

Hazardous Materials Emergency Response Plan 2021

South Florida Local Emergency Planning Committee



Prepared by the
South Florida Regional Planning Council

HAZARDOUS MATERIALS EMERGENCY RESPONSE PLAN

2021

SOUTH FLORIDA LOCAL EMERGENCY PLANNING COMMITTEE

June 2021

**Prepared by the
South Florida Regional Planning Council**

**HAZARDOUS MATERIALS
EMERGENCY RESPONSE PLAN**

2021

SOUTH FLORIDA LOCAL EMERGENCY PLANNING COMMITTEE

DISTRIBUTION FORM

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PROMULGATION PROCLAMATION

STATEMENT OF THE SOUTH FLORIDA LOCAL EMERGENCY PLANNING COMMITTEE, FLORIDA, APPROVING THE DISTRICT HAZARDOUS MATERIALS EMERGENCY RESPONSE PLAN.

WHEREAS, with the enactment of the Emergency Planning and Community Right-To-Know Act of 1986, Congress established and imposed upon Local Emergency Planning Committees planning and preparedness requirements for response to emergencies involving the release of hazardous materials; and

WHEREAS, each District within the State of Florida is required to develop an Emergency Response Plan for Hazardous Materials; and

WHEREAS, the South Florida Local Emergency Planning Committee's Hazardous Materials Emergency Response Plan has been reviewed and approved by the Florida State Emergency Response Commission for Hazardous Materials as meeting the criteria for such plans established by the Administrator, United States Environmental Protection Agency and the National Response Team; and

WHEREAS, the District plan represents a consolidation of the hazardous materials response plans prepared for Broward, Miami-Dade and Monroe counties and is intended to provide the framework for the development of detailed operating procedures by first response public safety agencies charged with the responsibility of protecting the public's health and safety from the discharge or release of extremely toxic chemicals; and

WHEREAS, the District Plan provides policy direction for all government agencies, organizations and private facilities who will be involved in emergency response or long-term remediation in order to protect the public's health and safety from the discharge or release of extremely toxic chemicals within the District.

NOW, THEREFORE, BE IT PROCLAIMED BY THE SOUTH FLORIDA LOCAL EMERGENCY PLANNING COMMITTEE, FLORIDA that:

The Hazardous Materials Emergency Response Plan is hereby adopted this 9th day of June 2021.

The foregoing Proclamation was put to a vote and passed by a majority vote of the members.

South Florida LEPC Chair



South Florida LEPC Staff



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RRT/NRT-1 CROSS REFERENCE*

<u>NRT-1 Criterion</u>	<u>RRT Criterion</u>	<u>LEPC Plan</u>
A(3)	3.1	1.6
A(3)	3.2	1.6
A(4)	4.1	Table of Contents
A(5)	5.1	Definitions/ Acronyms
A(6)	6.1	1.4
A(5)	6.2	Appendices
A(5)	6.3	Appendices
A(5)	6.4	8.2
6.5	A(5)	-
6.6.1	A(6)	-
6.6.2	A(6)	-
6.6.3	A(6)	-
6.7	A(6)	1.2
6.8	A(6)	1.2
6.9	A(6)	-
6.10	A(6)	1.2
7.1		2.2 & 2.5
7.2	A(7)(b)	2.2
7.3	A(7)(b)	-
7.4	A(7)(c)	-
7.5	A(7)(c)	-
7.6	A(7)(b)	2.2
7.7	A(7)(b)	3.2 & 3.3
7.8	A(7)(c)	3.2 & 3.3
7.9	A(2)	1.6
7.10	A(7)(c)	-
7.11	A(7)(c)	-
7.12	A(7)(c)	-
8.1	A(8)(a)	1.0
8.2	A(8)(b)	1.1
9.1	A(a)	1.1

<u>NRT-1 Criterion</u>	<u>RRT Criterion</u>	<u>LEPC Plan</u>
10.1		4.3
10.2	B	4.3
10.2.1	B	Appendices
10.2.2	C(1)	Appendices
10.2.3	C(1)	7.3
10.2.4	C(1)	4.2
10.2.5	C(1)	4.2
10.2.6	C(1)	Figure 4-2
10.2.7	C(1)	-
10.2.8	C(1)	-
11.1	B	4.2
11.2	C(1)	4.3
11.3	C(1)	4.3
11.4	C(1)	-
11.5	C(1)	-
11.6	C(1)	4.2
11.7	B	4.2
11.8	B	4.3
11.9	B	-
11.10	C(1)	4.3
11.11	C(1)	4.2
12.1		-
12.2	C(2)	3.2
12.3	C(2)	2.1
12.4	C(2)	2.2
12.5	C(2)	3.2
12.6	C(2)	3.0
12.7	C(2)	3.2
12.8	C(2)	4.3
12.9	C(2)	4.3
12.10	C(2)	4.3
13.1	C(3)	5.2 & 5.3

<u>NRT-1 Criterion</u>	<u>RRT Criterion</u>	<u>LEPC Plan</u>
13.2	C(3)	7.3.3
13.3		-
14.1	C(4)	4.4
14.1.1	C(4)	4.4
14.1.2	C(4)	4.4
14.1.3	C(4)	4.4
14.2	C(5)	6.2
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14.4	C(5)	N/A
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15.2	C(5)	6.3
15.3	C(5)	-
16.1		-
16.2	C(6)	-
16.3	C(6)	-
16.4	C(6)	-
16.5	C(6)	7.2
16.6	C(6)	-
16.7	C(6)	1.6
16.8	C(6)	8.3
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17.4	C(7)	9.4
17.5	C(7)	-
17.6	C(7)	8.2
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17.8	C(7)	Figure 11-1
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17.10	C(7)	1.6
18.1	C(8)	9.0

<u>NRT-1 Criterion</u>	<u>RRT Criterion</u>	<u>LEPC Plan</u>
19.1	C(9)(a)	10.6
19.2	(C)(9)(a)	-
19.3	C(9)(a)	10.6
19.4	C(9)(a)	10.6
19.5	C(9)(a)	10.6
19.6	C(9)(a)	10.6
19.7	C(9)(a)	-
19.9	C(5)	6.6
20.1		-
20.2	C(9)(b)	10.4
20.3	C(9)(b)	-
20.4	C(9)(b)	-
20.5	C(9)(b)	-
20.6	C(9)(b)	10.4
20.7	C(9)(b)	-
20.8	C(13)	-
20.9	C(13)	10.4
20.10	C(11)	10.4
20.11	C(11)	10.4
20.12	C(11)	12.3
20.13	C(9)(b)	10.4
21.1	C(10)	2.2
21.2	C(10)	-
21.3	C(10)	3.2
21.4	C(6)	-
21.5	C(6)	-
22.1	C(11)	2.2
22.2	C(11)	3.2
22.3	C(11)	-
23.1	C(12)	8.3
23.2	C(12)	8.3
23.3	C(12)	8.3

<u>NRT-1 Criterion</u>	<u>RRT Criterion</u>	<u>LEPC Plan</u>
24.1	C(13)	2.2, 2.3, 2.6
24.2	C(13)	2.2, 2.3, 2.6
25.1	C(14)	2.2
25.2	C(14)	3.2
26.1	D(1)	12.2
26.2	D(1)	12.2
26.3	D(1)	12.2
26.4	D(2)	2.2
26.5	D(2)	12.2
26.6	D(2)	-
26.7	D(2)	12.2
26.8	D(2)	-
26.9	D(2)	-
26.10	D(2)	-
27.1	E	12.2
27.2	E	12.2
27.3	E	12.2
28.1	F(1)	13.2
28.2	F(1)	13.2
28.3	F(1)	13.2
28.4	F(1)	13.2
28.5	F(2)	13.2
28.6	F(2)	13.2
29.1		14.3
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29.3		14.3
29.4		-

- NRT-1 is the National Response Team's Hazardous Materials Emergency Planning Guide. The guide describes the components of hazardous materials planning for LEPCs. The RRT-1A is the Regional Response Team's guide for review of the SoFlaLEPC Plan.

**HAZARDOUS MATERIALS
EMERGENCY RESPONSE PLAN
2019
SOUTH FLORIDA LOCAL EMERGENCY PLANNING COMMITTEE**

LOG OF CHANGES

Please make an entry for each revised version. This procedure will assist all in keeping abreast of changes. When this page is filled, copy the last two entries on a new page, remove the old page and replace it with the new one.

Existing Version	Date Posted	Updated Version
Replace 1995 Update	6/96	June 1996 Update
Replace 1996 Update	6/97	June 1997 Update
Replace 1997 Update	6/98	June 1998 Update
Replace 1998 Update	6/99	June 1999 Update
Replace 1999 Update	6/00	June 2000 Update
Replace 2000 Update	6/01	June 2001 Update
Replace 2001 Update	6/02	June 2002 Update
Replace 2002 Update	6/03	June 2003 Update
Replace 2003 Update	6/04	June 2004 Update
Replace 2004 Update	7/05	July 2005 Update
Replace 2005 Update	07/11/06	July 2006 Update
Replace 2006 Update	06/29/07	June 2007 Draft
Replace June 2007 Draft	08/10/07	August 2007 Final Draft
Replace August 2007 Final Draft	08/16/07	August 2007 Final
Replace August 2007 Final	06/25/08	June 2008 Final
Replace June 2008 Final	06/03/09	June 2009 Draft
Replace June 2009 Draft	09/24/09	June 2009 Final
Replace June 2009 Final	06/02/10	June 2010 Draft
Replace June 2010 Draft	06/29/10	June 2010 Final
Replace June 2010 Final Draft	May 25, 2011	May 2011 Final
Replace May 2011 Final	May 23, 2012	May 2012 Final
Replace May 2012 Final	May 22, 2013	June 2013 Final
Replace June 2013 Final	May 28, 2014	June 2014 Final
Replace June 2014 Final	May 27, 2015	June 2015 Final
Replace June 2015 Final	May 25, 2016	May 2016 Final
Replace May 2016 Final	May 31, 2017	May 2017 Final
Replace May 2017 Final	May 16, 2018	May 2018 Final
May 2018 Final	May 29, 2019	May 2019 Final
May 2019 Final	May 20, 2020	May 2020 Final
May 2020 Final	June 9, 2021	June 2021 Final

DEFINITIONS*

Acute: Severe but of short duration. Acute health effects are those that occur immediately after exposure to hazardous chemicals.

Ambient: Ambient temperatures reflect the temperature of the surrounding air or water.

Containment: Includes all activities necessary to bring the scene of a hazardous materials incident to a point of stabilization, and to the greatest degree of safety possible.

Contamination: The process of transferring a hazardous material from its source to people, animals, the environment or equipment, which may act as a carrier.

Decontamination: The physical or chemical process of reducing and preventing the spread of contamination from persons and equipment.

Disposal: The removal of waste material to a site or facility that is specifically designed and permitted to receive such wastes.

Drill/Exercise: A simulated accident or release set up to test emergency response and coordination methods and meets federal standards.

EPCRA: An acronym for the Emergency Planning and Community Right to Know Act of 1996. This Act concerns reporting requirements and the development of hazards, vulnerability and risk analysis.

Extremely Hazardous Substances (EHS): A list of chemicals identified by US EPA on the basis of toxicity and listed under the Emergency Planning and Community Right to Know Act.

Facility: Defined for Section 302 of EPCRA as all buildings, equipment, structures and other stationary items which are located on a single site or contiguous lines owned or operated by the same person. This also includes motor vehicles, rolling stock, aircraft and roadways.

Facility Emergency Coordinator: Representative for each facility with an extreme hazardous substance in a quantity exceeds its Threshold Planning Quantity (TPQ).

Flash point: The flash point of a liquid is the lowest temperature at which enough vapor is given off to form an ignitable mixture with air near the surface of the liquid.

Hazardous Material (HazMat): Substances, which are capable of causing substantial harm to people, property and the environment when, mishandled or accidentally released. These include explosives; gases; flammable liquids; flammable solids; oxidizers and organic peroxides; poisonous and etiologic materials; radioactive materials; corrosive materials; and other regulated materials.

Hot Zone: Area immediately surrounding a hazardous materials incident, which extends far enough to prevent adverse effects from exposure outside of the zone. The hot zone is an area where contamination could occur.

Immediately Dangerous to Life and Health (IDLH): IDLH means an atmospheric concentration of any toxic, corrosive or asphyxiant substance that poses an immediate threat to life or would interfere with an individual's ability to escape from a dangerous atmosphere. (29 CFR 1910.120)

Incident: A fire, release or potential release of a hazardous material.

ICS: Incident Command System.

Incident Commander: The pre-designated local, state or federal official responsible for coordinating the hazardous material response action.

Level of Concern (LOC): The concentration of an extremely hazardous substance in the air above which there may be serious irreversible health effects or death as a result of a single exposure for a relatively short period of time.

Local Emergency Planning Committee (LEPC): A committee appointed by the State Emergency Response Commission (SERC) as required by EPCRA, to formulate comprehensive emergency plans for its district.

Personal Protective Equipment (PPE): Equipment designed to protect the wearer's skin or eyes from hazardous materials. These include liquid splash-protective clothing and vapor-protective clothing.

Remedial Actions: Actions consistent with a permanent remedy, which are necessary to prevent or minimize the release of hazardous materials so that they do not spread or cause harm.

Reportable Quantity (RQ): The quantity of a hazardous substance that triggers reporting under CERCLA; if a substance is released or spilled in a quantity that exceeds its RQ, the release or spill must be reported to the National Response Center (NRC), as well as to the State Emergency Response Commission, and the community emergency coordinator for areas likely to be affected by the release or spill.

Safety Data Sheets (SDS): Provided by manufacturers and blenders of chemicals with minimum information about chemical composition, physical and chemical properties, health and safety hazards, emergency response and waste disposal of the material as per 29 CFR 1910.120.

State Emergency Response Commission (SERC): Commission appointed by the State Governor according to the requirements of EPCRA; duties of the commission include designating emergency planning districts, appointing LEPC's, supervising and coordinating the activities of planning committees, reviewing emergency plans, receiving chemical release notifications, and establishing procedures for receiving and processing requests from the public for information.

Threshold Planning Quantity (TPQ): A quantity designated for each chemical on the list of EHS that triggers notification by facilities to the SERC that such facilities are subject to emergency planning under EPCRA.

Vulnerable Zone: An area over which airborne concentrations of a chemical involved in an accidental release or spill could reach the Level of Concern.

Warm Zone: The Warm Zone is an area that is the transition between the Hot Zone and the Cold Zone. This area helps prevent contaminants from spreading to unaffected areas. Decontamination takes place in the Warm Zone.

HAZ-MAT CLASSIFICATION DEFINITIONS

Explosive: Any chemical compound, mixture or device whose common purpose is to function by explosion, with substantial instantaneous release of gas and heat.

Explosive A

Class A explosives are sensitive to heat and shock, will detonate and present a maximum hazard. There are nine types identified in the US DOT regulations. They include dynamite, TNT black powder and some types of military ammunition.

Explosive B

Class B explosives function by rapid combustion rather than detonation. They possess a high flammability hazard and include most propellant materials like rocket motors, display fireworks, and some military ammunition.

Explosive C

Class C explosives include manufactured articles that contain limited amounts of Class A or B explosives. This Class includes fireworks, explosive rivets, detonating fuse and small arms ammunition.

Blasting Agents

Blasting Agents present little probability of accident ignition. They are used primarily in demolition, mining and quarrying.

Non-Flammable Gases: Nonflammable gases are compressed gases that will not normally burn but may support Combustion. Examples include oxygen, carbon dioxide and nitrogen.

Flammable Gases: Flammable gases are compressed gases that will burn. Examples include hydrogen, acetylene, vinyl chloride and propane.

Flammable Liquids: A flammable liquid is any liquid with a flash point below 100° F.

Combustible Liquids: A combustible liquid is one with a flash point at or above 100° F. and below 200° F. Liquids with flash points above 200 F will still burn.

Flammable Solids: A flammable solid is any solid material other than an explosive that ignites readily and burns vigorously. Some flammable solids are air reactive, water reactive and some spontaneously combust.

Oxidizers: Oxidizers are materials that contain large amounts of chemically bound oxygen that is easily released, especially when heated, and that will stimulate the burning of combustible material.

Organic Peroxides: Organic peroxides are given a separate hazard class due to their dangerously destructive potential. Nearly all organic peroxides are used in plastics industry. They are combustible and will also increase the intensity of a fire. The decomposition process releases a great deal of heat and gas products that are often toxic.

Poison Gases: Poison gases in small amounts are dangerous to life.

Poison B

Class B poisons are less hazardous but still present a significant hazard if released during transportation. This class includes gases that are presumed to be toxic.

Irritating Materials: Irritating materials give off dangerous or intensely irritating fumes such as tear gas.

Etiologic Agents: Etiologic agents have properties similar to those of poisons. It is a living organism that may cause human disease. These include biological specimens.

Corrosive Materials: Corrosive materials are liquids or solids that can destroy human tissue or severely corrode steel. Examples include sulfuric acid, hydrochloric acid and sodium hydroxide.

Other Regulated Materials: Other regulated materials possess hazardous characteristics in transportation, such as household cleaners.

INCIDENT LEVELS

Category I - Minor spill, release or potential release of known hazardous substance, no deaths, any injuries are minor. Limited to initial area of involvement. Less than 55 gallons. Short duration evacuation.

Category II - Moderate spill, release or potential release of unknown hazardous substance, no deaths, but injuries can be minor to severe. Release may not be controlled without special resources for several blocks involving toxic, reactive, flammable, radioactive, corrosive or biological. Amount limited to size of its container. Evacuation confined to area that local resources can handle, short-term duration.

Category III - Severe spill, release or potential release of a hazardous substance with associated fire, explosion or toxic/corrosive cloud. Injuries or deaths may occur. Large area impacted disrupting essential community services. Extensive environmental contamination possible. Large amount of HazMat or limited amount of EHS. Immediate danger to public and first responders. Evacuation of large population with extended sheltering possible.

Category IV - Major spill or release of a hazardous substance that has resulted in serious fire, explosion or environmental contamination over extended area. Substance highly toxic, very reactive or unstable, flammable/explosive, radioactive or etiological. Evacuation duration of several days, large populations.

* Definitions are taken *in part* from the State of Florida Comprehensive Emergency Management Plan for Hazardous Materials, prepared by the Florida Division of Emergency Management.

ACRONYMS

ACCP	Area Control Coordination Point
ALOHA	Area Locations of Hazardous Atmospheres
ARA	Agency Response Area
ARCHIE	Automated Resource for Chemical Hazardous Incident Evaluation
ATSDR	Agency for Toxic Substance Disease Register
BCC	Board of County Commissioners
BER	Bureau of Emergency Response
BLEVE	Boiling Liquid Expanding Vapor Explosion
CAMEO	Computer Aided Management of Emergency Operations
CAP	Civil Air Patrol
CAS	Chemical Abstract Service
CB	Citizens Band
CEC	Community Emergency Coordinator
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CHEMTREC	Chemical Transportation Emergency Center
CHRIS	Chemical Hazard Response Information Systems
CPE	Chlorinated Polyethylene
CPG	Citizens Protection Guide
DEM	Florida Division of Emergency Management
DEP	Florida Department of Environmental Protection
DER	Florida Department of Environmental Regulation
DHHS	U.S. Dept of Health and Human Services
DNR	Florida Department of Natural Resources
DOH	Florida Department of Health
DOT	U.S. Department of Transportation
EAS	Emergency Alert System
EBS	Emergency Broadcast System
EHS	Extremely Hazardous Substances
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right To Know Act
EPGMD	Environmental Protection and Growth Management Department, Broward County
EPI	Emergency Planning Information
E-PLAN	Web-based database of Section 302 Facilities (University of Texas at Dallas)
FEMA	Federal Emergency Management Agency
GAR	Governor's Authorized Representative
HEAR	Hospital/Emergency Ambulance Radio
HMTF	Hazardous Materials Task Force
IC	Incident Commander
ICS	Incident Command System
IDLH	Immediate Danger to Life and Health
LEPC	Local Emergency Planning Committee
LOC	Level of Concern
MCEM	Monroe County Emergency Management
NIOSH	National Institute of Occupational Safety and Health
NOAA	National Oceanic and Atmospheric Administration
NRC	National Response Center
NRT-1	Hazardous Materials Emergency Planning Guide, National Response Team
OEM	Office of Emergency Management

OHM	Oil and Hazardous Materials
OHM-TADS	Oil and Hazardous Materials Technical Assistance Data Systems
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Levels
PERA	Permitting, Environment and Regulatory Affairs
PIO	Public Information Officer
PPE	Personal Protective Equipment
PSAP	Public Service Answering Point (911 Call Centers)
RACES	Radio Amateur Communicators in Emergency Services
REL	Recommended Exposure Limit
RQ	Reportable Quantity
RRT	Regional Response Team
SARA	Superfund Amendments and Reauthorization Act
SCBA	Self-Contained Breathing Apparatus
SDS	Safety Data Sheet
SEOC	State EOC
SERC	State Emergency Response Commission
SFRPC	South Florida Regional Planning Council
SWO	State Watch Office
TADS	Technical Assistance Data Systems
TPQ	Threshold Planning Quantity
USCG	U.S. Coast Guard
USDOT	U.S. Department of Transportation
VOC	Volatile Organic Compound

Nine Hazardous Material Classes and Examples

Class	Examples
1. Explosive	Dynamite, TNT, Fireworks
2. Gases	Propane, chlorine, oxygen
3. Flammable Liquids	Gasoline, toluene
4. Flammable solids	White phosphorous
5. Oxidizers and Organic Peroxides	Sodium chlorate, nitric acid, sodium nitrate
6. Poisonous and Etiologic Materials	Hydrogen cyanide, rabies virus
7. Radioactive materials	Enriched uranium, plutonium, radioactive waste
8. Corrosive Materials	Sulfuric acid, sodium hydroxide
9. Other Regulated Materials	Chloroform, household chemicals

1. PLAN ORGANIZATION, OVERVIEW AND PURPOSE

Plan Organization

This document presents emergency planning and response efforts that are both regional and local in scope. Under each subsection heading (e.g., 1.1, 1.2, etc.) a brief statement of purpose for that subsection is presented. Following the statement of purpose, each subsection is presented as follows:

- A. South Florida LEPC
- B. Miami-Dade County
- C. Broward County
- D. Monroe County

In all sections of this plan, the text under parts B, C, and D, was originally taken directly from earlier versions of the corresponding county plan. Subsequent updates still reflect the current plans. Written and verbal comments provided by appropriate County review staff are reflected in this revised version. All appendices available at the time of review are adopted as part of this plan and available upon request to the LEPC.

Appendix A: Miami-Dade County Comprehensive Emergency Management Plan (CEMP) & Emergency Support Function 10 (Hazardous Materials)

Appendix B: Broward County Comprehensive Emergency Management Plan (CEMP)

Appendix C: Hazardous Materials Emergency Plan for Monroe County

1.1-a Responsibility for the Planning Effort

The purpose of subsection 1.1 is to describe the origins of SARA/Title III and the Emergency Planning and Community Right-To-Know Act of 1986, and what types of emergency planning are required.

- A. South Florida LEPC

Chemical materials are an important ingredient of our highly technological society. The number of materials increases almost daily as chemists search for better products. Naturally, this development of more and more chemicals has caused an increased use of such materials by all sectors of society. A large portion of these chemicals, if not properly handled, are hazardous to the populace, living resources and environment. Therefore, government agencies recognized the potential for disaster and began to regulate various aspects of the hazardous material industry.

In 1986, Congress passed the Emergency Planning and Community Right to Know Act as Title III of the Superfund Amendments and Reauthorization Act (SARA). This law has three important elements. First, it provides for the creation of multiple layers of emergency planning and response at all levels of government. Second, the law calls upon facilities to make available to government the following documents and records, as applicable to each facility:

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

- Section 302/303: Emergency Planning Notification.

Facilities that use, produce, sell, exchange, transfer or store an extremely hazardous substance in excess of an established Threshold Planning Quantity must notify within sixty days the State Emergency Response Commission and their Local Emergency Planning Committee that they are subject to Section 302. This notification may come in the form of a letter or the facility may complete the prepared "302/303 Form". The letter or form shall state: the name of a facility representative who will assist the LEPC in emergency response planning; the mailing and physical address of the facility; and the facility representative's phone number.

Starting in 2009, FDEM instituted the use of a web-based, secure hazmat database system called E-Plan. E-Plan is available to first responders and emergency management planners to access Section 302 and Tier2 Form information (<https://erplan.net>).

- Section 304: Emergency Release Notification

Facilities that have an off-site release of an extremely hazardous substance or any of the 721 chemicals listed in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, in excess of the reportable quantity for that substance must immediately notify the SERC and county warning points. A follow-up written notice must be sent within seven days to the LEPC and the SERC. It is this written notice that the LEPC keeps on file.

- Section 311: Safety Data Sheets

Facilities which are required to prepare or have available a material safety data sheet for a hazardous chemical under the Occupational Safety and Health Act of 1970 and regulations promulgated under that Act (15 U.S.C. 651 et seq.) shall submit a material safety data sheet for each such chemical or a list of such chemicals if at any time the facility has more than 10,000 lbs. of the chemical on site or if the facility uses or stores more than the Threshold Planning Quantity (TPQ) of an Extremely Hazardous Substance (EHS) or more than 500 lbs. of an EHS, whichever is greater. The Safety Data Sheets contain information such as physical and health hazards.

- Section 312: Emergency and Hazardous Chemical Inventory Forms

The requirements to comply with Section 312 (Tier2 Form), are the same as the guidelines for complying with Section 311. The Tier2 Form provides physical and health hazard information in addition to the quantity of the chemical, the form of storage of the chemical, and the chemicals approximate location at the facility.

Starting in 2010, FDEM instituted online filing of Tier2 Forms via the Web. For 2013, the State migrated to using E-Plan, operated by the University of Texas at Dallas. This site allows facility representatives to update their company information at any time, prepare Tier2 Forms and even pay the yearly fees via credit card or electronic bank transfers.

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

- Section 313: Toxic Chemical Release Forms

This section applies only to manufacturing facilities (SIC code 20-39) that have ten or more full time employees. In addition, the facility must manufacture, process, or otherwise use a listed toxic chemical in excess of specified threshold quantities. The 313 or R Form is the form used to report this information. These forms, unlike all the others, are not sent to the LEPC. These forms are kept exclusively by the SERC and the EPA.

And third, as described in Section 6.6 of this document, the law allows public access to these records subject to conditions stated in Section 324 of Title III.

The SoFlaLEPC Plan will be reviewed annually. Revised and updated versions will be provided to all individuals and agencies listed as holding copies. Each change should be recorded in the Record of Change Sheet in the front of the plan.

Electronic copies of the adopted plan and any subsequent revisions will be dated and distributed to organizations and individuals responsible for implementation of the plan. Each recipient will be responsible for maintaining a record of plan revisions in accordance with instructions provided by the SoFlaLEPC at the time each revision is issued and may provide copies to appropriate personnel. Each local emergency response organization is encouraged to use information contained in this plan to develop their respective response plans and implementing procedures.

B. Miami-Dade County

The Miami-Dade County CEMP and Emergency Support Function 10 (Hazardous Materials) were developed using guidance criteria prepared by the National Response Team and by the Florida Division of Emergency Management. They will provide local emergency response personnel with operational guidance to effectively manage resources in response to hazardous materials emergencies. These plans are based upon certain assumptions and the existence of specific resources and capabilities which may be subject to frequent change. Because of this, some deviation in the implementation of operational concepts identified in the plans may be necessary to protect the health and safety of residents and visitors near each facility. The plans address the range of potential hazardous materials emergency situations and appropriate procedures to minimize exposure through inhalation, ingestion, or direct exposure.

Those portions of the plans addressing local emergency response capabilities were developed by the Miami-Dade County Office of Emergency Management, in a joint effort with the Florida Division of Emergency Management with input from those agencies with hazardous materials emergency responsibilities. Site-specific portions of the plans were developed by emergency management planners with the cooperation of affected facility owners and operators. The Director of the Miami-Dade County Office of Emergency Management (MD OEM) has overall responsibility for the development of the plans and assuring the Board of County Commissioners that prompt and effective protective measures can and will be taken in the event of an emergency involving the release or spill of hazardous materials.

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

The plans will be reviewed and updated bi-annually. Plan revisions will reflect changes in implementing procedures, improved emergency preparedness capabilities, deficiencies identified in drills and exercises, etc. Plan revisions will be identified and maintained by the Miami-Dade County Office of Emergency Management. The plans will be adopted by the appropriate County officials in accordance with procedures governing local plan adoption.

For more information on the Miami-Dade County Plan see Appendix A.

C. Broward County

The Hazardous Materials and Environmental Response Operating Procedures are the result of many months of work. Although this document is tailored to satisfy new federal requirements for local hazardous materials emergency planning, it is built upon a base of previous planning efforts.

Broward County has adopted the Comprehensive Emergency Management Plan for emergencies in the community. The Hazardous Materials and Environmental Response Operating Procedures purpose is to coordinate response to an actual or potential discharge and/or release of hazardous materials resulting from a natural, manmade, or technological disaster. Currently the following information is maintained by the Broward County Emergency Management Division, which includes the following:

- Identification of facilities within the county subject to section 302 of Title III
- A Hazards and Vulnerability Analysis of each 302 facility, consistent with section 303 of Title III
- Identification of transportation routes used for the transport and movement of the substances referenced in section 302(a) of Title III
- Identification of hospitals, schools, nursing homes, or other like facilities that will contribute to, or be subjected to additional risks, due to their proximity to facilities subject to the requirements of section 302 of Title III
- Emergency response procedures, both on and off site, to be implemented by facility owners and operators; local emergency and medical personnel
- The identification of a community emergency coordinator who will assist in the implementation of the plan
- Methods for determining the occurrence of a release and the probable affected area and population
- A process for the timely and effective notification to the public that a release has occurred
- Evacuation plans for the protection of the potentially affected population which:
 - Establish primary evacuation routes
 - Establish alternate evacuation routes
 - Identify known impediments to the efficient evacuation of the potentially affected population
- Descriptions of emergency equipment at each facility subject to the planning requirements of Title III; identification of the person for such equipment and facility
- Description of training programs for local emergency response and medical personnel

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

- Methods and schedules for exercising emergency response plans on a regular basis in compliance with section 303 of Title III
- Identification of the agency responsible for the provision of information to the public relative to the presence of "extremely hazardous" substances in their community.

For more information on the Broward County Plan see Appendix B.

D. Monroe County

The Comprehensive Emergency Response Plan (CERP) is developed based upon guidance criteria prepared by the National Response Team and by the SERC for Hazardous Materials (Chapter 9G-7, Florida Administrative Code). This plan will provide local emergency response personnel with operational guidance in order to effectively manage resources in response to emergencies involving hazardous materials. This plan is based upon certain assumptions and the existence of specific resources and capabilities, which may be subject to frequent change. Because of this, some deviation in the implementation of operational concepts identified in this plan may be necessary to protect the health and safety of residents and transients near each facility. This plan addresses the range of potential emergency situations and the appropriate measures to be implemented to minimize exposure through inhalation, ingestion, or direct exposure.

Those portions of the plan addressing local emergency response capabilities were developed by the Monroe County Emergency Services Division, with input from designated emergency contacts of those agencies with hazardous materials emergency responsibilities. Site-specific portions of the plan were developed by emergency management planners with input from affected facility owners and operators. The Monroe County Emergency Services Division has overall responsibility for the development of this plan and assuring the Board of County Commissioners and the SoFlaLEPC that prompt and effective protective measures can and will be taken in the event of an emergency involving the release of hazardous materials.

The Monroe County Emergency Services Division will annually review, update and certify the plan to be current. This plan will be adopted by the Monroe County Board of County Commissioners in accordance with procedures governing local plan adoption.

Copies of the plan and any subsequent revisions will be distributed to organizations and individuals responsible for implementation of the plan. Each copy will be numbered, and the Monroe County Emergency Services Division will maintain a log of plan recipients. Each recipient will be responsible for maintaining a record of plan revisions in accordance with instructions provided by the Monroe County Emergency Services Division at the time each revision is issued and may provide copies to appropriate personnel. Each local emergency response organization is encouraged to use information contained in this plan to develop their respective response plans and implementing procedures.

For more information on the Monroe County Plan see Appendix C.

1.1-b List of Persons Receiving Plan and Plan Amendments

All current South Florida LEPC members (see list following Promulgation Proclamation at the beginning of this document and <http://www.soflalepc.org>), County Emergency Management Directors and South Florida HazMat Team Leaders.

1.1-c Methods for Revising the Plan and Recording All Changes in the Plan

Both digital and hardcopy versions of the Plan are maintained. When edits and changes are received, these are incorporated into both the digital and hardcopy versions. Copies of the previous and the newly revised Plan are kept in our files. When the LEPC issues a revised version of the Plan for external use, it is noted in the **Log of Changes** found earlier in this document. Individual hardcopies are noted in the **Distribution Form** also found earlier in this document.

1.2 Emergency Planning Bases

The purpose of subsection 1.2 is to describe the District's geographic, temperature, and demographic features.

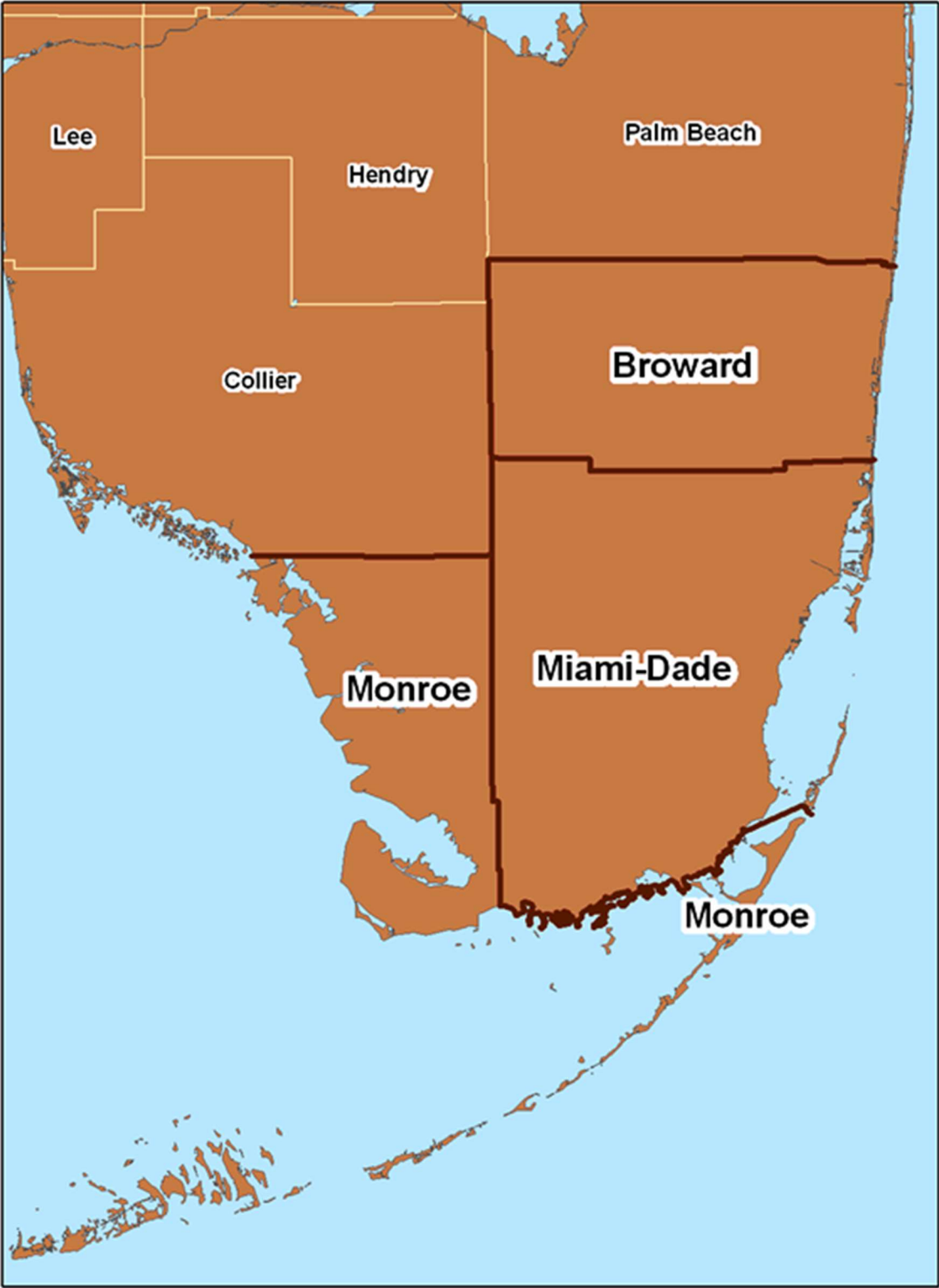
A. South Florida LEPC

SoFlaLEPC includes the Miami-Dade, Broward, and Monroe Counties (Figure 1.2-1). The District encompasses 4,200 square miles and stretches for 334 miles north and south. Perhaps the single most powerful force shaping South Florida's character in the past 20 years was its explosive growth. In 1930 South Florida's population was 176,600. Our population grew to 1.94 million by 1970, 3.3 million by 1990, and to 3.95 million in 2000. Monroe County's growth rate fell significantly in the 1990s compared to the District as a whole, with a net increase of only 1,565 new residents. Miami-Dade County's population in the last decade increased at close to three quarters of the annual growth rate in the state. By contrast, Broward County's extraordinary population growth outpaced the state's growth rate from 1950 through the 1970s, and again in the 1990s. Current estimates put the population of South Florida at over 4.7 million, with Miami-Dade's population 2.8 million, Broward's 1.9 million and Monroe County's just over 76,500.

In addition to the almost 1,000 stationary facilities which have reported in compliance in the District with EPCRA, the transportation of hazardous substances continues to increase. The district has several major north-south routes of vehicular transportation which include I-95, the Florida Turnpike, Palmetto Expressway/SR826, SR836, Interstate 75/Sawgrass Expressway, U.S. 1 and Okeechobee Road/U.S. 27. These routes provide the access for shipments of products in and out of the District from suppliers to users to waste haulers. In addition, radioactive materials are carried on highways to and from the Turkey Point Nuclear Power Plant and in lesser quantities to medical institutions. While all these transporters are required to be licensed by state and federal agencies, an otherwise typical traffic accident has the potential to become a HazMat incident and require a specialized response.

Figure 1.2-1

MAP OF THE REGION



Section 1.0: Plan Organization, Overview and Purpose (Cont.)

The District has two major ports, two international airports and major rail systems: Port Miami, Port Everglades, Miami International Airport, Fort Lauderdale/Hollywood International Airport and FEC, CSX and Amtrak rail systems. In addition, privately owned Brightline (renamed Virgin Trains) began limited passenger service over the eastern FEC tracks. Over the last 20 years, the District has expanded and continues to expand its international trade. Such diversity has the potential to complicate HazMat incidents. U.S. DOT reports that it is virtually impossible to estimate the volume of hazardous materials coming in and out of the district. However, based upon their experience, they estimate a significant amount of interstate shipments (out of state or out of country) from ports (drayage shipments) is carrying hazardous materials. Port Everglades' drayage shipments are heavily concentrated in petrochemicals. While transportation of hazardous materials is regulated under a separate Act, the policies and procedures of this plan generally apply to any incident.

The coastal location of the district creates two climatological factors affecting the movement of airborne chemicals. The summer winds are predominantly from the south-southeast at 10 mph and the winter winds are predominantly from the northwest at 10 mph. Hence, on the mainland, airborne chemicals released at a port or airport or in the surrounding industrial area will likely travel over the western suburbs during most of the year. However, our coastal location will also likely reduce the toxicity of any airborne chemical through disbursement. Along the island chain in Monroe County, the narrowness of the island chain and the typical southeastern winds of 15 mph increase the likelihood of quick dispersal of any airborne chemical. In contrast, the hazards analyses prepared by each county (see appendices) are performed using a wind speed of only 8 mph to create a worst-case scenario when a dense toxic cloud may form. Dispersal of hazardous liquids released into ocean waters in turn would be affected by currents and tides.

Federally protected lands and state managed lands comprise 3,300 acres in the western portions of the District. These lands include Everglades National Park, Big Cypress National Preserve, state and national marine sanctuaries and water conservation areas. Also, of significance is the Biscayne Aquifer, which supplies most of the potable water needs for over six million people in south Florida (including Palm Beach County).

There are more than 70 local governments in the District. Because hazardous materials incidents do not see political boundaries, intergovernmental understanding and coordination is critical to successfully managing the response to a hazardous materials emergency. The rates of growth and the sensitive environmental features of the District amplify the need to develop the ability to respond quickly and safely to any release of hazardous materials.

B. Miami-Dade County

Miami-Dade County is located on the most southeastern tip of the peninsula of Florida. It covers an area of 1,955 square miles, which supports an estimated 2.8 million residents. The majority of that population lives in the eastern one-third of Miami-Dade County (East of Krome Avenue).

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

The county is bordered on the east by the Atlantic Ocean, the south by the Everglades and Monroe County, the west by the Everglades and Collier County, and the north by Broward County.

The western two-thirds of Miami-Dade County consist of the Everglades. It is separated from the developed areas by levees regulated by the South Florida Water Management District. The combination of a high-water table, muck soils and a rainy season with inland flooding characterizes the Everglades swamp, the natural freshwater wetland which extends 100 miles from Lake Okeechobee to Florida Bay.

Miami-Dade County has a sub-tropical climate with temperatures ranging from an average winter low of 55°F and a high of 81°F. The average summer low is 76°F to a high of 91°F. The average wind speed and direction is 9.2 mph from the east.

Rain patterns follow a regular two-season cycle. The wet season runs from May through October and the dry season between October and May. Hurricanes are natural weather systems upon which the hydrological system of south Florida is dependent for recharge of groundwater aquifers following the dry season or periodic droughts. South Florida's sole source of potable water is found under the limestone bedrock which contains the Biscayne Aquifer.

Miami-Dade County is connected to neighboring counties via a federal and state highway system. Federal roads include I-95, I-75, U.S.1, U.S. 27, U.S. 41, and U.S. 441. The State road network consists of the Florida Turnpike, State Road 836, State Road 826 (Palmetto Expressway), State Road 924 (Gratigny Expressway) and State Road 874.

Miami-Dade County supports four airports (Miami International Airport, Opa-Locka Airport, Kendall-Tamiami Airport and Homestead General Aviation Airport) and one seaport. Miami International Airport handles more than 1.6 million tons of cargo per year. Port Miami, on Dodge Island, is the Cruise Capital of the world and handles more than eight million tons in freight and industrial goods annually.

The county is serviced by two major railroads. The Seaboard Coast (CSX) Railroad and the Florida East Coast (FEC) Railroad transport many kinds of commodities including large quantities of hazardous materials in tank cars through the County daily. Miami-Dade County is also serviced by nine truck terminals including those operated by Roadway Express, Carolina Trucking and Consolidated Freight. South Miami-Dade County, which is still predominantly rural, has a nuclear power plant with two units in Homestead, and a United States Air Force Reserve Base which is home to a tactical fighter wing.

Miami-Dade is made up of thirty-six municipalities which include Miami, Miami Beach, Coral Gables and Hialeah.

Special populations throughout Miami-Dade County which require special attention during emergencies are the large number of non-English speaking communities and the fourteen percent of the population that is over sixty-five years of age, including 77,000 that live alone. In addition, there are persons who are mobility impaired that may require assistance to evacuate.

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

Miami, Miami Beach, Coral Gables, Key Biscayne and Hialeah support their own Fire/Rescue Departments with the remaining municipalities and unincorporated Miami-Dade receiving services from the Miami-Dade County Fire Rescue Department. There are three (3) HazMat Teams in Miami-Dade County. They are supported by the Miami-Dade County Fire Rescue Department, City of Miami Fire Rescue Department and the City of Hialeah Fire Department.

Miami-Dade County is home to 36 licensed hospitals, 836 assisted living facilities, 166 adult day care centers and over 200 daycare facilities. The school-age population is served by more than 400 educational facilities, including 63 senior high schools.

Residents of Miami-Dade County are vulnerable to the harmful effects of a hazardous materials release. A large volume of hazardous materials is transported throughout the County by railroads, air traffic, ships, pipelines and on highways on a routine daily basis. There are a large number of private and public facilities within Miami-Dade County which have hazardous materials present.

Emergencies involving hazardous materials can be postulated as ranging from a minor emergency with no off-site effects to a major incident that requires evacuation beyond the immediate vicinity of the release. The overall objective of hazardous materials emergency response planning and preparedness is to minimize exposure for a spectrum of scenarios that could produce off site contamination approaching Levels of Concern (LOC) established by the US Environmental Protection Agency. Minimizing this exposure will reduce the consequences of an emergency to persons in areas near facilities that have hazardous materials present.

No specific emergency sequence can be isolated as the model for which to plan because each incident could have different consequences, both in nature and degree. Time variables affecting emergency response units can be hampered during morning and evening rush hour traffic. As an alternative to defining a specific emergency, the plan identifies various parameters for planning which are based upon knowledge of the possible consequences, time and release characteristics of the entire spectrum of emergencies. This plan will establish the appropriate response for each level of threat.

C. Broward County

Broward County is centrally located in southeast Florida between Palm Beach County and Miami-Dade. The county covers approximately 1,200 square miles, roughly twenty-five miles in length and fifty miles in diameter. The western two-thirds, encompassing 790 square miles or 505,600 acres, consists of the Everglades including Conservation Areas and Indian Reservations. The developable area to the east consists of approximately 410 square miles or 262,400 acres. It is separated from the Water Conservation Areas by levees regulated by the South Florida Water Management District.

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

The county is associated with a sub-tropical climate, with temperatures ranging from an average winter low of 58°F and a high of 75°F to an average summer low of 75°F and a high of 88°F.

The developable area of Broward County is the land located east of the Water Conservation Area levees. The location and the rate of urban growth within this eastern developable area has historically depended upon: the lowering of the water table as a result of the construction of drainage canals, access resulting from the construction of the major roadways, including the Florida Turnpike, I-95, I-75 and I-595 and a steady rate of residential immigration. The general existing land use pattern within the unincorporated area is predominated by residential land uses, with commercial uses located along north south and east west and industrial uses clustered near ports, airports and interstate highway arterials access points. Vacant and agricultural land is primarily being held or utilized in reserve for future development.

When planning the siting and response to facilities that store and use hazardous materials, the facility's location within a wellfield protection zone should be considered. The protected areas of Broward County's water supply wells are regulated by the Environmental and Consumer Protection Division (ECPD). This organization maintains maps of the wellfield protection areas and has permitting responsibilities. This organization should be consulted when determining whether specific activities and uses are permitted within an identified wellfield protection area.

Broward County is connected to neighboring counties via a federal and state highway system. Federal roads include I-95, I-75, US 1, US 27, and US 441. The state roads include the Florida Turnpike.

Broward County has four HazMat teams to respond to emergency releases in the county. Time variables affecting emergency response units can be hampered during morning and evening rush hour traffic. Regarding special populations, there are 239 public schools, 63 charter schools, over 200 childcare centers, 25 hospitals, 27 adult day care centers and 273 adult assisted living facilities.

D. Monroe County

Monroe County is located at the southernmost tip of the State of Florida. It consists of a sparsely inhabited mainland section mostly contained within the Everglades National Park, and a 120-mile long chain of islands running from Key Largo in the north including Ocean Reef, to the islands which comprise the Dry Tortugas at the southern and western boundary. The islands, which comprise the Keys, separate the Atlantic Ocean on the east from Florida Bay and the Gulf of Mexico on the west. The Straits of Florida border the Keys on the south.

Monroe County encompasses an area of 997 square miles. However, only 2% of this area is developed as residential and commercial uses. All other areas of Monroe County are State and National park and wildlife sanctuary, barrier islands, or wetlands. Monroe County's sensitive environment is of concern to local, State and Federal government. The individual Keys vary greatly in size, with the largest being Key Largo (31 sq. mi.) and the smallest is Key Haven (0.3 sq. mi.). The average elevation of land is only 4 to 7 feet above sea level. The highest point in the Keys, only 18 feet above sea level (msl) is Windley Key. Generally, the

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

Keys from Big Pine south have the lowest average elevation. The majority of islands are bordered by mangrove plant systems. Sandy beaches are uncommon, and mostly restricted to the Atlantic side of the larger islands.

While the Upper Keys receive more rainfall than the Lower Keys, there are virtually no fresh water sources in the Upper Keys due to characteristics of the underlying limestone base rock. Some small freshwater lenses of the Biscayne Aquifer do exist in the Lower Keys, primarily on Big Pine Key and Key West; these are inadequate to supply reliable fresh water to the large population.

Water supplies for Monroe County are located in the southern part of Miami-Dade County, just SW of Florida City. The vulnerability for hazards is low. Federal, State and local governments monitor these facilities for chemical properties. Most potable water is brought down from the Biscayne Aquifer via an aqueduct (pipeline). This pipeline was originally constructed by the U.S. Navy and is now operated by the Florida Keys Aqueduct Authority.

Monroe County's highway transportation system is unique in that a single highway (U.S. 1) with 42 connecting bridges, forms the backbone of the entire county transportation network, and links the string of islands to the Florida mainland. An alternate route from the Keys to the mainland is State Road 905 (Card Sound Road) starting at the 106 mile marker (Card Sound Road) to Florida City. Since U.S. 1 is the only transportation corridor for 106 miles, commercial activity and services related to public welfare would be affected by the roadway's unavailability. The county line is at the 112 MM, but the "stretch" is also our only primary transportation corridor. The CSR, of course, is the optional route out of the County.

For the Emergency Manager, it is important to note that hazardous materials are carried on U.S. 1 and on ships offshore. A transportation network traverses the entire length of the county and thereby poses a threat to all sectors of the population. Hazardous materials could potentially affect local deep-water wells, as well as create numerous emergency response needs, including halting traffic, isolating some persons, disrupting evacuation operations, and sheltering displaced persons.

This U.S. 1 Corridor also carries the total potable water supply from well fields near Florida City on the mainland and is supported on highway bridges at over water crossings. Electrical power lines also parallel the highway but are usually 300 feet or more distant from the bridges.

In addition, the state maintains several feeder roads in Key West and State Road 905 in Key Largo. The County also has a network of more than 430 miles of secondary roads.

There are commercial and general aviation airports on Key Largo (Ocean Reef Airport), Plantation Key (Tavernier Airport), Vaca Key (Marathon Airport), Sugarloaf (Sugarloaf Airport), Key West (Key West International Airport) and a Naval Air Station based on Boca Chica Key.

In 2020, the permanent resident population of Monroe County was estimated to be 76,500, with 25,200 residing in Key West, the largest municipality. Key West

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

accounts for nearly 33% of the total population; the other municipalities, Marathon, Islamorada, Key Colony Beach, and Layton, together account for less than that, with the remaining population residing in the unincorporated areas of Monroe County.

According to the 2016 estimates from the United States Census Bureau Census, there were 16,606 residents 65 and older and 6,326 with a disability. Monroe County has a procedure for registering the Population with Special Needs (PSN). Institutions of concern include nursing homes, hospitals, children's shelters, guidance clinics, and congruent care facilities with limited ability to readily evacuate are located throughout the Keys. There are thirteen public schools, eight private schools, four hospitals, three adult living facilities, two adult day-care centers, 40-day care facilities and many private schools and day care centers.

Structural development in the Keys ranges from small ground level single-family dwelling units to the 14-story Bonefish Towers condominium. Commercial construction varies in degrees of fire resistance and built-in protection. Several condominium, apartment and motel buildings are three or more stories in height. Almost every populated Key has one or more large dry storage boat sheds that are the equivalent of 3 or more stories in height.

Aside from commercial fishing, Monroe County has a comparatively small amount of industry. The 2012 Economic Census indicates that about two-thirds of the County's employment is in accommodation and food services and retail trade. The vast majority of commercial use in Monroe County fronts U.S. 1.

Monroe County has a tourist-based economy consisting of motels and resorts, some of which include swimming pools, marinas, and retail outlets. Some buildings near marinas and other ocean front locations present difficult access for emergency firefighting and rescue operations.

Other impact industries in Monroe County include a major port in Key West, flammable and combustible liquid bulk plants and terminals, City Electric Plant, aquaculture industries, commercial fishing, recreational fishing, construction industry, limestone quarry mining activities, boat yards for boat building and repair and retail businesses.

Residential areas make up the majority of Monroe County's land use by acreage. The majority of residential dwellings are located in subdivisions which are serviced by County maintained feeder roads that tie into U.S.1. Residential uses consist of single-family residences, mobile homes and trailer parks, including recreational vehicle parks and multi-family dwellings.

Major undeveloped areas of the Florida Keys are influenced by the inability to develop in areas considered wetlands and areas of endangered species. These areas include North Key Largo along County Road 905, Big Pine Key's north end, northern areas of Cudjoe Key and a large portion of the Saddle Bunch Keys.

Primarily all other development is linked with residential development including hospitals, nursing homes, government center, gas stations, food services and shopping centers.

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

Monroe County is located at the southernmost tip of the State of Florida. The County is divided into two geographical regions: the Mainland and the Keys. The Mainland is a sparsely inhabited section mostly contained within Everglades National Park and has very few on-site hazardous chemicals, other than transportation of chemicals along Route U.S. 41, or the infrequent gas stations located along this route. The steering currents affecting any airborne chemicals distributed in the Everglades National Park will have the greatest impact upon their dispersal. A hazard to this area would be currents of chemical-laden air from the industrial areas of Miami-Dade County, or the densely populated areas of Collier County.

The Keys are connected to mainland Florida by U.S. 1, a 126-mile-long highway running in an arc SW from Miami-Dade County to Key West. The "stretch" ends at MM 126.75.

Normally the winds prevail out of the southeast at an average of 15 mph. Due to the narrowness of this section of Monroe County, this would allow airborne chemicals to move very quickly over the area.

The primary population centers of Monroe County are Key West and Stock Island (see population base), with Stock Island holding the largest amounts of chemical hazards in Monroe County. A chemical release in this densely populated area could possibly cut off evacuation routes for vehicular traffic. An airborne chemical material would be quickly dispersed over the open waters surrounding these islands. Life safety concerns of a chemical release into the atmosphere would take precedence over environmental concerns.

Critical time variables for response depend on a number of variables. At this time, Monroe County has no State-designated hazardous materials response team. However, the U.S. Navy maintains a HazMat Team at the Boca Chica Naval Air Station which, on request, may respond to emergencies off-base. The City of Key West also maintains a trained and equipped team, although not included in the State designated list. Monroe County Fire/Rescue will respond to an incident as first responder, take appropriate emergency action, and make recommendations to Monroe County Emergency Management Director or designee to call for mutual aid from the appropriate Hazardous Materials team.

Depending on the scope of the accident, this team would be responding either via U.S. 1, the only highway connecting this 120-mile long string of islands, or air rescue. The inability to re-route a response team around traffic problems created by auto accidents, draw bridge openings, heavy holiday and weekend traffic flow, and must be taken into consideration. For an incident in the Upper Keys area of Monroe County, response time will be an hour or more for a hazardous materials team to respond from Miami-Dade County. An incident in the Middle and Lower Keys could take longer.

Monroe County has no chemical waste contractors.

1.3 Discussion of the Hazards Analysis Process

Subsection 1.3 describes the criteria that go into *each* hazards analysis. A facility within SoFlaLEPC which maintains or exceeds the Threshold Planning Quantity (TPQ) of an Extremely Hazardous Substance (EHS) must notify the State Emergency Response Commission (SERC) that they fall under emergency planning regulations. These facilities shall also notify the SERC of a facility representative who, upon request of the LEPC, shall provide information necessary for developing and implementing the local emergency plan. Such a facility is referred to as a 302 facility. In the South Florida LEPC, counties perform hazards analysis on 302 facilities as mandated by section 303 of Title III. 302 facilities located within the LEPC District provide annually updated records of their hazardous materials inventory between the months of January and March of every year. The LEPC maintains updated records of all 302 facilities at the offices of the South Florida Regional Planning Council. These records can be accessed for subsequent hazards analysis as appropriate.

A. South Florida LEPC

Comprehensive planning depends upon a clear understanding of what hazards exist and the level of risk that a community chooses to tolerate.

To gain this understanding, site-specific hazards analyses for airborne releases of EHSs should be conducted as required by Title III. The hazards analysis serves as the basis for developing and revising the emergency response plans that are mandatory under Title III.

The hazards analyses included in this section of the plan are designed to consider all potential acute health hazards within the District and to identify which hazards are of high priority and should be addressed in the emergency response planning process. There are hundreds of facilities in the District subject to the requirements of Section 302, Title III and thus must notify the SERC in accordance with the provisions in EPCRA.

The hazards analysis for the District consists of the following three components:

- Hazards Identification

Hazards identification provides specific information on situations that have the potential for causing injury to life or damage to property.

A hazards identification includes information about:

- a. Chemical identities
- b. The location of facilities that use, produce, process, or store hazardous materials
- c. The type and design of chemical container or vessel
- d. The quantity of material that could be involved in an airborne release
- e. The nature of the hazard (e.g., airborne toxic vapors or mists; also, other hazards such as fire, explosion or large quantities stored or processed) most likely to accompany hazardous materials spills or releases

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

A list of extremely hazardous substances and their properties for conducting hazards analyses is included in Appendix D.

- Vulnerability Analysis

Vulnerability analysis identifies:

- a. Areas in the community that may be affected or exposed
- b. Individuals in the community who may be subject to injury or death from certain specific chemicals
- c. What facilities, property, or environment may be susceptible to damage should a hazardous materials release occur. A comprehensive vulnerability analysis provides information on:
 - 1) The extent of the vulnerable zones (i.e., an estimation of the area that may be affected in a significant way as a result of a spill or release of a known quantity of a specific chemical under defined conditions)
 - 2) The population, in terms of numbers, density, and types of individuals that could be within a vulnerable zone
 - 3) The private and public property that may be damaged, including essential support systems and transportation facilities and corridors
 - 4) The environment that may be affected, and the impact of a release on sensitive natural areas and endangered species

- Risk Analysis

An assessment of the probability of an accidental release or spill of a hazardous material and the actual consequences that might occur based on the estimated vulnerable area. The risk analysis is based on the history of previous incidents, local experience, and the best available technological information. It provides an estimation of:

- a. The probability of an accidental release based on the history of conditions and controls at the facility, consideration of any unusual environmental conditions, or the possibility of simultaneous emergency incident
- b. Severity of consequences of human injury that may occur, the number of possible injuries and deaths, and the associated high-risk groups
- c. Severity of consequences on critical facilities
- d. Severity of consequences of damage to property
- e. Severity of consequences of damage to the environment

The hazards analysis summaries for facilities in the South Florida LEPC that have reported to the State Emergency Response Commission in compliance with Sections 302 and 303 of EPCRA are provided in Figures 1.3-1 Miami-Dade County, 1.3-2 Broward County and 1.3-3 Monroe County.

**Figure 1.3-1
List of 302 Facilities in the District
Miami-Dade County**

ID	Facility Name	Address
6832052	PERKO INC	16490 NORTHWEST 13 AVENUE MIAMI 33169-5707
6785853	TELEMUNDO NETWORK GROUP LLC	2350 NW 117TH PLACE MIAMI 33182
6785871	COMCAST OF FL/MI/NM/PA/WA, LLC	137 GRAND AVE CORAL GABLES 33133
6832070	MLO - MIAMI	7100 NORTHWEST 32 AVENUE MIAMI 33147
6832540	CVS CENTER FOR HISPANIC EXCELLENCE #98849	9675 N.W. 117TH AVE. MEDLEY 33178
6794623	LEVEL 3 COMMUNICATIONS - MEDLEY - MDLYFLCX	10280 NW SOUTH RIVER RD MEDLEY 33178
6785887	COMCAST OF FL/MI/NM/PA/WA, LLC	8755 SW 157TH AVE. MIAMI (KENDALL WEST) 33193
6794634	LEVEL 3 COMMUNICATIONS - MIAMI - OJUSFTL	460 NE 215TH ST MIAMI 33179
6833030	AMTRAK HIALEAH MAINTENANCE FACILITY	9400 N.W. 37TH AVENUE MIAMI 33147
6785890	COMCAST OF FL/MI/NM/PA/WA, LLC	870 N FLAGLER AVE. HOMESTEAD 33033
6785893	COMCAST OF FL/MI/NM/PA/WA, LLC	18055 SW 97TH AVE, PALMETTO BAY 33157
6833220	PORT CONSOLIDATED - MIAMI	11550 NORTHWEST 36 AVENUE MIAMI 33168
6794646	LEVEL 3 COMMUNICATIONS - MIAMI - MIAUFLWS	50 NE 9TH ST MIAMI 33132
6833685	MIAMI VA HEALTHCARE SYSTEM	1201 NW 16TH STREET MIAMI 33125
6785907	COMCAST OF FL/MI/NM/PA/WA, LLC	298 & 300 WEST 23RD STREET HIALEAH 33010
6794663	LEVEL 3 COMMUNICATIONS - MIAMI - MIATFLAD	49 NW 5TH ST MIAMI 33128
6835133	CUMMINS SALES AND SERVICE MIAMI LAKES	6350 NW 167TH ST MIAMI LAKES 33014
6785927	COMCAST OF FL/MI/NM/PA/WA, LLC	4596 PALM AVENUE HIALEAH 33012
6835574	NAPA DISTRIBUTION CENTER	9250 NW 58TH STREET MIAMI 33178-1612
6794665	LEVEL 3 COMMUNICATIONS - MIAMI - MIANFLHW	200 SE 1ST ST MIAMI 33131
6785928	COMCAST OF FL/MI/NM/PA/WA, LLC	2600 WEST 79TH STREET HIALEAH 33016
6835583	COMPOSITES ONE LLC - MIAMI GARDENS	4751 NW 165TH STREET MIAMI GARDENS 33014
6785953	COMCAST OF CA/CO/FL/OR, INC.	20800 SOUTHWEST 167TH AVE. MIAMI 33187
6785954	COMCAST OF CA/CO/FL/OR, INC.	10849 NW 21ST STREET SWEETWATER (MIAMI) 33126
6785955	COMCAST OF CA/CO/FL/OR, INC.	9825 SW 72ND STREET MIAMI 33173
6835642	NUTRIEN AG SOLUTIONS 1007	99 SOUTHWEST 14 AVENUE HOMESTEAD 33030
6785956	COMCAST OF CA/CO/FL/OR, INC.	1306 NW 7TH AVE. MIAMI 33136
6785957	COMCAST OF CA/CO/FL/OR, INC.	18601 NW 2ND AVE. MIAMI 33136
6835883	MOTCO, INC.	10900 NW 27TH STREET MIAMI 33172
6836236	NOVEN PHARMACEUTICALS INC EAST-WEST FACILITY	11960 SW 144TH ST MIAMI 33186
6794777	BRENNTAG MID-SOUTH - 43 - BMS MIAMI (S)	8700 NORTHWEST 36TH AVE MIAMI 33147
6786054	FMIAGC- 1751 NW 129TH AVE SUITE 100	1751 NW 129TH AVE SUITE 100 MIAMI 33182
6837309	DIAMOND R FERTILIZER - HOMESTEAD	18375 SOUTHWEST 260 STREET HOMESTEAD 33031
6786751	812178 - FFHX BRA113	2275 SW 87 AVE MIAMI 33155
6795304	RIVIERA COUNTRY CLUB	1155 BLUE ROAD CORAL GABLES 33146
6786770	812269 - GHWT BRA245	10821 NW 14 ST MIAMI 33172
6837421	NEW DAIRY FLORIDA - MIAMI	501 NE 181ST STREET MIAMI 33162
6786771	812271 - GMWP BRA244	8201 N.W. 93 ST MEDLEY 33166
6786773	812353 - HGHW BRA188	6090 NW 102 AVE MIAMI 33178

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ID	Facility Name	Address
6837910	ALLIED PLATING SUPPLIES	5000 EAST 10 COURT HIALEAH 33013
6786778	812366 - HJXO BRA022	5601 SW 135 AVE #111 MIAMI 33182
6795305	KUEHNE - NAGEL	10701 NW 140 STREET, SUITE 1 HIALEAH GARDENS 33018
6786980	MCI- LNTMFL (VZB- FLLNTMFL)	2153 - 2155 NW 22ND ST MIAMI 33142
6786990	MCI- MDINFL (VZB- FLMDINFL)	16563 NW 15TH AVE MIAMI 33169
6795378	DELTA AIR LINES, INC. - MIA	MIAMI INTERNATIONAL AIRPORT CONCOURSE H MIAMI 33122
6787006	MCI- MIHGFL (VZB- FLMIHGFL)	8830 NW 18TH TER MIAMI 33172
6787011	MCI- OXDRFL (VZB- FLOXDRFL)	8790 NW 18TH TERRACE MIAMI 33147
6787016	MCI- MMJIFL (VZB- FLMMJIFL)	460 NE 215TH ST MIAMI 33179
6838039	SHERWOOD FOOD DISTRIBUTORS - SCHOOL FOOD SERVICE SYSTEMS	12345 NORTHWEST 38 AVENUE OPA LOCKA 33054
6787023	MCI- MIIYFL (VZB- FLMIYFL)	2 S BISCAYNE BLVD MIAMI 33131
6787029	MCI- MVREFL (VZB- FLMVREFL)	100 BISCAYNE BLVD FL 4 MIAMI 33132
6787034	MCI- MIMRFL (VZB- FLMIMRFL)	1921 NW 87TH AVE DORAL 33172
6838807	GOODRICH LANDING SYSTEMS	3201 NW 167TH STREET MIAMI GARDENS 33056
6795673	MAC PAPERS - MIAMI	5900 NORTHWEST 176 STREET MIAMI 33015-5108
6787035	MCI- MMIJFL (VZB- FLMMIJFL)	16120 NW 13TH AVE MIAMI 33169
6796620	THE HOME DEPOT STORE #6378	950 SOUTHEAST 12TH ST HIALEAH 33010
6839565	BROOKS TROPICALS, LLC	18400 SW 256 STREET HOMESTEAD 33031
6787077	CLIFF BERRY INC. MIAMI FACILITY	3033 NW NORTH RIVER DRIVE MIAMI 33142
6796635	THE HOME DEPOT STORE #0277	3030 SW 8TH ST MIAMI 33135
6787853	FLOWERS BAKING COMPANY OF MIAMI LLC	17800 NW MIAMI COURT MIAMI 33169
6839928	FXI, INC. - MIAMI	3225 NW 107TH STREET MIAMI 33167
6796651	THE HOME DEPOT STORE #0206	11305 SW 40TH ST MIAMI 33165
6839957	ASAHI REFINING FLORIDA	12800 NW 38TH AVE OPA-LOCKA 33054
6796652	THE HOME DEPOT STORE #0207	19400 SW 106TH AVE MIAMI 33157
6796668	THE HOME DEPOT STORE #0251	1245 NE 163RD ST NORTH MIAMI BEACH 33162
6788415	HELENA AGRI-ENTERPRISES, LLC - HOMESTEAD	450 NORTHWEST 3 AVENUE HOMESTEAD 33034
6796693	THE HOME DEPOT STORE #6306	13501 S DIXIE HWY PINECREST 33156
6840121	PERFORMANCE FOODSERVICE - MIAMI	3595 NORTHWEST 125 STREET MIAMI 33167
6788947	ALL AMERICAN CONTAINERS LLC - MIAMI (FL326)	9330 NW 110TH AVE MIAMI 33178
6796704	THE HOME DEPOT STORE #6322	12055 BISCAYNE BLVD MIAMI 33181
6840135	TURNBERRY ISLE MIAMI MAINTENANCE BUILDING	19999 WEST COUNTRY CLUB DRIVE AVENTURA 33180-
6788949	ALL AMERICAN CONTAINERS LLC - MIAMI (FL329)	9251 NW 112TH AVE MIAMI 33178
6788952	VERITIV OPERATING COMPANY - HIALEAH (FL328)	5821 E 10TH AVE HIALEAH 33013
6796719	THE HOME DEPOT STORE #6343	7899 W FLAGLER ST MIAMI 33144
6840157	UNITED STATES COLD STORAGE - MEDLEY	11801 NORTHWEST 102 ROAD MEDLEY 33178
6796724	THE HOME DEPOT STORE #6355	33001 S DIXIE HWY FLORIDA CITY 33034
6789181	MATHESON-MIAMI	7320 NORTHWEST 58 STREET MIAMI 33166
6797200	CITY OF FLORIDA CITY -WTP	461 NORTHWEST 6 AVENUE FLORIDA CITY 33034
6840640	SEABOARD WAREHOUSE TERMINALS, LTD.	5400 NW 32ND COURT MIAMI 33142
6797301	BANK OF AMERICA - SOUTH REGION TPC	17100 NORTHWEST 59 AVENUE HIALEAH 33015-5102
6797817	ACTION PLATING CORP	1220 ALI BABA AVENUE OPA LOCKA 33054
6841348	SYSCO SOUTH FLORIDA - MEDLEY	12500 SYSCO WAY MEDLEY 33178

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ID	Facility Name	Address
6789193	FLORIDA POWER AND LIGHT - TURKEY POINT NUCLEAR PLANT	9760 SOUTHWEST 344 STREET HOMESTEAD 33035
6789215	FLORIDA POWER AND LIGHT - LEJEUNE FLAGLER OFFICE	4200 WEST FLAGLER STREET MIAMI 33134
6841544	UPS MIAMI AIR CARGO	3401 NW 67TH AVE BLDG 805 MIAMI 33122
6798295	SOUTHERN GLAZER'S WINE AND SPIRITS - MIAMI 1	1600 NORTHWEST 163 STREET MIAMI 33169
6789246	FLORIDA POWER AND LIGHT - COURT/DAVIS SUBSTATION	12590 SOUTHWEST 136TH STREET MIAMI 33186
6789249	FLORIDA POWER AND LIGHT - INDUSTRIAL SERVICE CENTER/SUBSTATION	6050 NORTHWEST 37 AVENUE HIALEAH 33142
6842308	MI - MIAMI	7122 NW 74TH AVE MIAMI 33166
6789253	FLORIDA POWER AND LIGHT - PRINCETON SUBSTATION AND RADIO TOWER	13089 SOUTHWEST 248 STREET MIAMI 33032
6799782	MIAMI - DADE RESOURCES RECOVERY FACILITY	6990 NORTHWEST 97 AVENUE MIAMI 33178
6789271	FLORIDA POWER AND LIGHT - TURKEY POINT FOSSIL PLANT	9700 SW 344 STREET HOMESTEAD 33035
6842560	MIAMI DADE WATER AND SEWER - ALEXANDER ORR WTP	6800 SOUTHWEST 87 AVENUE MIAMI 33173
6789823	AMERICAN AIRLINES - MIA	MIAMI INTERNATIONAL AIRPORT---20735 MIAMI 33299-7990
6799845	JET AVIATION SPECIALISTS, LLC	3373 NW 107TH ST MIAMI 33167
6842562	MIAMI DADE WATER AND SEWER - JOHN E PRESTON WTP	1100 WEST 2 AVENUE HIALEAH 33011
6789831	FGT COMPRESSOR STATION 22 MIAMI	6301 NORTHWEST 72 AVENUE - GAS MIAMI 33166
6800640	EQUINIX LLC	50 NE 9TH STREET MIAMI 33132
6789920	CROWN LINEN - MIAMI	3235 NORTHWEST 62 STREET MIAMI 33147
6842583	MERCEDES BENZ OF CORAL GABLES	300 ALMERIA AVENUE CORAL GABLES 33134
6800641	EQUINIX LLC	36 NE 2ND STREET, 1ST & 5TH FLOOR MIAMI 33132
6790112	APTUM - MIAMI DATACENTER	2300 NORTHWEST 89 PLACE MIAMI 33172-2431
6790220	IVY MIAMI FREEZER PROPERTY, LLC	18770 NE 6TH AVENUE MIAMI 33179
6842584	MERCEDES BENZ OF CUTLER BAY	10701 S.W. 211TH STREET CUTLER BAY 33189
6800643	EQUINIX LLC	1525 NW 98 COURT DORAL 33172
6790788	ADAMS KEY	9700 SW 328 ST HOMESTEAD 33033
6790789	BISCAYNE NATIONAL PARK (BOCA CHITA KEY)	9700 SW 328 ST HOMESTEAD 33033
6842759	REDDY ICE - MIAMI (454)	13401 NW 38 COURT OPA LOCKA 33054
6802123	HOMESTEAD AIR RESERVE BASE	29050 CORAL SEA BOULEVARD HOMESTEAD AIR FORCE BASE 33039
6791091	MCARTHUR NEXT LLC - DIST CENTER	240 NORTHEAST 71 STREET MIAMI 33138
6842874	UNITED STATES COAST GUARD - BASE MIAMI BEACH	100 MACARTHUR CAUSEWAY MIAMI BEACH 33139
6802994	EDCMIA02	475 NE 185TH STREET MIAMI GARDENS 33179
6843388	SOUTHEASTERN, MIAMI FACILITY	950 SE 8TH STREET HIALEAH 33010
6803137	UNITED RENTALS BRANCH 699	4301 NORTHWEST 27TH AVE MIAMI 33142
6791092	MCARTHUR NEXT LLC-PLANT	6851 NE 2ND AVENUE MIAMI 33138
6804645	331 - FEDEX GROUND - MIAMI	10400 NORTHWEST 122ND ST. MEDLEY 33178
6804656	343 - FEDEX GROUND - KENDALL	27200 SW 127TH AVENUE HOMESTEAD 33032
6791098	GLOBAL MIAMI ACQUISITION COMPANY, LLC	36 NORTHEAST 2 STREET - FLOORS 1 / 6 / ROOF MIAMI 33132-2113
6843462	THE H.T. HACKNEY CO.	3490-3980 NW 119TH ST MIAMI 33167
6804750	MIAMI IV	3990 W 108TH ST HIALEAH 33018

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ID	Facility Name	Address
6843695	DRUG ENFORCEMENT ADMINISTRATION #12	2205 NORTH WEST 132ND PLACE MIAMI 33182-1899
6791482	TECH DATA - MIAMI	2200 NORTHWEST 112 AVENUE MIAMI 33172
6805467	COSTCO WHOLESALE (0182)	14585 BISCAYNE BLVD N. MIAMI BEACH 33181
6843939	AMAZON.COM SERVICES, LLC - MIA1	14000 NW 37TH AVE OPA LOCKA 33054
6791594	JOHN DEERE RDC- MIAMI	12950 NW 17TH STREET UNIT 100 MIAMI 33182
6844964	UNITED STATES POSTAL SERVICE	2200 NW 72 AVE MIAMI 33152
6805472	COSTCO WHOLESALE (1332)	14800 SOLE MIA WAY NORTH MIAMI 33181
6845415	U.S. POSTAL SERVICE ROYAL PALM P & DC	5500 NW 142ND STREET OPA LOCKA 33054
6805477	COSTCO WHOLESALE (0181)	16580 NW 59TH AVE MIAMI 33014
6845442	FALCON DISTRIBUTION	3201 NW 116 ST. MIAMI 33168
6805478	COSTCO WHOLESALE (1229)	7795 W. FLAGLER ST. MIAMI 33144
6805483	COSTCO WHOLESALE (1023)	13450 SW 120TH STREET KENDALL 33186
6845595	ALLIED UNIVERSAL - MIAMI	8350 NORTHWEST 93RD STREET MIAMI 33166
6805492	COSTCO WHOLESALE (0092)	8300 PARK BLVD MIAMI 33126
6845616	MEDTRONIC - MIAMI LAKES	14400-14440 NW 60TH AVENUE MIAMI LAKES 33014
6791681	BATTERY SALES	12275 NE 13TH AVE NORTH MIAMI 33161
6806999	SAM'S CLUB #6217	8425 N.W. 13TH TER. MIAMI 33126
6845624	QUIRCH FOODS	7600 NORTHWEST 82 PLACE MEDLEY 33166
6807308	JACOB FLEISHMAN AND SONS	1177 NORTHWEST 81 STREET MIAMI 33150
6807490	FL, MIAMI NAP/IT/POP	50 NE 9TH ST, SUITE 450 MIAMI 33132
6846301	FREEDOM FRESH LLC	11001 NW 124TH ST MEDLEY 33178
6807491	FL, MIAMI SATELLITE SWITCH MSC	1050 NW 167TH ST MIAMI 33169
6846487	THERMO FISHER SCIENTIFIIC	50 NW 176 STREET MIAMI 33169
6808716	LINEAGE LOGISTICS LLC	12855 NW 113TH COURT MEDLEY 33178-3115
6846569	CROWN CASTLE FIBER LLC	3605 NW 82ND AVENUE MIAMI 33126
6791682	BATTERY SALES	1500 NW 20TH ST MIAMI 33142
6791844	MIAMI	36 NE 2ND ST, 2ND FLOOR MIAMI 33132
6808723	LINEAGE LOGISTICS PFS, LLC	13801 NW 112TH AVENUE HIALEAH GARDENS 33018
6846669	PERRY ELLIS INTERNATIONAL	3000 NORTHWEST 107 AVENUE MIAMI 33172
6791954	U.S. AUTOFORCE MIAMI	2875 NW 77 AVENUE MIAMI 33122
6847669	SENTRY INDUSTRIES INC	5687 NW 36TH AVENUE MIAMI 33142
6792149	BELLSOUTH - NAHKODA DR - M6123	25 NAHKODA DR MIAMI SPRINGS 33166
6808751	MIAMI	3300 NORTHWEST 123RD STREET MIAMI 33167
6792153	BELLSOUTH - LENOX AVE - M6216	1550 LENOX AVE MIAMI BEACH 33139
6792178	BELLSOUTH - WEST FLAGLER ST - M6606	2105 WEST FLAGLER STREET MIAMI 33125
6792212	BELLSOUTH - N KENDALL DE - ME039	10701 N KENDALL DR MIAMI 33176
6792222	BELLSOUTH - W 69TH ST - M6702	1245 W 69TH ST HIALEAH 33014
6792229	BELLSOUTH - NW 29TH ST - ME251	251 NW 29 STREET MIAMI 33127
6847917	CITY OF HIALEAH RO WTP	16500 NW 97TH AVENUE HIALEAH 33018
6792241	BELLSOUTH - NW 79 ST - M6104	2615 NW 79 STREET MIAMI 33147
6792243	BELLSOUTH - M3906	9405 OLD DIXIE HIGHWAY MIAMI 33131
6808827	SHASTA BEVERAGE	3550 NW 110 ST. MIAMI 33167
6792257	AT&T - NW 6TH ST - M3740	13 NW 6TH ST MIAMI 33136
6792260	BELLSOUTH - NE 5TH AVE - M6506	18400 NE 5TH AVE MIAMI 33179
6848902	Q.A.C. LLC. DBA/ EAGLE BRANDS SALES (MIAMI)	3201 NW 72ND AVENUE MIAMI 33122
6808864	BJ'S WHOLESALE CLUB (0170)	650 SE 8TH STREET HOMESTEAD 33034
6792261	BELLSOUTH - E SUPERIOR ST - M6701	2660 E SUPERIOR ST OPA LOCKA 33054
6792264	BELLSOUTH - SW 67TH AVE - ME172	1155 SW 67TH AVENUE MIAMI 33144
6792266	BELLSOUTH - CIVIC CT - M2625	75 CIVIC CT HOMESTEAD 33030

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ID	Facility Name	Address
6808879	BJ'S WHOLESALE CLUB (0111)	8005 NW 95TH STREET HIALEAH GARDENS 33016
6792268	BELLSOUTH - ALHAMBRA CIR - M2523	115 ALHAMBRA CIR CORAL GABLES 33134
6848903	Q.A.C. LLC. DBA/ EAGLE BRANDS SALES (HOMESTEAD)	1000 PARK OF COMMERCE BOULEVARD HOMESTEAD 33035
6792269	BELLSOUTH - S DIXIE HWY - PALMETTO BAY - M2650	16645 S DIXIE HWY PALMETTO BAY 33157
6792275	BELLSOUTH - SW 88TH ST - ME277	15000 SW 88TH ST MIAMI 33196
6848929	BOLLORE LOGISTICS	13650 NW 17TH ST MIAMI 33182
6792282	BELLSOUTH - SW 17TH AVE - M2521	2010 SW 17TH AVE MIAMI 33145
6808880	BJ'S WHOLESALE CLUB (0179)	16205 SW 88TH STREET WEST KENDALL 33196
6792309	BELLSOUTH - M0995	100 N BISCAYNE BLVD MIAMI 33132
6792313	BELLSOUTH - HARDING AVE - M6204	6800 HARDING AVENUE MIAMI BEACH 33141
6855343	DELTA APPAREL	5821 EAST 10TH AVENUE #108 HIALEAH 33013
6792330	BELLSOUTH - SW 264TH ST - M2609	14475 SW 264TH ST HOMESTEAD 33032
6808883	BJ'S WHOLESALE CLUB (0051)	7007 SW 117TH AVENUE KENDALL 33183
6792333	EGEX (DOLPHIN STADIUM WEST) DAS VENUE - USID7095	2269 NORTHWEST 199TH STREET OPA LOCKA 33056
6792353	BELLSOUTH - ME170	87 WESTWOOD DR KEY BISCAYNE 33149
6855711	AAR LANDING GEAR SERVICES	9301-9401 NW 100 STREET MEDLEY 33178
6792368	BELLSOUTH - NE 127 ST - M6307	1360 NE 127 ST NORTH MIAMI 33161
6809391	INTELIQUENT INC FORMERLY NEUTRAL TANDEM - MIAMI	100 NORTH BISCAYNE BOULEVARD - SUITE 2000 MIAMI 33132
6792370	114TH PLACE SWITCH - ZX057R	12224 SW 114TH PL MIAMI 33176
6811346	ANIXTER- MIAMI	11420 NW 122ND STREET MEDLEY 33178
6792379	BELLSOUTH, CRE-TSO - ME036	444 NW 79TH AVE MIAMI 33126
6792380	BELLSOUTH - NW 27TH AVE - M6517	18560 NW 27 AVE NORTH DADE 33056
6792397	BELLSOUTH - NE 164TH ST - M6518	2100 NE 164TH ST NORTH MIAMI BEACH 33162
6855754	US ARMY GARRISON MIAMI	9301 NW 33RD STREET DORAL 33172
6792410	BELLSOUTH - 9056 NW 41ST ST - M6121	9056 NW 41ST ST MIAMI 33178
6811963	ESSENDANT - MIAMI	10801 NORTHWEST 103 STREET SUITE 21 MIAMI 33178
6792428	BELLSOUTH - M6603	5275 NW 36 ST MIAMI SPRINGS 33166
6792430	BELLSOUTH - SW 57TH AVE - M2506	6100 SW 57TH AVE MIAMI 33143
6792433	AT&T - 215TH ST - M6512	460 NE 215TH ST MIAMI 33179
6792440	BELLSOUTH - NW 26TH AVE - M6513	19251 W DIXIE HWY MIAMI 33180
6792446	BELLSOUTH - NW 38 ST - M6601	2470 NW 38 ST MIAMI 33142
6792458	BELLSOUTH - NE 1ST AVE - M6316	8451 NE 1ST AVENUE MIAMI 33138
6812025	AIRGAS USA, LLC - DORAL SO84	9030 NW 58TH ST. DORAL 33178-1608
6792495	BELLSOUTH - NW 5TH ST - ME037	45 NW 5 ST MIAMI 33128
6792502	BELLSOUTH - SW 100 AVE - M6068	2301 SW 100 AVENUE MIAMI 33165
6792512	AT&T - M8861	990 NE 125TH STREET NORTH MIAMI 33161
6792518	BELLSOUTH - NW 79TH AVE - M6077	600 NW 79 AVE MIAMI 33126
6812646	HOWARD FERTILIZER AND CHEMICAL COMPANY INC - HOMESTEAD	25400 SOUTHWEST 139 AVENUE PRINCETON 33032
6792521	BELLSOUTH - NW 21ST ST - M6612	1380 NW 21ST STREET MIAMI 33142
6793202	COCA-COLA BEVERAGES FLORIDA, LLC -MIAMI DADE	16569 SOUTHWEST 117 AVENUE MIAMI 33177
6793374	MIAMI	3590 N.W. 114TH STREET MIAMI 33167
6815011	UNIVERSITY OF MIAMI	1535 LEVANTE AVENUE CORAL GABLES 33124
6793543	FAA DHP VOR (DHP VOR)	94TH AVENUE AND 25TH STREET MIAMI 33122
6793545	FAA MIAMI ARTCC (ZMA ARTCC)	7500 NW 58TH ST. MIAMI 33166

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

ID	Facility Name	Address
6815110	CITY OF HOMESTEAD - STATION 6 / HARRIS FIELD	1034 NORTHEAST 8 STREET HOMESTEAD 33030
6815111	CITY OF HOMESTEAD - STATION 5 / HARRIS FIELD	450 NORTHEAST 12 AVENUE HOMESTEAD 33030
6815112	CITY OF HOMESTEAD - WITTKOP PARK	505 NORTHWEST 9 STREET HOMESTEAD 33030
6816177	SUNBELT RENTALS PC 019	6550 NW 77TH CT MIAMI-DADE 33166
6816192	SUNBELT RENTALS PC 115	65 NE 27TH ST MIAMI 33137
6816233	SUNBELT RENTALS PC 249	1450 NE 1ST AVE FLORIDA CITY 33034
6816686	ALSCO - MIAMI	1415 NW 21ST TERRACE MIAMI 33142
6816951	GOYA FOODS - MIAMI	13300 NORTHWEST 25 STREET MIAMI 33185
6817348	BAPTIST HEALTH SOUTH FLORIDA - DATA CENTER	2100 NORTHWEST 84 AVENUE DORAL 33122
6817372	B E AEROSPACE - MEDLEY	9100 NORTHWEST 105 CIRCLE MEDLEY 33178
6817515	CARRIER ENTERPRISE - CARRIER INTERAMERICA	10801 NW 103RD STREET, SUITE 1 MIAMI 33178
6819852	PUBLIX SUPER MARKETS - MIAMI WAREHOUSE	17900 NORTHWEST MIAMI COURT MIAMI 33169
6820921	TECHNO - COATINGS INC	1865 NORTHEAST 144 STREET NORTH MIAMI 33181
6821387	MEDLINE INDUSTRIES INC.- B22	9670 NORTHWEST 112 AVENUE MEDLEY 33178
6821516	AIRCO PLATING CO. INC.	3650 NW 46TH STREET MIAMI 33142
6821533	UNIVISION NETWORK	9405 NORTHWEST 41 STREET MIAMI 33178
6821542	WINDSTREAM PAETEC MIAMI 1	100 NORTH BISCAYNE BOULEVARD MIAMI 33132
6821547	WINDSTREAM NUVOX - MIAMI CENTRAL OFFICE	18504 NORTHEAST 5 AVENUE NORTH MIAMI BEACH 33179
6821555	WINDSTREAM - PAETEC MIAMI (BLUE LAGOON)	5301 BLUE LAGOON DRIVE - SUITE 100 MIAMI 33126
6821570	FRITO LAY - MIAMI DISTRIBUTION CENTER	12850 NORTHWEST 113 COURT MIAMI 33178
6821669	UNIVISION NEWSPORT	8551 NW 30 TERRACE DORAL 33122
6822009	NORWOOD WATER TREATMENT PLANT	19150 NW 8TH AVE MIAMI GARDEN 33169
6822797	VALASSIS DIRECT MAIL - MIAMI BRANCH	5890 NORTHWEST 163 STREET HIALEAH 33014-5600
6822822	GORDON FOOD SERVICE - MIAMI	3301 NORTHWEST 125 STREET MIAMI 33167
6822823	GORDON FOOD SERVICE	2850 NORTHWEST 120 TERRACE MIAMI 33167
6823896	RIVERSIDE PAPER - HEADQUARTERS	3505 NORTHWEST 112 STREET MIAMI 33167
6824041	SEVEN UP SNAPPLE SOUTHEAST MIAMI	5900 NW 72ND AVE MIAMI 33166
6824756	BROOKS EQUIPMENT CO - WH 27	20279 NE 15TH CT MIAMI 33179-2713
6825294	TROJAN BATTERY SALES, LLC	9705 NW 108 AVE. SUITE 6 MIAMI 33178
6825367	FLORIDA WATER PRODUCTS - OPA LOCKA	3341 NORTHWEST 168 STREET OPA LOCKA 33056
6825478	CORESITE REAL ESTATE, L.L.C.	2115 NW 22ND STREET, L.L.C. MIAMI 33142
6825510	TARMAC AMERICA - PENNSUCO PLANTS	11000 NORTHWEST 121 WAY MEDLEY 33178-1009
6826020	DATABANK	36 NE 2ND STREET, SUITE 700 MIAMI 33132
6826336	US FOUNDRY & MANUFACTURING INC PART OF US HOLDINGS	8351 NW 93RD ST MEDLEY 33166
6826811	FPT FLORIDA L.L.C.	3700 NW NORTH RIVER DRIVE MIAMI 33142
6828816	SEARS #6915	3655 SOUTHWEST 22ND STREET MIAMI 33125
6829004	UNFI FLORIDA - MIAMI	3355 NORTHWEST 77 AVENUE MIAMI 33122
6829216	# 55 ROYAL BATTERY DISTRIBUTORS	11411 N W 107 TH STREET SUITE 13 MIAMI 33178
6829365	VISTAR OF SOUTH FLORIDA	16295 NORTH WEST 13 AVENUE MIAMI 33169
6830197	INDIAN CREEK COUNTRY CLUB INC.	55 INDIAN CREEK ISLAND RD INDIAN CREEK VILLAGE 33154
6831218	K.G. INTERNATIONAL, INC	9800 NW 17 STREET DORAL 33172
6831733	LINEAGE LOGISTICS LLC	13700 NW 115TH AVENUE MEDLEY 33178-3154

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

Source: E-Plan

**Figure 1.3-2
List of 302 Facilities in the District
Broward County**

ID	Facility Name	Address
6842628	FLEXENTIAL	5301 NW 33RD AVENUE FORT LAUDERDALE 33309
6842724	MONDELEZ GLOBAL LLC - WESTON	1600 NORTH PARK DRIVE WESTON 33326
6842753	REDDY ICE - DAVIE (439)	5050 SOUTHWEST 51ST STREET DAVIE 33314
6843310	TOYOTA TSUSHO AMERICA, INC.	2200 SW 45TH STREET DANIA BEACH 33312
6844027	ROYAL WATERWORKS	8900 NW 44TH CT CORAL SPRINGS 33065
6845207	INTERSTATE BATTERY SYSTEM OF COASTAL FLORIDA	4100 NORTH POWERLINE ROAD - SUITE U-2 POMPANO BEACH 33073
6845523	HOST NET	3250 WEST COMMERCIAL BOULEVARD OAKLAND PARK 33309
6845602	UNIFIRST CORPORATION	500 SW 13TH TERRACE POMPANO BEACH 33069
6845685	QUEST DIAGNOSTICS - MIRAMAR	10200 COMMERCE PARKWAY MIRAMAR 33025
6785857	COMCAST OF FL/MI/NM/PA/WA, LLC	6565 NOVA DRIVE DAVIE 33317
6846020	PROPULSION TECHNOLOGIES INTERNATIONAL	15301 SOUTHWEST 29 STREET MIRAMAR 33027
6846571	CROWN CASTLE FIBER LLC	2530 N. ANDREWS AVENUE EXTENSION POMPANO BEACH 33064
6808569	SUN SENTINEL	333 SOUTHWEST 12 AVENUE DEERFIELD BEACH 33442
6846755	BMW EAST & MINI	2601 S. ANDREWS AVENUE FORT LAUDERDALE 33316
6785861	COMCAST OF FL/MI/NM/PA/WA, LLC	2501 SW 145TH AVE MIRAMAR 33027
6846756	POMPANO FORD LINCOLN	2741 N. FEDERAL HIGHWAY POMPANO BEACH 33064
6846760	LAUDERDALE BMW OF PEMBROKE PINES (BMW WEST)	14800 SHERIDAN STREET PEMBROKE PINES 33331
6785862	COMCAST OF FL/MI/NM/PA/WA, LLC	2601 SW 145TH AVE MIRAMAR 33027
6847169	NORTH SPRINGS IMPROVEMENT DISTRICT - WTP	9700 NORTHWEST 52 STREET CORAL SPRINGS 33076-
6808835	REPUBLIC NATIONAL DISTRIBUTING COMPANY- DEERFIELD BEACH	441 S.W. 12TH AVENUE DEERFIELD BEACH 33442
6848551	SUN COMMODITIES - DISTRIBUTION CENTER	2230 SW 2ND STREET POMPANO BEACH 33069
6785876	COMCAST OF FL/MI/NM/PA/WA, LLC	1000 SW 128TH AVENUE PEMBROKE PINES 33027
6848992	FLORIDA LINEN SERVICES - POMPANO BEACH	1407 SW 8TH STREET POMPANO BEACH 33069
6808876	BJ'S WHOLESALE CLUB (0181)	5100 NW 9TH AVENUE FORT LAUDERDALE 33309
6785884	COMCAST OF FL/MI/NM/PA/WA, LLC	11200 GRIFFIN RD. COOPER CITY 33330
6849066	HBO LATIN AMERICA PRODUCTION SERVICES LC	13801 NW 14TH ST. SUNRISE 33323
6785899	COMCAST OF FL/MI/NM/PA/WA, LLC	5000 JOHNSON RD. COCONUT CREEK 33073
6808882	BJ'S WHOLESALE CLUB (0106)	5901 HILLSBORO BOULEVARD PARKLAND 33067
6849109	HOST NET	3250 WEST COMMERCIAL BOULEVARD OAKLAND PARK 33309
6785915	COMCAST OF FL/MI/NM/PA/WA, LLC	141 NW 16TH STREET POMPANO BEACH 33060
6855206	EDWARD DON AND COMPANY - FLORIDA DC	11500 MIRAMAR PARKWAY - SUITE 600 MIRAMAR 33025-5813
6809883	ALL POINTS SCREW BOLT & SPECIALTY	2710 NW 9TH CT POMPANO BEACH 33069
6785918	COMCAST OF FL/MI/NM/PA/WA, LLC	550 NW 65TH AVE PLANTATION 33317
6855582	CITY OF PLANTATION - EAST WATER PLANT	500 NORTHWEST 65 AVENUE PLANTATION 33317
6785925	COMCAST OF FL/MI/NM/PA/WA, LLC	900 S. DIXIE HIGHWAY HALLANDALE BEACH 33009
6809945	J M FAMILY ENTERPRISES - BLDG 500	500 JIM MORAN BOULEVARD DEERFIELD BEACH 33442
6855583	CITY OF PLANTATION - CENTRAL WATER PLANT	700 NORTHWEST 91 AVENUE PLANTATION 33317

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

ID	Facility Name	Address
6855834	LAGO MAR COUNTRY CLUB	500 NORTHWEST 127 AVENUE PLANTATION 33325
6810081	CINTAS CORPORATION- FT. LAUDERDALE	3050 SOUTHWEST 42 STREET FORT LAUDERDALE 33312
6855927	FORT LAUDERDALE CC	415 COUNTRY CLUB CIRCLE PLANTATION 33317
6786222	CITY OF HOLLYWOOD - WTP	3441 HOLLYWOOD BOULEVARD HOLLYWOOD 33021
6810630	CORAL SPRINGS IMPROVEMENT DISTRICT	10300 NW 11TH MANOR CORAL SPRINGS 33071
6786223	CITY OF HOLLYWOOD - WWTP	1621 NORTH 14 AVENUE HOLLYWOOD 33020
6811701	CITY OF POMPANO BEACH - WTP	1205 NORTHEAST 5TH AVENUE POMPANO BEACH 33060-5758
6786292	CITY OF MARGATE - WTP	980 NORTHWEST 66 AVENUE MARGATE 33063-
6786329	CITY OF PEMBROKE PINES WATER TREATMENT PLANT	7960 JOHNSON STREET PEMBROKE PINES 33024
6786667	878226 - JAYCEE PARK	4800 RIVERSIDE DRIVE CORAL SPRINGS 33067
6786738	812070 - DXZO	6301 SUNRISE BLVD SUNRISE 33313
6811947	PEPSI BEVERAGE COMPANY - POMPANO WAREHOUSE	2121 NW 15TH AVE POMPANO BEACH 33069
6786973	MCI- PBCHFL (VZB- FLPBCHFL)	599 SW 16TH TERRACE POMPANO BEACH 33069
6786974	MCI- FLDDFL (VZB- FLFLDDFL)	1522 NW 23RD AVE FORT LAUDERDALE 33311
6787021	MCI- FTFTFL (VZB- FLFTFTFL)	4350 OAKES RD DAVIE 33314
6787025	MCI- FTBNFL (VZB- FLFTBNFL)	301 NE 3RD AVE FL 3 FORT LAUDERDALE 33301
6812010	AIRGAS USA, LLC. - FORT LAUDERDALE SO41	5401 POWERLINE ROAD FORT LAUDERDALE 33309-2801
6812167	DURANTE EQUIPMENT	3300 N. 28TH TERRACE HOLLYWOOD 33020
6812667	HOERBIGER PLANTS 1 & 2	1381 SW 30TH AVE. POMPANO BEACH 33069
6787227	PEMBROKE PINES WWTP	13955 PEMBROKE RD PEMBROKE PINES 33027
6812673	WYNMOOR COMMUNITY COUNCIL	1310 AVENUE OF THE STARS COCONUT CREEK 33066
6787363	JACARANDA GOLF CLUB	9200 WEST BROWARD BOULEVARD PLANTATION 33324
6814211	CITY OF COOPER CITY - WEST PLANT	11791 SOUTHWEST 49 STREET CITY OF COOPER CITY 33330
6788962	JEFFREY ALLEN - FORT LAUDERDALE	2701 REESE ROAD DAVIE 33314
6814598	BOEING DISTRIBUTION, INC. - FT. LAUDERDALE	3350 DAVIE ROAD, SUITE 206 DAVIE 33314
6788986	CROWN LIFT TRUCKS - MIAMI	2971 CENTER PORT CIRCLE POMPANO BEACH 33064
6789049	CITY OF CORAL SPRINGS - WATER PLANT	3800 NORTHWEST 85 AVENUE CORAL SPRINGS 33065
6814746	ROLL-N-LOCK	915 S DIXIE HWY E POMPANO BEACH 33060
6814780	SPRINGTREE UTILITY COMPLEX	4350 SPRINGTREE DRIVE SUNRISE 33351
6789211	FLORIDA POWER AND LIGHT - FORT LAUDERDALE POWER PLANT	4300 SOUTHWEST 42 AVENUE AT GRIFFIN ROAD FORT LAUDERDALE 33314
6814782	SAWGRASS MEMBRANE PLANT	777 SAWGRASS CORPORATE PARKWAY SUNRISE 33325
6789221	FLORIDA POWER AND LIGHT - BROWARD SERVICE CENTER	2800 NORTHWEST 17 TERRACE OAKLAND PARK 33311
6814783	SAWGRASS UTILITY COMPLEX	14150 NORTHWEST 8 STREET SUNRISE 33325
6789226	FLORIDA POWER AND LIGHT - ANDYTOWN SUBSTATION	US HIGHWAY 27 - 4 MILES SOUTH OF STATE ROAD 84 PEMBROKE PINES 33082
6815231	OFFICE DEPOT WESTON 1165	2925 W CORPORATE LAKES BOULEVARD WESTON 33331
6789855	FGT COMPRESSOR STATION 21.5 POMPANO	3030 NW 33RD STREET POMPANO BEACH 33066
6815234	OFFICE DEPOT XDCK 6924	10004 PREMIER PARKWAY MIRAMAR 33025
6815569	BAER'S FURNITURE COMPANY-MAIN WAREHOUSE	1589 NW 12 AVENUE POMPANO BEACH 33069
6790160	DEERFIELD BEACH WTP	290 GOOLSBY BLVD. DEERFIELD BEACH 33442
6815570	BAER'S FURNITURE COMPANY-AUXILLIARY WAREHOUSE	1572 NW 15 AVENUE POMPANO BEACH 33063
6815573	FLOOR AND DECOR #108	1914 WEST ATLANTIC BLVD. POMPANO BEACH 33069

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

ID	Facility Name	Address
6790346	GULFSTREAM PARK RACING ASSOCIATION	901 SOUTH FEDERAL HIGHWAY---25533 4TH FLOOR HALLANDALE BEACH 33009
6816097	SUNBELT RENTALS PC 065	6580 W STATE ROAD 84 DAVIE 33317
6816137	SUNBELT RENTALS PC 032	500 WEST PROSPECT RD OAKLAND PARK 33309
6816216	SUNBELT RENTALS PC 080	21100 SHERIDAN ST FORT LAUDERDALE 33332
6790839	SPECTRUM INVESTORS LLC	2050 SPECTRUM BLVD. FORT LAUDERDALE 33309
6816228	SUNBELT RENTALS PC 507	2700 S FEDERAL HWY HOLLYWOOD 33316
6816679	ALSCO - POMPANO BEACH	2631 NORTHWEST 17TH LANE POMPANO 33064
6790883	ENERSYS - DANIA BEACH	277 N BRYAN ROAD DANIA BEACH 33004
6791189	HOLLYWOOD CITY - ORANGEBROOK MUNICIPAL GOLF COURSE	400 ENTRADA DRIVE HOLLYWOOD 33021
6818133	PARKLAND UTILITIES	8001 PARKSIDE DRIVE PARKLAND 33067-1675
6791261	BROWARD COUNTY - PUBLIC SAFETY COMPLEX	2601 WEST BROWARD BOULEVARD FORT LAUDERDALE 33311
6818313	3A WATER TREATMENT PLANT	4980 SOUTHWEST 40 AVENUE DANIA BEACH 33312
6791723	CITY OF DANIA - GARAGE AND WTP	1201 STIRLING ROAD DANIA 33004
6818314	2A WATER TREATMENT PLANT	1390 NORTHEAST 50 STREET POMPANO BEACH 33064
6791955	U.S. AUTOFORCE FORT LAUDERDALE	2200 WEST SUNRISE BOULEVARD, SUITE 160 FORT LAUDERDALE 33311
6818315	1A WATER TREATMENT PLANT	3701 NORTH STATE ROAD 7 LAUDERDALE LAKES 33319
6792109	ARAMARK UNIFORM AND CAREER APPAREL, LLC	2351 BLOUNT RD POMPANO BEACH 33069
6818320	3C GROUND STORAGE TANK	2400 SW 67 AVENUE MIRAMAR 33023
6792195	BELLSOUTH - N FEDERAL HWY - POMPANO BEACH - E8423	1230 N FEDERAL HWY POMPANO BEACH 33062
6792213	BELLSOUTH - W BROWARD BLVD - E4512	10141 W BROWARD BLVD PLANTATION 33324
6792219	BELLSOUTH - W OAKLAND PARK BLVD - E4450	4200 W OAKLAND PARK BLVD FT LAUDERDALE 33313
6818324	MAGIC LEAP-HQ	7500 W SUNRISE BLVD PLANTATION 33322
6792223	BELLSOUTH - E OAKLAND PARK BLVD - E4442	2530 E OAKLAND PARK BLVD FT LAUDERDALE 33306
6792227	BELLSOUTH - BONAVENTURE BLVD - E4507	1431 BONAVENTURE BLVD WESTON 33326
6792237	AT&T - W CYPRESS CREEK RD - EG338	1001 W CYPRESS CREEK RD FORT LAUDERDALE 33309
6819662	HD PRO LOCATION #3454	3031 N ANDREWS AVE EXT POMPANO BEACH 33064
6792287	BELLSOUTH - 62ND AVE - E4101	250 S 62ND AVE HOLLYWOOD 33023
6792315	BELLSOUTH - N FEDERAL HWY - HOLLYWOOD - E4205	715 N FEDERAL HWY HOLLYWOOD 33020
6792348	BELLSOUTH - E6211	14000 NW 8TH ST SUNRISE 33325
6792356	BELLSOUTH - S DEERFIELD AVE - E8113	780 S DEERFIELD AVE DEERFIELD BEACH 33441
6792363	BELLSOUTH - BRYAN BLVD - E4502	4036 BRYAN BLVD PLANTATION 33317
6819724	FIVEASH WATER TREATMENT PLANT	4321 NORTHWEST 9 AVE FORT LAUDERDALE 33309
6792372	BELLSOUTH - NE 14TH AVE - CYPRESS - E4449	5395 NE 14TH AVE FT LAUDERDALE 33334
6792390	MARGATE MTSO - ZX02JE	5400 NW 15TH ST MARGATE 33063
6792398	BELLSOUTH - 8650 W OAKLAND PARK BLVD - E4464	8650 W OAKLAND PARK BLVD SUNRISE 33351
6792403	BELLSOUTH - BANKS RD - E8428	1180 BANKS RD COCONUT CREEK 33063
6792454	BELLSOUTH - NE 12TH AVE - E4220	120 NE 12TH AVE HALLANDALE 33009
6819725	G T LOHMEYER WASTEWATER TREATMENT PLANT	1765 SE 18 STREET FORT LAUDERDALE 33316
6792472	BELLSOUTH - NE 2ND ST - E4348	211 NE 2ND ST FT LAUDERDALE 33301
6792501	BELLSOUTH - N UNIVERSITY DR - E8438	7600 N UNIVERSITY DR TAMARAC 33321
6819726	PEELE DIXIE WATER TREATMENT PLANT	1500 SOUTH STATE ROAD 7 FORT LAUDERDALE 33317

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

ID	Facility Name	Address
6792505	AT&T - NW 49TH AVE CO - E0636	1340 NW 40TH AVE LAUDERHILL 33313
6792514	BELLSOUTH - 9420 ROYAL PALM BLVD - E8444	9420 ROYAL PALM BLVD CORAL SPRINGS 33065
6792517	BELLSOUTH - WEST OAKLAND PARK - E4410	8750 WEST OAKLAND PARK SUNRISE 33351
6792524	BELLSOUTH - NW 98TH AVE - E4109	61 NW 98TH AVE HOLLYWOOD 33024
6819849	PUBLIX SUPER MARKETS - DEERFIELD BEACH DISTRIBUTION	777 SW 12TH AVENUE DEERFIELD BEACH 33442
6793199	COCA-COLA BEVERAGES FLORIDA, LLC - BROWARD	3350 PEMBROKE ROAD HOLLYWOOD 33021
6819950	MB POMPANO - 46	1661 NW 12TH AVENUE POMPANO 33069
6793217	COCA-COLA BEVERAGES FLORIDA, LLC - SENECA	2700 SW 32ND AVENUE PEMBROKE PARK 33023
6793249	SERVICE COLD STORAGE	3220 SW 2ND AVE FORT LAUDERDALE 33315
6820130	ACTAVIS LABORATORIES---29036-4955	4955 ORANGE DRIVE FORT LAUDERDALE 33314
6793352	PET SUPERMARKET SUNRISE	1100 INTERNATIONAL PARKWAY SUNRISE 33323
6820131	ACTAVIS LABORATORIES- MARINA WEST WAREHOUSE	13900 NORTHWEST 2 STREET SUNRISE 33325
6794645	LEVEL 3 COMMUNICATIONS - FORT LAUDERDALE - FTLFFLDJ	200 NW 2ND ST FORT LAUDERDALE 33311
6820219	T MOBILE- MIAMI SWITCH	9954 PREMIER PARKWAY MIRAMAR 33025
6794654	LEVEL 3 COMMUNICATIONS - FORT LAUDERDALE - TMRCFL03	2121 W PROSPECT RD FORT LAUDERDALE 33309
6820335	SUNRISE (EVERGLADES) SWITCH	4850 NW 103RD AVENUE SUNRISE 33351
6794681	LEVEL 3 COMMUNICATIONS - FORT LAUDERDALE - FTLDFLTA	100 NE 3RD AVE FORT LAUDERDALE 33301
6794711	CITY OF LAUDERHILL WATER TREATMENT PLANT	2101 NW 49TH AVENUE LAUDERHILL 33313
6821242	SOUTHERN SPECIALTIES INC	1430 SW 6TH COURT POMPANO BEACH 33069
6794972	MEMORIAL REGIONAL HOSPITAL SOUTH	3600 WASHINGTON STREET HOLLYWOOD 33021
6794973	MEMORIAL REGIONAL HOSPITAL	3501 JOHNSON STREET HOLLYWOOD 33021
6794974	MEMORIAL HOSPITAL PEMBROKE	7800 SHERIDAN STREET PEMBROKE PINES 33024
6821328	LAUDERDALE BATTERY	2415 SW 3RD AVENUE FORT LAUDERDALE 33315
6794975	JOE DIMAGGIO CHILDREN'S HOSPITAL	1005 JOE DIMAGGIO DRIVE HOLLYWOOD 33021
6821545	WINDSTREAM NUVOX - FORT LAUDERDALE CENTRAL OFFICE -2	200 NORTH ANDREWS AVENUE FORT LAUDERDALE 33301
6821546	WINDSTREAM NUVOX - FORT LAUDERDALE CENTRAL OFFICE	201 NORTHEAST 4 STREET FORT LAUDERDALE 33301
6795107	ACTAVIS LABORATORIES - WESTON	2945 WEST CORPORATE LAKES BOULEVARD WESTON 33331
6795375	DELTA AIR LINES, INC. - FLL	100 TERMINAL DRIVE FT. LAUDERDALE 33315
6821572	FRITO LAY - POMPANO DISTRIBUTION CENTER	2800 CENTER PORT CIRCLE POMPANO 33064
6796622	THE HOME DEPOT STORE #6353	3183 SW 160TH AVE MIRAMAR 33027
6796656	THE HOME DEPOT STORE #0218	60 SW 12TH AVE DEERFIELD BEACH 33442
6796671	THE HOME DEPOT STORE #0258	2901 N UNIVERSITY DR SUNRISE 33322
6821730	CONCENTRIX CVG CORPORATION	5601 HIATUS ROAD TAMARAC 32256
6796694	THE HOME DEPOT STORE #6310	3401 OAKWOOD BLVD HOLLYWOOD 33020
6821859	AMERICAN BATTERY - FT LAUDERDALE	2800 SW 4TH AVENUE UNIT 20 FORT LAUDERDALE 33315
6796725	THE HOME DEPOT STORE #6356	4450 N STATE RD 7 COCONUT CREEK 33073
6796732	THE HOME DEPOT STORE #6372	1000 NE 4TH AVE FORT LAUDERDALE 33304
6822196	FLORIDA EAST COAST RAILWAY - PORT EVERGLADES	3750 S.E. 15TH AVENUE HOLLYWOOD 33316

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ID	Facility Name	Address
6798658	SEARS #45149 (TRANSFORM SR HOLDING MGMT LLC)	900 INTERNATIONAL PARKWAY SUNRISE 33325
6798799	FL BRANCH	10700 ENTERPRISE WAY MIRAMAR 33025
6823700	OWENS & MINOR DISTRIBUTION - DC 45	14599 NW 8TH STREET SUNRISE 33325
6799944	SEARS AUTO CENTER #6216	531 EAST SUNRISE BLVD. FORT LAUDERDALE 33304
6800045	SEARS # 6084 (TRANSFORM SR HOLDING MGMT LLC)	9565 WEST ATLANTIC BLVD. CORAL SPRINGS 33071
6824213	K P C SOUTHERN INDUSTRIES INC	600 NORTHEAST 28 STREET POMPANO BEACH 33064
6803109	UNITED RENTALS BRANCH G14	3501 STATE ROAD #7 DAVIE 33314
6824304	CITY OF TAMARAC - WTP	7803 NORTHWEST 61 STREET TAMARAC 33321
6824305	CITY OF TAMARAC - TRACT 27 WATER STORAGE TANK	7750 NORTHWEST 100 AVENUE TAMARAC 33321
6803131	UNITED RENTALS BRANCH 663	1803 SOUTH POWERLINE RD DEERFIELD BEACH 33442
6824306	CITY OF TAMARAC - GRANTS WATER STORAGE TANK	4191 WEST COMMERCIAL BOULEVARD---7594 TAMARAC 33321
6803145	UNITED RENTALS BRANCH 78J	3120 NW 16TH TERRACE POMPANO BEACH 33064
6825089	PORT EVERGLADES COLD STORAGE	3205 SE 19TH AVE FORT LAUDERDALE 33316
6804643	333 - FEDEX GROUND - FORT LAUDERDALE	2700 NW 25TH ST POMPANO BEACH 33069
6804746	ANDA	2915 WESTON ROAD WESTON 33331
6825180	AMERICAN EXPRESS SERVICE CENTER- SUNRISE, FLORIDA	1500 NW 136TH AVE. SUNRISE 33323
6805473	COSTCO WHOLESALE (0091)	1890 S UNIVERSITY DRIVE DAVIE 33324
6825284	TRIVIDIA HEALTH, INC.	2400 NW 55TH COURT FT LAUDERDALE 33309
6805475	COSTCO WHOLESALE (0088)	1800 WEST SAMPLE ROAD POMPANO BEACH 33069
6826056	TOD WATER (SYSTEM V) AND WATER RECLAMATION (SYSTEM IV) FACILITY	7351 SW 30 ST DAVIE 33314
6805484	COSTCO WHOLESALE (1323)	4621 CORAL RIDGE DR. CORAL SPRINGS 33076
6805490	COSTCO WHOLESALE (0742)	15915 PINES BLVD PEMBROKE PINES 33027
6806227	VERIZON WIRELESS MIAMI SWITCH PEMBROKE PINES: SWITCH (FLW3051855)	20901 TAFT STREET PEMBROKE PINES 33029
6826213	VERTIV CORPORATION	3590 NW 54TH STREET, SUITE 1 FORT LAUDERDALE 33309
6826807	SONNY'S ENTERPRISES, LLC	5605 AND 5607 HIATUS ROAD TAMARAC 33321
6807002	SAM'S CLUB #6341	13550 WEST SUNRISE BOULEVARD SUNRISE 33323
6807014	SAM'S CLUB #6637	950 NORTH UNIVERSITY DRIVE CORAL SPRINGS 33071
6827221	TRADEMARK METALS RECYCLING - POMPANO	811 NW 13TH AVE. POMPANO BEACH 33069
6827315	MOTOROLA SOLUTIONS - FL08 (PLANTATION)	8000 W SUNRISE BLVD PLANTATION 33322
6807025	SAM'S CLUB #8173	1900 UNIVERSITY DRIVE MIRAMAR 33025
6807029	WHOLESALE TRADING CENTER #7191	11700 MIRAMAR PARKWAY HOLLYWOOD 33025
6827386	ADIOS GOLF CLUB	7740 NORTHWEST 39 AVENUE POMPANO BEACH 33073
6807477	FL, DEERFIELD BEACH SATELLITE SWITCH MSC	734 S. MILITARY TRAIL DEERFIELD BEACH 33442
6828778	BUNZL DISTRIBUTION SOUTHEAST (DBA BUNZL/R3 FLORIDA & CARIBBEAN))	9702 PREMIER PARKWAY MIRAMAR 33025
6807734	UPS SUPPLY CHAIN SOLUTIONS - FLFRL	2551 SW 39TH STREET, SUITE 150 HOLLYWOOD 33312
6829009	UNFI - POMPANO WAREHOUSE	1141 SW 12TH AVENUE POMPANO BEACH 33069
6808533	JELD-WEN MILLWORK DISTRIBUTION-CORAL SPRINGS	12421 NW 39TH STREET CORAL SPRINGS 33065-2416
6829085	FLORIDA HEAT PUMP	601 N W 65TH COURT FORT LAUDERDALE 33309
6829620	H&E EQUIPMENT SERVICES, INC. #4031	1021 NORTHWEST 12 TERRACE POMPANO BEACH 33069
6830115	FLL UNITED AIRLINES - FT. LAUDERDALE	50 TERMINAL ROAD FT LAUDERDALE 33315

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

ID	Facility Name	Address
6830495	LAND N SEA DISTRIBUTING INC - POMPANO	3131 NORTH ANDREWS AVENUE EXTENTION POMPANO BEACH 33064
6831853	COSMO INTERNATIONAL CORPORATION (NEWPORT)	1341 W NEWPORT CENTER DR DEERFIELD BEACH 33442
6831917	SONNY'S ENTERPRISES, LLC	6501 NOB HILL RD TAMARAC 33321
6832222	CARDINAL HEALTH - WESTON	3205 MERIDIAN PARKWAY WESTON 33331
6832985	STIMPSON COMPANY INC	1515 SOUTHWEST 13 COURT POMPANO BEACH 33069-4789
6833816	MAPEI	1851 NORTHWEST 22 STREET FORT LAUDERDALE 33311
6833910	HYPERION MATERIALS & TECHNOLOGIES - PLANT 2	3041 GATEWAY DR. POMPANO BEACH 33069
6835004	AVEVA - 3250	3250 COMMERCE PARKWAY MIRAMAR 33025
6835100	BREAKTHRU BEVERAGE FLA., MIRAMAR	9801 PREMIER PARKWAY MIRAMAR 33025
6835233	HAWKINS WATER TREATMENT GROUP - HOLLYWOOD	5705 DEWEY STREET HOLLYWOOD 33023
6835242	WHEELABRATOR SOUTH BROWARD	4400 SOUTH STATE ROAD 7 FORT LAUDERDALE 33314
6835691	CIGNA - SUNRISE	1571 SAWGRASS CORPORATE PARKWAY SUNRISE 33323
6836501	LEARJET INC.	4100 SW 11TH TERRACE FORT LAUDERDALE 33316
6836975	FRESHPOINT SOUTH FLORIDA	2300 NORTHWEST 19 STREET POMPANO BEACH 33069
6837676	R AND H PLATING	2341 NW 30TH CT OAKLAND PARK 33311
6839065	CITY OF NORTH LAUDERDALE - WTP	841 SOUTHWEST 71 AVENUE NORTH LAUDERDALE 33068
6839291	NUTRANEXT SUNRISE	1301 SAWGRASS CORPORATE PARKWAY SUNRISE 33323
6839682	SIMONIZ KEMKO	3000 SW 15TH ST., DEERFIELD BEACH, FL DEERFIELD BEACH 33442
6839962	CITY OF MIRAMAR - EAST WTP	2600 SOUTHWEST 66 TERRACE MIRAMAR 33023
6839968	CITY OF MIRAMAR - WEST WATER PLANT	4100 S. FLAMINGO ROAD MIRAMAR 33027-
6840273	GOLD COAST - POMPANO	1751 NW 12TH AVENUE POMPANO BEACH 33069
6840803	WHOLE FOODS MARKET - DISTRIBUTION CENTER	2700 NW 19TH ST POMPANO BEACH 33069
6841349	DEER CREEK GOLF CLUB	2801 DEER CREEK COUNTRY CLUB BLVD DEERFIELD BEACH 33442
6841387	JL AUDIO - MIRAMAR 1	10369 N COMMERCE PKWY. MIRAMAR 33025
6841388	JL AUDIO - MIRAMAR 2	10431 N COMMERCE PKWY. MIRAMAR 33025
6841736	SWIFT INDUSTRIAL POWER, INC.	10340 NW 53RD STREET SUNRISE 33351
6842114	FANATICS, INC. - MIRAMAR	15701 SW 29TH STREET MIRAMAR 33027

Source: E-Plan

**Figure 1.3-3
List of 302 Facilities in the District
Monroe County**

ID	Facility Name	Address
6792228	BELLSOUTH - OVERSEAS HWY - M2681	82689 OVERSEAS HWY ISLAMORADA 33036
6792271	BELLSOUTH - M2687	19921 OVERSEAS HIGHWAY SUGARLOAF 33042
6792385	BELLSOUTH - AVENUE A - M2620	30769 AVENUE A BIG PINE KEY 33043
6792401	BELLSOUTH - COCO PLUM DR - M2616	31 COCO PLUM DR MARATHON 33050
6792471	BELLSOUTH - M2645	94930 OVERSEAS HWY KEY LARGO 33070
6792475	BELLSOUTH - M2647	34 GATEHOUSE RD KEY LARGO 33037
6792481	BELLSOUTH - ME001	102180 OVERSEAS HWY KEY LARGO 33037
6792508	BELLSOUTH - SOUTHARD ST - ME040	530 SOUTHARD ST KEY WEST 33040
6793201	COCA-COLA BEVERAGES FLORIDA, LLC -THE KEYS	30801 AVENUE A BIG PINE KEY 33043
6796697	THE HOME DEPOT STORE #6313	2811 N ROOSEVELT BLVD KEY WEST 33040
6809879	SEARS # 6636 (TRANSFORM SR HOLDING MGMT LLC)	3202 N ROOSEVELT BLVD KEY WEST 33040
6827849	STOCK ISLAND POWER PLANT	6900 FRONT STREET EXTENDED KEY WEST 33040
6827902	US NAVY NAVAL AIR STATION KEY WEST (AT BOCA CHICA)	BUILDING A-626 RANDOLF AVE KEY WEST 33040
6827908	US NAVY NAVAL AIR STATION KEY WEST - SIGSBEE PARK	SIGSBEE ROAD KEY WEST 33040
6827910	US NAVY NAVAL AIR STATION KEY WEST - TRUMAN ANNEX	DEKALB AVE KEY WEST 33040
6835234	HAWKINS WATER TREATMENT GROUP - BIG PINE KEY	100 INDUSTRIAL ROAD BIG PINE KEY 33043
6840274	GOLD COAST - ROCKLAND	161 US HIGHWAY 1, UNITS 18-24 ROCKLAND 33040
6841529	DRY TORTUGAS NATIONAL PARK -- LOGGERHEAD KEY	70 MILES WEST OF KEY WEST, ACCESSIBLE ONLY BY BOAT KEY WEST 33040
6848240	FLORIDA KEYS AQUEDUCT - STOCK ISLAND PUMPING STATION	5226 COLLEGE ROAD KEY WEST 33040
6848242	FLORIDA KEYS AQUEDUCT - J ROBERT DEAN WTP AND PUMPING STATION	35400 SOUTHWEST 192 AVENUE FLORIDA CITY 33034
6855932	OCEAN REEF CLUB	35 OCEAN REEF DRIVE, SUITE 200 KEY LARGO 33037

Source: E-Plan

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

- B. Miami-Dade County
See criteria for SoFlaLEPC above.
- C. Broward County
See criteria for SoFlaLEPC above.
- D. Monroe County
See criteria for SoFlaLEPC above.

1.4 Assumptions

The purpose of subsection 1.4 is to outline the specific variables that are part of the hazard analysis. These variables are contained in the Demonstration Plan.

A. South Florida LEPC

Extremely hazardous substances present in quantities above their threshold planning quantities will be identified for the Local Emergency Planning Committee by the reporting facilities.

Estimates of vulnerable zones are based upon the following credible "worst case" assumptions, as recommended in state guidelines:

- Quantity released: maximum quantity that could be released from largest vessel or interconnected vessels
- Rate of release to air: total quantity of gas, solid as a powder, or solid in solution is assumed to be released in 10 minutes; for liquids and molten solids, the rate is based on the rate of evaporation (rate of volatilization)
- Temperature: Applicable for liquids only, dependent on whether they are utilized at ambient temperatures or near their boiling points; for molten solids at their melting point
- Meteorological conditions: wind speed of 8 miles per hour and atmospheric stability
- Topographic conditions: flat, level unobstructed terrain; use of the dispersion model for open areas
- Level of Concern: 1/10 of the National Institute for Occupational Safety and Health's "Immediate Danger to Life and Health" (IDLH) level

For the purposes of this plan, a vulnerable zone is an estimated geographical area that may be subject to the concentrations of an airborne EHS at levels that could cause irreversible acute health effects to human populations within the area following an accidental release. At the time of an accidental release, with the wind generally moving in one direction, the area affected by the release is normally in the downwind direction.

Because the wind direction at the time of an accidental release cannot be predicted, the response agencies will consider all possible wind directions and subsequent plume paths for the purpose of this plan. The size of an estimated volatile zone depends on the distance the airborne chemical travels before it shall be dispersed and is diluted to a concentration below the Level of Concern (LOC). The chemical facility owners and operators shall provide funding pursuant to Chapter 252, Part II Florida Statutes and Rule 9G-14, Florida Administrative Code to support preparedness planning activities by state, regional and local agencies.

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

The facility owners and operators will notify state and local governments of an emergency in sufficient time to implement warning and protective actions.

There are five areas of concern where accidents can occur: fixed facilities, air transportation, rail transportation, ship transportation, and highway transportation. This analysis will provide an overview of these concerns.

Spills of hazardous materials may involve liquids or solids. The liquid spills include fuels, acids and cyanides. Solids have included pesticides and fertilizers. Liquid spills typically form a pool that ultimately boils off forming toxic or flammable vapors (or both). These vapors can form a cloud, which can travel downwind and threaten populations. Solids tend to pose a threat in the immediate vicinity of an incident.

Fires can affect hazardous materials in two ways: the product itself may be flammable and ignite, or the product may be in a container which, when heated, may explode in a boiling liquid expanding vapor explosion (BLEVE). Hazardous materials that burn are not yielding their own vapors exclusively. They are also yielding by-products of combustion including carbon monoxide, hydrogen cyanide, phosgene and other gases.

Releases of hazardous materials to the atmosphere can involve liquefied natural gas, propane, anhydrous ammonia and chlorine. In the case of chlorine, which is highly toxic, it is possible that areas 10 miles away will still be at risk downwind from a major leak of a rail tank car. In case of propane, there is a high risk of an explosion if the ground hugging vapors reach an ignition source.

- B. Miami-Dade County
See criteria for SoFlaLEPC above.
- C. Broward County
See criteria for SoFlaLEPC above.
- D. Monroe County
See criteria for SoFlaLEPC above.

1.5 Supporting Plans

Subsection 1.5 describes plans and reports that aided in the preparation of the county and District plans. These plans may also be activated in the event of a hazardous materials incident.

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

A. South Florida LEPC

The following federal and state emergency plans are available to support the county plans and the implementation of the SoFlaLEPC Hazardous Materials Emergency Response Plan:

Florida Coastal Pollutant Spill Plan
Florida Mutual Aid Plan
State Comprehensive Emergency Management Plan (CEMP)
National Oil and Hazardous Substances Pollution Contingency Plan

B. Miami-Dade County

Comprehensive Emergency Management Plan
Emergency Support Function 10
See SoFlaLEPC above and Appendix A

C. Broward County

Comprehensive Emergency Management Plan
Mass Casualty Incident Plan
Fire Chiefs' Association of Broward County, Disaster Response Plan
See SoFlaLEPC above and Appendix B

D. Monroe County

Florida Mutual Aid Plan
Comprehensive Emergency Management Plan
See SoFlaLEPC above and Appendix C

1.6 Authorities and References

The purpose of subsection 1.6 is to list the mandates for the local and District plans. In addition, the section lists technical references that aided in preparation of the plans. Mutual aid agreements are also listed.

A. Legal Authorities of the Jurisdictions within the Region

- Miami-Dade Comprehensive Emergency Management Plan (CEMP)
- Miami-Dade County Ordinance 8b
- Broward County CEMP
- Broward County Resolution 81-71
- Broward County Wellfield Ordinance 2013-23, § 1, 6-11-13
- Monroe County Ordinance 028-1987
- Monroe County CEMP

B. State and Federal Authorities

- Florida Statutes 252
- Florida Statutes 403
- National Response Framework
- Occupational Safety and Health Act (OSHA)
- Stafford Act
- Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
- Clean Water Act
- Oil Pollution Act
- Transportation of Hazardous Materials, 49 USC 5101

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

- National Oil and Hazardous Substances Pollution Contingency Plan
- Executive Order 12580, Superfund Implementation
- Executive Order 11735, Assignment of Functions Under Section 311 of the Federal Water Pollution Control Act
- Superfund Amendments and Reauthorization Act of 1986, including the Emergency Planning and Community Right-To-Know Act (SARA Title III) of 1986

C. Mutual Aid Agreements with other Jurisdictions

The provision of effective and efficient response to a hazardous materials incident is critical to ensuring the safety of the populace, the environment and the long-term growth of South Florida's economy. To begin to understand the complexities of the issue it may be helpful to understand a comparable, existing mutual aid opportunity, e.g., fire service.

However, the same is not true for mutual aid agreements addressing hazardous materials incidents. In contrast to fire service, which almost every local government has, there are only seven local governments in the District with HazMat teams. They include Miami-Dade and Broward Counties, City of Miami, City of Hollywood, City of Ft. Lauderdale, City of Sunrise and the City of Hialeah. Again, in contrast to fire service, mutual aid between local governments to respond to a hazardous materials incident will likely never be of the same reciprocal nature as are fire agreements because of the resources (specialized equipment and training) necessary to properly organize a hazardous materials team. As a result, regionalization of this specialized service appears to be a cost efficient and effective method to ensure timely response to such incidents throughout the District.

Emergency response officials are aware of the need to improve the number of and the breadth of mutual aid agreements for hazardous materials response. The following information lists some of those efforts within the District:

- All political jurisdictions within the District are signatories of the State Mutual Aid Agreement
- There are no extra jurisdictional agreements for response to hazardous materials incidents with neighboring counties outside the District (Palm Beach, Collier and Hendry counties). Yet, there is informal cooperation across District lines
- Within Miami-Dade County, there exists a formal mutual aid agreement among the county and all of the municipalities
- Within Broward County, there exists a formal mutual aid agreement among the county and all of the municipalities
- Broward County government has entered into an Interlocal Agreement providing for mutual emergency aid with Palm Beach County
- All fire departments in Broward County have entered into an Interlocal Agreement
- Within Monroe County, there exists no formal mutual aid agreement among the county and the municipalities for response to hazardous materials incidents. HazMat response capabilities are available from the Boca Chica NAS and Key West. The county and the cities do have a formal agreement for mutual aid in response to fire suppression
- Monroe County has entered into mutual aid agreements with the City of Key West, Ocean Reef, Boca Chica Naval Air Station, and Miami-

Section 1.0: Plan Organization, Overview and Purpose (Cont.)

Dade County for fire suppression, rescue assistance and assistance of any fire department related emergency upon availability

C. List of General and Technical References

- Hazardous Materials Response Handbook (NFPA, most current)
- Recognition and Management of Pesticide Poisonings (EPA, most current)
- Fire Protection Guide on Hazardous Materials (NFPA, most current)
- Emergency Response Guidebook (USDOT, most current)
- Guide for Development of State and Local Emergency Operations Plan (CPG1-8), Federal Emergency Management Agency
- Hazardous Materials Emergency Planning Guide (NRT-1), National Response Team
- Community Teamwork, U.S. Department of Transportation
- Community Awareness and Emergency Response Program Handbook, Chemical Manufacturers Association
- Site Emergency Response Planning, Chemical Manufacturers Association
- Community Emergency Response Exercise Program, Chemical Manufacturers Association
- CHRIS: Manual I, A Condensed Guide to Chemical Hazardous, Washington, D.C.; U.S. Coast Guard, USCG Publication M. 16465. IIA, most current
- CHRIS: Manual II, Hazardous Chemical Data, Washington, D.C.: U.S. Coast Guard, USCG Publication M. 16465. 12A, most current.
- Emergency Response Guidebook, Washington, D.C.: U.S. Department of Transportation, DOT Publication No. 5800.5, most current
- Guidelines for the Selection of Chemical Protective Clothing, 2nd ed., Cincinnati, Ohio: American Conference of Governmental Industrial Hygienists, Inc., most current
- Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, Washington, D.C.: National Institute of Occupational Safety and Health, DHHS Publication No. 85-115, most current
- Pocket Guide to Chemical Hazards, Washington, D.C.: National Institute of Occupational Safety and Health, DHHS Publication No. 90-117, most current
- SLG 101 Guide for All-Hazard Emergency Operations Planning, FEMA most current
- Hazardous Materials Response Guidebook. National Fire Protection Association, most current
- Fire Protection Guide on Hazardous Materials, National Fire Protection Association, most current
- Guidelines for the Selection of Chemical Protective Clothing, American Conference of Governmental Industrial Hygienists
- Emergency Management of Hazardous Material Incidents, National Fire Protection Association, most current
- Hawley's Condensed Chemical Dictionary, Richard Lewis, most current

2. EMERGENCY RESPONSE ORGANIZATIONS AND RESPONSIBILITIES

2.1 General

This section identifies the federal, state, county and private organizations that would participate in response to an emergency involving hazardous materials and describes the responsibilities of each group. Those individual officials who are responsible for coordinating activities of the listed agencies must assure continuity of resources to support emergency operations over an extended period.

2.2 Local Government Organizations and Responsibilities

The purpose of this section is to identify the responsibilities of the varying organizations within a county when responding to a hazardous materials incident.

A. South Florida LEPC

Each local government in the District has different procedures for response. These procedures are discussed below by county.

B. Miami-Dade County

The County Mayor has the overall responsibility for hazardous materials emergency response planning for Miami-Dade. The County Mayor, through the Director of Emergency Management shall initiate action and provide direction and control at the local level to include consideration of in place sheltering or evacuation as an option for the protection of the public.

- Board of County Commissioners
Refer to the Comprehensive Emergency Management Plan (CEMP).
- Mayor
The County Mayor is responsible for assuring overall continuity of resources to assure 24-hour operations for an extended period. If conditions warrant, the County Mayor will declare a local state of emergency. The County Mayor may conduct news conferences and issue disaster preparedness news bulletins or other disaster public information statements.
- Director, Office of Emergency Management
The Director is responsible for the coordination, development and maintenance of procedures to implement the Miami-Dade County Plan consistent with existing conditions and procedures. The Director will also be responsible for maintaining this plan through annual revisions.

The Director or designee will be responsible for providing communications and other logistical support to the public safety agencies involved in emergency operations in response to a hazmat incident, as well as for early warning and notification of the population within the affected area. This includes responsibility for the notification of the County Emergency Operations Center (EOC) staff, activating the EOC, and notifying all local governmental and private agencies supporting emergency operations, as appropriate, to the severity of the incident.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

The Director is responsible for developing and implementing a public education program designed to advise the public of the risks associated with hazardous materials and appropriate actions to take should an emergency occur in the community and is authorized to issue any public information statements during an emergency period necessary to implement any previously approved contingency plan. The Director will coordinate overall emergency operations and support needs with the Florida Division of Emergency Management, state and federal support agencies, and appropriate facility owner/operator.

- County and Municipal Law Enforcement Agencies
Responsibilities shared by the Miami-Dade Police Department and municipal law enforcement agencies include:
 - a. Determine the occurrence of a hazardous materials incident.
 - b. Notify the fire department which has jurisdiction of the hazardous materials incident and request that appropriate response be initiated.
 - c. Isolate and establish command over the area where evacuation, public safety, traffic control and protection of property are of concern.
 - d. Provide traffic control along evacuation routes and crowd control at reception centers and evacuation centers.
 - e. Secure evacuated areas until residents are allowed to return home.
 - f. Appoint liaison to the Emergency Operations Center.
 - g. Provide additional resources and support as necessary.

- Fire Dispatch (FD)
Dispatch the appropriate fire department. If hazmat, the FD will:
 - a. Notify the State Watch Office through the County Warning Point.
 - b. Notify the Emergency Management Duty Officer, EMS and RER DERM. These three agencies are part of the unified command structure. Notify other support agencies, as requested by the IC.
 - c. Take necessary steps to warn municipalities and the public in the area affected, when so directed by the IC, or his designated representatives.
 - d. Possess an up-to-date evacuation plan and list of shelters and special properties for said plans, as required under PL 99-499, Title III. This information will include contact telephone numbers.
 - e. Miami-Dade Emergency Management will notify Mass Transit and coordinate with the American Red Cross to open shelters as requested.
 - f. When directed by the IC, contact the FAA at Miami International Airport to establish restricted air space over the incident.

- County and Municipal Fire Departments
Responsibilities shared by county and municipal fire departments include:
 - a. Respond to, investigate, and assume direct control of the management of hazardous materials incident scenes occurring within its jurisdiction.
 - b. Determine the type and nature of the hazardous material involved. Coordinate the issuance of Personal Protection Equipment (PPE) to other agencies listed in this plan, as needed.
 - c. Determine the necessity for an evacuation, issue evacuation orders when appropriate, and identify the vulnerable zone to be evacuated.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- d. Notify Miami-Dade Emergency Management, which will make proper notification to federal and state agencies as required by federal and state laws.
 - e. Request assistance from appropriate federal and state agencies through Miami-Dade Emergency Management.
 - f. Initiate request for assistance from appropriate agencies necessary to neutralize and/or contain the hazardous materials involved.
 - g. Give full cooperation to assisting agencies involved in determining action to be taken to contain the hazardous materials involved.
 - h. Ensure vehicle, equipment, and personnel decontamination and monitoring when necessary.
 - i. Miami-Dade Fire Rescue Emergency Medical Services will coordinate with Miami-Dade OEM and municipal EMS the emergency medical transportation of persons in need of such services and assist in the evacuation and transfer of patients from hospitals and nursing homes in the affected areas. Further, they will assist in the evacuation of persons on the Emergency & Evacuation Assistance Program registry.
 - j. Appoint liaison to the Emergency Operations Center.
- Regulatory and Economic Resources (RER)
Miami-Dade County RER is responsible for:
 - a. Providing technical support in identifying, containing, and removing hazardous materials releases;
 - b. Providing technical support in the assessment of potential environmental damage and potential health risks associated with hazardous materials discharges;
 - c. Providing coordination and initiating requests for services from emergency response subcontractors and hazardous waste disposal firms;
 - d. Providing laboratory support for analysis of environmental samples;
 - e. Providing site-specific information regarding site plans, chemical inventories and operations at RER permitted industrial facilities;
 - f. Documenting releases and providing subsequent monitoring and/or enforcement to ensure clean-up and restoration of acceptable operations after emergency situations have been controlled.
 - g. Appoint liaison to the Emergency Operations Center.
 - h. RER representatives require the skill and knowledge to navigate through PEN, ECM and ArcGIS and have access to those programs.
 - Health Department
Florida Department of Health in Miami-Dade County is responsible for:
 - a. Monitoring potential public health problems.
 - b. Supervising local public health operations and coordinating all governmental and non-governmental resources involved in the prevention or control of public health problems. These activities can include, but is not limited to, enacting health orders and restrictions to the public; coordinate health evaluation and treatment services for exposed persons; and working with the local healthcare facilities and physicians regarding treatment protocols.
 - c. Informing the Florida Division of Emergency Management, through the Miami-Dade County Emergency Management Director, of degraded public health conditions.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- HazMat Teams within Miami-Dade County
Assist the Incident Commander in the mitigation of the incident.
HAZMAT Teams will exercise with selected facilities on an annual basis.
- Transportation and Public Works
The Department of Transportation and Public Works will provide the following assistance:
 - a. Assist local fire departments with the assembly and disassembly of wash down (decon) stations once these have been likewise decontaminated.
 - b. Assist law enforcement agencies with evacuation operations by providing traffic control keys as available to law enforcement personnel.
 - c. Provide additional dry-oil materials from stockpile as needed.
 - d. Provide emergency bus transportation to assist in the evacuation of the general population as well as hospitals, nursing homes, and schools, to the extent that the evacuees are fully ambulatory and strong enough to sit in a moving bus unaided and unrestrained, without falling.
 - e. Personnel will not respond into a contaminated area without previous training and issuance of Personal Protective Equipment (PPE).
 - f. Vehicles and personnel will be decontaminated prior to being returned to normal service.
- Miami-Dade County Public Schools
The Miami-Dade County Public Schools will provide the following assistance:
 - a. Provide temporary evacuation center operations, which utilize school facilities, and provide equipment for the preparation of food for evacuees in cooperation with the American Red Cross.
 - b. Provide buses for evacuees needing transportation, if required.
 - c. Enact a reunification system for evacuated children and their parents or guardian.
 - d. Initiate measures to assure the safety and security of children and staff under the charge of the school board superintendent.
- Other County and Municipal Agencies
Other county and municipal agencies may be required to provide equipment, personnel and services in support of emergency operations.

C. Broward County

- Board of County Commissioners
Refer to the Comprehensive Emergency Management Plan (CEMP). The Board of County Commissioners has the authority to declare a Local State of Emergency. If the Commission is unable to meet, then the Mayor can make the declaration.
- County Area Hospitals
Broward County hospitals will accommodate, if evacuation is necessary, transfer patients from affected hospitals, critical nursing home patients requiring hospitalization, and accident victims injured during the evacuation operations.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- Emergency Management Division (EMD)
 - a. The Director of the EMD, or his representative, serves as the Community Emergency Coordinator (CEC), as prescribed in Section 303 of SARA, Title III, The Community Right to Know Act PL 99-499; serves as part of the unified command at HAZMAT incidents along with the fire department, law enforcement, EMS, the Facility Emergency Response Coordinator (FERC) and the lead environmental agency.
 - b. Develop, maintain and operate the Emergency Management Program for Broward County.
 - c. Develop plans to deal with releases, as required by local, state and federal regulations.
 - d. If requested by the Incident Commander (IC), respond to a notification of a HAZMAT release. Report to the Command Post (CP) and act as a link to the IC and resource contacts.
 - e. Determine if all appropriate and concerned agencies have been notified.
 - f. Confirm that the public has been informed of proper action they should take, depending upon the situation and the best judgment of the IC, and other individual agencies.
 - g. Request state and/or federal emergency assistance, as necessary.
 - h. Coordinate efforts of involved agencies as required.
 - i. Coordinate technical advice, the provisions of additional monitoring instruments, backup communications, and other available resources, as required.
 - j. Develop a shelter list with contact names and numbers. Assist industry in developing emergency plans, ensuring current copies are located with fire departments and Broward Sheriff's Office Fire Rescue Communications.
- Emergency Medical Services
 - a. A representative of this agency is part of the unified command at the hazardous materials incidents, along with the fire department, law enforcement, the EMD (CEC), the FERC and the lead environmental agency.
 - b. If warranted, implement the Broward County Mass Casualty Incident Plan; activate the Medical Resources Coordination Center (MRCC). The MRCC coordinates the distribution of the injured to hospitals.
 - c. Care for and have the injured transported to an appropriate hospital(s). Inform the receiving hospital(s) of the types of materials the injured have been exposed to; if they are contaminated; if any field decontamination has been done.
 - d. Notify the appropriate Poison Control Agency of the type of hazardous materials involved.
 - e. Maintain units at the scene, as required, to care for and transport persons that may be injured during mitigation operations.
 - f. If available, distribute cellular telephones for inter-agency coordination.
 - g. Broward County EMS staff will NOT be utilized in areas that have been contaminated.
- Health Department

The Broward County Public Health Department is responsible for:

 - a. Monitoring potential public health problems.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- b. Supervising local public health operations and coordinating all governmental and non-governmental resources involved in the prevention or control of public health problems. These activities can include, but is not limited to, enacting health orders and restrictions to the public; coordinate health evaluation and treatment services for exposed persons; and working with the local healthcare facilities and physicians regarding treatment protocols.
 - c. Informing the Florida Division of Emergency Management, through the Broward County Emergency Management Director, or designee, of degraded public health conditions.
- Fire Dispatch (FD)

Dispatch the appropriate fire department.
If a hazardous material is involved, the FD will:

 - a. Notify the State Watch Office through the County Warning Point.
 - b. Notify the Community Emergency Coordinator (CEC), EPC, EMS and the EPGMD. These three agencies are part of the unified command structure. Notify other support agencies, as requested by the IC.
 - c. Take necessary steps to warn municipalities and the public in the area affected, when so directed by the IC, or his designated representatives.
 - d. Possess an up-to-date evacuation plan and list of shelters and special properties for said plans, as required under PL 99-499, Title III. This information will include contact telephone numbers.
 - e. Division of Emergency Management will notify Mass Transit and coordinate with the American Red Cross to open shelters.
 - f. When directed to do so by the IC, contact the FAA at Fort Lauderdale/Hollywood International Airport to establish restricted air space over the incident.
 - County and Municipal Fire Departments
 - a. Determine or verify the type of material involved and, if possible, the nature of the hazard. Keep upwind, updrift (higher than the elevation of the incident location) and maintain a safe distance from the HAZMAT incident.
 - b. Provide the fire dispatcher (FD) with a situation report describing in brief terms what they see, what information has been given, and what action they are taking. This situation report should be updated every 10 minutes, or if the situation changes dramatically, immediately.
 - c. In any incident in which hazardous materials are involved, a hazardous materials incident exists. The amount of the product involved, or the fire department's ability to handle the situation, do not alter the fact that a HAZMAT incident exists. When there is any doubt about the identity of a product it shall be considered hazardous until it has been identified and proven to be otherwise.
 - d. Take appropriate action to mitigate the hazards, stabilize the situation, rescue any injured or trapped persons, or evacuate the area.
 - e. Provide an IC to coordinate the initial response and take action to stabilize the situation. Establish a unified command with the local police/BSO, EPC (CEC), EMS and the DEP. At a fixed site, incident command will coordinate the emergency services' efforts and work jointly with the Facility Emergency Response Coordinator (FERC).

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- f. Provide a Public Information Officer (PIO) or appoint a person to coordinate the press and electronic media at the scene.
 - g. Establish a command post, staging area, agency response area, security perimeter, restricted area, access control coordination point, hot zone, and a decontamination area, as needed. This information shall be relayed to other responding agencies.
 - h. Provide a Staging Officer (SO) to establish the ARA and the SA. The SO should be able to monitor and transmit on the Fire *Mutual Aid channel.
 - i. Stand by the scene as long as the IC Commander determines necessary.
 - j. Conduct decontamination and/or containment operation, as required.
 - k. When the situation is stabilized, transfer command over to the lead environmental agency for clean-up, if required. Fire service personnel will stand by and assist, as requested.
 - l. Provide a Safety Officer who will be responsible for implementing a safety program.
 - m. The Fire Service is responsible for the training of the Hazardous Materials Response Teams.
 - n. Fire Services will exercise with selected facilities.
 - o. Maintain and operate a computerized HAZMAT Emergency Management Program. In addition, hazards, vulnerability, and risk analyses data to be provided by Division of Emergency Management (DEM).
- County and Municipal Law Enforcement
 - a. The highest-ranking officer who responds to the incident will report to the CP. In coordination with IC, establish a perimeter around the incident, allowing no unauthorized persons into the area.
 - b. In coordination with IC, establish an access coordination point for all to enter and exit; maintain a record of those who enter and exit.
 - c. As necessary, or as directed by the IC, conduct evacuations of the area at risk. Law enforcement officers will not be used in areas where the atmosphere is contaminated. They do not have the protective clothing and equipment to operate safely in these areas.
 - d. Provide a superior officer to the agency response area who can commit personnel; make decisions toward mitigation of the incident. This person should be able to monitor the Fire Mutual Aid channel.
 - e. Maintain the security of any areas which have been evacuated.
 - f. Develop traffic patterns for the area. Provide this information to the Staging Officer and the PIO until the incident is mitigated.
 - g. Rendezvous with responding Mass Transit buses and escort them to evacuee's mustering areas.
 - h. Maintain security at the shelters where evacuees are housed.
 - i. Monitor personnel on post around the security perimeter of the scene with regard to their exposure to any product which was released as result of the incident.
 - j. When first on the scene, determine the type of material involved, if possible, and nature of the problem. Remain upwind and upgradient of the incident.
 - k. Notify the FD through your dispatcher and provide the FD as much information as possible.
 - l. Isolate the hazard area and keep non-essential personnel away from the scene.
 - m. When necessary, or so instructed, initiate and conduct evacuation of surrounding areas, particularly downwind or downstream.

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- n. Attempt to detain persons believed to be contaminated. If this is not possible, obtain their names and addresses.
 - o. If necessary, notify the owner, shipper, or other appropriate custodian of the material involved in the incident.
 - p. Establish an access control coordination point to the incident area. Maintain control of personnel entering the area.
 - q. If possible, prevent unnecessary handling of incident debris.
- HazMat Teams within Broward County
Assist the Incident Commander (IC) in the mitigation of the incident. In conjunction with Emergency Management, HazMat Teams will exercise with selected facilities on an annual basis.
 - Local or County Utility Departments
 - a. Provide a staff member to the ARA to act as a link to the IC during the incident.
 - b. Determine and evaluate the effect the incident will have on sewer and drainage systems; best methods to prevent contamination or damage to the sewer systems.
 - c. Take necessary steps to ensure that sewer and drainage systems are not contaminated and, if contamination occurs, to oversee decontamination and clean up.
 - d. Assist in an evaluation of the potential impact on public health and safety if a sewer or storm system is contaminated or damaged.
 - e. All decontamination and cleanup procedures, implemented by a local or county utility department, will be performed in compliance with existing environmental regulations.
 - Radio Amateur Support
Upon determination that a major HAZMAT incident requires communications support, the local official making such a determination shall contact the CEC. The CEC shall then notify the ARES/RACES Coordinator and request said communications support.

The CEC shall provide the ARES/RACES Coordinator with the following information:
 - a. Nature of the incident; and
 - b. Number of operators required; and
 - c. Location of incident
 - Plant or Facility Covered Under Sara Title III
 - a. Designate a Facility Emergency Response Coordinator (FERC) to work jointly with the Incident Commander. There must be one FERC for every shift, plus a backup.
 - b. Organize and train personnel.
 - c. Develop internal plans and procedures to deal with on-site emergency releases.
 - d. These plans should be forwarded to the LEPC, EPGMD and the local fire department.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- e. Make these plans and procedures available to the local emergency services. Confirm the plans at least annually or when significant changes are made.
- f. Train with Broward County's various emergency services' personnel relative to said plans and procedures.
- Broward County Public Schools
The Broward County Public Schools will provide the following assistance:
 - a. In a declared emergency, provide temporary evacuation center operations, which utilize school facilities, and provide equipment for the preparation of food for evacuees in cooperation with the American Red Cross.
 - b. Provide buses for evacuees needing transportation, if required.
 - c. Enact a reunification system for evacuated children and their parents or guardian.
 - d. Initiate measures to assure the safety and security of children and staff under the charge of the school board superintendent.
 - e. Follow their individual Hazardous Materials Contingency and Sheltering Plans.
- Broward County Transit (BCT)
Broward County Transit will provide the following assistance:
 - a. Provide emergency bus transportation to assist in the evacuation of the general population as well as hospitals, nursing homes, and schools, to the extent that the evacuees are fully ambulatory and strong enough to sit in a moving bus unaided and unrestrained, without falling.
 - b. Personnel will not respond into a contaminated area without previous training and issuance of Personal Protective Equipment (PPE).
 - c. Vehicles and personnel will be decontaminated prior to being returned to normal service.
 - d. Provide buses for rehabilitation services for Hazardous Materials Teams.
- Broward Environmental Protection and Growth Management Department
 - a. Provide hazards, vulnerability, and risk analyses on at least an annual basis to Fire Services, Emergency Preparedness, and the SoFlaLEPC.
 - b. In conjunction with the SoFlaLEPC and facilities, develop and conduct annual community briefings to update community of emergency procedures and provide information to the community concerning facilities, types of chemicals used, toxicity and danger, and what the public should do in the event of a release at the site.

D. Monroe County

- Monroe County Board of County Commissioners
 - a. The Monroe County Board of County Commissioners is responsible for the health, safety and welfare of the public in Monroe County. This ultimately includes responsibility for overall hazardous materials emergency response and planning for Monroe County.
 - b. In fulfillment of this responsibility, Monroe County Ordinance 028-1987 awards the Mayor (Chair) or the Mayor Pro Tem, or (in the absence of the

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

preceding) the designee of the Mayor the authority to declare a local state of emergency whenever the life or property of the public is, or may be, threatened. Such a declaration shall waive certain county and state procedures, and shall grant the Mayor, Mayor Pro Tem, County Administrator or the Emergency Management Director power to issue mandatory orders in support of the declaration. Such orders have the full force of law.

- County Administrator
The County Administrator is responsible for and shall supervise all emergency hazardous materials planning and emergency response activities for Monroe County. In this capacity, the County Administrator shall, as necessary, consult with the Mayor and other members of the County Commission, in formal or informal session, and the MCEM Director, and may authorize expenditure of emergency funds if the situation so dictates.
- Monroe County Emergency Services Division Director
The Director is responsible for the overall conduct of the EMS, Fire Marshal, Emergency Management and Fire Rescue activities including the coordination, development and maintenance of procedures to implement the Hazardous Materials Emergency Plan for Monroe County consistent with existing conditions and procedures. The Director is responsible for the annual review, update and re-certification of this plan.
- Monroe County Emergency Management (MCEM) Director
 - a. The MCEM Director or designee will be responsible for providing logistical support to the public safety agencies involved in emergency operations in response to a hazardous materials release.
 - b. The MCEM Director is responsible for early warning and notification of the population within the area affected by the release of hazardous materials. The Director is also responsible for the notification of the County EOC staff, activating the EOC, and notifying all local governmental and non-governmental agencies supporting emergency operations as appropriate to the severity of the incident.
 - c. The MCEM Director is responsible for developing and implementing a public education program designed to advise the public of the risks associated with hazardous materials and appropriate actions to take in the event of an emergency involving the release of hazardous materials.
 - d. The MCEM Director is authorized to issue any public information statements during a disaster period necessary to implement any contingency plan previously approved by the Monroe County Board of County Commissioners.
 - e. The MCEM Director will coordinate overall emergency operations and support needs with the State Division of Emergency Management, state and federal support agencies, and the appropriate facility owner/operator.
- Sheriff's Office and Municipal Law Enforcement Agencies
Responsibilities shared by the Sheriff's Office and municipal law enforcement agencies include:
 - a. If unknown prior to being dispatched, determine an incident includes the occurrence of a hazardous materials release.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- b. Notify the fire department which has jurisdiction of the occurrence of a hazardous materials release and request that appropriate response be initiated.
 - c. Isolate and establish law enforcement command over the area where evacuation, public safety, traffic control and protection of property are of concern.
 - d. Provide for traffic control along evacuation routes and crowd control at reception centers and shelters.
 - e. Secure evacuation areas until residents are allowed to return to their homes.
 - f. Providing for traffic control along evacuation routes and crowd control at reception shelters.
 - g. Coordinate all activities through incident command.
- Monroe County Fire Marshal, Monroe County Fire Rescue and associated volunteer departments, Key West Fire Department, Islamorada Fire Department, City of Marathon Fire Department, Key Largo Volunteer Fire Department and Ocean Reef Fire Department
Responsibilities shared by county and municipal fire departments include:
 - a. Responding to, investigate, and assume direct control of the management of hazardous materials incident scenes occurring within its jurisdiction by initiating an incident management system and command.
 - b. Determining the type and nature of the hazardous material involved.
 - c. Determining the necessity for an evacuation, request to issue evacuation orders when appropriate, and identify the vulnerable zone to be evacuated.
 - d. Notifying the Emergency Communication Center, and (MCEM), which will make proper notification to federal and state agencies as required by federal and state laws.
 - e. Requesting assistance from appropriate federal and state agencies through the MCEM Director.
 - f. Initiating request for assistance from appropriate agencies necessary to neutralize and/or contain the hazardous materials involved.
 - g. Giving full cooperation to assisting agencies involved in determining action to be taken to contain the hazardous materials involved.
 - h. Providing vehicle wash down and monitoring, when necessary, at prescribed locations and in a manner consistent with Florida Department of Environmental Protection and/or Florida Department of Health in Monroe County direction.
 - i. Emergency Medical Services will provide emergency medical transportation to persons in need of such services, to assist in the evacuation and transfer of patients from nursing homes and hospitals in the affected areas, and to assist in the evacuation of persons with special needs who are unable to evacuate themselves.
 - Florida Department of Health in Monroe County
The Florida Department of Health in Monroe County is responsible for:
 - a. Monitoring potential public health problems.
 - b. Supervising local public health operations and coordinating all governmental and non-governmental relief agency resources involved in the prevention or control of emergency public health problems.
 - c. Coordinating all health and medical services.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- d. Informing the Monroe County Board of County Commissioners, through the MCEM Director, of degraded public health conditions.
- Public Works Department and Municipal Service District
Public Works and Municipal Service District will provide the following assistance:
 - a. Assist local fire departments in assembling and disassembling washdown stations and disposing of waste materials.
 - b. Assist American Red Cross by providing garbage pickup and disposal for reception centers and shelters.
 - c. Assist in containment and cleanup of spills by providing equipment and personnel as necessary.
 - School Board
The Monroe County School Board will supervise temporary shelter operations which utilize school facilities and provide equipment for the preparation of food for evacuees in cooperation with the American Red Cross. The School Board will also assist in providing buses for evacuees needing transportation after all responsibilities to the health and safety of all school children are met, if requested by the MCEM Director.
 - Social Services
Social Services Transportation Department will assist in the evacuation of special needs and transportation - disadvantaged persons in affected areas.
 - Hospitals within Monroe County
Hospitals within Monroe County will receive and accommodate patients transferred from affected hospitals, nursing homes evacuees requiring hospitalization and evacuation related accident victims.
 - Other Monroe County and Municipal Agencies
Other county and municipal agencies may be required to provide equipment, personnel and services to support emergency operations.

2.3 State Government Organizations and Responsibilities

The purpose of subsection 2.3 is to describe the major functions and duties to be performed by state agencies in responding to a hazardous materials incident.

State agencies will utilize the State Comprehensive Emergency Management Plan (CEMP) to determine their major functions and duties. The CEMP which replaces the Florida Hazardous Materials Emergency Plan is an all hazards plan which contains preparedness, response, recovery, and mitigation activities and procedures the state will take in the event of a natural or technological emergency including hazardous materials incidents. The responsibilities and functions of all Emergency Support Functions (ESFs) are also summarized in this document.

A. South Florida LEPC

- Governor
Under the provisions of Chapter 252, Part II, Florida Statutes, the Governor is ultimately responsible for protecting the population of the state from the

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

dangers created by emergencies which are beyond the capabilities of local governments or which are multi-jurisdictional in nature. The Governor will provide that protection through the assignment of appropriate state resources and agencies.

Any or all of the above responsibilities are implemented by:

- a. Providing direction and control should the emergency be beyond the capabilities of the local governments affected.
- b. Issuing necessary Executive Orders, proclamations, and regulations.
- c. Ensuring that timely emergency response operations can be initiated.

The Governor will also request federal assistance as necessary upon determining that the State has insufficient technical and/or logistical resources to adequately cope with the off-site consequences of an emergency, involving hazardous materials.

- Attorney General

The Attorney General will provide consultation to the Governor on legal matters pertaining to emergencies involving the release of hazardous materials.

- Florida Division of Emergency Management (FDEM)

The Division is responsible for coordinating the State's response to emergencies involving hazardous materials. The Division will also request and coordinate assistance as necessary from federal emergency response agencies. The Division will:

- a. Carry out the provision of the State Emergency Management Act, Chapter 252, Florida Statutes, as amended.
- b. Prepare the State Comprehensive Emergency Management.
- c. Provide guidance and assistance in the preparation of local hazardous materials emergency response procedures.
- d. Notify appropriate state, local and federal agencies of an emergency.
- e. Coordinate federal, state and local emergency response activities upon request.
- f. Ascertain the requirements of state and local political subdivisions for supplies and equipment and locate and provide needed supplies and equipment.
- g. Provide for activation of the State Emergency Operations Center and provide personnel and equipment to operate emergency response facilities.
- h. Assist local governments in providing public education and information regarding proper response to a hazardous materials emergency.

- Florida Department of Environmental Protection (FDEP)

- a. Act as the technical advisory agent in identifying, containing and removing hazardous materials threatening, or affecting, water, soil or air quality, as authorized by Florida Statutes.
- b. Locate sites and establish acceptable procedures for the disposal of hazardous and solid wastes.

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

- c. Act as the primary operational agency in the containment and cleanup of inland hazardous materials spills.
 - d. Act as the sole authority on the use of chemical dispersants in combating a hazardous materials incident.
 - e. Provide a coordinator, to serve as chairman of the HMTF, when an incident requires a multi-agency response, and the agency is designated as the primary operational agency.
 - f. When pollutants, as defined in Section 376.031(16), Florida Statutes, are determined to be discharged into navigable waters within the geographic responsibility of the United States Coast Guard, the state response shall be as provided in the Oil Pollution Act of 1990.
 - g. Provide traffic supervision and control for water transportation routes adversely affected by a hazardous materials incident.
 - h. Provide manpower and logistical support from any state park, or recreational area that is directly affected by a hazardous materials incident.
- Florida Department of Transportation (FDOT)
 - a. Cooperate in activities between public and private agencies on matters relating to public transit.
 - b. Support county highway/road departments in securing and installing barricades, signs, and other necessary equipment needed for traffic control.
 - c. Assist local agencies in traffic management activities in and around the affected areas.
 - d. Assist local agencies in the movement of emergency resources to and from the designated area.
 - e. Assist in the containment and cleanup of hazardous materials spills that occur on a state-maintained street or highway as feasible.
- Florida Department of Law Enforcement (FDLE)
 - a. Coordinate, integrate, and implement law enforcement planning and activities for the use of mutual aid and state resources.
 - b. Maintain lists of special law enforcement equipment, specially trained personnel, and all regular, auxiliary, and reserve law enforcement personnel and equipment within the state.
 - c. Coordinate the organization and direction of the law enforcement services of the Florida Mutual Aid Plan.
 - d. Maintain liaison with State law enforcement agencies in order to coordinate and integrate plans for traffic control and the participation of the agencies in law enforcement emergency operations.
 - e. Maintain liaison with the Governor, state departments and agencies, and local law enforcement officials in order to achieve close coordination and cooperation in planning and operations in trouble areas.
 - f. Facilitate the flow of law enforcement information from state organizations to local law enforcement officials.
 - g. Maintain liaison with the Fire Department Incident Commander.
- Florida Department of Highway Safety and Motor Vehicles
 - a. Assist other law enforcement agencies in the movement of traffic during an emergency involving hazardous materials.

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- b. Assist other law enforcement agencies in the state to police the affected area.
 - c. Provide security and assist in staffing roadblocks to support county personnel who are involved in emergency response operations.
 - d. Provide communications assistance as required.
 - e. Upon request, Florida Highway Patrol will assist in the transportation of samples for analysis when immediate analysis is necessary.
- Florida Wildlife Commission (FWC)
 - a. Assess damage to wildlife populations and habitat resulting from a hazardous materials incident.
 - b. Coordinate with other appropriate federal and state authorities any action deemed necessary, or required, for the protection of endangered or threatened species.
 - c. Provide support for law enforcement and search and rescue operations.
 - Florida Department of Health (FDOH)
 - a. Assist in the identification of possible health hazards related to hazardous materials incidents and take corrective action as needed.
 - b. Assist in solving problems affecting drinking water or food supplies contaminated by hazardous materials.
 - c. Provide coordination to all emergencies associated with radioactive materials or ionizing radiation.
 - Florida Department of Agriculture and Consumer Services (FDoACS)
 - a. Assist in identification, containment and disposal of pesticides and insecticides.
 - b. Assist in the identification of possible health hazards, related to a hazardous materials incident, which may affect a food commodity, or the production of that food commodity.
 - c. Provide support for law enforcement activities.
 - Department of Agriculture and Consumer Services, Department of Transportation and Florida Department of Financial Services/Fire Marshal's Office
 - a. Enforce rules and regulations covering the design, construction, location and operation of equipment for liquefied petroleum gas storage, handling, and intrastate transporting by tank truck, tank trailer or pipeline.
 - b. Enforce rules and regulations covering the manufacture and intrastate transportation of hazardous materials including those which are combustible, flammable, explosive, gun powder, carbide, crude petroleum, or any of the crude-by-products excluding explosives.
 - c. Provide personnel to determine the cause of an LP gas incident if requested in conformance with Department of Insurance Regulations.
 - Hazardous Materials Task Force

Florida's Hazardous Materials Task Force (HMTF) has been formed to provide a mechanism for the coordinated response by state agencies to hazardous materials emergencies that are beyond the capability of local governments. The State CEMP designates ESF 10 as the primary mechanism to coordinate

Section 2.0: Emergency Response Organizations and Responsibilities (Cont.)

response and support by state agencies to hazardous materials emergencies that are beyond the capability of local government. The Florida Department of Environmental Protection and BER are the lead agencies for ESF 10 and will provide representatives on a 24-hour basis to the State Emergency Operation Center (SEOC) to ensure the full deployment and utilization of Department resources. In addition, ESF 10 is comprised of representatives from the following state agencies:

Lead Agency: Florida Department of Environmental Protection
Florida Division of Emergency Management
Florida Department of Transportation
Florida Department of Highway Safety and Motor Vehicles
Florida Department of Health
Florida Department of Agriculture and Consumer Services
Florida Department of Financial Services
Florida Wildlife Commission

- B. Miami-Dade County - See SoFlaLEPC above.
- C. Broward County - See SoFlaLEPC above.
- D. Monroe County - See SoFlaLEPC above.

2.4 Federal Government Organizations and Responsibilities

The purpose of subsection 2.4 is to describe the major functions and duties to be performed by federal agencies in responding to a hazardous materials incident.

- A. South Florida LEPC
 - U. S. Coast Guard
 - a. Provide for the cleanup and decontamination of any hazardous substance on the state's coastline and on navigable waterways within the state.
 - b. Operates the National Response Center (NRC) on a 24-hour per day basis.
 - U. S. Environmental Protection Agency
Provide for the cleanup and decontamination of any inland hazardous substance incident that has the potential to affect public health and safety and the environment.
 - U. S. Department of Transportation
Regulates the transportation of hazardous materials.
 - Regional Response Team (RRT)
The RRT provides a coordinated federal response capability at the scene of a hazardous materials incident that poses a threat to the public health and welfare, the navigable waters of the United States, adjoining shorelines, or into or upon waters of the contiguous zones, and all inland waters.
- B. Miami-Dade County - See SoFlaLEPC, above.
- C. Broward County - See SoFlaLEPC, above.
- D. Monroe County - See SoFlaLEPC, above.

2.5 Facility Owners/Operators

The purpose of subsection 2.5 is to describe the major tasks to be performed by facility owners/operators in responding to a hazardous materials incident.

A. South Florida LEPC

- a. Designate a representative/coordinator to participate in the emergency planning process as a facility emergency coordinator and assist local emergency management directors and the LEPCs in the preparation and maintenance of emergency response plans for hazardous materials present at their facility(ies).
- b. Notify the SERC if subject to the requirements of EPCRA.
- c. Submit Safety Data Sheets and Emergency Inventory Forms to the SERC, LEPCs and local fire departments.
- d. Submit Toxic Chemical Release Forms to the SERC and the Environmental Protection Agency for each toxic chemical defined in Section 313 of EPCRA that was manufactured, processed or otherwise used in quantities exceeding the established Threshold Planning Quantity during the preceding calendar year.
- e. Provide immediate notification to the local fire departments, SERC and LEPC in the event of a release or spill of a listed extremely hazardous substance in excess of the reportable quantity for that substance. Notify the LEPC through notification to the applicable County Warning Point as described in Section 4.3.
- f. Provide written follow-up emergency notice to the SERC and LEPCs after the release or spill.
- g. Each facility should hold at least one exercise per year to test its plan via a realistic scenario. The facility should notify the County Emergency Management Agency at least one month in advance of the exercise. The Agency shall, if notified, publish a monthly exercise schedule to all agencies and response agencies may observe any facility exercise which they so choose. In addition, each Facility Emergency Coordinator from a high or moderate risk category facility should observe one full scale exercise within 18 months of obtaining the Facility Emergency Coordinator position and one every 4 years thereafter. (This requirement may be met by joint exercises among facilities.)

On-Site Facility Emergency Release Plan

1. Each facility plan should have internal response procedures and plans to deal with releases as required by the following sections of Title III, Superfund Amendments and Reauthorization Act of 1986: 303(c) (1-7); 303 (d) (1-3); 311, 312; and 29 CFR 1910.120.
2. Each facility should develop a Plot Plan Book. This book will have in it maps, lists, diagrams, and plans and procedures to operate or use the items in an emergency situation (not limited to, but as a minimum) as listed below:
 - (a) Develop map of plant divided into sectors or zones, if applicable.
 - (b) Have a page of each zone or sectors showing chemical storage and chemical processes and quantities.
 - (c) Have indicated emergency shutdown procedures for each zone or sector. This should include utilities and processes.
 - (d) Show location of fire monitors and firefighting equipment.

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- (e) Show drains and sewer accesses. Determine, in case of a release, where the flow will go. This should be done for each zone or sector.
 - (f) Develop a list of chemicals by zone and cross-reference list of chemicals in surrounding zones. SDS must be available to the Facility Emergency Coordinator and responding agencies.
 - (g) Indicate spill or release mitigation equipment.
 - (h) Indicate property access gates.
 - (i) Develop and include emergency group plans and SOP's for dealing with emergency situations, including personnel protection equipment for routine operations as well as for releases. Included will be notification procedures in place to notify appropriate local, state and federal agencies of releases.
 - (j) Develop and include plant evacuation by area, zone and plant.
 - (k) Develop and include staging points for evacuees.
 - (l) Develop alerts used for various intra-facility emergencies.
 - (m) Facility Emergency Coordinator(s) and alternate(s) (24 hours/day) must be noted in the plan.
3. Each facility should have an internal group trained to respond to emergency situations or releases unless plan calls for total evacuation. 303(c) (2).
 4. Each facility should determine, and augment means to, determine release (for example, use of visual patrols, detectors, temperature sensors, air sampling, level alarms, etc.).
 5. Each facility should coordinate with the local fire department a location or locations within the facility for the Plot Plan Book.
 6. Each facility should explain the type of audible alert system internal and off-site external alerting of a release (303 (c) (4)).
 7. For warehousing or storage facilities and other facilities where a constant change of extremely hazardous materials takes place, an area within the facility should be designated to store these materials. Any exception or change of placement of extremely hazardous materials should be identified daily and this information with location provided to the Facility Emergency Coordinator. It should be in such a form that it can be provided to responding emergency agencies if needed.
 8. Facilities which do not have personnel on site 24 hours a day should have a sign posted on the perimeter fence or access gate. The sign should have emergency instructions and telephone numbers posted for use when their alarms sound.
 9. Emergency response symbols indicating the location of hazardous materials, spill control equipment, sprinkled area, non-sprinkled area, partially sprinkled area, fire hydrants, standpipes, etc. should be noted on the floor plan of the Title III 302 facility.
- **Off-site facility emergency release plans**
Each Off-site facility emergency release plan should contain the following:
 1. A map and word description of area surrounding facility.
 2. Each county should designate an agency to work with a Facility Emergency Coordinator to develop the following for inclusion in the plan as required by the indicated section of SARA Title III.
 - (a) Evacuation routes from the area.
(303 (c) (7)) - Provided as part of the Hazards Analyses.)
 - (b) Shelters for the population.
(303 (c) (7)) - This information will be provided by the EPGMD.)

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- (c) Evacuation procedures and the means by which the off-site community will be warned.
303 (c) (4), 303 (c) (7), 304 (b) (1).
 - (d) A listing, including locations, of any schools, nursing homes, day-care centers, etc., in the area which would be at additional risk due to a release. (Provided as part of the Hazards Analyses.) 303 (c) (1), 302 (b) (2).
 - (e) The General Information for First Responders worksheet.
3. Routes used by carriers to deliver hazardous materials to facilities and ship hazardous products from the facilities to the nearest major highway or interstate.
(Provided as part of the Hazards Analyses.) 303 (c) (1).
- B. Miami-Dade County - See SoFlaLEPC, above.
 - C. Broward County - See SoFlaLEPC, above.
 - D. Monroe County - See SoFlaLEPC, above.

2.6 Volunteer Organizations

The purpose of subsection 2.6 is to describe the response functions and responsibilities of all volunteer and charitable organizations within the District in the event of a hazardous materials incident.

- A. South Florida LEPC
 - American Red Cross
Provide reception and care for evacuees and Limited Emergency Services Feeding. Additional shelter space may have to be established by the American Red Cross should the relocation period last longer than anticipated. In this event, mobilization and relocation of evacuees will be coordinated by the American Red Cross through the County Emergency Operations Center.
 - Amateur Radio Communications
 - Emergency Alerting System (EAS) Stations
Provide early warning to the public and area broadcasting stations via EAS tone alert systems.
 - Florida Wing, Civil Air Patrol (CAP)
The CAP provides assistance to the state and its political subdivisions in responding to emergencies. The CAP has the capability to provide the following assistance:
 - a. Aerial control, direction and surveillance of surface traffic.
 - b. Light transport flights for emergency movement of personnel and supplies.
 - c. Aerial photographic and reconnaissance flights.
 - d. Search and rescue (including aircraft ramp checks for missing craft and aerial and ground search activities);
 - e. Radio communications.
 - f. Other activities as approved by the Wing Commander, CAP, and Director, Florida Division of Emergency Management.

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- B. Miami-Dade County - See SoFlaLEPC above.
- C. Broward County - See SoFlaLEPC above.
- D. Monroe County - See SoFlaLEPC above.

3. **DIRECTION AND CONTROL**

3.1 **General**

Section 3 describes the coordination and management of emergency response operations between local, state and federal agencies.

3.2 **Local Government Role**

The purpose of subsection 3.2 is to describe the role of local government in providing direction and control in the event of a hazardous materials incident.

A. South Florida LEPC

- Local Government Role

Local governments have the primary role in preventing unnecessary hazards to the general public from an emergency involving the release of hazardous materials. When the accidental release of hazardous materials occurs, the effects of which are strictly confined to the premises of a private industry in the South Florida LEPC, governmental response agency assistance should be on a cooperative basis, although it may also require enforcement. When there is any possible off-site threat to the general public or the environment, the local government, through its emergency response organizations must assert its authority and take decisive charge of the scene. Figure 3.2 is an example of an Executive Order that may be used by any county in SoFlaLEPC.

Incident Classification Levels

There are four hazardous material incident levels that have been established by the State of Florida to provide uniformity between all response agencies. In this system, hazardous material incidents classified as “Moderate” (as described in detail, in the table below), agencies may either be activated to report to the EOC or assign specialized EOC personnel to liaise on scene.

The following table describes the uniform hazardous materials incident levels that have been established by the State of Florida:

Hazardous Material Incident Classifications	
INCIDENT LEVEL	<i>DESCRIPTION</i>
Category I	A spill, release or potential release. No deaths, minor injuries possible. Incident limited to a single structure, or 300-foot radius. Known material, which is not radioactive, or water reactive. Less than 55 gallons involved. Evacuation of a limited size population that can be evacuated in a short period of time for a short duration (0-4 hours).
Category II	A spill, release or potential release of a known / unknown substance. No deaths but injuries may range from minor to severe. Release may not be controllable without special resources. Incident limited to several blocks or buildings.

Section 3.0: Direction and Control (Cont.)

	Material may be toxic, reactive, flammable, radioactive, corrosive or biological. Quantity limited to size of its container. Evacuation will be confined to a designated area that local resources can handle; extended sheltering not needed.
Category III	A spill, release or potential release of a substance with an associated fire, explosion or toxic/corrosive cloud. Injuries or deaths possible. Large area impacted, possibly disrupting essential community services. Extensive environmental contamination possible. Involves hazardous substance capable of producing toxic / corrosive cloud; highly unstable or reactive; is a flammable gas or produces significant flammable vapors; is radioactive or biological pathogen. Presents an immediate danger to the public and responders. Evacuation will require the movement of large population. Requires activation of evacuation centers.
Category IV	A spill or release of a substance resulting in a serious fire, explosion, or environmental contamination over an extended area. Involves a known or unknown substance that can be highly toxic, very reactive, unstable, flammable or explosive, radioactive or extremely pathogenic. Evacuation of large area, taking places in stages over several hours, affecting large population. Duration could exceed several days.

The EOC will monitor all hazardous material incidents classified as “Moderate” or greater or where an area in excess of 1 mile is being placed under a protective measure. In hazardous material incidents classified “Severe” or “Major,” under the State Classification System, the EOC will notify and/or activate all the appropriate agencies.

The role of the EOC will be to coordinate the strategic response and recovery operations, as well as to support the operation by providing personnel, resource and technical assistance to the Incident Scene Management team.

B. Miami-Dade County

The purpose of this section is to describe the dual levels of incident command, both on scene and at the EOC.

Assignment of Responsibilities

Responsibilities during hazardous material emergencies consist of Incident Scene Management and EOC Incident Management.

Incident Scene Management

At hazardous material incidents, response agencies will handle the situation to conclusion on a routine basis. Responding fire departments will establish the Incident Command System (ICS) and integrate fire, law enforcement, environmental and health functions on site to resolve the incident. Technical experts and facility owners are to be incorporated into the on-scene command structure. Responding agencies will follow the lead of the Incident Commander, typically the fire department. However, the command authority may be transferred to other agencies at different times (e.g., environmental agencies during clean-up operations). Decisions made on scene are tactical in nature and focus on solving the smaller scale problems to contain the incident.

EOC Incident Management

In situations where additional coordination is required between multiple agencies, or when the size and scope of an incident requires multiple response actions, the Emergency Operations Center (EOC) may be activated. The decision to activate the EOC may be requested by the On-Scene Commander or at the discretion of the Emergency Management Director. The decisions and actions directed by the EOC focus on larger scale, strategic issues that assist the response and recovery from the incident.

EOC Functional Position and Responsibilities

The Miami-Dade CEMP (Volume I) describes the roles and responsibilities of EOC sections and functional groups. Below is a hazardous material specific outline of the roles and responsibilities of functional groups and their agencies.

- **ESF 4 Firefighting**
The firefighting ESF is led by a representative of MDR who is responsible for coordinating with the On-Scene Commander and will communicate information between the EOC and the scene; and, coordinate within ESF 10 (Hazardous Materials).
- **ESF 9 USAR**
The Urban Search and Rescue ESF is led by a representative from Miami-Dade Fire Rescue. The representative is responsible for coordinating searches for victims that may have remained in the hot zone and are now injured or have become fatalities. In addition, ESF 9 will coordinate with Miami-Dade Police Homicide and the Office of the Medical Examiner, as needed.
- **ESF 10 Hazardous Materials**
The Hazardous Materials ESF is led by a representative from Miami-Dade Fire Rescue. The representative is responsible for coordinating the response to the incident by mutual aid units, assigning response priority to other incidents and product identification, as well as coordinating environmental (with support from RER) testing and development of chemical information packages.
- **ESF 16 Law Enforcement**
The Law Enforcement ESF Representative is responsible for communicating information between the EOC and the scene. In addition, the representative will coordinate the evacuation and re-entry function.
- **All Hazards Protective Measures Plan**
The Public Safety Functional Group coordinator and the ESF 16 representative are responsible for coordinating public protective measures (see Public Protective Measures section).
- **ESF 6 Mass Care**
The Mass Care ESF is led by a representative from the American Red Cross. ESF 6 is responsible for operating evacuation centers; providing temporary

Section 3.0: Direction and Control (Cont.)

housing; providing water and food to impacted persons and providing social and mental health services.

- **ESF 8 Health and Medical**
The Health and Medical ESF is led by a representative from the DOH-Miami-Dade /MDFR Emergency Medical Services. ESF 8 is responsible for coordinating health and medical services; treatment, transport of the injured and dead; supporting crisis counseling; medical and special needs evacuation and basic health needs.

The Emergency & Evacuation Assistance Program Subsection provides specialized services for persons with special needs to include shelter, feeding and maintenance of pre-event health status.

- **ESF 1 Transportation**
The Transportation ESF is led by a representative from Miami-Dade Department of Transit and Public Works. ESF 1 is responsible for assisting in evacuation; traffic control; infrastructure clearance; logistical transportation and repair of infrastructure that is associated with hazardous material incidents.
- **ESF 2 Communications**
The Communications ESF is led by a representative from the Miami-Dade Department of Information Technology. ESF 2 is responsible for assessing the communications systems for problems; and implementing solutions that include rapid repairs based on priorities; establish alternate and supplemental communications capabilities.
- **ESF 3 Engineering and Infrastructure**
The Engineering ESF is led by Miami-Dade Department of Transportation and Public Works. ESF 3's member agencies are responsible for debris clearance; emergency repair of damaged infrastructure including potable water; sanitary sewer; transportation assets and electrical distribution.
- **ESF 12 Energy**
The Energy ESF is led by a representative from Florida Power and Light. It is responsible for electrical distribution repair and service, should it be impacted by hazardous material incidents. In addition, to assist in supporting generator services.
- **ESF 17 Veterinary**
The Veterinary ESF is led by Miami-Dade Animal Services Department. ESF 17 is vital in hazardous material incidents that occur in agricultural areas, finding safe shelter for animals and providing medical care for animals exposed to the released chemical.

Agency Notification

Emergency personnel are notified of hazardous material incidents via the 911-system. Response agencies are expected to notify the Miami-Dade EOC via its duty officer at 305-468-5800. See the Initial Notification of Responders section for details.

On-Scene Incident Command

The Incident Scene Management consists of a unified command with representatives of each agency (public and private sector), led by an on-scene commander. The other agencies assume a support role and take their assignment from the on-scene commander. In later stages of the operation, one of the support agencies may assume the scene command, as the focus of the operation shifts.

Activating the Emergency Operations Center

1. Miami-Dade County EOC

When the on-scene command post requests EOC activation for coordination of large incidents, they contact the EOC Duty Officer and provide initial details:

- Location
- Chemical
- Quantity released
- Type of incident
- Casualties
- Public protective measures

The EOC Duty Officer immediately notifies the Director. The Director will determine the appropriate level of activation. The EOC may also activate at the discretion of the Director whether a scene request is made or not. Agencies are then notified or requested to report to the EOC depending upon the incident level.

2. Divisional EOC

When the Miami-Dade EOC is activated, the appropriate Divisional EOCs are notified that there is an incident, which may impact their municipalities. Divisional EOCs may decide to activate. In that case, they assign a representative to the County EOC.

C. Broward County

• Local Government Role

When a hazardous materials incident occurs, notification of the incident can be received in several ways. Most incidents will be reported through the 9-1-1 Public Service Answering Point (PSAP) as required by Public Law 99-499, October 17, 1986, Title III, Emergency Planning and The Community Right-To-Know Act, Section 304. The report may involve a fixed site or a transportation incident. If the report comes as a normal vehicle accident report and the responding Emergency Medical Service (EMS) and/or law enforcement agency is first on the scene, they must recognize the potential hazard and notify the fire dispatchers (FD) of their jurisdiction, and County Warning Point of the hazardous materials incident.

The first arriving units must assess the situation for its potential danger to the safety and health of the population in the immediate incident area. The area will be restricted immediately by law enforcement agencies until the danger, or potential danger can be assessed. If evacuation of surrounding areas is

Section 3.0: Direction and Control (Cont.)

warranted, the evacuation procedure should be initiated. A security perimeter will be established around the area with an access control coordination point designated. All agency representatives called to the scene, except fire apparatus, should be directed to this control point.

The ranking fire officer on scene will act as the Incident Commander (IC), direct the on-scene operations and coordinate the efforts of all agencies involved in on-site emergency operations related to the incident. He will act through respective agency representatives who will maintain control over their respective forces.

Because of the nature of most hazardous materials incidents, a unified command structure will be used. Under a unified command structure in the command post, the implementation of the action plan will be done under the direction of a single individual, the Incident Commander (IC). The IC will normally be from the agency that has the greatest jurisdictional involvement.

1. In Broward County, the IC will normally be a ranking fire department officer.
2. The need for a unified command is brought about because:
 - a. Incidents have no regard for jurisdictional boundaries, and hazardous material spills usually cause multi-jurisdictional, major incident situations.
 - b. Individual agency responsibility and authority is normally legally confined to a single jurisdiction. An exception to this is when mutual aid is invoked.
3. The concept of unified command simply means that all agencies who have jurisdictional responsibility at a multi-jurisdictional incident contribute to the process of:
 - a. Determining overall incident objectives.
 - b. Selection of strategies.
 - c. Ensuring that joint planning for tactical activities will be accomplished.
 - d. Ensuring that integrated tactical operations are conducted.
4. The proper selection of participants to work within a unified command structure will depend upon:
 - a. The location of the incident and which political jurisdictions are involved.
 - b. Which functional agencies of the involved jurisdiction(s) are required.
5. In Broward County, the unified command structure table of organization will consist of:
 - a. The fire department.
 - b. The Community Emergency Coordinator (CEC) or his representative Emergency Management Division (EMD).
 - c. Law enforcement.
 - d. City and/or county Emergency Medical Services.

Section 3.0: Direction and Control (Cont.)

- e. The designated Facility Emergency Response Coordinator at the facility having the HAZMAT incident (SARA Title III), 302 facilities.
- f. A lead environmental agency (possibly the Department of Environmental Protection (DEP)).
- g. Additional agencies may be included in the decision-making process as their involvement in the mitigation effort increases. At that time, they will become part of the unified command staff and be collocated at the Command Post (CP).

The IC will coordinate the mitigation of the hazardous materials incident until the situation is stabilized, at which time command is passed to the agency designated to oversee the completion of the clean-up process. Fire service and other emergency personnel will standby and assist, as requested. The IC will cause to be notified those agencies prescribed by law and those necessary to control and mitigate the incident.

When activities are judged by the IC to be unsafe and/or to involve imminent danger conditions, the IC shall have the authority to alter, suspend, or terminate those activities. All agencies involved in the hazardous materials incident will keep sufficient records to submit an after-action report for study and critique.

Fire departments operating during an incident should utilize the Fire Mutual Aid radio frequencies, 470.6625(R) and 473.6625(T) MHz for multi-jurisdictional operations. This channel can be used as a coordination channel and will allow fire departments that normally are on different frequencies to communicate directly with each other.

Activation of the EOC

While many county emergency response activities may be conducted and coordinated without the activation of the Broward County EOC, there will be disaster situations in which a more effective coordination and direction of emergency operations can be accomplished by either partial or total mobilization of the EOC staff.

Depending upon the magnitude of the HAZMAT incident threatening Broward County, the Director of Emergency Operations (the County Administrator) may activate the EOC; determine which staff members are required to staff it. This staff will be notified via cellular or voice telephone or email. Municipalities and other agencies are notified by appropriate various methods.

It is anticipated that the EOC will be activated in all instances, when a countywide major disaster is imminent, or has occurred.

The EOC is located at 201 NW 84th Avenue, Plantation, FL 33324.

In the event that the EOC is activated due to a major HAZMAT incident, a "press room" will be established at the EOC to accommodate representatives of the news media who will inevitably cover the County EOC in time of disaster. Copies of county emergency releases, transmitted over the electronic warning and information system, will also be distributed in the "press room". The Emergency Public Information Officer (PIO) will arrange for periodic situation briefings in the "press room". Either the County Administrator or

Section 3.0: Direction and Control (Cont.)

the PIO will participate in these briefings. All other EOC staff shall not, unless authorized by the County Administrator, respond directly to inquiries from the broadcast media/press; should refer all inquiries to the Public Information Officer.

D. Monroe County

- Local Government Role

Local governments have the primary role in preventing unnecessary hazards to the general public from an emergency involving the release of hazardous materials. When the accidental release of hazardous materials occurs, the effects of which are strictly confined to the premises of a private industry in Monroe County, governmental response agency assistance should be on a cooperative basis only. Where there is any possible off-site threat to the general public or the environment, a public safety agency must assert its authority and take decisive charge of the scene (Florida Demonstration Plan). The MCEM will coordinate overall emergency response activities and operations until such time as increased state assistance is deemed necessary. Direction and control will be exercised through the Monroe County EOC.

Initial response to hazardous materials accidents will be the responsibility of the law enforcement, and fire/rescue services agencies within the jurisdiction in which the accident occurred. In the unincorporated areas of the county, initial response will be the responsibility of the Monroe County Sheriff's Office (MCSO) and Monroe County Fire Rescue.

- Notification of Incident

When a hazardous materials incident occurs, notification of the incident can be received in several ways. Most incidents will be reported through the 9-1-1 Public Service Answering Point (PSAP) as required by Public Law 99-499, October 17, 1986, Title III, Emergency Planning and the Community Right-To-Know Act, Section 304. The report may involve a fixed site or a transportation incident. If the report comes as a normal vehicle accident report and the responding Fire Rescue or EMS and/or law enforcement agency is first on the scene, they must recognize the potential hazard and notify the MCSO or Key West Police Department dispatchers of their jurisdiction of the hazardous materials incident.

The first arriving units must assess the situation for its potential danger to the safety and health of the population in the immediate incident area. The area will be restricted immediately by law enforcement agencies until the danger, or potential danger can be assessed. If evacuation of surrounding areas is warranted, the evacuation procedure should be initiated. A security perimeter will be established around the Agency Response Area (ARA) with an access control coordination point designated. All agency representatives called to the scene, except fire apparatus, should be directed to this control point.

- On Scene Command

The ranking fire officer on scene will act as the Incident Commander (IC) and direct the on-scene operations and coordinate the efforts of all agencies involved in on-site emergency operations related to the incident. He will act

Section 3.0: Direction and Control (Cont.)

through respective agency representatives who will maintain control over their respective forces.

Because of the nature of most hazardous materials incidents, a unified incident management system and command structure will be used. Under a unified command structure in the command post, the implementation of the action plan will be done under the direction of a single individual, the Incident Commander (IC).

- a. In Monroe County, the IC will normally be a ranking fire department officer and shall be responsible for:
 1. Coordinating all emergency response activities with the MCEM Director and conduct any necessary emergency actions.
 2. Keeping EOC apprised of all on-scene activities.
 3. Implementing actions necessary to protect public health and safety.
 4. Coordination of clean-up and recovery operations.
- b. The need for a unified incident command is brought about because:
 1. Incidents have no regard for jurisdictional boundaries, and hazardous material spills usually cause multi-jurisdictional, major incident situations.
 2. Individual agency responsibility and authority is normally legally confined to a single jurisdiction. An exception to this is when mutual aid is invoked.
- c. The concept of ICS as command simply means that all agencies who have jurisdictional responsibility at a multi-jurisdictional incident contribute to the process of:
 1. Determining overall incident objectives.
 2. Selection of strategies.
 3. Ensuring that joint planning for tactical activities will be accomplished.
 4. Ensuring that integrated tactical operations are conducted.
- d. The proper selection of participants to work with the IMS and command structure will depend upon:
 1. The location of the incident and which political jurisdictions are involved; and
 2. Which functional agencies of the involved jurisdiction(s) are required.
- e. In Monroe County, the unified command structure table of organization will consist of:
 1. The Fire Rescue Departments.
 2. Law Enforcement.
 3. The designated Facility Emergency Response Coordinator at the facility having the HAZMAT incident (SARA Title III), 302 facilities.
 4. A lead environmental agency (the Department of Environmental Protection {DEP}).

Section 3.0: Direction and Control (Cont.)

5. Additional agencies may be included in the decision-making process as their involvement in the mitigation effort increases. At that time, they will become part of the unified command staff and be collocated at the Command Post (CP).

The IC will coordinate the mitigation of the hazardous materials incident until the situation is stabilized, at which time command is passed to the agency designated to oversee the completion of the clean-up process. Fire service and other emergency personnel will standby and assist, as requested. The IC will notify those agencies prescribed by law and those necessary to control and mitigate the incident.

When activities are judged by the IC to be unsafe and/or to involve imminent danger conditions, the IC shall have the authority to alter, suspend, or terminate those activities. All agencies involved in the hazardous materials incident will keep sufficient records to submit an after-action report for study and critique.

- Emergency Operations Center

The County Primary Emergency Operations Center (EOC) may be activated by the county Emergency Management Director upon receipt of notification of a release of hazardous materials. Appropriate response and support personnel would be called to the EOC to coordinate the actions of their respective agencies and organizations. Once fully activated, the EOC will continue to function on a continuous basis until the emergency is over and its effects can be more effectively controlled through normal governmental channels.

Municipal EOCs may be activated (if needed) and County EOC will be notified of such activation by the municipal EM Manager.

3.3 State Government Role

The purpose of subsection 3.3 is to describe the role of state government in providing direction and control in the event of a hazardous materials incident.

A. South Florida LEPC

The role of state government in response to a hazardous materials emergency is to support local government operations unless the scope of the emergency warrants increased state action. The state government support is coordinated by the Department of Environmental Protection and the Bureau of Emergency Response (BER) from the State EOC.

Upon receipt of notification from the county that a release of hazardous materials has occurred, staff from the Department of Environmental Protection shall be dispatched to the scene to provide guidance to local emergency operations personnel to mitigate environmental damage. In the event of a major hazardous materials accident, all or a portion of the State Hazardous Materials Task Force should be activated to coordinate state response and support to the county.

Increased state actions may be warranted for emergencies which involve multi-jurisdictional hazards, when local governments believe the emergency is beyond

Section 3.0: Direction and Control (Cont.)

the capabilities of local resources or when the Governor determines there is an overriding concern for the safety of the public. For these situations the Governor can designate the primary responsibility for emergency response to the state by issuing an Executive Order under the provisions of Section 252.365, Florida Statutes (see Figure 3.2).

- B. Miami-Dade County - See SoFlaLEPC above.
- C. Broward County - See SoFlaLEPC above.
- D. Monroe County - See SoFlaLEPC above.

Figure 3.2

SAMPLE EXECUTIVE ORDER

STATE OF FLORIDA

OFFICE OF THE GOVERNOR

EXECUTIVE ORDER NUMBER _____

WHEREAS, ON _____, 202_, a hazardous materials emergency condition was declared at the _____ chemical plant, operated by the _____ Chemical Company in _____ County, causing a (potentially) hazardous chemical release into the atmosphere, and

WHEREAS, certain additional specialized equipment, personnel and resources are required, and

WHEREAS, the _____ Chemical Company has exerted every effort to correct the emergency condition, and

WHEREAS, local governments in the affected counties and municipalities have exerted every effort to assist the affected citizens, and

WHEREAS, the _____ County Commission has declared a local state of emergency and has requested assistance from the state,

NOW THEREFORE, I, Rick Scott, as Governor of the State of Florida, by virtue of the authority vested in me by Article IV, Section 1(A), Florida Constitution (1968), Section 252.31 et seq., Florida Statutes (1974), Section 250.06, Florida Statutes (1973), and all applicable law, do hereby declare the existence of a disaster emergency and promulgate the following Executive Order effective immediately:

1. That a state of emergency exists within _____ County due to the (potentially) hazardous effects of a chemical release from the _____ Chemical Plant.
2. That the Florida Comprehensive Emergency Management Plan is hereby activated and the Department of Community Affairs shall be responsible for emergency management and is hereby empowered to take all action under the plan necessary to protect the health, welfare, and safety of the people and property in the vicinity of the chemical release.
3. That the Chairperson of the Board of County Commissioners of _____ County or the Chairperson's designee shall act as coordinator of the local emergency management effort within _____ County.
4. That the Division of Emergency Management is hereby authorized to order the evacuation of those portions of _____ County whose people and property are in imminent or existing danger as a result of the emergency at the _____ Chemical Plant and the chemical release. Should such action become necessary, the evacuation orders shall have the force and effect of state law.
5. That the Florida Division of Emergency Management is hereby authorized to direct the use of any State and county facility, including public schools, to ensure the proper reception, sheltering, and care of evacuees.

Section 3.0: Direction and Control (Cont.)

6. That State agencies and the Florida National Guard, as coordinated by the Florida Division of Emergency Management, shall provide mission support by furnishing resources and support personnel to alleviate threat to life and property resulting from the state of emergency at the _____ Chemical Plant.
7. That all affected toll facilities are hereby ordered to suspend the collection of toll charges until such time as the Governor or his Authorized Representative designates this as no longer necessary.
8. That _____ is hereby appointed the Governor's Authorized Representative for _____ County and the area(s) within the vulnerable zone surrounding the _____ Chemical Plant.
9. In the event of _____ absence, _____ shall act as the Governor's Authorized Representative.
10. This Executive Order shall remain in effect for a period of thirty days unless otherwise rescinded.

(SEAL)

IN TESTIMONY WHEREOF, I have here-
unto set my hand and caused the
Great Seal of the State of Florida
to be affixed at Tallahassee, the
Capitol, this ____ of _____, 202__.
(Day) (Month)

/s/ Ron DeSantis
GOVERNOR

ATTEST:

/s/ Laurel M. Lee
SECRETARY OF STATE

3.4 Federal Government Role

The purpose of subsection 3.4 is to describe the role of the federal government in providing direction and control in the event of a hazardous materials incident.

A. South Florida LEPC

The role of the federal government in planning for hazardous materials is outlined in section 303(g) of SARA/Title III. The section states, the Regional Response Teams "may review and comment upon an emergency plan or other issues related to preparation, implementation, or exercise of such a plan upon request of a local emergency planning committee." This review is viewed by the National Response Team to be a form of technical assistance to the local emergency planning committees and the state emergency response commissions and is not to be considered as an approval of these plans. (NRT-1A, National Response Team; 1988)

The role of the federal government in response to an emergency involving the release of hazardous materials is to support local and state emergency operations. Activation of the Federal Regional Response Team (RRT) provides access to federal resources not available at the state and local levels. An on-scene coordinator will be designated to coordinate federal resources and support.

B. Miami-Dade County - See SoFlaLEPC above.

C. Broward County - See SoFlaLEPC above.

D. Monroe County - See SoFlaLEPC above.

4. NOTIFICATION AND ACTIVATION

4.1 General

This section outlines responsibilities and procedures for the notification of appropriate emergency response organizations; alerting key local, state and federal emergency response personnel; and for providing warning and instruction to the general public.

4.2 Warning Points

The purpose of subsection 4.2 is to describe procedures for immediate notification of appropriate 24-hour warning points and for securing state and federal assistance.

A. South Florida LEPC

The Florida Division of Emergency Management (DEM) is the designated State Watch Office in the event of a hazardous materials incident. As such, the DEM is responsible for receiving notification of an emergency from the County Warning Point and alerting key state and federal emergency response personnel. The DEM is also responsible for assisting Local Emergency Planning Committees (LEPCs) in providing warnings and instructions to the general public.

A Duty Officer is on duty at the State Watch Office in Tallahassee on a 24-hour per day basis. The 24-hour telephone number for the State Watch Office is (800) 320-0519. In the event of a hazardous materials incident, it is the responsibility of the hazardous materials facility to notify their County Warning Point, LEPC, State Watch Office, and National Response Center (if applicable) within the appropriate timeframes.

The National Response Center (NRC) is the national warning and communications center for emergencies involving the release of hazardous materials. Located at U.S. Coast Guard headquarters in Washington, D.C., the NRC receives and relays notices of discharges and releases to the appropriate on-scene commander and provides facilities for the National Response Team to use in coordinating a national response action when required. A 24-hour telephone number for the NRC is (800) 424-8802.

Figure 4.2.1 is the South Florida LEPC Emergency Contact List. Based on these initial contacts technical support will be provided as the situation warrants.

B. Miami-Dade County

The Miami-Dade County Fire Alarm Office is the designated County Warning Point in the event of a hazardous materials incident. To report a hazardous materials emergency, notify 911 and an MDOEM Duty Officer (24 hour) at (305) 468-5800.

Figure 4.2-1

South Florida LEPC Emergency Contact list for all releases of reportable quantities of extremely hazardous substances¹.

Florida State Watch Office(800) 320-0519
.....(850) 413-9911

National Response Center(800) 424-8802

County Emergency Contacts²:

In Miami-Dade911
In Broward911
In Monroe911

South Florida LEPC Coordinator ..(954) 923-3653

1 As the situation warrants, technical and additional response personnel will be called on from the lists contained in section 4.3. The lead response agency for each county (which is described in section 2) will make such decisions.

2 The county emergency contacts will assist the LEPC in satisfying the administrative section 304 immediate notification requirement as feasible.

Section 4.0: Notification and Activation (Cont.)

C. Broward County

Local or county governmental agencies shall report ALL hazardous materials incidents, regardless of size, to the County Warning Point. The Watch Captain shall notify the State Division of Emergency Management of the on-going hazardous materials incident. Initial notification should include the location, type of material, protective actions initiated, person in charge at the scene, condition of material released and the time of the incident. The 24-hour County Warning Point phone number is (954) 765-5100.

D. Monroe County

The Monroe County Sheriff's Central Dispatch Center (MCSO) is the designated Monroe County Warning Point in the event of a hazardous materials emergency. The MCSO Dispatch is staffed on a 24-hour per day basis for receipt of notification by the facility owner/operator, City of Key West Dispatch, and Ocean Reef Public Safety that a hazardous materials release has occurred, and for altering key local and state emergency response personnel. The telephone numbers for the MCSO Dispatch are 9-1-1 or Lower Keys (305) 296-2424, Middle Keys (305) 289-2430, Upper Keys (305) 852-3211. The Monroe County Fire Rescue on-duty Battalion Chief is (305)289-6210 work and (305)797-1136 cellphone.

E. State

The Florida Division of Emergency Management is the designated State Watch Office in the event of a hazardous material incident. The DEM is responsible for receiving notification of an emergency from the County Warning Point and alerting key state and federal emergency response personnel. The DEM is also responsible for assisting LEPCs in providing warnings and instructions to the general public.

A Duty Officer is on duty at the State Watch Office on a 24-hour basis. The phone numbers are (850) 413-9900 or (800) 320-0519. Upon receipt of notification from the County Warning Point that a release involving hazardous materials has occurred, the State Watch Office will make the appropriate notification to the National Response Center.

The National Response Center is the national warning and communications center for emergencies involving the release of hazardous materials. Located at U.S. Coast Guard headquarters in Washington, DC, the NRC receives and relays notices of discharges and releases to the appropriate on scene commander and provides facilities for the National Response Team to use in coordinating a national response action when required. A 24-hour phone is (800) 424-8802.

4.3 Notification and Activation

The purpose of subsection 4.3 is to detail procedures for reliable, effective and timely notification by the facility emergency coordinators and the community emergency coordinator to persons designated in the emergency plan that a release has occurred.

A. South Florida LEPC

Facility owners or operators are required to notify immediately (within 15 minutes) local, state (and in some cases federal) authorities following the release of a listed extremely hazardous substance in an amount that exceeds the reportable quantity for that particular substance. It is the responsibility of the owner/operator of the facility from which hazardous materials have been released to notify the County Warning Point that a release has occurred. Specific information to be included in the facility's initial and follow-up messages is identified in Figure 4.3-1 (Section 304 release form). In the event that the State Watch Office receives notification of a release from a source other than the County Warning Point, the State Watch Office will immediately notify the County Warning Point and the Public Information Coordinator of the LEPC.

A facility owner who has a release of a hazardous substance (CERCLA) in a quantity greater than or equal to the reportable quantity must notify the Department of Environmental Protection through the State Watch Office within one working day of the release. In the State of Florida all petroleum spills of twenty-five gallons or more is a reportable quantity and must be reported to the State Watch Office, a Discharge Reporting Form must also be submitted to the DEP within 24 hours or the next business day of discovery of the spill.

Following a reportable release, the facility owner or operator must:

1. Immediately contact the LEPC and contact the appropriate county CEC at the County Warning Point at Miami-Dade - 911, Broward - 911, and Monroe - 911.
2. Immediately contact the State Watch Office at either (850) 413-9900 or (800) 320-0519.
3. Immediately contact the National Response Center (NRC) if a substance is reportable under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), at (800) 424-8802.
4. Submit the follow-up report as required by Section 304, within 10 working days to the LEPC's Public Information Coordinator and the State Emergency Response Commission.

Figure 4.3-1

SARA - TITLE III
SECTION 304 REPORTING FORM

1. General Information SARA LOG # _____
A. Time/Date _____ / _____
B. Reported by (Name/Company) _____
C. Contact Person (if different from 1-B above) _____
D. Location _____
E. Telephone Number _____

2. Release Information
A. Substance(s) Involved _____
B. Release Medium: Air _____
Water _____ (surface/ground)
Land _____
C. Event Terminated: Yes/No
Release Began: _____; Ended _____; Duration _____
D. Quantity Released: _____
E. EHS Release: Yes/No; CERCLA Release: Yes/No

3. Is this a Reportable Incident/Emergency under Section 304?

4. Incident Description: _____

5. Action Taken to Respond or Contain _____

6. Potential Health Risk (if known or anticipated)
A. Off-Site _____
B. Injuries: Release Related/Number _____
Non-Release Related/Number _____

7. Recommended Protective Actions (Where Appropriate Advice Regarding Attention Necessary for Exposed Individuals) _____

8. Agencies Notified by Industry
A. County EM _____ C. Local Environmental _____ E. State DER _____
B. Local FD _____ D. State DER _____ F. Other _____

9. Emergency Assistance Requested: Yes/No; If Yes:
A. Local FD _____ D. Local Law Enf. _____ G. State DER _____
B. County EM _____ E. Local Health _____ H. Other _____
C. Local Environmental _____ F. State DNR _____

10. Should more than 15 minutes difference exist between release beginning time (_____) and reporting time (_____) - Explain reason for not immediately reporting the incident _____

11. Message Received By: Name _____ Time _____ Date _____
THIS DOES NOT FULFILL THE REQUIREMENTS FOR A FOLLOW-UP REPORT

B. Miami-Dade County

The sequences for notification and activation of emergency response personnel for each level of threat are discussed below. Details of notification and activation are contained in county implementing procedures.

- Notification of Potential Emergency Conditions

- a. Description

- An incident or threat of a release, which can be controlled by the first response agencies and does not require evacuation of other than the involved structure or the immediate outdoor area. The incident is confined to a small area and does not pose an immediate threat to life or property.

- b. Notification

- Upon receipt of notification of a potential emergency condition from the facility owner or operator, the County Warning Point will notify the following emergency personnel dependent on the type of emergency:

- Miami-Dade County Fire Rescue/Hazardous Materials Unit
 - Municipal Fire Rescue (jurisdictional)
 - Miami-Dade County Police Department
 - Municipal Law Enforcement (jurisdictional)
 - Miami-Dade County Regulatory and Economic Resources
 - Florida Department of Health in Miami-Dade County
 - Miami-Dade County Department of Transportation and Public Works
 - American Red Cross
 - State Watch Office
 - Emergency Management Duty Officer

- c. Activation

- Emergency response personnel will be called to duty using established county notification procedures. Support agencies will be alerted by the agency they are supporting. Should mobilization be required, emergency response personnel will report to their agency response center for specialized equipment and further instructions. Upon notification, the county emergency management director and appropriate staff will monitor the situation and if evacuations are necessary will coordinate the appropriate public protective measures.

- Notification of Minor Incident

- a. Description

- An incident involving a spill, release or potential release of a known hazardous material with minor injuries, if any; and no fatalities. It involves a limited area of involvement and has a product quantity of less than 55 gallons. Evacuations will be limited to the immediate area for a limited duration (less than 4 hours). Local resources can be used to handle the incident.

- b. Notification

- Upon receipt of notification of a potential emergency condition from the facility owner or operator, the County Warning Point will notify the following emergency personnel dependent on the type of emergency:

- Miami-Dade County Fire Rescue/Hazardous Materials Unit
 - Municipal Fire Rescue (jurisdictional)
 - Miami-Dade County Police Department

Section 4.0: Notification and Activation (Cont.)

- Municipal Law Enforcement (jurisdictional)
- Miami-Dade County Regulatory and Economic Resources
- Florida Department of Health in Miami-Dade County
- Miami-Dade County Department of Transportation and Public Works
- American Red Cross
- State Watch Office
- Emergency Management Duty Officer

c. Activation

Emergency response personnel will be called to duty using established county notification procedures. Support agencies will be alerted by the agency they are supporting. Should mobilization be required, emergency response personnel will report to their agency response center for specialized equipment and further instructions. Upon notification, the county emergency management director and appropriate staff will monitor the situation and if evacuations are necessary will coordinate the appropriate public protective measures.

- Notification of Limited Emergency Condition

a. Description

An incident involving a greater hazard or larger area which poses a potential threat to life and/or property and which may require a limited evacuation of the surrounding area.

b. Notification

Upon receipt of notification of a potential emergency condition from the facility owner or operator, the County Warning Point will notify the following emergency personnel dependent on the type of emergency:

- Miami-Dade County Fire Rescue/Hazardous Materials Unit
- Municipal Fire Rescue (jurisdictional)
- Miami-Dade County Police Department
- Municipal Law Enforcement (jurisdictional)
- Miami-Dade County Regulatory and Economic Resources
- Florida Department of Health in Miami-Dade County
- Miami-Dade County Department of Transportation and Public Works
- American Red Cross
- State Watch Office
- Emergency Management Duty Officer

c. Activation

Emergency response personnel will be called to duty using established county notification procedures. Support agencies will be alerted by the agency they are supporting. Should mobilization be required, emergency response personnel will report to their agency response center for specialized equipment and further instructions. Upon notification, the county emergency management director and appropriate management staff will report to the EOC to facilitate the rapid deployment of emergency response personnel, if needed. If the situation warrants, the county emergency management director will activate the County EOC.

Section 4.0: Notification and Activation (Cont.)

- Notification of Full Emergency Condition
 - a. Description
A spill or release of a hazardous material that has resulted in a serious fire, explosion or environmental contamination over an extended area. Has a wide area probability of spread. Product may be highly toxic, very reactive, unstable or flammable. In addition, it may be etiological that is extremely pathogenic. Evacuation will affect a large area with long duration. Mutual aid will be required.
 - b. Notification
Upon receipt of notification of full emergency conditions from the facility's owner or operator or from another source, the County Alarm Office will notify the following agencies at a minimum:
 - Miami-Dade County Fire Rescue/Hazardous Materials Unit
 - Municipal Fire Rescue (jurisdictional)
 - Miami-Dade County Police Department
 - Municipal Law Enforcement (jurisdictional)
 - Miami-Dade County Regulatory and Economic Resources
 - Florida Department of Health in Miami-Dade County
 - Miami-Dade County Department of Transportation and Public Works
 - American Red Cross
 - State Watch Office
 - Emergency Management Duty Officer
 - Miami-Dade County School Board
 - Florida Department of Transportation
 - Affected Divisional Emergency Operations Center
 - Adjoining County Warning Point
 - c. Activation
Emergency response personnel will be called to duty using established county notification procedures. Support agencies will be alerted by the agency they are supporting. Should mobilization be required, emergency response personnel will report to their agency response center for specialized equipment and further instructions. The county emergency management director and staff will activate the EOC and assist in the notification process. Rumor control telephone functions will also be activated. Designated emergency personnel will report to the EOC and other emergency response personnel may be directed to take appropriate emergency actions.

C. Broward County

- Hazardous Materials Incident Categories
For purposes of standardization of emergency communications, and operations, the following hazardous materials incident categories shall apply when notification of an incident is made to the Broward County Warning Point. The State Watch Office is always notified of every incident.
- Notification of Potential Emergency Conditions (Category IV)

Section 4.0: Notification and Activation (Cont.)

- a. Description
An incident or threat of a release, which can be controlled by the first response agencies and does not require evacuation of other than the involved structure or the immediate outdoor area. The incident is confined to a small area and does not pose an immediate threat to life or property.
 - b. Notification
Upon receipt of notification of a potential emergency condition from the first responding agency or 911 caller, the County Warning Point will notify the following emergency personnel dependent on the type of emergency:
 - Closest Hazard Materials Team
 - Municipal Fire Rescue (jurisdictional)
 - County Law Enforcement
 - Municipal Law Enforcement (jurisdictional)
 - Broward County Environmental Protection & Growth Management Department
 - Broward County Health Department
 - Broward County Transit
 - American Red Cross
 - On-Call EOC Manager
 - c. Activation
Upon notification, the county emergency management director, or designee and appropriate staff will monitor the situation and if evacuations are necessary will coordinate the appropriate public protective measures.
- Notification of Minor Incident (Category III)
 - a. Description
An incident involving a spill, release or potential release of a known hazardous material with minor injuries, if any; and no fatalities. It involves a limited area of involvement and has a product quantity of less than 55 gallons. Evacuations will be limited to the immediate area for a limited duration (less than 4 hours). Local resources can be used to handle the incident.
 - b. Notification
Upon receipt of notification of a minor incident from the first responding agency or other source, the County Warning Point will notify the State Watch Office and other appropriate agencies.
 - c. Activation
Activation of emergency response agencies beyond the first response agencies and partial activation of the Broward County EOC is not likely.
 - Notification of Limited Emergency Condition (Category II)
 - a. Description
An incident involving a greater hazard or larger area which poses a potential threat to life and/or property and which may require a limited evacuation of the surrounding area.
 - b. Notification
Upon receipt of notification of a potential emergency condition from the first responding agency or 911 caller, the County Warning Point will notify the State Watch Office and the following emergency personnel dependent on the type of emergency:

Section 4.0: Notification and Activation (Cont.)

- Closest Hazard Materials Team
- Fire Rescue (jurisdictional)
- Law Enforcement (jurisdictional)
- Broward County Environmental Protection & Growth Management Department
- Broward County Health Department
- Broward County Transit
- American Red Cross
- Broward County School Board
- Florida Department of Health
- County Public Works
- Florida Department of Transportation
- Affected Divisional Emergency Operations Center
- Adjoining County Warning Point
- State Watch Office (800) 320-0519
- On-Call EOC Manager

c. Activation

Upon notification, the county emergency management on-call duty officer and appropriate management staff will report to the EOC to facilitate the rapid deployment of emergency response personnel, if needed. If the situation warrants, the county emergency management director, or designee will activate the County EOC.

- Notification of Full Emergency Condition (Category I)

a. Description

A spill or release of a hazardous material that has resulted in a serious fire, explosion or environmental contamination over an extended area. Has a wide area probability of spread. Product may be highly toxic, very reactive, unstable or flammable. In addition, it may be etiological that is extremely pathogenic. Evacuation will affect a large area with long duration. Mutual aid will be required.

b. Notification

Upon receipt of notification of a potential emergency condition from the first responding agency or 911 caller, the County Warning Point will notify the State Watch Office and the following agencies at a minimum:

- Closest Hazardous Materials Team
- Fire Rescue (jurisdictional)
- Law Enforcement (jurisdictional)
- Broward County Environmental Protection & Growth Management Department
- Emergency Management Division (Duty Officer)
- Broward County Health Department
- Broward County Transit
- American Red Cross
- Broward County School Board
- County Public Works
- Florida Department of Transportation
- Affected Divisional Emergency Operations Center
- Adjoining County Warning Point
- State Watch Office (800) 320-0519
- On-Call EOC Manager

c. Activation

The On-Call Duty Officer may expand notification depending on the incident. Response may include limited to full activation of the EOC.

Section 4.0: Notification and Activation (Cont.)

Citizen information telephone numbers may be activated depending on the scenario. Designated emergency personnel will report to the EOC and other emergency response personnel may be directed to take appropriate emergency actions.

D. Monroe County

Facility owners or operators are required to immediately notify local, state (and in some cases federal) authorities following the release of a listed extremely hazardous substance in an amount that exceeds the reportable quantity for that particular substance. It is the responsibility of the owner/operator of the facility from which hazardous materials have been released to notify the MCSO Dispatch that a release has occurred. In the event that the State Watch Office receives notification of a release from a source other than the MCSO Dispatch, the State Watch Office will immediately notify the MCSO Dispatch.

Following a reportable release, the facility owner or operator must:

- a. Contact the MCEM by contacting the appropriate MCSO, Key West Police, or Ocean Reef Public Safety Dispatch at 9-1-1.
- b. Contact the State Watch Office at (850) 413-9900 or (800) 320-0519; and the LEPC at (954) 985-4416 or (800) 985-4416.
- c. Contact the National Response Center (NRC) if a substance is reportable under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), at (800) 424-8802.

Upon receipt of a notification of an emergency involving the release of hazardous materials, the MCSO Dispatch will make every effort to verify information contained in the initial report. Local response organizations will be notified of the emergency by the MCSO Dispatch.

- Notification of Potential Emergency Conditions

- a. Description

An incident or threat of a release, which can be controlled by the first response agencies and does not require evacuation of other than the involved structure or the immediate outdoor area. The incident is confined to a small area and does not pose an immediate threat to life or property.

- b. Notification

Upon receipt of notification of a potential emergency condition from the facility owner or operator, the MCSO Dispatch will notify the following emergency personnel dependent on the type of emergency:

- Jurisdictional Fire Departments
- Monroe County Sheriff's Office
- Municipal Police Departments
- Monroe County Emergency Management
- Monroe County Fire Rescue
- Monroe County Fire Marshal
- State Watch Office

- c. Activation

Activation of emergency response personnel beyond the first response agencies (fire/rescue department, police department, etc.) and partial EOC staff is not anticipated for this level of emergency. The MCEM

Section 4.0: Notification and Activation (Cont.)

Director will monitor the situation, coordinate local response activities, and be prepared to take further action, if necessary, to protect the public.

- Notification of Limited Emergency Condition

- a. Description

- An incident involving a greater hazard or larger area which poses potential threat to life and/or property and which may require a limited evacuation of the surrounding area.

- b. Notification

- Upon receipt of notification of a limited emergency condition from the facility owner or operator, the MCSO Dispatch will notify the following emergency personnel (if applicable):

- Jurisdictional Fire Departments
 - Monroe County Sheriff's Office or Municipal Police Departments
 - Monroe County Emergency Management Director
 - Monroe County Fire Rescue
 - Monroe County Fire Marshal
 - Monroe County Administrator
 - Monroe County Public Works Director
 - Superintendent of the School Board
 - Area Chapter of the American Red Cross
 - State Watch Office
 - Florida Department of Health in Monroe County Director

- c. Activation

- Upon notification, the MCEM Director and appropriate management staff will report to the EOC to facilitate the rapid deployment of emergency response personnel, if needed. If the situation warrants, the MCEM Director will activate the Monroe County EOC.

- Notification of Full Emergency Condition

- a. Description

- An incident involving a severe hazard or large area which poses an extreme threat to life and/or property and will probably require a large-scale evacuation, or an incident requiring the expertise or resources of county, state, federal or private agencies.

- b. Notification

- Upon receipt of notification of full emergency conditions from the facility's owner or operator, the MCSO Dispatch officer will notify the MCEM Director to assist in notifying the following emergency personnel (if applicable):

- Jurisdictional Fire Departments
 - Monroe County Sheriff's Office or Municipal Police Departments
 - Monroe County Emergency Management Director
 - Monroe County Administrator
 - Monroe County Fire Rescue
 - Monroe County Fire Marshal
 - Florida Department of Health in Monroe County Director
 - Monroe County Public Works Department Director
 - Chairman, Monroe County School Board
 - Director, Transportation Authority, Key West
 - Area Chapters of the American Red Cross
 - State Watch Office

Section 4.0: Notification and Activation (Cont.)

c. Activation

The MCEM Director and staff will activate the EOC and assist in the notification process. Rumor control telephone numbers will also be activated. Designated emergency personnel will report to the EOC and other emergency response personnel may be directed to take appropriate emergency actions.

4.4 Notification to the Public

The purpose of subsection 4.4 is to identify responsible officials within the District and describe the methods by which they will notify the public of a release from any facility or along any transportation route, including sirens, signals, and other methods.

A. South Florida LEPC

The process of informing the public of a release or emergency is carried out on a county by county basis within the District. Following is a description of this process for Miami-Dade, Broward and Monroe Counties.

B. Miami-Dade County

Upon the determination of a moderate, major or severe incident, the Office of Emergency Management will activate procedures to provide public protective recommendations to the public. In addition, rumor control functions may be established to address public requests for information.

The County Emergency Management Director (or designee) may activate the Emergency Alert System (EAS) in the event of a release. Residents will be advised to tune in to the following radio and television stations for detailed information and instructions.

Television

WPBT (PBS) Channel 2	WPLG (ABC) Channel 10	WBFS-TV (MNT) Channel 33
WFOR-TV (CBS) Channel 4	WLRN-TV (PBS) Channel 17	WSFL-TV (CW) Channel 39
WTVJ (NBC) Channel 6	WLTW-DT (UNI) Channel 23	WSCV (TEL) Channel 51 (Spanish)
WSVN (Fox) Channel 7	(Spanish)	

(Reception will vary depending with distance and atmospheric conditions)

Radio

WHQT (101.5 FM) Coral Gables	WDNA (88.9 FM) Miami	WSUA (1260 AM) Miami
WQOS (1080 AM) Coral Gables	WEDR (99.1 FM) Miami	WURN (1040 AM) Miami
WRHC (1550 AM) Coral Gables	WFEZ (93.1 FM) Miami	WWFE (670 AM) Miami
WVUM (90.5 FM) Coral Gables	WFLC (97.3 FM) Miami	WMBM (1490 AM) Miami Beach
WLFE (90.9 FM) Cutler Bay	WINZ (940 AM) Miami	WMIA-FM (93.9 FM) Miami Beach
WMFL (88.5 FM) Florida City	WIOD (610 AM) Miami	WZTU (94.9 FM) Miami Beach
WRTO-FM (98.3 FM) Goulds	WKAT (1450 AM) Miami	WJCC (1700 AM) Miami Springs
WACC (830 AM) Hialeah	WLRN-FM (91.3 FM) Miami	WNMA (1210 AM) Miami Springs
WCMQ-FM (92.3 FM) Hialeah	WLYF (101.5 FM) Miami	WQVN (1360 AM) North Miami
WRGP (88.1 FM) Homestead	WMLV (89.7 FM) Miami	WRMA (95.7 AM) N Miami Beach
WMYM (990 AM) Kendall	WPOW (96.5 FM) Miami	WAXY (790 AM) South Miami
WAMR-FM (107.5 FM) Miami	WQAM (560 AM) Miami	WZAB (880 AM) Sweetwater
WAQI (710 AM) Miami	WQBA (1140 AM) Miami	

(Reception will vary depending with distance and atmospheric conditions)

Section 4.0: Notification and Activation (Cont.)

As a backup, police and fire vehicles with public address systems will move throughout the area advising residents of protective actions they should take. At night, or because of air-conditioned buildings, a vehicle with sirens should be used to awaken or get the attention of residents followed by a vehicle giving instructions by loudspeaker. If a toxic cloud is already in the air, information contained in Media Release B (Figure 6.4-2) would be provided via the media.

Boaters in the waters near the incidents will be advised by the USCG, Florida Marine Patrol and Law Enforcement Marine Patrols.

The public notification system may be activated for a Potential Emergency and will be activated for a Limited Emergency or Full Emergency. Activation of the public notification system should be accomplished within 15 minutes after the decision is made to activate. Notification of the public should occur between 15 to 45 minutes after activation. Follow up public information will facilitate recovery operations maintain public health and safety. Follow up information may include details about cleanup operations, instructions on avoidance of hazards, instructions on available assistance, and re-entry parameters.

C. Broward County

Numerous factors must be considered by the IC and the local law enforcement agency represented at the command post to ensure that an evacuation is conducted in a safe and effective manner, including how many people will be involved, where they are located, their degree of mobility and whether there are any communication barriers to address. Potential evacuees may be found in many different locations. In the event of an evacuation order, the IC, through the appointed spokesperson, shall warn all citizens in the area by means of the media, or house-to-house notification by law enforcement officers, firefighters, emergency management personnel, volunteers, etc. not actively engaged in the emergency operation.

In addition, the spokesperson will announce the locations of the Community Refuges that have been opened by the American Red Cross, and the location of bus pickup points.

The most expeditious method of promulgating emergency information to the public is through the broadcast media. County releases will be transmitted to radio and television stations, via the Emergency Alert System (EAS), with requests for verbatim rebroadcast.

Television

WPBT (PBS) Channel 2	WBFS-TV (MNT) Channel 33
WFOR-TV (CBS) Channel 4	WSFL-TV (CW) Channel 39
WTVJ (NBC) Channel 6	WHFT-TV (TBN) Channel 45
WSVN (Fox) Channel 7	WSCV (TEL) Channel 51 (Spanish)
WPLG (ABC) Channel 10	WBEC-TV (ETV) Channel 63
WLRN-TV (PBS) Channel 17	WAMI-DT (UNI) Channel 69
WLTN-DT (UNI) Channel 23 (Spanish)	

(Reception will vary depending with distance and atmospheric conditions)

Section 4.0: Notification and Activation (Cont.)

Radio

WAVS (1170 AM) Davie	WYBP (90.3 FM) Ft Laud
WBGG-FM (105.9 FM) Ft Laud	WLQY (1320 AM) Hollywood
WFL (1400 AM) Ft Laud	WSFS (104.3 FM) Miramar
WHYI-FM (100.7 FM) Ft Laud	WHSR (980 AM) Pompano Beach
WMIB (103.5) Ft Laud	WMXJ (102.7 FM) Pompano Beach
WSRF (1580 AM) Ft Laud	WWNN (1470AM) Pompano Bch
WXDJ (106.7 FM) Ft Laud	

(Reception will vary depending with distance and atmospheric conditions)

Provision of post-emergency information to the public is essential to facilitate recovery operations and for the continuous safety, health, and wellbeing of the population. The public must be provided instructions designed to preclude their hindrance of cleanup operations, instructions on avoidance of hazards to health and safety, and instructions on where and how to receive assistance, when reentry into the evacuated area will be permitted.

Section 4.0: Notification and Activation (Cont.)

D. Monroe County

Upon the determination that a Limited Emergency Condition or Full Emergency Condition is in progress, the MCEM Director will activate procedures to provide the incident commander's notification and clear instructions, including periodic status updates, to the general public within the area affected by the release.

The MCEM will activate the Emergency Alerting System (EAS) to notify the public of a general emergency caused by a hazardous material release. Residents and transients will be advised to tune to the following radio and television stations for detailed information and instructions:

Television

WPBT (PBS) Channel 2	WLRN-TV (PBS) Channel 17
WFOR-TV (CBS) Channel 4	WSBS-TV (Ind) Channel 22
WTVJ (NBC) Channel 6	WLTV-DT (UNI) Channel 23 (Spanish)
WSVN (Fox) Channel 7	WBFS-TV (MNT) Channel 33
WGEN-TV (Azteca) Channel 8	WSFL-TV (CW) Channel 39
WPLG (ABC) Channel 10	WSCV (TEL) Channel 51 (Spanish)

(Reception will vary depending with distance and atmospheric conditions)

Radio

WHNJ (95.7 FM) Big Pine Key	WKWR (90.1 FM) Key West
WWUS (104.1 FM) Big Pine Key	WMFM (107.9 FM) Key West
WMFV (89.5 FM) Cedar Key	WXKW (104.9 FM) Key West
WKYZ (101.7 FM) Key Colony	WYBX (88.3 FM) Key West
WYBW (88.7 FM) Key Colony	Radio Marti (1180AM) Marathon
WURN-FM (107.1 FM) Key Largo	WAVK (97.7 FM) Marathon
WRAZ-FM (106.3 FM) Key Largo	WFFG (1300 AM) Marathon
WAIL (99.5 FM) Key West	WGMX (94.3 FM) Marathon
WCNK (98.7 FM) Key West	WKWM (91.5 FM) Marathon
WEOW (92.7 FM) Key West	WCTH (100.3 FM) Plantation Key
WIIS (106.9 FM) Key West	WFKZ (103.1 FM) Plantation Key
WKEY-FM (93.7 FM) Key West	WPIK(102.5FM) Summerland Key
WKWF (1600 AM) Key West	WKEZ-FM (96.9 FM) Tavernier

(Reception will vary depending with distance and atmospheric conditions)

As a backup, police and fire/rescue vehicles and aircraft equipped with public address systems will move throughout the area advising residents of the protective actions they should take based on the severity of the emergency in accordance with the response agencies' established procedures. At night or because of air-conditioned buildings, a vehicle with sirens should be used to awaken or get the attention of residents and precede a second vehicle which gives instructions by loudspeaker.

Section 4.0: Notification and Activation (Cont.)

Boaters in the waters near affected facilities will be notified of the emergency by loudspeakers from boats and aircraft operated by the Florida Fish and Wildlife Conservation Commission (FWC), Florida Department of Environmental Protection (FDEP) and Monroe County Sheriff's Office (MCSO) Marine Units and U.S. Coast Guard.

The public notification system may be activated for a Potential Emergency and will be activated for a Limited Emergency or Full Emergency. Activation of the public notification system should be accomplished within 15 minutes after the decision is made to activate. Notification of the public should occur between 15 to 45 minutes after activation.

5. EMERGENCY COMMUNICATIONS

5.1 General

The following section describes the various communications systems which can be used during emergencies involving hazardous materials.

A. South Florida LEPC

Each county has different operating procedures for emergency communications. Following, is a description of those procedures, by county.

B. Miami-Dade County

Located within the Miami-Dade County Fire Rescue Headquarters is a fully operational communications center, which is staffed 24-hours per day by a professional staff of emergency communicators and capable of coordinating communications among response organizations during an emergency.

C. Broward County

Since 2014, the Broward County Consolidated Dispatch System is operated by BSO Communications through three Regional Consolidated Safety Answering Points (PSAPs) located at the City of Coconut Creek (North Regional), City of Sunrise (Central Regional) and the City of Pembroke Pines (South Regional).

D. Monroe County

The Monroe County Sheriff's Office Central Dispatch Center (MCSO Dispatch) is operated 24 hours a day by emergency communications staff that is capable of coordinating communications among response organizations during an emergency.

5.2 Coordination of Emergency Communications

The purpose of subsection 5.2 is to describe all methods by which identified responders will exchange information and communicate with each other during a response.

A. South Florida LEPC

The coordination among offices and response personnel is handled differently in each county. Below is a description of the procedures for each county.

B. Miami-Dade County

The EOC will provide off-site communications support to the Incident Commander for the public safety agency having responsibility for coordinating emergency response to hazardous materials incidents within that particular jurisdiction within Miami-Dade County.

Upon activation of the Miami-Dade County EOC, all emergency communications systems will be placed into service and tested. The EOC Branch Directors will establish liaison with American Red Cross communications personnel, amateur radio operators, and any other organization with the capability to provide supplemental communications.

Section 5.0: Emergency Communications (Cont.)

The EOC Branch Directors will arrange for staffing of the (EOC) communications center (including volunteer communicators) to operate emergency communications systems. Emergency communications personnel will be directed to report to the County EOC for assignment. Amateur radio operators may be assigned to shelters. Upon receipt of an evacuation order, amateur radio operators will report to their assigned shelters with their equipment and begin to open communication nets with the EOC. Amateur radio operators assigned to shelters will report to the American Red Cross Communications personnel; those assigned to the EOC will operate the RACES (Radio Amateur Civil Emergency Services) and amateur repeater positions. Law enforcement and fire department radio positions will be staffed at the EOC by personnel from those departments.

Direct communications between the Miami-Dade County EOC and the following organizations will be established and maintained:

- The State Division of Emergency Management regarding the local situation and requests for state and federal support and resources;
- The chemical facility where the release of hazardous materials is occurring;
- Local emergency response agencies by agency radio systems and commercial telephone;
- Federal agencies, through the State Division of Emergency Management.

C. Broward County

- Communications Systems

The principal communications systems available to EOC staff located within the EOC complex are:

1. Land Line - 230 telephone lines available for links to Comm Centers.
2. FAX unit.
3. Emergency Satellite Communications (ESATCOM).
4. EOC communications with sister counties.
 - a. State DEM local government radio
 - b. ARES/RACES
 - c. FAX
5. EOC communications with municipalities.
 - a. Inter-city police radio
 - b. ARES/RACES
 - c. Fire Mutual Aid channel
6. Emergency law enforcement.
 - a. Inter-city police radio
 - b. BSO tactical channels
7. Emergency fire rescue.
 - a. Fire Central
 - b. Inter-city police radio
 - c. Emergency medical dispatch channel
 - d. County government radio channel
8. Emergency health services.
 - a. Hospital/Ambulance
 - b. Medical resource channel
 - c. Emergency medical dispatch channel
 - d. County government radio channel

Section 5.0: Emergency Communications (Cont.)

9. Radiological monitoring-hazardous materials.
 - a. Fire central channels
 - b. Inter-city police channels
 - c. County government radio channels
 - d. ARES/RACES

- On-site Communications

Broward County operates within the 800 MHz Public Safety Band.

D. Monroe County

The Monroe County Sheriff's Office Central Dispatch Center (MCSO Dispatch) are manned 24 hours a day by emergency communications staff that is capable of coordinating communications among response organizations during an emergency.

Upon activation of the Monroe EOC, all emergency communications systems will be placed into service and tested. Law enforcement and fire department radio positions will be staffed at the EOC by personnel from those departments.

Direct communications between the Monroe County EOC and the following organizations will be established and maintained:

- a. The State Division of Emergency Management regarding the local situation and requests for state and federal support and resources;
- b. The chemical facility where the release of hazardous materials is occurring;
- c. Local emergency response agencies by agency radio systems and commercial telephone;
- d. Medical facilities and ambulance services through the county Hospital/Emergency Ambulance Radio (HEAR) Network;
- e. Federal agencies, through the State Division of Emergency Management.

Telephone service within the EOC control room will be established and a log of incoming and outgoing messages will be maintained.

5.3 Communications Systems

The purpose of subsection 5.3 is to include the communications network and common frequencies to be used during a response.

A. South Florida LEPC

Each county in the District operates their communications network on different frequencies. Below, the networks are discussed on a county by county basis.

B. Miami-Dade County

Any or all of the following systems will be used to communicate during a hazardous materials emergency:

- Miami-Dade Police and Municipalities

This system is used for evacuation related messages and to facilitate alert and warning of the general public. See Figure 5.3-1A, 1B & 1C, attached.

Section 5.0: Emergency Communications (Cont.)

- Miami-Dade Fire/Rescue & Municipalities
This system is used for search and rescue operations and evacuation related messages.
- Hospital/Emergency Ambulance Radio (HEAR)
This is supplemental system, with priority given to medical support information.
- Search-Air-Rescue Radio (121.5 - 123.1 MHz)
This system supports Miami-Dade County International Airport Control Tower and provides inter-connect between search aircraft and the EOC.
- Maritime Radio (Channels 16, 22 Alpha, and 9)
Maritime Radio aids small craft during evacuation of waterways and is used to coordinate with marina operators and the U.S. Coast Guard.
- NOAA Weather Radio (162.550 MHz)
NOAA weather radio provides emergency evacuation information through an agreement with state and local government.
- Radio Amateur Civil Emergency Services (RACES)
(147.000-Repeater, 146.76-Backup Repeater, 147-52 Simplex). RACES is a viable ancillary communications network among county agencies and/or between county and state organizations. During an emergency, a pool of RACES volunteers may be utilized by the county.
- Commercial Telephone
Commercial telephone service is available at the County EOC, County Warning Point and can be used as an alternate system.
- Hard Copy Transmission System
A high-speed facsimile system is in place in the EOC to transmit and receive hard copy of information pertaining to the emergency. This back-up communications system will be used to verify verbal information received and transmitted through other communications systems.
- Cellular Telephones
This is a supplemental system used for evacuation related messages and to facilitate alert and communications with HazMat teams and all other organizations.

C. Broward County

Broward County operates within the 800 MHz Public Safety Band. The County also maintains the UHF MedCom Channels for medical communications between EMS and the hospitals.

D. Monroe County

Figure 5.3-5 details the communications system for Monroe County.

Figure 5.3-5

MONROE COUNTY EMERGENCY COMMUNICATIONS NETWORK

Any or all of the following systems may be used to communicate during a hazardous materials emergency:

Monroe County Sheriff's Office

The Monroe County Sheriff's Office operates within the 800MHz Public Safety Band.

Fire Rescue Forces

Monroe County Fire Rescue operates within the 800MHz Public Safety Band.

Key West Police Department

The Key West Police Department operates within the 800MHz Public Safety Band.

Ocean Reef Public Safety

The Ocean Reef Public Safety Department operates within the 800MHz Public Safety Band.

Hospital/Emergency Ambulance Radio

Monroe County maintains the UHF MedCom Channels for medical communications between EMS and the hospitals, per F.S. 401.

Maritime Radio (Channels 16, 22 Alpha, and 9)

Maritime Radio aids small craft during evacuation of waterways and is used to coordinate with marina operators and the U.S. Coast Guard.

NOAA Weather Radio (162.550 MHz)

NOAA Weather Radio provides emergency evacuation information through an agreement with state and local government.

Commercial Telephone (Cellular Phone)

Commercial telephone service is available at the Monroe County EOC, MCSO Dispatch and can be used as an alternate system. The County Fire/Rescue services now carry cellular phones.

Hard Copy Transmission System

A high-speed facsimile system is in place in the EOC to transmit and receive hard copy of information pertaining to the emergency. This back-up communications system will be used to verify verbal information received and transmitted through other communications systems.

6. PUBLIC INFORMATION AND EDUCATION

6.1 General

This section provides guidance for keeping the public informed about potential hazards present at facilities, emergency responses required to cope with a hazardous material emergency, and protective measures that can be taken to minimize or alleviate adverse public health effects. This section also provides procedures for the timely and accurate collection, coordination, and dissemination of such information to the public.

6.2 Public Information Officer

The purpose of subsection 6.2 is to describe the methods for the coordination of emergency public notification during a response.

A. South Florida LEPC

- Public Information Officers
Public Information Officers (PIOs) are those persons authorized by their organizations to release news and background information to the media, monitor events and summarize information for distribution to responders and the media, coordinate and verify information from and within all entities, assure support with regard to timely notification to the public, and assist public information spokespersons to maintain records of news releases and public information as well as a log of events. Specific duties to be performed by PIOs include the following:
 - a. collect, edit, and release information and instructions to the media;
 - b. establish contact with wire services;
 - c. assist news media personnel in the performance of their functions, including accreditation and identification;
 - d. coordinate the release of information with facility representative and county information officer;
 - e. brief the news media as conditions warrant; and
 - f. keep concerned staffs informed through "in-house" news summary bulletins.
- Local Public Information Officer
A PIO will be appointed and serve as the official spokesperson for each county in the event of an emergency involving the release of hazardous materials which requires the activation of the County EOC. Releases of information to the news media from any local agency will be coordinated through the county PIO.
- State Public Information Officer
The Governor's Director of Communications will serve as the Public Information Officer for the Governor's Office and will operate from the State Emergency Operations Center (SEOC) or the Local Emergency Operation Center.

Emergency Support Function (ESF) 14, Public Information, serves as the primary mechanism for the dissemination of information to the general public through news and information releases. The Division of Emergency Management will act as the lead agency for ESF 14. Information will flow from the SEOC in the form of media briefings, press releases, and situation reports. Information will also flow from ESF 14 to public information personnel in local EOCs as well as FEMA/State joint information centers. A public information telephone line may be established and staff by ESF 14.

Section 6.0: Public Information and Education (Cont.)

Releases of information to the news media from any state agency will be coordinated through ESF 14. The State Division of Emergency Management will provide a Public Information Officer who will work from the local Emergency Operation Center or the SEOC, as appropriate.

- Federal Public Information Officer
When federal agency resources are used, the State PIO will coordinate public information efforts with the federal agency representative and appropriate state and local public information representatives.
- Facility Public Information Officer
The facility coordinator or designated PIO will serve as a Public Information Officer in cooperation with the local PIO and State PIO.

- B. Miami-Dade County - See SoFlaLEPC above.
- C. Broward County - See SoFlaLEPC above.
- D. Monroe County

Local Public Information Officer

The Public Information Officer (PIO) for the Monroe County Board of County Commissioners will serve as the official spokesperson for Monroe County in the event of an emergency involving the release of hazardous materials which requires the activation of the Monroe County EOC and releases of information to the news media.

6.3 Emergency News Facilities

The purpose of subsection 6.3 is to list where space will be provided for media representatives during an emergency.

- A. South Florida LEPC

The DEM Press Room is located adjacent to the State EOC in Tallahassee and serves as the primary location for news and information releases with regard to emergency actions taken by the state agencies. The DEM Press Room will be activated upon arrival of the State PIO and will provide telephones, typewriters, and copying equipment for up to twenty-five media representatives. Each county will provide space and equipment for media representatives for the dissemination of information in a different manner.

- B. Miami-Dade County

The County EOC serves as the focal point for news and information releases during a major emergency. From this location, public information staff (including technical experts from the facility, state and county) will provide news releases. Spokespersons from each organization will conduct periodic press conferences as conditions warrant. The EOC will provide space and equipment to a limited number of media representatives. The county PIO will be responsible for the overall management and coordination of media activities. The county PIO will assure adequate physical accommodations (including space and equipment), schedules for briefings, provision of background information (including press kits), notice of events such as evacuations or other noteworthy occurrences, security (to include identification procedures), and periodic update releases to wire services.

C. Broward County

- Concept of Operations
 - a. Emergency information efforts should focus on specific, event-related information.
 - b. A special effort should be made to report positive information about emergency response efforts to reassure citizens that the situation is under control.
 - c. Rumor control should be emphasized.
 - d. The Emergency Alert System (EAS) will be activated and broadcast emergency information to local government and the news media.
 - e. A news media spokesperson should be appointed by the IC who will be responsible for on-site dissemination of information to the broadcast media and the press. All other on-site personnel should be prohibited from responding directly to the broadcast media/press; should refer all inquiries from said media/press representative to the appointed spokesperson.
 - f. The press briefing area will be in a safe location in the cold zone and will be in such a location that it will not interfere with field operations.
 - g. The spokesperson shall gather information from the various agencies with expertise on the scene and condense it to a single public announcement.
 - h. Information regarding a danger to citizens in the immediate area of the accident shall be released immediately to:
 - The media; and
 - The local government representative; and
 - Law enforcement command personnel; and
 - EMS command personnel.
 - i. In the event of an evacuation order, the IC, through the appointed spokesperson, shall warn:
 - All citizens in the area, by means of the media, or house-to-house notification by law enforcement officers, fire fighters, emergency management personnel, volunteers, etc. not actively engaged in the emergency operation.
 - j. The spokesperson will announce the locations of the Community Refuges that have been opened by the American Red Cross and the location of bus pickup points.
 - k. The spokesperson shall also disseminate to the media:
 - Lifesaving information essential to survival, health and safety within the disaster area; and
 - Recovery and mitigation information.
- EOC Activation
 - a. In the event that the EOC is activated due to a major HAZMAT incident, a "press room" will be established in the Press Room at the EOC located at 201 N.W. 84th Avenue, Plantation, Florida, 33324 to accommodate representatives of the news media who will inevitably provide coverage on the County EOC in time of disaster. Copies of county emergency releases, transmitted over the electronic warning and information system, will also be distributed in the "press room". The Emergency PIO will arrange for periodic situation briefings in the "press room". Either the County Administrator or the PIO will participate in these briefings. All other EOC staff shall not, unless authorized by the County Administrator, respond directly to inquiries from the broadcast media/press; should refer all inquiries to the Public Information Officer.

Section 6.0: Public Information and Education (Cont.)

- b. The most expeditious method of promulgating emergency information to the public is through the broadcast media. County releases will be transmitted to radio and television stations, via the electronic warning and electronic system, with requests for verbatim rebroadcast.
- c. Provision of post-emergency information to the public is essential to facilitate recovery operations and for the continued safety, health, and wellbeing of the population. The public must be provided instructions designed to preclude their hindrance of cleanup operations, instructions on avoidance of hazards to health and safety, and instructions on where and how to receive assistance; when reentry into the evacuated area will be permitted.
- d. The Broward County PIO will assist and coordinate news releases with the local jurisdiction in which the HAZMAT incident has occurred.
- e. The Broward County PIO will assist the state and/or the federal PIOs who may be present due to the provision of state and/or federal assistance.

Some emergencies may cause power outages and broadcast media failures, electronic pulse effects, or both. When this happens, the standard sources of warning, such as radio and television, will not be available. Therefore, alternative methods of communicating emergency related information to the endangered public must be implemented by the IC and law enforcement agencies.

D. Monroe County

The Media Room will be activated along with the County Emergency Operations Center (EOC) by MCEM and will provide space and equipment to a limited number of media representatives and serve as the focal point for news and information releases during a major emergency. From this location, public information staff (including technical experts from the facility, state and county) will provide news releases. Spokespersons from each organization will conduct periodic press conferences as conditions warrant.

The County PIO will be responsible for the overall management and coordination of media activities. The County PIO will assure adequate physical accommodations (including space and equipment), schedules for briefings, provision of background information (including press kits), notice of events such as evacuations or other noteworthy occurrences, security (to include identification procedures), and periodic update releases to wire services.

6.4 Coordination of Media Releases

The purpose of subsection 6.4 is to describe how the dissemination of information to the news media and public will be coordinated.

A. South Florida LEPC

As stated above, the EOC is the focal point for news releases during a hazardous materials incident in each county. The dissemination of information to the news media and public will be coordinated by the PIOs from the county, facility and state. Each PIO will collect, from their respective personnel in emergency response operations, information regarding emergency operations and recommended protective actions. Upon verification of information, the PIOs will develop a coordinated news release for approval by appropriate decision makers. Sample media releases are included in Figures 6.4-1 through 6.4-7.

Section 6.0: Public Information and Education (Cont.)

- B. Miami-Dade County - See SoFlaLEPC above.
- C. Broward County - See SoFlaLEPC above.
- D. Monroe County - See SoFlaLEPC above.

6.5 Rumor Control

The purpose of subsection 6.5 is to describe procedures for answering public inquiries. Rumor control is managed on a county by county basis.

- A. South Florida LEPC
Each county in the District has different procedures for managing rumor control. These procedures are described below for each county.
- B. Miami-Dade County
The Miami-Dade County Contact Center (3-1-1) stands ready to answer public inquiries and to assess public attitudes during a major hazardous materials incident. Fifteen to thirty telephone lines are available and will be staffed by county personnel and/or volunteers. When the rumor control function is mobilized, a Liaison between the OEM/EOC and 3-1-1 is established for purposes of coordinating public messaging needs.
- C. Broward County
In the event that the EOC is activated due to a major HAZMAT incident, a "press room" will be established in the EOC. Upon authorization of the County Administrator, the Telephone (Citizens) Information Bank will be activated for rumor control purposes.
- D. Monroe County
An Emergency Information Hotline may be activated to answer public inquiries and to assess public attitudes during a hazardous materials incident. Ten telephone lines are available and will be staffed by county personnel and/or volunteers registered with MCEM. The Emergency Information Hotline number is 800-955-5504.

6.6 Public Education and Availability of Records

The purpose of this subsection is to describe the methods used by local governments and the LEPC, prior to emergencies, for educating the public about possible emergencies and planned protective measures. Furthermore, procedures for accessing public documents kept by the LEPC are discussed.

- A. South Florida LEPC
 - 1. Introduction
Public awareness and education programs provide an understanding of individual responsibilities, actions and duties when disaster preparedness plans are placed into operation. Public actions may be directed through public information during the period before a disaster is imminent, in an actual or threatening emergency situation, and in the post-emergency recovery period.

Figure 6.4-1

MEDIA RELEASE A: Alert - No Protective Action

The _____ Division of Emergency Management received a report that

has occurred. It has been determined that no protective actions are required to ensure and maintain public health and safety.

The Office of Emergency Management will continuously monitor and assess the situation to confirm earlier reports. As monitoring results become available, protective actions may be recommended as needed.

NOTE TO CORRESPONDENTS:

This message has been issued by authority of the Board of _____ Commissioners. Additional information may be obtained

from _____

Date/Time of issue: _____

Issued by: _____

Figure 6.4-2

MEDIA RELEASE B: In-Place Shelter Notice

The Board of _____ County Commissioners has declared an emergency situation in the vicinity of _____. This is a warning to all residents within a _____ mile radius of the _____. You are advised to seek shelter immediately; go indoors...close windows and doors...turn off air conditioners and fans. Stay inside until you receive further instructions. There has been a release of hazardous materials. To avoid exposure, seek shelter immediately indoors...close windows and doors...turn off air conditioners and fans. Evacuation has not been recommended at this time. Keep your radios and television on for additional information.

NOTE TO CORRESPONDENTS:

This message has been issued by authority of the Board of _____ County Commissioners. Additional information may be obtained from

Date/Time of issue: _____

Issued by: _____

Figure 6.4-3

MEDIA RELEASE C: Evacuation Preparation

The Board of _____ County Commissioners has declared an emergency situation in the vicinity of _____

Should the decision be made to evacuate your area, you should plan to be away from your home for _____ or less. You should now begin thinking about where you would stay and the necessities you may wish to take with you.

You should review any evacuation instructions on hand which may have previously been supplied by local officials. This station will broadcast instructions if evacuation is ordered.

The following items are recommended as evacuation supplies:

1. Two (2) blankets per person, or a sleeping bag.
2. Change of clothing.
3. Important papers (checkbook, etc.)
4. Medicine, particularly special medication.
5. Toilet articles.

We repeat that evacuation has not yet been recommended. These are only preparatory instructions.

NOTE TO CORRESPONDENTS:

This message has been issued by authority of the Board of _____ County Commissioners. Additional information may be obtained from

Date/Time of issue: _____

Issued by: _____

Figure 6.4-4

MEDIA RELEASE D: Evacuation Notice

The Board of _____ County Commissioners has issued an order directing the immediate evacuation of _____

Local emergency management authorities have begun the evacuation of this area. This evacuation order was issued in response to the reported release of hazardous materials by _____.

Persons living in the affected area should follow the instructions given below:

1. Take the following items with you:
 - a. Two (2) blankets per person, or a sleeping bag.
 - b. Change of clothing.
 - c. Important papers (checkbook, etc.)
 - d. Medicine, particularly special medication.
 - e. Toilet articles.
2. Lock your home. Turn off electricity, gas and water.
3. Go to _____. Follow the evacuation route nearest you. Do not move against traffic.
4. Time is important but move safely.
5. Persons not having transportation should notify the _____
6. Persons immediately outside of the affected area are not subject to a direct hazard; however, these persons should remain alert to any possible changes in instructions resulting from changes in wind direction or accident conditions. Stay by your radio or TV. Persons outside the affected area are also asked not to travel on or near routes being used for evacuation. These routes are:

NOTE TO CORRESPONDENTS:

This message has been issued by authority of the Board of _____ County Commissioners. Additional information may be obtained from

Date/Time of issue: _____
Issued by: _____

Figure 6.4-5

MEDIA RELEASE E: Evacuation Follow-Up

During the period of evacuation, law enforcement officers will patrol the evacuated areas to protect homes and businesses. No unauthorized persons will be allowed in the evacuated areas.

County officials will monitor the affected areas continuously. When conditions are determined safe, you will be notified to return home. Transportation will again be provided for those in need.

NOTE TO CORRESPONDENTS:

This message has been issued by authority of the Board of _____ County Commissioners.
Additional information may be obtained from:

Date/Time of Issue: _____

Issued by: _____

Figure 6.4-6

MEDIA RELEASE F: All Clear

The Board of _____ County Commissioners has announced that the emergency conditions at _____ have ended. It is now safe to return to your residence and/or business. Repeating...the emergency conditions in the area of _____ have now ended. You may return home and resume normal activities. There is no long any threat to persons in the area.

If you need additional information, you may contact _____

NOTE TO CORRESPONDENTS:

This message has been issued by authority of the Board of _____ County Commissioners. Additional information may be obtained from:

Date/Time of Issue: _____

Issued by: _____

Figure 6.4-7

MEDIA RELEASE G: School Evacuation

The Superintendent of Schools of _____ County School Board has issued an order directing the immediate evacuation of _____ School. School authorities have begun the evacuation of children to _____.

Parents of children attending _____ School are advised to pick up their children at

_____.

If you need additional information, you may contact _____

_____.

NOTE TO CORRESPONDENTS:

This message has been issued by authority of the Board of _____ County Commissioners. Additional information may be obtained from _____

_____.

Date/Time of issue: _____

Issued by: _____

Pre-disaster awareness and education programs serve to increase awareness of disaster preparedness programs, educate the public on ways to protect life and property, and inform the public of the availability of further assistance and information.

All three counties will coordinate with the Local Emergency Planning Committee and local governments to assure the provision of information and materials to advise residents and transients of appropriate protective measures during a major hazardous materials incident.

The Local Emergency Planning Committee has conducted contingency planning and Shelter-In-Place workshops for Miami-Dade, Broward and Monroe schools and is assisting them in developing contingency plans for every school.

2. Inspection of Records

Any person may have access to the public records required to be kept by the South Florida LEPC. Currently, the custodian of the records is the South Florida Regional Planning Council (SFRPC) which serves as staff to the SoFlaLEPC

a. Legal Authority

The Public Records Act, Chapter 119, Florida Statutes, states that the custodian "of public records shall permit the records to be inspected and examined by any person desiring to do so, at reasonable times, and under reasonable conditions, and under supervision by the custodian of the records. The custodian shall furnish copies of the records upon payment of fees as prescribed by law (or procedure)".

The General Counsel's office of the Division of Emergency Management (FDEM) (staff to the State Emergency Response Commission) has issued guidelines for handling public information requests under the direction of Section 301 of SARA/Title III. Section 301 specifically mandates the SERC to "establish procedures for receiving and processing requests from the public for information under Section 324, including Tier II information under Section 312." The guidelines established by the General Counsel's office elaborate on the meaning of Chapter 119, F.S., as applied to Title III. The procedures of the SFRPC will be in conformance with Chapter 119, Title III and the DCA guidelines. In brief, the guidelines state that:

- staff need not develop information that is not already present; lists or summaries that do not already exist need not be provided,
- some delay in responding to requests and some interference with other agency functions are inevitable; to reasonably accommodate the request is what is required by law,
- restrictions, such as delay in allowing someone to view records (because staff is not available to oversee) is permitted,
- a reasonable method of assigning priorities to requests or parts of requests may be used; written requests may be answered prior to verbal ones,
- vague, general and indirectly specified requests should not be second guessed by staff; a request is not effective under the Public Records Act unless it specifies one or more particular record in such a manner that each record can be located easily.

An appointment to inspect the records is always recommended.

Section 6.0: Public Information and Education (Cont.)

b. General Request Form

LEPC staff has developed a general information request form which can be mailed to individuals wishing to make a request. The form has a space to denote a facility name and which reports the individual needs, 302, 304, 311, etc. This should help alleviate the problem of vague requests and assist the individual who is not familiar with the jargon of Title III.

- Copies

Copies of any written material, except for records, shall be furnished upon request, to any person requesting them, upon payment of a fee to be established by LEPC staff within a reasonable amount of time.

3. Exempt Records

Public records, specifically exempt from disclosure by Section 324, Sara Title III, shall be subject to inspection only as stated in said section.

4. Application for Inspection of Public Records

a. Public Records

Persons requesting to receive or inspect any public SARA Title III records shall file a written application on a form to be prepared by the SFRPC (see 2. above), describing the records requested to be inspected.

b. Request for SDS Information

Any person may obtain a Safety Data Sheet (SDS) with respect to a specific facility by submitting a written request to the SFRPC describing the records requested to be inspected.

If LEPC staff does not have in their possession the SDS requested, the LEPC shall request a submission of the SDS from the owner or operator of the facility that is the subject of the request.

The owner or operator of a facility that has not submitted the SDS for a hazardous chemical present at the facility shall submit the SDS for any such hazardous chemical to the LEPC upon request. The SDS shall be submitted within thirty (30) days of the receipt of such request.

c. Request for Tier II Information

- Any person may request Tier II information (see Figure 6.6-1) with respect to a specific facility by submitting a written request to the SFRPC in accordance with the requirements of Section 312, Title III.
- Subject to Section 324, any Tier II information with respect to a specific facility in the possession of the SFRPC shall be made available to a person making a written request for such information.
- If LEPC staff does not have in their possession the Tier II information requested as described above in paragraph 3.a., the LEPC shall request a submission of the Tier II form from the owner or operator of the facility that is the subject of the request, provided that the request is from a state or local official acting in his or her official capacity; or the request is limited to hazardous chemicals present at the facility in an amount in excess of ten thousand (10,000) pounds, at any time during the preceding calendar year.

Figure 6.6-1
Tier II Form

Check if information below is identical to the information submitted last year. Reporting Period: January 1 to December 31, 20__

For Official Use Only
State Use
Date Received

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical			
Facility Identification		Maximum No. of Cooperatives: <input type="checkbox"/> Married <input type="checkbox"/> Unmarried	
Name	<input type="checkbox"/> N/A		
Street	County	City	State Zip
Latitude	Longitude	NAICS Code	Phone Number (optional)
Don & Bradstreet Number	TIR Facility ID	RMP Facility ID	
<input type="checkbox"/> N/A		<input type="checkbox"/> N/A	
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Subject to Chemical Accident Prevention under Section 112(j) of CAA (40 CFR part 68, Risk Management Program)? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Owner or Operator Information		Parent Company Information (optional)	
Name	Name Don & Bradstreet Number		
Address		Address	
Phone Number	Email	Phone Number	Email
Facility Emergency Coordinator (if applicable)		Tier II Informative Contact	
Name	Title	Name	Title
Email Address		Email Address	
Phone Number	24-hour Phone	Phone Number	24-hour Phone
Emergency Contacts			
Name	Name		
Title	Title		
Phone Number	24-hour Phone	Phone Number	24-hour Phone
Email Address		Email Address	
Certification (Read and sign after completing all sections)		Reporting Range Weight Based in pounds	
I certify, under penalty of law that I have personally examined and am familiar with the information submitted in pages one through and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.		Range Code	From To
Name and Official Title of owner/operator OR owner/operator's authorized representative		01	0 99
Signature		02	100 499
Date Signed		03	500 999
		04	1,000 4,999
		05	5,000 9,999
		06	10,000 24,999
		07	25,000 49,999
		08	50,000 74,999
		09	75,000 99,999
		10	100,000 499,999
		11	500,000 999,999
		12	1,000,000 9,999,999
		13	10,000,000 Greater than 10 million

The public reporting and recordkeeping burden for this collection of information is estimated to average 6 to 120 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2022), 1200 Pennsylvania Ave., NW, Washington, DC 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

EPA Form No. 8700-30 OMB Control No. 2050-0072 Expiration Date: 3/31/2022 Page 1 of 1

EPA Form No. 8700-30 OMB Control No. 2050-0072 Expiration Date: 3/31/2022 Page 1 of 1

Chemical Description	Physical Hazards	Health Hazards	Inventory	Type of Storage	Storage Conditions (Pressure, Temperature)	Storage Locations	Additional Reporting Information (Optional)
<input type="checkbox"/> Check if information below is identical to the information submitted last year. Chemical Name: CAS No. EHS: Yes <input type="checkbox"/> No <input type="checkbox"/> <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Trade Secret	<input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Self-reactive <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric Gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Gas under pressure (compressed gas) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Hazard Not Otherwise Classified	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Serious eye damage or eye irritation <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Simple Asphyxiant <input type="checkbox"/> Hazard Not Otherwise Classified	Maximum Amount Range Code: Average Daily Amount Range Code: No. of days on site:			Confidential: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Below Reporting Thresholds (optional) <input type="checkbox"/> State or Local Requirements
<input type="checkbox"/> Check if information below is identical to the information submitted last year. Mixture or Product Name: CAS No. <input type="checkbox"/> Not Available <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Trade Secret EHS: Yes <input type="checkbox"/> No <input type="checkbox"/> EHS(s) Name (if applicable): CAS No. Non-EHS(s) Name (optional):	<input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Self-reactive <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric Gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Gas under pressure (compressed gas) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Hazard Not Otherwise Classified	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Serious eye damage or eye irritation <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Simple Asphyxiant <input type="checkbox"/> Hazard Not Otherwise Classified	Maximum Amount (Total Mixture) Range Code: Average Daily Amount (Total Mixture) Range Code: No. of days on site: Maximum Amount of each EHS in the Mixture Range Code:			Confidential: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Below Reporting Thresholds (optional) <input type="checkbox"/> State or Local Requirements
Optional Attachments: <input type="checkbox"/> I have attached a site plan <input type="checkbox"/> I have attached a list of site coordinate abbreviations <input type="checkbox"/> I have attached a description of dikes and other safeguarded measures							

Section 6.0: Public Information and Education (Cont.)

- If the request does not meet the requirements of paragraph 3.c. above, (i.e., if the facility did not store or use in excess of ten thousand pounds of a hazardous chemical in the preceding calendar year), LEPC staff shall request that the requester include the general need for the information. The LEPC may consider the request and may pursue the information from the facility on behalf of the requester. If the LEPC does obtain the information, the SFRPC shall make the information available to the requester.
- LEPC staff shall respond to a request for Tier II information under Section 312 no later than forty-five (45) days after the date of receipt of the request pursuant to Section 312, Title III.

5. Request to Withhold Location

Upon request of an owner or operator of a facility, the official Custodian of the Records shall withhold from disclosure, pursuant to SARA Title III, Section 324, "Public Availability of Plans, Data Sheets, Forms, and Follow-up Notices," the location of any specific chemical required to be contained in an inventory form as Tier II information. Such a request by an owner or operator of a facility must be made by filing the Confidential Location Information Sheet (Form OMB No. 2050-0072).

6. Observations and Recommendations

After fourteen years of implementing the Community Right-To-Know program, the South Florida LEPC has made the following observations:

- Observations:
 - a) The LEPC receives few requests for information from citizens in the community inquiring about chemicals in their neighborhood or workplace.
 - b) Local, regional, state and federal agencies have not adequately provided educational and outreach efforts for citizens.
 - c) The level of compliance with Title III in the District is unknown.
- Recommendations:
 - a) Local, regional, state and federal agencies should make a stronger commitment to provide materials to educate the citizens in the district about their "Right-To-Know".
 - b) Local, regional, state and federal agencies should make a stronger commitment to provide materials to educate the facilities in the District about their potential need to comply with Title III.
 - c) The media should take a more active role in working with government agencies to get the word out to facilities and citizens about Title III.

- B. Miami-Dade County - See SoFlaLEPC above.
- C. Broward County - See SoFlaLEPC above.
- D. Monroe County - See SoFlaLEPC above.

7. EMERGENCY FACILITIES AND EQUIPMENT

7.1 General

This section describes the emergency response facilities, identifies supplies and equipment designated for emergency response, and identifies the key personnel and organizations that are anticipated to respond to emergencies.

7.2 Emergency Response Facilities and Personnel

The purpose of subsection 7.2 is to describe the emergency operating centers or other facilities available to the local community and the facility emergency coordinators.

A. South Florida LEPC

State Emergency Operations Center

The DEM is responsible for providing and staffing the State EOC. The SEOC is the center for coordination of state response for any major emergency. The SEOC is located at the Hurley W. Rudd Building, 2575 Shumard Oak Blvd, Tallahassee, FL 32399. During a limited emergency condition, key personnel will report to the SEOC. Upon declaration of a full emergency condition, the SEOC will be fully activated to coordinate all state operations and establish communications with involved County EOCs.

B. Miami-Dade County

• County Emergency Operations Center (EOC)

The County EOC is located at 9300 NW 41st Street, Doral, FL. The EOC is the center for overall coordination of local response to any major emergency. The EOC has auxiliary power and logistical provisions to support emergency operations.

Depending upon the magnitude of the HAZMAT incident threatening the County, the Emergency Management Director may activate the EOC and determine which staff members and organizational liaisons are required to staff it.

• On-Scene Command Post

In the event of an emergency, the first responding unit at the site may establish an On-Scene Command Post. The Incident Commander at the On-Scene Command Post will be the highest-ranking officer in the jurisdiction of the incident, and he shall coordinate and control on-scene emergency operations.

C. Broward County

While many county emergency response activities may be conducted and coordinated without the activation of the Broward County EOC, there will be disaster situations in which a more effective coordination and direction of emergency operations can be accomplished by either partial, or total mobilization of the EOC staff.

Depending upon the magnitude of the HAZMAT incident threatening Broward County, the Director of Emergency Operations (the County Administrator) may activate the EOC; determine which staff members are required to staff it. Emergency Management personnel will be notified by either by email, land or cellular telephone. Municipalities

Section 7.0: Emergency Facilities and Equipment (Cont.)

and agencies will be notified by email, land or cellular telephone, or through the County Warning Point.

It is anticipated that the EOC will be activated in all instances, when a countywide major disaster is imminent; or has occurred. The Broward County EOC is located at 201 N.W. 84th Avenue, Plantation, Florida, 33324.

- On-Scene Command Post

In the event of an emergency, the first responding unit at the site may establish an On-Scene Unified Incident Command Post. Because of the nature of most hazardous materials incidents a unified incident management system and command structure will be used. Under a unified command structure in the command post, the implementation of the action plan will be done under the direction of a single individual, the Incident Commander (IC).

D. Monroe County

County Emergency Operations Center (EOC):

Primary - Marathon Government Center 2790 Overseas Hwy., Marathon, FL

Secondary - Monroe County Government Annex 490 63rd Street, Marathon, FL

Tertiary - Tavernier Volunteer Fire Station, 151 Marine Ave., Tavernier, FL

The EOC is the center for overall coordination of local response to any major emergency. The EOC has auxiliary power and logistical provisions to support emergency operations.

It is not anticipated that the EOC will be activated during a potential emergency condition. Key county officials will report to the EOC in response to a limited emergency condition. The County EOC will be fully staffed and activated during a full emergency condition. EOC staffing may include representatives from the following:

Monroe County Board of County Commissioners

Monroe County Administrator

Monroe County Emergency Management

Monroe County Sheriff's Office

Monroe County Fire Rescue

Municipal Police Departments

Monroe County Health Department

Monroe County Fire Marshal's Office

Monroe County Public Works Department

Monroe County Social Services Department

Monroe County School Board

Facility Owner/Operator

American Red Cross

Florida Department of Health in Monroe County

Florida Department of Environmental Protection

Florida Highway Patrol

Florida Wildlife Conservation

U.S. Coast Guard

On Scene Command Post

Section 7.0: Emergency Facilities and Equipment (Cont.)

The ranking fire officer on scene will act as the Incident Commander (IC) and direct the local on-scene operations and coordinate the efforts of all agencies involved in on-site emergency-operations related to the incident. He will act through respective agency representatives who will maintain control over their respective forces.

Because of the nature of most hazardous materials incidents a unified incident management system and command structure will be used. Under a unified command structure in the command post, the implementation of the action plan will be done under the direction of a single individual, the Incident Commander (IC).

7.3 Equipment and Resources

As a result of September 11, 2001 tragedy, the HazMat teams in Miami-Dade and Broward Counties have enhanced their detection and operational capabilities as a result of having received various federal grants.

The purpose of subsection 7.3 is to list the resources that will be needed, and where the equipment and vehicles are located and can be obtained.

A. South Florida LEPC

Each county has a different supply of available equipment and resources. The following is a list of the hazardous materials emergency response teams in the district:

Miami-Dade County

Miami-Dade Fire Rescue
City of Miami
City of Hialeah

Broward County

Broward Sheriff's Office Fire Rescue
City of Ft. Lauderdale
City of Hollywood
City of Sunrise

To learn who would respond to an incident in any given part of the district, see Mutual Aid, Section 1.6. Figure 7.3.1 is a list of private contractors who may be also called upon to assist in immediate response and/or long-term remediation of a site.

- **Other Technical Support**

CHEMTREC- The Chemical Transportation Emergency Center (CHEMTREC) is operated by the Chemical Manufacturers Association. It provides information and/or assistance to emergency responders. CHEMTREC will contact the shipper or producer of the material to obtain detailed information or on-scene assistance. The CHEMTREC telephone number is 1-(800) 424-9300.

The Florida Department of Health (FDOH)- FDOH has public health laboratories in Jacksonville, Tampa, and Miami. The laboratories provide diagnostic, reference, emergency and research public health laboratory services to county public health units, DOH program components, physicians, hospitals and private laboratories.

OHM-TADS - The Oil and Hazardous Materials Technical Assistance Data Systems (OHM-TADS) is a collection of interactive computer programs which can provide the necessary technical support for the assessment of potential or actual dangers encountered as a result of the release of a hazardous substance. OHM-TADS can be accessed at the ten EPA regional offices, EPA headquarters in Washington, and the Coast Guard Marine Safety Offices. OHM-TADS can provide either information on

Section 7.0: Emergency Facilities and Equipment (Cont.)

specifically requested properties of a material or can print all the information in its files for that material.

Manufacturer's Technical Bulletins - Manufacturer's technical bulletins are the best single source of general information about the chemical in question. They also contain the most recent data about the chemical.

Prior to allowing public access to potentially contaminated areas, the lead environmental agency, assisted by other environmental agencies (federal, state and county) will evaluate the environmental conditions in the affected areas by conducting direct measurements and collecting environmental samples for laboratory analysis. Environmental sampling will proceed from the perimeter of affected areas to the interior.

Laboratory analysis of collected samples may be performed by any agencies identified in (FIG. 7.3-1 and 7.3-2).

B. Miami-Dade County

- Equipment
All Miami-Dade County and municipal hazardous materials teams maintain equipment which will be used in response to emergencies involving the release or spill of hazardous materials.
- Laboratory Analytical Support
The RER county environmental laboratory maintains the capacity for chemical analysis of a variety of sample types and parameters. The director of RER may mobilize the laboratory for analytical support as needed in emergency situations.

The Florida Department of Health in Miami-Dade County supports the general laboratory and analytical needs of emergency operations in the event of a major hazardous material release or spill.

The Miami-Dade Police Department's crime lab and water treatment plants throughout the county may also be called upon to provide laboratory and analytical support as needed.

In the event that the need for laboratory and analytical support exceeds the capability of county resources, private contractors may be called upon for laboratory and analytical support. A list of available local private contractors and their capabilities is provided in Figure 7.3.1.

The Department of Environmental Protection (DEP) has arranged with private response contractors located throughout Florida to provide response personnel and equipment, including mobile analytical laboratories for major chemical releases which occur in inland areas of the state. DEP has similar arrangements with private response contractors located throughout Florida, to provide response personnel and equipment, including mobile laboratories for major chemical releases which occur in coastal and navigable waters.

Section 7.0: Emergency Facilities and Equipment (Cont.)

Facilities responsible for the release often have the specialized equipment for monitoring purposes. Air, water and soil samples may be collected and taken to the facility's laboratory for analysis with sophisticated analytical instruments.

C. Broward County

- Fire Services Resources

All Miami-Dade County and municipal hazardous materials teams maintain equipment which will be used in response to emergencies involving the release or spill of hazardous materials.

- Chain and Analytical Support

Prior to allowing public access to potentially contaminated areas, the lead environmental agency, assisted by other environmental agencies (federal, state and county) will evaluate the environmental conditions in the affected areas by conducting direct measurements and collecting environmental samples for laboratory analysis. Environmental sampling will proceed from the perimeter of affected areas to the interior.

Laboratory analysis of collected samples may be performed by the EPGMD, by any agencies identified in Section I, Chapter 2, Section XIII, or by independent contractors made available by the DEP.

Figure 7.3-1

**SOUTH FLORIDA COMMERCIAL LABORATORIES
FOR CHEMICAL ANALYSES**

Everglades Laboratories, Inc.
1602 Claire Avenue, West Palm Beach, FL 33401
(561)833-4200 - www.evergladeslabs.com

Florida Spectrum Environmental Services, Inc.
1460 West McNab Road, Fort Lauderdale, FL 33309
(954)978-6400 - www.flenviro.com

Pace Analytical Miami Lakes Service Center
6175 NW 153rd Street, Suite 101, Miami Lakes, FL 33014
(305)824-3939 - www.pacelaabs.com/company/lab-results/miami-lakes-fl.html

Pace Analytical Pompano Beach Laboratory
3610 Park Central Blvd, North Pompano Beach, FL 33064
(954)582-4300 - www.pacelabs.com/company/lab-results/pompano-beach-fl.html

TestAmerica Service Center - Fort Lauderdale
6301 NW 5th Way, Fort Lauderdale, FL 33309
(954)809-5580 - www.testamerica.com

Jupiter Environmental Laboratories
150 S. Old Dixie Highway, Jupiter, FL 33458
(888)287-3218 - www.jupiterlabs.com

EMSL Analytical, Inc.
19501 NE 10th Avenue, North Miami Beach, FL 33179 (305)650-0577
2700 West Cypress Creek Road, Suite C108, Fort Lauderdale, FL 33309 (954)786-9331
www.emsl.com

Eurofins EMLab P&K
6301 NW 5th Way, Fort Lauderdale, FL 33309
(866)871-1984 - www.emlab.com

Figure 7.3-2

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTH FLORIDA CURRENTLY REGISTERED HAZWASTE TRANSPORTERS

MIAMI-DADE COUNTY

Advance Medical Sanitation Inc.
3387 NW 151st Terrace
Miami Gardens, FL
(954)447-8999

Associated Waste Services
5951 NW 151st Street, Suite 205
Miami Lakes, FL

Associated Waste Services
8282 NW 56th Street
Doral, FL

Chem Clean Corp
2356 80th Street, Suite 1
Hialeah, FL
(305)863-7807

Chem Clean Corp
9330 NW 100th Street
Medley, FL
(305)863-7807

Cliff Berry - Miami Terminal
3033 NW North River Drive
Miami, FL
(954)763-3390

Doctor Battery Inc.
9900 NW 79th Avenue
Miami Lakes, FL
(305)887-1823

Healthcare Environmental Services LLC
8545 NW 68th Street
Miami, FL
(305)436-0422

Section 7.0: Emergency Facilities and Equipment (Cont.)

JJ Metal Services
2300 W 80th Street Bay 2
Hialeah, FL
(786)231-4417

Karmi Environmental LLC
8470 NW 68th Street
Miami, FL
(305)477-7497

Pantropic Power, Inc.
8205 NW 38th Street
Doral, FL
(305)592-4944

Raider Environmental Services
4103 NW 132nd Street
Opa-Locka, FL
(305)994-9949

Safety-Kleen Systems Inc.
8755 NW 95th Street
Medley, FL
(561)523-4719

Sterytec LLC
8053 NW 64th Street
Miami, FL
(305)501-2012

TG Oil Services Inc.
7815 W 2nd Court, Unit 7
Hialeah, FL

BROWARD COUNTY

Clean Fuels of Florida Inc.
2635 NE 4th Avenue
Pompano Beach, FL
(954)91-9588

Cleanpro Enviro Solutions LLC
17302 Pines Blvd.
Pembroke Pines, FL

Cliff Berry Inc - Port Everglades Facility
3400 SE 9th Avenue
Fort Lauderdale, FL
(954)763-3390

Section 7.0: Emergency Facilities and Equipment (Cont.)

Crowley Liner Services
4300 Mcintosh Road
Fort Lauderdale, FL
(305)470-4087

Drew Fuel Services Inc.
4101 Ravenswood Road, Suite 309
Fort Lauderdale, FL
(954)306-6853

Drew Fuel Services Inc.
1862 NW 21st Street
Pompano Beach, FL
(954)306-6853

Dynamic Enviro Inc.
1580 SE 25th Street
Fort Lauderdale, FL
(954)849-9603

Emvac USA LLC
8500 W McNab Road
North Lauderdale, FL
(954)531-8093

Exquisite Mobile Oil Change and Wash
5200 Mayo Street
Hollywood, FL
(754)235-5923

Heritage Crystal-Clean LLC
1300 NE 48th Street
Pompano Beach, FL
(847)783-5355

NRC Gulf Environmental Services Inc.
6900 NW 12th Avenue
Fort Lauderdale, FL
(813)241-0282

Supreme Fuel
850 SW 21st Terrace
Fort Lauderdale, FL

Trilogy Medwaste Southeast LLC
2635 NE 4th Avenue, Suite 1
Pompano Beach, FL
(713)205-7233

Section 7.0: Emergency Facilities and Equipment (Cont.)

Triumvirate Environmental Services Inc.
3670 SW 47th Avenue
Davie, FL
(407)859-4441

World Petroleum Corp
3650 SW 47th Avenue
Davie, FL
(954)327-0724

MONROE COUNTY

Waste Management Inc. of Florida
143 Toppino Industrial Drive
Key West, FL
(954)557-0581

Section 7.0: Emergency Facilities and Equipment (Cont.)

D. Monroe County

- Equipment

The Monroe County and Municipal Fire/Rescue Departments have the following equipment which would be placed on a primary hazardous material response unit to be used in response to emergencies involving the release of hazardous materials:

Air masks and tanks (SCBA)	Hand tools (assorted)
Portable hand-held radios	Resource manuals (assorted)
Combustible gas detectors	Area maps (assorted)

Public Works

Recovery drums
85 gallon drum
55 gallon drum

In support of county emergency operations, each of the facilities subject to the requirements of SARA/Title III should maintain the following emergency equipment (if applicable):

Foam (protein, AFFF and alcohol)	Area maps
Nozzles and educators	Ladders, hose, forcible entry tools
Reference books	Gas detectors
Minimum of 2 proximity/entry suits	Recovery drums, brooms, shovels
Assorted hand tools	Absorbent material
Plug and patch kits	Spare valves, fittings, etc.
pH meter or tape	Piping materials, drains (PNC pipe)
Explosive gas meter	Chlorine kit(s)
Windsock	Safety valve protectors
SCBA and spare tanks	Paper, tags, pencils, grease pens, shipping tags, etc.
Radio (CB, fire or police)	

- Laboratory Analytical Support

The Department of Environmental Protection (DEP) has arranged with private response contractors located throughout Florida to provide response personnel and equipment, including mobile analytical laboratories for major chemical releases which occur in inland areas of the state. DEP has similar arrangements with private response contractors located throughout Florida, to provide response personnel and equipment, including mobile laboratories for major chemical releases which occur in coastal and navigable waters.

Facilities responsible for the release often have the specialized equipment for monitoring purposes. Air, water and soil samples may be collected and taken to the facility's laboratory for analysis with sophisticated analytical instruments.

8. ACCIDENT ASSESSMENT

8.1 General

This section describes responsibilities and procedures for assessing the offsite impacts of an emergency involving the release or spill of hazardous materials and its effects on the health and wellbeing of the residents and visitors to the district.

8.2 Initial Assessment

The purpose of subsection 8.2 is to describe who is responsible for coordinating and assessing the immediate impacts and reporting the hazardous materials incident.

A. South Florida LEPC

The initial accident assessment will be performed by the facility owner/operator as soon as possible after the accident. The results of the assessment will be reported immediately to local and state emergency response organizations in accordance with Section 4.0 of this plan. Until the arrival of offsite emergency response personnel, the facility owner/operator will assess actual and potential offsite consequences and provide the results of this assessment to the appropriate county 24-hour warning point and the State Watch Office.

Upon arrival by offsite emergency personnel, the responsibility for assessing the impact or potential impact of a release or spill will be assumed by the lead local agency. This may be the designated Incident Commander operating from an on-scene command post, or the director of the County Division of Emergency Management, operating from the EOC. (See Section 2 of this plan)

The lead agency's assessment should include, but is not limited to the following:

- identification of the nature, amount and location of released materials;
- evaluation by the County Health Department (or State Department of Health) of the threat to human health;
- identification of potentially responsible party(ies);
- determination of probable direction and time of travel for released materials;
- identification of possible exposure pathways for humans and the environment;
- identification of potential impacts on human health and safety, the environment, natural resources and property; and
- identification of priorities for protected public health, safety and the environment.

B. Miami-Dade County See SoFlaLEPC above.

C. Broward County See SoFlaLEPC above.

D. Monroe County See SoFlaLEPC above.

8.3 Assessment and Monitoring

The purpose of subsection 8.3 is to describe methods in place in the community and/or each of the affected facilities for assessing and monitoring the effects of the release.

A. South Florida LEPC

Each county has their own procedures for monitoring the effects of a hazardous materials incident in the event of a release. These procedures are described below per county.

B. Miami-Dade County

- Resources and Capabilities

Assessment and monitoring within the vulnerable zone surrounding the facility from which hazardous materials were released or spilled will be provided by the RER. Additional assistance and support in assessing the environmental and public health consequences of a release of hazardous materials from the DEP and DOH-Miami-Dade, respectively. Miami-Dade Fire Rescue and Miami-Dade Regulatory and Economic Resources will maintain a current listing of local, state, federal and private resources capable of assessing and monitoring the effects of a hazardous materials release.

- Activation of Field Teams

The activation of field teams follows established ICS guidelines. The Incident Commander (IC) rapidly assesses the potential risks and the resources required during a hazmat incident. Miami-Dade Fire-Rescue HazMat Bureau, Miami-Dade Emergency Management, Miami-Dade RER and facility representatives coordinate and cooperate with the IC and participate as needed.

- Coordination of Assessment and Monitoring Activities

The mission of the RER in conjunction with local HazMat teams in the event of a hazardous materials emergency will be to:

- a. Evaluate the potential exposure projections to persons offsite, which may result from the emergency.
- b. Make recommendations to the IC regarding appropriate protective actions.
- c. Evaluate potential exposure resulting from contamination of materials in the vulnerable zone surrounding the facility.
- d. Evaluate exposure to emergency personnel resulting from operations related to the emergency.
- e. Establish appropriate operational dose limits and maintain permanent records of dose received.
- f. Evaluate exposure and appropriate limits for recovery, reentry and post-accident operation.

When assessment and monitoring personnel reach their assigned location, accident assessment will be based on field monitoring results, the current meteorological conditions, facility condition, facility prognosis and any other relevant information.

Data collected in the field will be transmitted to the IC to be evaluated by the director of RER. These evaluations will be provided to the IC at the EOC for use in decision-making, and as a basis for recommendations for protective actions. Summaries and recommended protective actions will be forwarded to the State EOC and surrounding counties.

Monitoring of the affected area(s) and recommendations of protective actions will continue until exposure levels have decreased to the point that recovery and reentry are considered safe.

- Additional Assessment and Monitoring Support
When it is determined that a hazardous materials emergency cannot be adequately controlled with resources available to Miami-Dade County response personnel, a request will be forwarded to the State Watch Office for the additional resources needed. The request will contain the following information:
 - a. Description of the problem.
 - b. Type of resources needed.
 - c. Location for the delivery of resources.
 - d. Directions to assembly point or point of delivery.
 - e. Estimation of time the resources will be needed.
 - f. Resource requirements for personnel.

If the Governor concurs with the need for assistance as requested, he will direct the Florida DEM to locate the resources and request the specified assistance. If it is determined that the requested assistance is not available at the state level, the Governor may request federal assistance through the appropriate federal agency.

C. Broward County

The Environmental Protection & Growth Management Department responds to hazardous materials events and has the capability of monitoring air quality for certain specific agents. If an incident involves an agent with public health implications, the Broward County Health Department is the lead agency. However, they do not have any detection equipment and if the needs go beyond the resources within the County, they may have to coordinate with other State and Federal assets.

Broward County has four hazardous materials teams, all of which have certain detection and monitoring capability. The Incident Commander may, through existing mutual aid agreements, request the use of any assets within the County, including the deployment of all of the HazMat Teams. Each fire department has policies regarding the monitoring of health of their personnel following the Federal Guidelines for Hazardous Materials Site Operations. Specific health monitoring for all hazardous materials team members is required on a biannual basis.

- Concept of Operations
 - a. The IC will have a representative at the Agency Response Area (ARA) who will serve as a liaison between the IC and the responding agencies. All personnel and equipment responding to the incident will report to the Access Control Coordination Point, where they will check in. Command personnel will report to the ARA after their equipment is positioned in the staging area. When their mission is completed, they will check out through the ACCP.
 - b. The ACCP officer will maintain a log of all personnel reporting to the scene. The log will contain a minimum of information.
 1. Name of individual; and
 2. Agency name; and
 3. Phone number of agency; and
 4. Entry time; and
 5. Exit time.
 - c. The only exception to the above procedure will be fire apparatus. They will be able to enter the scene from any area after they receive clearance from the IC or the staging officer (SO).
 - d. Law enforcement personnel on the security perimeter will direct any personnel or equipment trying to enter the scene to the ACCP.
 - e. All agencies required for the mitigation and clean-up will report to the ACCP, proceed to the staging area and position their vehicles. Command staff will report to the SO who will be located in the ARA. When committed to the mitigation process, each agency will keep one person at the ARA. This person will provide the communications link between the agency and the IC. This will improve the IC's ability to rapidly withdraw personnel if the situation deteriorates.
 - f. Should there be a need to enter the scene from a point other than the ACCP, the SO will notify the law enforcement representative at the ACCP. The law enforcement representative will contact his personnel at the selected point of entry on the security perimeter. He will give them the agency's name, the number of people entering the area, and their ETA. When the agency arrives at the selected point, they will check in with the officer at that point. The entry time will be communicated to the ACCP for logging. When the personnel leave the area, their exit will be logged at the point of exit and/or the ACCP.
 - g. All personnel working in the hot zone (HZ) shall wear all of the required protective clothing and equipment that is necessary to safely handle the product. The IC will use the Coast Guard CHRIS manual and other reference materials to help determine what level of protection is called for.
 - h. All personnel leaving the HZ shall exit through the Decontamination Area.
- Environmental Analysis

Prior to allowing public access to potentially contaminated areas, the lead environmental agency, assisted by other environmental agencies (federal, state and county), will evaluate the environmental conditions in the affected areas by conducting direct measurements and collecting environmental samples for laboratory analysis. Environmental sampling will proceed from the perimeter of affected areas to the interior.

Laboratory analysis of collected samples may be performed by the EPGMD, by any agencies identified in Section I, Chapter 2, Section XIII, or by independent contractors made available by the DEP.

- Hazardous Materials Safety Considerations
 - a. Hazardous material incidents present unusual threats that may result in immediate injury, such as burns from a flash of fire or long-term injury, such as an unexpected illness in the future caused by a brief exposure to poisons. The severity of harm from exposure to a hazardous material depends not only on the composition and basic properties but also on:
 - 1) The dosage; and
 - 2) Method of contact;
 - 3) Conditions of exposure.Special emphasis must be placed on ensuring that the contents in a container are not different than what is indicated on the container. Positive identification of the products involved is essential.
 - b. Safe operation at a hazardous materials incident must begin with a positive attitude that is created at the supervisory level, understood at the company level, and practiced by everyone at the incident. If the IC begins an operation with an unsafe attitude, agencies operating at the scene will follow this lead. Persons on the scene who do not operate safely are a threat to the welfare of everyone.
 - c. Controlling safe attitudes at a hazardous materials incident is best done by controlling the scene and its perimeter.
 - d. Full protective equipment and clothing should be the minimum protection for all personnel who are at the incident. This rule should be strictly enforced, especially when the class of hazardous materials is unknown, the approach to the incident is upwind, or harmful effects are obvious (for example, there are victims down or there is discoloration of surroundings).
 - e. In some cases, conventional firefighter gear is insufficient. For example, corrosives can eat away turnout coats in one or two minutes. In these cases, clothing specially designed to protect against a specific hazard is needed. Vinyl or rubber acid suits will be required, for example, when operating in corrosive atmospheres, concentrated anhydrous ammonia, and some types of poisons.
 - f. Through the Incident Commander a variety of activities can be coordinated by emergency and support personnel to improve the general safety conditions.
 - g. A plan for operations is critical for safety. Development of this plan will determine objectives; determine if proper tools are available for plugging or controlling a spill and reduce exposure time of personnel at the incident.

D. Monroe County

County and municipal Fire-Rescue Departments will exercise broad lawful authority, within existing capabilities, to protect life and property threatened by hazardous materials incidents, to include ordering evacuations, in-place sheltering and necessary actions to contain the spill or release.

Section 8.0: Accident Assessment (Cont.)

- Concept of Operations

County and municipal Fire-Rescue Departments will retain the role of Incident Commander (IC) until the immediate threat to public safety is abated. Thereupon, the on-scene IC will normally be turned over to the Responsible Party who has primary responsibility for cleanup.

Monroe County Sheriff's Office and/or Monroe County Fire-Rescue first responders will secure the accident/incident scene initially. Since the teams are trained in "awareness" levels only, advanced levels of HazMat assessment or intervention will not be applied.

The Monroe County Fire Marshal's Office inspects and monitors extremely hazardous substances (EHS) countywide and documents typical transportation routes. Fire Marshal personnel will be dispatched to the scene to assist with scene control, CAMEO/ALOHA/ARCHIE operations and to access additional resources.

The lead response agencies and responsibilities are as follows:

- Monroe County Fire-Rescue
Scene control, safety, evacuation
- Monroe County Fire Marshal
Release assessment, scene command coordination and control, risk analysis, safety procedures and evacuation implementation
- Monroe County Sheriff's Office
Scene security, evacuation
- Florida Highway Patrol
Traffic control
- Florida Wildlife Conservation Commission
Waterway security, environmental assessment
- U.S. Coast Guard
Waterway security, environmental assessment, control of spills and cleanup oversight
- Florida Department of Environmental Protection
Spill/release response, coordination of containment and cleanup procedures

- Resources and Capabilities

Monroe County does not have HazMat trained and equipped response teams with entry and decontamination capabilities. All advanced HazMat resources will be provided by neighboring HazMat Teams, specifically Miami-Dade Fire-Rescue, Key West Fire Department and NAS Key West.

Monroe County has three medical facilities that would be performing decontamination procedures, if necessary:

Lower Keys Medical Center 5900 College Road Key West, FL 33040	Fishermen's Community Hospital 3301 Overseas Hwy Marathon, FL 33050	Mariner's Hospital 91500 Overseas Hwy Tavernier, FL 33070
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Section 8.0: Accident Assessment (Cont.)

Radiological monitoring equipment is located at the Key Largo Fire Station #25 at Mile Marker 106, Tavernier Fire Department Station #22 at Mile Marker 92 and Ocean Reef Public Safety, 110 Anchor Drive, North Key Largo, FL 33037. Personnel from these stations are trained in its use, based on their proximity to the Turkey Point Nuclear Power Plant.

9. EXPOSURE CONTROL FOR EMERGENCY WORKERS

9.1 General

This section establishes the means and responsibilities for controlling hazardous materials exposure to emergency workers. Local emergency response organizations will limit exposure to emergency workers by:

1. Limiting the amount of time spent in hazardous areas;
2. Limiting entry into hazardous areas to the maximum extent possible; and
3. Using protective clothing and equipment.

Because they are frequently the first on the scene, firefighters and law enforcement personnel should use proper safety precautions when approaching a hazardous materials incident. First response personnel should have copies of the U.S. Department of Transportation's Hazardous Materials Emergency Response Guidebook and should know how to find and interpret shipping manifests.

9.2 Exposure Monitoring

The purpose of subsection 9.2 is to describe procedures for monitoring the exposure of response personnel, citizens at large, and food and water supplies to extremely hazardous substances after a release.

A. South Florida LEPC

- Exposure Assessment and Responses

After notification that a release has occurred, it is crucial to monitor and assess its impact, both on-site and off. A detailed log of all sampling results should be maintained, and health officials should be kept informed of the situation. Decisions about response personnel safety, citizen protection, and use of food and water in the area will depend upon an accurate assessment of spill or plume movement and concentration.

Both initial and periodic monitoring is required at hazardous materials incidents. Initial monitoring must be conducted to identify any immediate dangers to life or health (IDLH) concentrations or other dangerous situations, such as the presence of flammable atmospheres, oxygen-deficient environments, and toxic contaminants. Once chemicals have been identified, standard information sources such as NIOSH Pocket Guide to Chemical Hazards and CHEMTREC (Chemical Transportation Emergency Center) should be consulted to identify potential hazards, recommended exposure limits (RELs), permissible exposure limits (PELs), emergency action, personal protective equipment, and first aid procedures. SDSs should be consulted for information including manufacturer's name, chemical synonyms, trade name, chemical family, hazardous ingredients, physical data, fire and explosion hazard data, health hazards, reactivity data, spill or leak procedures, special precautions, and special protection information.

Local governments should institute a medical surveillance program for all emergency workers who are or may be exposed to hazardous substances or health hazards above the established RELs for 30 or more days in a 12-month

Section 9.0: Exposure Control for Emergency Workers (Cont.)

period, or who wear respirators 30 days or more a year. Medical examinations must be available for all emergency workers who may have been exposed to concentrations of hazardous substances above the recommended exposure limits. An accurate record of medical surveillance must be retained.

- EPA Levels of Protection

Based on the results of the preliminary evaluation, personal protective equipment must be selected and used. The selection process is aided by consulting the Department of Transportation's Hazardous Materials Emergency Response Guidebook and CHEMTREC. No single combination of protective equipment and clothing is capable of protecting against all hazards. Generally, the greater the level of personal protective equipment used, the greater the risk to the worker from such hazards as heat stress, physical and psychological stress, impaired vision, mobility and communication. Therefore, equipment should be selected that provides an adequate level of protection, but not over-protection.

The U.S. Environmental Protection Agency (EPA) has identified four levels of protection of emergency workers. Level A (Chemical Protective Clothing and Equipment) will protect the wearer against the specific hazard for which it was designed. The special clothing may afford protection only for certain chemicals and may be penetrated by chemicals for which it was not designed. Do not assume any protective clothing is fire resistant unless it is specifically stated by the manufacturer. Full-encapsulated protective clothing (cocoon) can be used for no-fire spills and leaks requiring evacuation of people but offer little or no thermal protection.

Level A Recommended Personal Protective Equipment includes:

1. Pressure-demand, full facepiece self-contained breathing apparatus (SCBA) or pressure-demand supplied-air respirator with escape SCBA;
2. Fully-encapsulating, chemical-resistant suit;
3. Inner chemical-resistant gloves;
4. Chemical-resistant safety boots/shoes
5. Two-way radio communications; and
6. Optional: cooling unit, coveralls, long cotton underwear, hard hat, disposable gloves and boot covers.

Level B (Firefighters Protective Clothing - structural) provides protection by restricting inhalation of, ingestion of, or skin contact with hazardous vapors, liquids, and solids. This clothing may not provide adequate protection from poisonous vapors or liquids encountered during hazardous materials incidents. This is the minimum level recommended for initial site entries until the hazards have been completely identified.

Level B Recommended Personal Protective Equipment includes:

1. Pressure-demand, full facepiece self-contained breathing apparatus (SCBA), or pressure-demand supplied-air respirator with escape SCBA;
2. Chemical-resistant clothing (either overalls and long-sleeved jacket, hooded one- or two-piece chemical splash suit, or disposable chemical resistant one-piece suit);

Section 9.0: Exposure Control for Emergency Workers (Cont.)

3. Inner and outer chemical resistant gloves;
4. Chemical-resistant safety boots/shoes;
5. Hard hat;
6. Two-way radio communications; and
7. Optional: coveralls, disposable boot covers, face shield, long cotton underwear.

Level C protective equipment provides the same level of skin protection as Level B, but a lower level of respiratory protection. When using this equipment, the atmosphere must contain at least 19.5 percent oxygen.

Level C Recommended Personal Protective Equipment includes:

1. Full-facepiece, air-purifying canister-equipped respirator;
2. Chemical-resistant clothing (either overalls and long-sleeved jacket, hooded one- or two-piece chemical splash suit, or disposable chemical-resistant one-piece suit);
3. Inner and outer chemical resistant gloves;
4. Chemical-resistant safety boots/shoes;
5. Hard hat;
6. Two-way radio communications; and
7. Optional: coveralls, disposable boot covers, face shield, escape mask, long cotton underwear.

Level D protective equipment provides no respiratory protection and only minimal skin protection. This level should not be worn in the Exclusion Zone.

Level D Recommended Personal Protective Equipment includes:

1. Coveralls;
2. Safety boots/shoes;
3. Safety glasses or chemical splash goggles;
4. Hard hat; and
5. Optional: gloves, escape mask, face shield.

B. Miami-Dade County

Each emergency worker is responsible for maintaining his/her exposure record form (Figure 9.2-1) and returning it to the supervisor at the end of the emergency. All emergency worker exposures will be made a part of his/her permanent record, with a copy retained by the worker.

C. Broward County

Accurate exposure records must be maintained by each agency present at the HAZMAT incident. This is the reason that a timekeeper and safety officer is located in close proximity to the decontamination area.

D. Monroe County

Each emergency worker is responsible for maintaining his/her exposure record form (Figure 9.2-1) and returning it to the supervisor at the end of the emergency.

All emergency worker exposures will be made a part of his/her permanent record, with a copy retained by the worker.

9.3 Authorization of Exposure in Excess of Protective Action Guides

The purpose of subsection 9.3 is to describe how to get authorization for exposure levels of county emergency personnel to exceed established recommended exposure limits (REL).

A. South Florida LEPC

Each county has designated an official to authorize, if necessary, exposure of county emergency personnel to exposure levels in excess of established RELs after consulting with CHEMTREC. These situations would be limited to lifesaving actions requiring search and removal of injured persons or entry to protect conditions that would probably injure large numbers of individuals and to less stressful circumstances where it is desirable to enter a hazardous area to protect facilities, prevent further release, or control fires. Authorized exposure will not exceed OSHA Ceiling Concentrations (C) at any time. In Miami-Dade, the County Manager in cooperation with the Director of the Fire/Rescue Department and the County Medical Director has such authority. In Monroe County, the Chairman of the Board of County Commissioners has such authority. In Broward County, no person has such authority.

B. Miami-Dade County

The Incident Commander in cooperation with the Miami-Dade County Mayor, County Director of the Fire/Rescue Department and the County Medical Director, may authorize, if necessary, exposure of county emergency personnel to exposure levels in excess of established RELs.

C. Broward County

The Broward County Board of County Commissioners, or as delegated to the County Administrator, has the power and authority to waive the procedures and formalities otherwise required by law pertaining to the performance of public work and taking whichever prudent action is necessary to ensure the health, safety and welfare of the community.

D. Monroe County

The Incident Commander, in cooperation with the Monroe County Administrator, and health officials has the authority to allow public personnel to be exposed to established exposure limits. These situations would be limited to lifesaving actions requiring search and removal of injured persons or entry to prevent conditions that would probably injure large numbers of individuals and to less stressful circumstances where it is desirable to enter a hazardous area to protect facilities, prevent further release, or control fires. Authorized exposure will not exceed OSHA Ceiling Concentrations (C) at any time.

No official representative of Monroe County has been given authority to direct public employees into situations greater than the standard.

Figure 9.2-1

HAZARDOUS MATERIALS EXPOSURE FORM

Name: _____ Dept/Agency _____

Age: _____ Date of Birth: _____

Social Security Number: _____

XX

<u>DATE</u>	<u>LOCATION</u>	<u>CHEMICAL HAZARD</u>	<u>DURATION OF EXPOSURE</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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_____	_____	_____	_____

9.4 Decontamination

The purpose of subsection 9.4 is to describe personnel and equipment decontamination procedures.

A. South Florida LEPC

Each county has different procedures for decontamination. Following is a description of those procedures for each county.

B. Miami-Dade County

Decontamination will be performed by trained fire department personnel in accordance with established standard operating procedures. All workers must be decontaminated when leaving a contaminated area. Since methods to be used change from one chemical to another, shippers and medical authorities should be contacted to determine the most appropriate way of decontamination. All equipment and clothing from a contaminated area should be stored in a controlled area near the incident site until decontamination or proper disposal.

Contaminated equipment, such as buckets, brushes, tools, etc., should be placed in containers and labeled. Partially decontaminated clothing should be placed in plastic bags pending further decontamination or disposal. Respirators should be dismantled, washed, and disinfected after each use.

Water used for tool and vehicle decontamination will be allowed to run into suitable collection ditches, holding ponds, and other secure areas. Areas used for decontamination will be monitored for residual contamination. Any site found to be contaminated will be sealed off under the control of the Miami-Dade RER and county law enforcement agencies. These sites will be decontaminated with the assistance of DEP personnel and other appropriate federal and state agencies.

Personnel who are injured in the affected area of a hazardous materials emergency will be treated as possible contamination victims until a positive determination can be made. Emergency medical personnel will take precautions to prevent the spread of contamination on an injured person, to medical support personnel, and to medical equipment until the injured person can be transported to a medical facility with injury decontamination capabilities.

C. Broward County

- The Decontamination Area
All personnel leaving the HZ shall exit through the Decontamination Area.
 - a. All runoff from decontamination operations will be contained and disposed of in accordance with accepted Federal, State, and local practices and regulations.
 - b. Personnel requiring medical treatment shall be transported after field decontamination has been completed. The receiving hospital must be notified that the incoming patients have been contaminated.

Section 9.0: Exposure Control for Emergency Workers (Cont.)

- Decontamination

Under fire fighting and other emergency conditions, contamination of clothing and equipment may occur. A number of chemicals are capable of being absorbed through the skin and of causing severe poisoning and, in some instances, death. For this reason, any contaminated clothing such as leather shoes, trousers, shirts, etc., which retains the chemical for any length of time, permits absorption through the skin by contact or through high vapor concentration be promptly removed and not worn again until thoroughly decontaminated; all firefighting equipment, i.e., trucks, hose, Holligan Tools, etc., MUST be thoroughly decontaminated. A thorough washing of the body with soap and copious quantities of water is most important. Chemicals that can be absorbed through the skin include but are not limited to tetraethyl lead, tetramethyl lead, toluidine, and other liquid aromatic nitro and amino compounds.

D. Monroe County

Decontamination will be performed by trained fire department personnel in accordance with established standard operating procedures. All workers must be decontaminated when leaving a contaminated area. Since methods to be used change from one chemical to another, shippers and medical authorities should be contacted to determine the most appropriate way of decontamination. All equipment and clothing from a contaminated area should be stored in a controlled area near the incident site until decontamination or proper disposal.

Contaminated equipment, such as buckets, brushes, tools, etc., should be placed in containers and labeled. Partially decontaminated clothing should be placed in plastic bags pending further decontamination or disposal. Respirators should be dismantled, washed, and disinfected after each use.

Water used for tool and vehicle decontamination will be allowed to run into suitable collection ditches, holding ponds, and other secure areas. Areas used for decontamination will be monitored for residual contamination. Any site found to be contaminated will be sealed off under the control of the Florida Department of Health in Monroe County and county law enforcement agencies. These sites will be decontaminated with the assistance of Department or Environmental Protection (DEP) personnel and other appropriate federal and state agencies.

Personnel who are injured in the affected area of a hazardous materials emergency will be treated as possible contamination victims until a positive determination can be made. Emergency medical personnel will take precautions to prevent the spread of contamination on an injured person to medical support personnel and to medical equipment until the injured person can be transported to a medical facility with injury decontamination capabilities.

All run off from decontamination operations will be contained and disposed of in accordance with accepted EPA practices and regulations.

Personnel requiring medical treatment shall be transported after field decontamination has been completed. The receiving hospital must be notified that the incoming patients have been contaminated.

Decontamination of Equipment and Personnel

Under fire fighting and other emergency conditions, contamination of clothing and equipment may occur. A number of chemicals are capable of being absorbed through the skin causing severe poisoning and, in some instances, death. Any contaminated clothing must be promptly removed and not worn again until thoroughly decontaminated. All fire equipment, i.e., trucks, hose, Halligan Tools, etc., MUST be thoroughly decontaminated. A thorough washing of the body with soap and copious quantities of water is most important. Chemicals that can be absorbed through the skin include but are not limited to tetraethyl lead, tetraethyl lead, toluidine, and other liquid aromatic nitro and amino compounds.

Decontamination will be performed by trained fire department personnel in accordance with established standard operating procedures. All workers must be decontaminated when leaving a contaminated area. Updated methods to be used for decontamination change from one chemical to another. Shippers and medical authorities should be contacted to advise the most appropriate way of decontamination. All equipment and clothing from a contaminated area should be stored in a controlled area near the incident site until decontamination or proper disposal.

10. PROTECTIVE ACTIONS

10.1 General

The purpose of this section is to establish the range of protective actions that are available to state and local governments for the protection of the public. