



Federal Emergency Management Agency

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MEMORANDUM FOR: Edward L. Jordan, Director
Division of Emergency Preparedness
and Engineering Response
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission

FROM: *[Signature]*
Richard W. Krimm
Assistant Associate Director
Office of Natural and Technological
Hazards Programs

SUBJECT: Supplemental Information Regarding Offsite Arrangements for
Medical Services Around Waterford III Nuclear Power Plant

On January 7, 1985, I provided a finding that offsite radiological emergency preparedness at the Waterford III Steam Electric Station is adequate to provide reasonable assurance that the public health and safety can be protected in the event of an accident at the site.

On March 8, 1985, a conference call was held between the Nuclear Regulatory Commission (NRC) Headquarters and Region, the Federal Emergency Management Agency (FEMA) Headquarters and Region, and the utility. During that call, this Office agreed to further expand on the medical services portion of the State and local Radiological Emergency Preparedness (REP) plan. As a result of the conference call, FEMA Region VI has researched the following four areas of concern:

(1) The list of support hospitals within the 25-mile radius of the plant to confirm arrangements that have been made for providing medical services for contaminated, injured individuals including those exposed to radiation. It was found that the 21 hospitals listed in Tab 4, Chapter 10 (see attachment 1), of the State plan are those which possess radioactive material licenses and operate nuclear medicine departments in the vicinity of Waterford III. State of Louisiana material license requirements are on file in this Office that require the facilities to have procedures for handling emergencies related to radioactive materials and to have qualified, trained individuals to safely handle such material.

(2) With regard to the hospitals listed in Tab 4 to Chapter 10, only the St. Charles Hospital and River Parishes Medical Center are located within the 10-mile emergency planning zone (EPZ). However, the State advised that depending on the extent of an accident and the affected areas, these two facilities may be utilized to handle contaminated, injured or exposed individuals. For that reason, these two hospitals are included in the listing in Tab 4 to Chapter 10.

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(3) Regarding the ambulance services, the State plan stated that they will be used for transportation of injured, contaminated or exposed patients; but in the Parish plans, they state that they will be used for evacuation purposes. Please be advised that the ambulance services will be used for dual purposes. This listing of ambulance services is in State implementing procedures, Enclosure 6 to Attachment 1 and Enclosure 4 to Attachment 2 (see attachment 2). This listing is more up-to-date than the listing in Tab 2 of Chapter 10 (see attachment 3), of the State plan. Also, this listing would indicate that there are more than 100 ambulances (vehicles) available for dual-use purposes.

(4) With regard to the Health Medical Officer for St. Charles and St. John the Baptist Parishes, the duties are listed in Attachment 1 on pages 62 and 145 for St. Charles Parish and pages 161-162 and 242-243 for St. John the Baptist Parish (see attachment 4).

Based on this information, FEMA believes that the intent of NUREG-0654, FEMA/REP 1, Rev. 1, criteria regarding medical arrangements has been met in the State and local parish plans.

Attachments
As Stated

1.3.

TAB 4 to CHAPTER 10

HOSPITALS WITHIN 25-MILE RADIUS OF FIXED NUCLEAR FACILITIES
CAPABLE OF SUPPORTING RADIOLOGICAL ACCIDENTS1. Waterford 3 Steam Electric Station

- a. Charity Hospital of Louisiana at New Orleans
1532 Tulane Avenue
New Orleans, Louisiana 70112
(Orleans Parish)
- b. Children's Hospital
200 Henry Clay Avenue
New Orleans, Louisiana 70118
(Orleans Parish)
- c. East Jefferson General Hospital
4200 Houma Boulevard
Metairie, Louisiana 70011
(Jefferson Parish)
- d. Flint Goodridge Hospital of Dillard University
2425 Louisiana Avenue
New Orleans, Louisiana 70115
(Orleans Parish)
- e. Hotel Dieu Hospital
Post Office Box 61262
New Orleans, Louisiana 70160
(Orleans Parish)
- f. Louisiana State University Medical Center - Tulane
1542 Tulane Avenue
New Orleans, Louisiana 70112
(Orleans Parish)
- g. Meadowcrest
229 Belle Meade Boulevard
Gretna, Louisiana 70053
(Jefferson Parish)
- h. Mercy Hospital
301 North Jefferson Davis Parkway
New Orleans, Louisiana 70119
(Orleans Parish)
- i. Ochsner Foundation Hospital
1516 Jefferson Highway
New Orleans, Louisiana 70121
(Jefferson Parish)

