-4100 Telephone:

Administrator: Phillip Shaw

142 Bed Capacity:

1135 Carthage Street Location:

No Heliport:

Distance from Shearon Harris Plant: 26 miles Contact Person(s): Emergency Rodm 919/774-4100 Hospital has a plan to accept 10 persons or more if required.

Raleigh Community Hospital, Raleigh, N.C. Telephone: 919/872-4800 Ext. 270

Administrator: Harrison T. Ferris

238 Bed Capacity:

3400 Old Wake Forest Road Location:

Heliport:

Distance from Shearon Harris Plant: 29 miles Contact Person(s): Emergency Room 919/872-4800 Ext. 270 Hospital has a plan to treat two patients but could expand to four or more.

Rex Hospital, Raleigh, N.C. e. 919/755-3100 Telephone:

John R. Willis, Exec.Director Administrator:

Bed Capacity: 394

4420 Lake Boone Trail Location:

No (Could use parking lot near Heliport:

Emergency Room)

Distance from Shearon Harris Plant: 22 miles Contact Person: Emergency Room Charge Nurse 919/755-3100

Hospital has a plan to treat 35 to 45 contaminated patients at one time and is the primary hospital for the Shearon Harris Plant.

* f. North Carolina Memorial Hospital at Chapel Hill, Chapel Hill, N.C.

Telephone: 919/966-4131

Administrator: Eric B. Munson, Director

Bed Capacity: 665

Location: Chapel Hill, N.C.

Heliport: Yes (Near entrance to hospital

and Emergency Room)

Distance from Shearon Harris Plant: 31 miles Contact Person(s): Emergency Room 919/966-4721 Hospital has a plan to treat 15 patients.

g. Good Hope Hospital, Inc., Erwin, N.C.
Telephone: 919/897-6151

Administrator: Phillip S. Lakernick

Bed Capacity: 55

Location: Erwin, N.C.

Heliport: No

Distance from Shearon Harris Plant: 31 miles Contact Person(s): Emergency Room 919/897-6151 Hospital can accept six patients but would request assistance from Radiation Protection Section, DHR, or CP&L.

h. Chatham Memorial Hospital, Siler City, N.C. Telephone: 919/663-2113

Administrator: S. Barry Stanly, Director

Bed Capacity: 65

Location: Siler City, N.C.

Heliport: No

Contact Person(s): S. Barry Stanly

919/663-2113

Distance from Shearon Harris Plant: 35 miles
They do not have a plan...no nuclear medical
department nor instrumentation.
Number of radiation patients which can be

handled: None

- * Duke University Medical Center and North Caraolina Memorial Hospital are Regional Hospitals that treat patients from the entire State and southeastern United States.
 - 4. Radiological survey instrumentation will be provided by consultants to the hospitals listed above. RPS will also make recommendations to the SERT leader for additional support from the Federal government.
 - 5. Transportation of Radiation Victims
 - a. The Emergency Medical Services (EMS) Section, Facility Services Division, DHR is responsible for developing procedures to marshal ambulance and rescue resources and for coordinating emergency services at radiation accident sites and shelters.

- b. RPS will advise EMS of the medical facilities to be evacuated, and those facilities capable of receiving radiated patients.
- c. EMS staff, in consultation with RPS, will determine the number of vehicles needed and dispatch them to a local staging area as required.
- e. If necessary, the Military Assistance to Safety and Traffic (MAST) programs will be used to assist in transporting non-ambulatory persons to and from medical facilities.
- f. At a staging area, EMS personnel will be issued dosimeters, briefed on the nature and extent of the accident, and assigned missions.
- C. Emergency Facilities and Equipment.
 - 1. North Carolina State Government conducts emergency command and control functions from the State EOC located in the sub-basement area of the Administration Building at 116 W. Jones Street, Raleigh, N.C. 27611. The EOC will serve as SERT's command and control facility.
 - The State EOC has approximately 20,000 square feet of floor space occupied daily by DEM staff.
 - 3. Office space is maintained in a readiness condition for the Governor and his staff. Space is also reserved for other key officials who assist the Governor and his staff in carrying out command and control functions.
 - 4. The State EOC is equipped with an emergency power plant, a communications center, eating and sleeping quarters, and other necessities required for continuous operation.
 - SERT, when directed to establish a command and control facility, will locate at one of two facilities in the vicinity of the Shearon Harris Plant.
 - a. Primary location: The State Emergency Operations Center.
 - duarters at Raleigh located on 4105 Reedy Creek Road. Arrangements have been made for use of a designated area in this facility by SERT. The facility is equipped with emergency power, a communications center, and other necessities required for continuous operation over an extended period.