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Department of Environmental Protection
SOUTHWEST DISTRICT

BY _____

TECO
CENTRAL OPERATIONS

October 31, 1995

Mr. Timyn J. Rice
Environmental Specialist II
Florida Department of
Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Certified Mail No. P 278 134 882
Return Receipt Requested

**Re: Tampa Electric Company
Central Operations Center
Hazardous Waste Emergency Response Plans**

Dear Mr. Rice:

Under 40 CFR 265.37 and 40 CFR 265.53, Tampa Electric Company is required to inform local authorities and emergency response organizations of hazardous waste activities and emergency response procedures at the above referenced facility and to submit revisions as required.

Enclosed are copies of the following plans for Central Operations Center, revised as of June 28, 1995:

- o Preparedness and Prevention Plan; and
- o Contingency Plan and Emergency Procedures.

If you have any questions, please contact me at 813-228-4842.

Sincerely,

Gwen L. Shofner, P.E.
Senior Engineer
Environmental Planning

EP\gm\GLS228

Enclosure

7.0 PREPAREDNESS AND PREVENTION PLAN

7.1 GENERAL

At Central Operations Center, the hazardous waste storage area is maintained to minimize the possibility of a fire, explosion, or any release of hazardous waste. The following equipment is available and in good operating condition in the event of a fire, explosion, or release of hazardous waste from any location within the facility:

- Telephone system and two-way hand-held radios for summoning assistance from state or local emergency response teams, local hospital, and local police and fire departments, as necessary. Immediate access to all communications equipment is ensured at all times.
- Fire extinguishers.
- Emergency water system.
- Spill containment and cleanup materials and equipment, including oil-absorbent pads and other oil-absorbing materials. A list of the available equipment is found in Table 7.1-1.

All communications and alarm systems, fire protection equipment, and spill control equipment are inspected regularly to ensure proper operation at the time of an emergency. Section 5.0 of this manual addresses the inspection procedures.

In addition, sufficient aisle space is provided to allow for the movement of emergency equipment to any area.

Copies of the contingency plan have been provided to the following local authorities to familiarize them with facility layout, the properties of hazardous waste handled at the facilities, places where facility personnel would be working with hazardous wastes, entrances to roads inside the facility and possible evacuation routes (See Appendix B for copies of this correspondence):

- Hillsborough County Sheriff
- Hillsborough County Fire Department/Hillsborough County Paramedics
- Tampa General Hospital
- Diversified Marine Technology, Inc.

PROCEDURES FOR HANDLING HAZARDOUS WASTE
CENTRAL OPERATIONS CENTER
REVISED DATE: 06/28/95

Table 7.1-1. Hazardous Material Emergency Response Kit

Item	Stock Number	Description
Sealable 55 gallon drum	6324622	One metal, open top, ring type drum for collection of hazardous waste.
Disposable gloves (4 pair)	5839760	Synthetic rubber gloves, which provide low level protection for handling hazardous materials.
Disposable shoe covers (4 pair)	5839710	Made of Tyvek® poly laminated material, which provides generic protection from chemical exposure.
Disposable coveralls (4 pair)	5839820	Made of Tyvek® poly laminated material, which provides generic protection from chemical exposure.
Chemical monogoggles (4 pair)	6332978	Plastic nonfog goggles for protection of eyes from a splashing hazard.
Stay-dry absorbent (2 bags)	5851230	Fifty pound bags containing clay based absorbent material for cleanup of liquid waste.
Barricade tape (2 rolls)	5858650	Two 1,000-foot rolls of red barricade tape, 3 inches in width, with the words "Danger Do Not Enter" printed every 10 inches of entire length. Will allow emergency response personnel to isolate spill area, minimizing risk to others.
Respirators with organic cartridges (4 pair)	6011867	Four dual cartridge half mask respirators with chemical cartridge that filters organic vapors, chlorine, hydrogen chloride, and sulfur dioxide from the breathing air and provides respiratory protection for emergency response personnel.
Organic vapor cartridges (4 pair)	6011869	Replacement cartridges for the respirators described above.
Dust and mist cartridges (4 pair)	6011870	Replacement cartridges for the respirators described above. Provide respiratory protection against dust, fumes, and mist. Not to be worn in areas containing less than 19.5 percent oxygen or containing any toxic gas or vapor.
PCB labels	1340336	Yellow 6" x 6" labels with "Caution Contain PCB" printed. For adhering to storage containers for proper identification of PCB contaminated waste and/or cleanup materials.
Drum contents labels	1053390	Labels to be applied to drum, when first used, to identify contents of waste collected.
Flat point shovel	5837710	Shovel for cleanup and/or removal of soils, absorbents, and debris contaminated by hazardous waste.
Broom	5850320	Broom for cleanup and/or removal of soils, absorbents, and debris contaminated by hazardous waste.