- j. River Parishes Medical Center
Airline Highway
LaPlace, Louisiana 70068
(St. John the Baptist Parish)
- k. St. Anne General Hospital
Post Office Box 440
Raceland, Louisiana 70394
(Lafourche Parish)
- l. St. Charles General Hospital
3700 St. Charles Avenue
New Orleans, Louisiana 70115
(Orleans Parish)
- m. The St. Charles Hospital
Post Office Box 87
Luling, Louisiana 70070
(St. Charles Parish)
- n. St. Claude General Hospital of New Orleans, Ltd.
3501 St. Claude Avenue
New Orleans, Louisiana 70117
(Orleans Parish)
- o. St. James Parish Hospital
Box 430
Lutcher, Louisiana 70071
- p. Jo Ellen Smith Memorial Hospital
4444 General Meyer Avenue
New Orleans, Louisiana 70114
(Orleans Parish)
- q. Southern Baptist Hospital
2700 Napoleon Avenue
New Orleans, Louisiana 70115
(Orleans Parish)
- r. Thibodaux General Hospital
602 North Acadian Drive
Thibodaux, Louisiana 70301
(Lafourche Parish)
- s. Veterans Administration Hospital
1601 Perdido Street
New Orleans, Louisiana 70146
(Orleans Parish)
- t. West Jefferson General Hospital
4500 Eleventh Street
Marrero, Louisiana 70072
(Jefferson Parish)

u. West St. James Hospital
Highway 20
Box 128
Vacherie, Louisiana 70090
(St. James Parish)

2. Grand Gulf Nuclear Station

(To be developed)

3. River Bend Nuclear Station

(To be developed)

ENCLOSURE 6 to ATTACHMENT 1

AREA AMBULANCE COMPANIES AVAILABLE
FOR SUPPORTING EVACUATION

*Mun - Municipal
 Par - Parish
 Pri - Private
 Sta - State
 Vol - Volunteer

Parish	Ambulance Company and Location	Phone No.	*Type of Service No. of Ambulance	Type of Vehicles			
				I	II	III	Other
St. Charles	St. Charles Hospital Luling	785-6242	Par - 3	0	2	0	1
Jefferson	American Ambulance and Rescue Kenner	466-7000	Pri - 14	1	6	1	6
	Mid-South Ambulance Metairie	835-8548	Pri - 5	1	2	2	0
	East Jefferson Hospital Metairie	454-4444 454-4489	Mun - 6	0	4	2	0
	Westwego V. F. D. Westwego	347-7386 347-2765	Vol - 2	0	1	0	1
	West Jefferson Hospital Marrero	347-5511	Mun - 3	0	1	2	0
	Red Line Ambulance Marrero	347-3179	Pri - 4	0	4	0	0
	Care Ambulance Service Gretna	367-4231	Pri - 4	1	2	1	0
	David Crockett V. F. D. Gretna	366-3444 361-3502	Vol - 2	2	0	0	0
	Lafitte Ambulance Lafitte	689-2221 689-2315	Mun - 1	0	0	1	0
Orleans	Charity Hospital of LA New Orleans	568-2914	Sta - 9	1	3	5	0
	New Orleans Police Department New Orleans	586-5002	Mun - 9	0	9	0	0
	Gulf States Ambulance New Orleans	363-7658	Pri - 3	1	2	0	0

Parish	Ambulance Company and Location	Phone No.	*Type of Service No. of Ambulance	Type of Vehicles			
				I	II	III	Other
	Mississippi River Bridge Authority New Orleans	361-6565	Sta - 1	0	0	1	0
Plaquemines	Plaquemines Parish Safety Department Port Sulfer	392-6690 ext.4205	Par - 7	0	5	2	0
St. Bernard	St. Bernard Sheriff's Office Arabi	277-7417 277-3300	Par - 10	7	1	2	0
St. Tammany	Professional Ambulance Slidell	643-3563	Pri - 3	1	1	1	0
	Slidell Police Department Slidell	581-2827 649-0331 643-3131	Mun - 2	0	1	0	1
	Pearl River Sixth Ward Pearl River	863-7070	Mun - 2	0	1	0	1
	LaCombe V. F. D LaCombe	882-5100 882-5070	Vol - 2	0	0	1	1
	Holden's Ambulance Covington	892-7686	Pri - 3	1	0	1	1
	St. Tammany Ambulance Covington	892-6076	Pri - 2	0	2	0	0
Lafourche	Lafourche Ambulance Galliano	632-7191	Par - 3	0	2	0	1
	St. Anne General Hospital Raceland	537-6841	Pri - 2	0	0	2	0
Terrebonne	Acadian Ambulance Lafayette	1-800- 252-5522	Pri - 6	6	0	0	0
St. James	Earl Joshua & Sons St. James	265-4174	Pri - 1	0	0	0	1
	Brazier - Watson Ambulance	473-4252	Pri - 1	0	0	0	1
Tangipahoa	Tangipahoa Parish Ambulance	345-3434	Par				

TAB 2 to CHAPTER 10

AMBULANCE SERVICES AVAILABLE FOR
EMERGENCY MEDICAL TRANSPORTATION IN SUPPORT OF THE
STATE OF LOUISIANA PEACETIME RADIOLOGICAL RESPONSE PLAN

1. Waterford 3 Steam Electric Station

<u>Parish</u>	<u>Ambulatory Service</u>	<u># Vehicles</u>
Orleans	Charity Hospital 1532 Tulane Avenue New Orleans, LA 70112	9
	Gulf States c/o Jo Ellen Smith Memorial Hospital 4444 General Meyer Avenue New Orleans, LA 70114	3
	Mississippi River Bridge Authority Post Office Box 6297 New Orleans, LA 70174	1
	* New Orleans Police Department EMS Division 1700 Moss Street New Orleans, LA 70124	9
	American 2305 Hickory Street Suite D Harahan, LA 70123	14
Jefferson	Care 901 Robert Street Gretna, LA 70053	4
	David Crockett V.F.D. 1136 Lafayette Street Gretna, LA 70053	2
	* East Jefferson General Hospital 4200 Houma Boulevard Metairie, LA 70011	6
	Mid South 2928 Metairie Road Metairie, LA 70001	5

*Lead agency within the identified Parish.

<u>Parish</u>	<u>Ambulance Service</u>	<u># Vehicles</u>
	Red Line Post Office Box 338 Marrero, LA 70073	4
	* West Jefferson General Hospital 4500 Eleventh Street Marrero, LA 70072	3
	Westwego V.F.D. 677 Avenue H Westwego, LA 70094	2
St. Charles	* St. Charles Hospital Post Office Box 87 Paul Mallard Road Luling, LA 70070	3
Lafourche	* Acadian Post Office Box 52888, OCS Lafayette, LA 70505	1
St. John the Baptist	Baloney Post Office Box 86 Garyville, LA 70051	2
	Hobson Brown Post Office Box 61 Garyville, LA 70051	1
	St. John Sheriff's Office Percy Hebert Building Airline Highway LaPlace, LA 70068	1
St. James	Brazier-Watson 623 Railroad Avenue Donaldsonville, LA 70346	1
	Earl Joshua & Sons Post Office Box 96 St. James, LA 70086	1
2.	<u>Grand Gulf Nuclear Station</u> (To be developed)	
3.	<u>River Bend Nuclear Station</u> (To be developed)	

*Lead agency within the identified Parish.

HEALTH AND MEDICAL SERVICES

St. John the Baptist Parish Emergency Plan Implementing Procedure

I. PURPOSE

To establish procedures to support Parish protective response to an accident at the Waterford 3 Steam Electric Station, while assuring continued provision of health and medical services to the general population.

II. DEFINITIONS

- A. The definitions provided in the "Off-Site Emergency Preparedness Training Resource Book" are applicable to the terms used in this procedure.
- B. Other Definitions
 - 1. Disabled Person - A person so debilitated or hampered by physical impairment that self-mobility to a pick-up point is impractical.
 - 2. Radioprotective Drugs - Compounds containing iodine in sufficient quantities to saturate the thyroid, thereby blocking partially or wholly the absorption and increasing the elimination of radioiodines by the human body.
 - 3. Respiratory Protection - Those actions taken at the time of an accident intended to minimize the inhalation of airborne contamination.
 - 4. Sheltering - Actions taken by the public to protect against radiological exposure which include remaining indoors, closing doors and windows, and decreasing building ventilation during and following the passage of a radioactive plume.

III. SITUATION

- A. In the event of an accident at Waterford 3, normal health and medical services within the Parish could be disrupted.
- B. Parish officials, being responsible for the health, welfare and safety of individuals within the Parish, may recommend protective actions to medical services providers.
- C. The Health/Medical Officer, serving as liaison between the parish government and medical service providers, will assist information exchange and resource management during an emergency.

IV. RESPONSIBILITIES

A. The Health/Medical Officer will:

1. Coordinate delivery of health and medical services in the Parish at the time of an emergency.
2. Coordinate and assist in the protective response for:
 - a. River Parishes Medical Center
 - b. Twin Oaks Nursing Home
 - c. Place DuBourg
 - d. Disabled persons without transportation in the Parish

Note: This includes arranging for transportation to support the evacuation for the groups listed above.

3. Maintain an inventory of health care providers, facilities, materials and equipment necessary to protect the public in the event of an emergency.

B. The Administrators of River Parishes Medical Center, and Twin Oaks Nursing Home are responsible for maintaining current emergency management plans and procedures that are consistent with Parish emergency plans and implementing procedures.

C. The St. John Parish Council on Aging is responsible for maintaining a roster of disabled persons without transportation within the Parish and to assist the Health and Medical Officer in making provision for their evacuation.

V. PROCEDURES

A. Administrative

1. Recruit, orient and train two (2) relief health/medical officers to provide for extended operations and full-time coverage.
2. Review and become familiar with the Parish EOC Implementing Procedure for fixed nuclear facility accidents.
3. Assure semi-annual update of resource materials attached to this procedure.
4. Maintain agreements or understandings required to implement these procedures, including provision of an evacuation support facility for each health care facility in the Parish.
5. Review the Emergency Management Plan for River Parishes Medical Center and Twin Oaks Nursing Home to assure consistency with the Parish Plan.
6. Update staff/patient census for determining resource needs.

ST. CHARLES PARISH EMERGENCY PLAN IMPLEMENTING PROCEDURE

HEALTH AND MEDICAL SERVICESI. PURPOSE

To establish procedures to support Parish protective response to an accident at the Waterford 3 Steam Electric Station, while assuring continued provision of health and medical services to the general population.

II. DEFINITIONS

A. The definitions provided in the "Off-Site Emergency Preparedness Training Resource Book" are applicable to the terms used in this procedure.

B. Other Definitions

1. Disabled Person - A person so debilitated or hampered by physical impairment that self-mobility to a pick-up point is impractical.
2. Radioprotective Drugs - Compounds containing iodine in sufficient quantities to saturate the thyroid, thereby blocking partially or wholly the absorption and increasing the elimination of radioiodines by the human body.
3. Respiratory Protection - Those actions taken at the time of an accident intended to minimize the inhalation of airborne contamination.
4. Sheltering - Actions taken by the public to protect against radiological exposure which include remaining indoors, closing doors and windows, and decreasing building ventilation during and following the passage of a radioactive plume.

III. SITUATION

- A. In the event of an accident at Waterford 3, normal health and medical services within the Parish could be disrupted.
- B. Parish officials, being responsible for the health, welfare and safety of individuals within the Parish, may recommend protective actions to medical service providers.
- C. The Health/Medical Officer, serving as liaison between the Parish government and medical service providers, will facilitate information exchange and resource management during an emergency.

IV. RESPONSIBILITIES

Agreement
A. St. Charles Parish is responsible to ensure availability and coordinate delivery of health and medical services to Parish residents in an emergency situation.

B. The Health/Medical Officer will:

1. Maintain agreements with health organizations and St. Charles Hospital to ensure continuation of uninterrupted health and medical services during an emergency.
2. Coordinate delivery of health and medical services in the Parish at the time of an emergency.
3. Coordinate and assist in the protective response for St. Charles Hospital, Luling Nursing Home and non-institutionalized disabled persons without transportation, including provision of transportation resources to support evacuation.
4. Maintain an inventory of health care providers, facilities, materials and equipment necessary to protect the public in the event of an emergency.

C. Health care facility administration is responsible to maintain current emergency management plans and procedures consistent with Parish emergency plans and implementing procedures.

D. The St. Charles Parish Council on Aging is responsible to maintain a current roster of Parish elderly disabled persons without transportation to assist the Health/Medical Officer in making provision for their evacuation.

V. PROCEDURES

A. Administrative

The Health/Medical Officer will:

1. Recruit, orient and train a minimum of one (1) relief Health/Medical Officer to provide full-time coverage.
2. Review and become familiar with the Parish Emergency Operations Center Implementing Procedure.
3. Assure semiannual update of attachment material.
4. Maintain agreements necessary to implement these procedures.
5. Review the Emergency Management Plan for St. Charles Hospital and Luling Nursing Home to assure consistency with Parish plans and procedures.
6. Maintain current health care facility patient/staff census information for determining resource requirements.