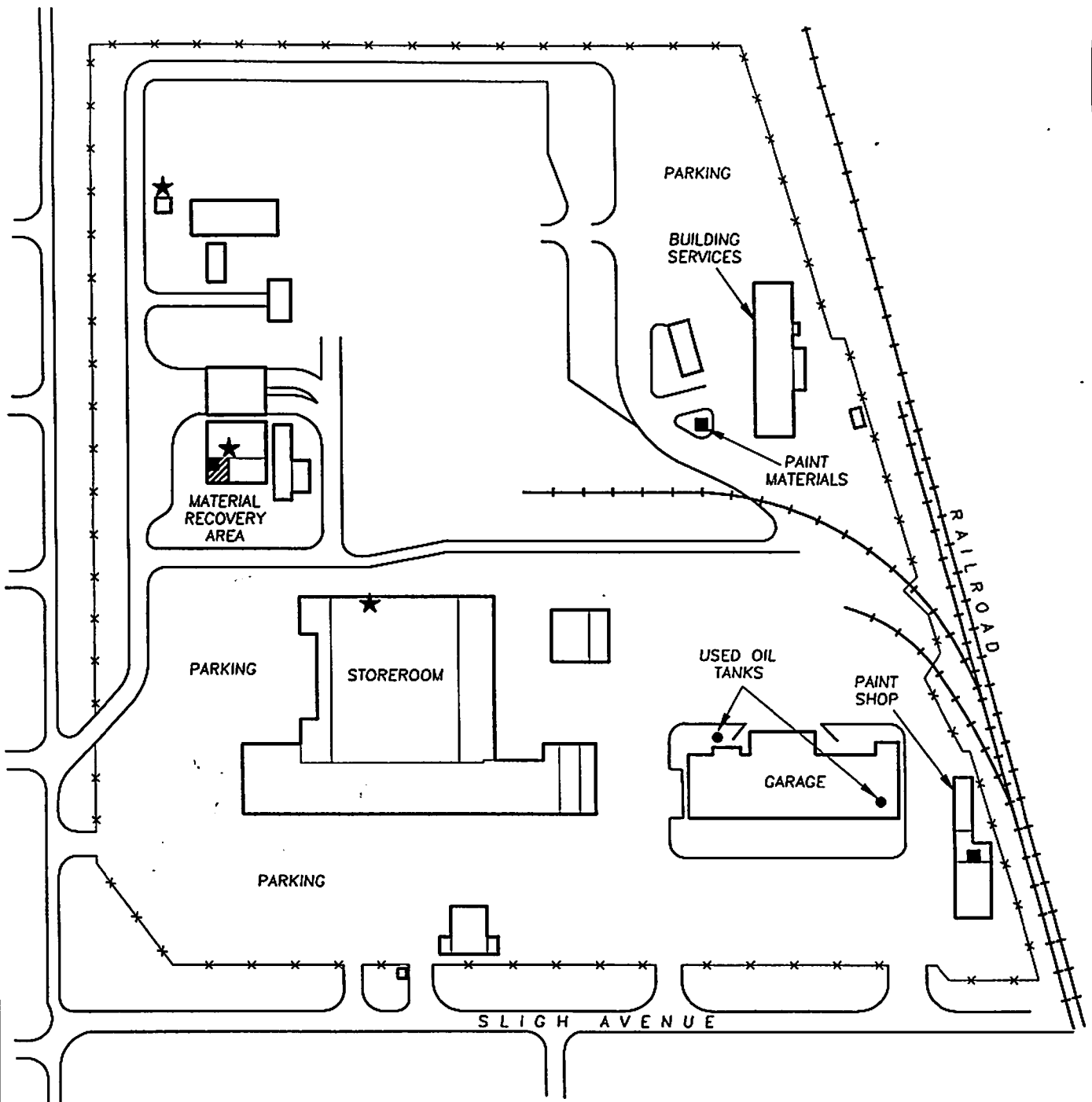
PROCEDURES FOR HANDLING HAZARDOUS WASTE
CENTRAL OPERATIONS CENTER

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Table 7.1-1. Hazardous Material Emergency Response Kit
(Continued, Page 2 of 2)

Item	Stock Number	Description
Plastic drop cloth	5855650	Provides isolation of contaminated area from both human and environmental elements.
Power cleaner 155	5857460	Five gallon container of multipurpose alkaline cleaning solution for cleaning equipment and materials contaminated during a hazardous waste spill.

Source: Tampa Electric, 1995.



LEGEND

-  90-DAY HAZARDOUS WASTE STORAGE AREA
-  SATELLITE ACCUMULATION AREAS
-  LOCATION OF EMERGENCY RESPONSE EQUIPMENT



NOT TO SCALE

FIGURE 7.1-1.
LOCATION OF HAZARDOUS MATERIAL
EMERGENCY RESPONSE EQUIPMENT

Source: ECT, 1994.



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PROCEDURES FOR HANDLING HAZARDOUS WASTE
CENTRAL OPERATIONS CENTER
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- Florida Department of Environmental Protection/Southwest District
- U.S. Coast Guard
- National Response Center

TEC has notified Tampa General Hospital of the properties of hazardous waste handled at Central Operations Center and the types of injuries or illnesses that could result from fires, explosions, or releases at the facilities (see Appendix B7).

7.2 EVACUATION PLAN

In the event that evacuation is required, an announcement will be made instructing personnel to leave the affected work areas. The routes of evacuation are shown in Figure 7.2-1.

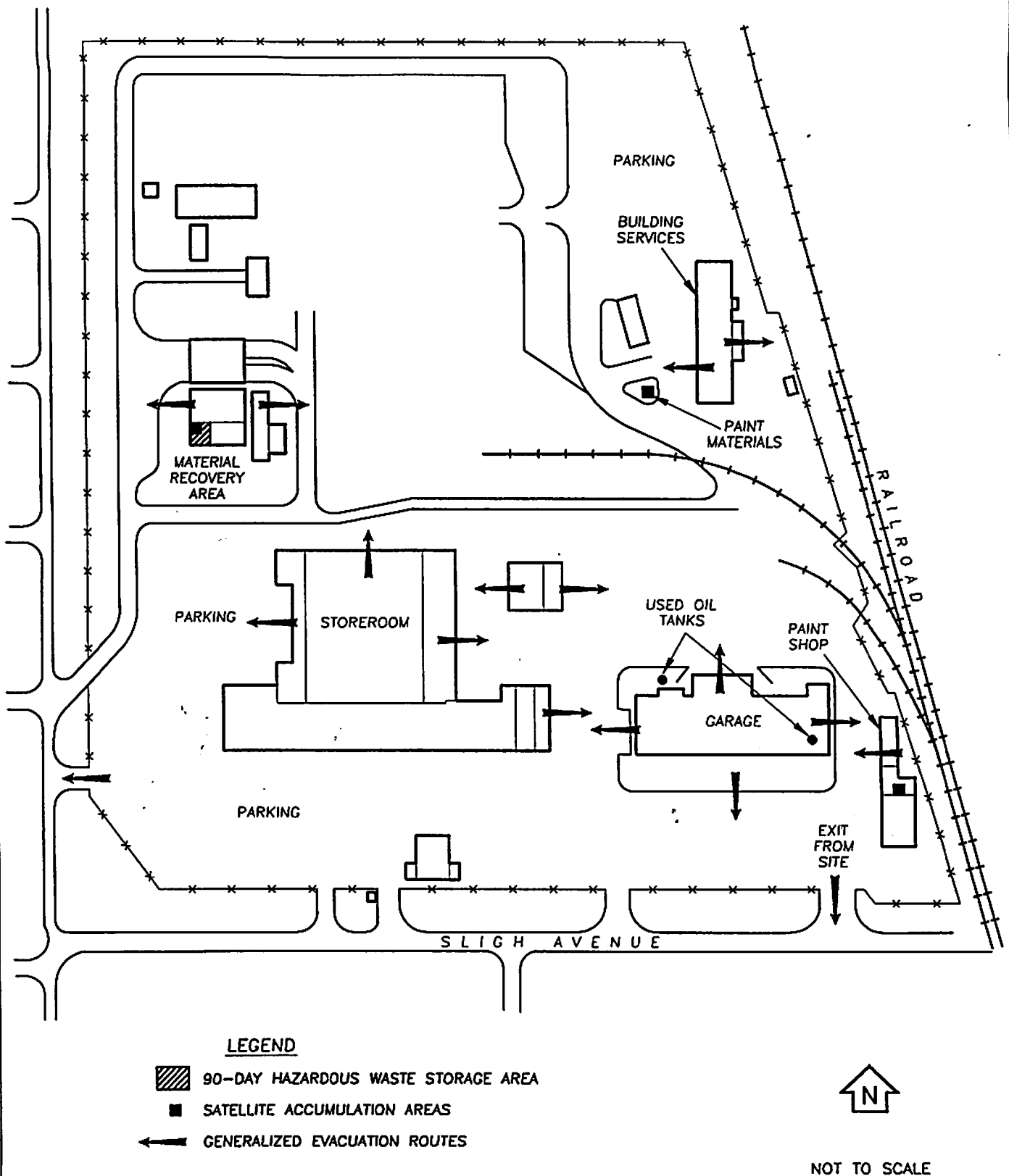


FIGURE 7.2-1.
BUILDING EVACUATION ROUTES

8.0 CONTINGENCY PLAN AND EMERGENCY PROCEDURES

In the event of a fire or explosion involving hazardous wastes, the emergency response plan for the center will be implemented to contain, control, and extinguish the fire. In the event of a spill or other release to the land or storm water drainage system, the employee who observes the event will first take steps to contain or control the spill until additional assistance is obtained. At this time, the spill prevention countermeasures and control (SPCC) plan for Central Operations Center will be implemented to contain and control the release. The following sequence of actions is followed in response to a fire, explosion, or release of hazardous wastes:

- In all cases, the materials recovery supervisor is the primary emergency coordinator. The emergency coordinator will activate the onsite communications system in order to direct cleanup activities, as needed. In the absence of the emergency coordinator, a supervisor will carry out immediate activities until the emergency coordinator arrives at the release location.
- The emergency coordinator will identify the character, source, amount, and areal extent of released materials by any means appropriate.
- The emergency coordinator will make arrangements with emergency response teams, police, and fire departments and hospitals, as required, to obtain appropriate emergency services.
- The emergency coordinator will notify EP with information regarding the incident.
- The emergency coordinator will supervise cleanup activities at the site, ensuring that all hazardous wastes and contaminated materials are collected and disposed of properly. Emergency equipment will be rehabilitated before normal operations resume.
- EP will notify appropriate local, state, and federal agencies with a written report within 15 days of the event.

The hazardous waste emergency response sequence is illustrated in Figure 8.0-1. A list of emergency contacts is provided in Table 8.0-1. The emergency equipment that is available onsite for containment and control is listed in Table 7.1-1 in Section 7.0 and the location of this equipment at the north end of the storeroom is shown in Figure 7.1-1. The emergency service and response teams that are available are listed in Table 8.0-2.

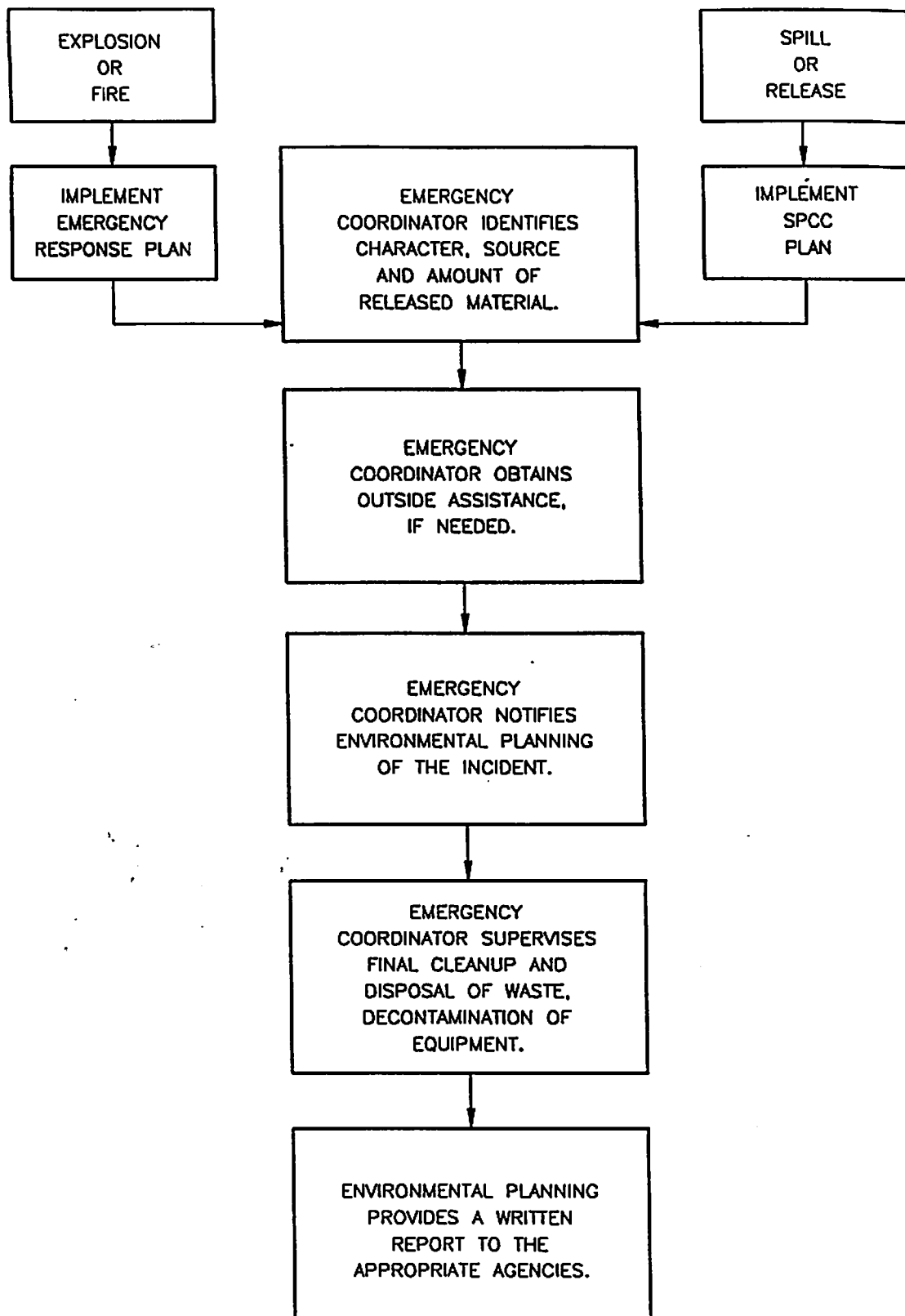


FIGURE 8.0-1.
EMERGENCY RESPONSE SEQUENCE

PROCEDURES FOR HANDLING HAZARDOUS WASTE
CENTRAL OPERATIONS CENTER
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Table 8.0-1. Emergency Response Contacts

Contact	Office Phone Numbers	Home Phone Numbers	Home Address
<u>Emergency Coordinators</u>			
Michael Morgan	228-1039	238-0901	7003 N. 15th Street Tampa, FL 33610
<u>Environmental Planning</u>			
Gwen Shofner	34842	977-5641	N/A
Patrick Ho	34844	949-7503	N/A
<u>Environmental Planning Pager</u>			
Use Touch Tone Phone:			
1. Dial 987-4309.			
2. Wait for three rapid beep tones.			
3. Dial number you can be reached.			
4. Enter # symbol.			
5. Hang up phone.			

Source: Tampa Electric, 1995.

PROCEDURES FOR HANDLING HAZARDOUS WASTE
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Table 8.0-2. Emergency Services and Response Teams

Contact	Phone Numbers
Tampa Fire Department/City Paramedics	223-4211
Tampa Police Department	223-1112
U.S. Coast Guard	228-2189
National Response Center	800-424-8802
AMI Town & Country Hospital	885-6666
Tampa General Hospital	253-0711
St. Joseph's Hospital	870-4000
University Community Hospital	971-6000
Florida Department of Environmental Protection, Southwest District	744-6100

Source: Tampa Electric, 1995.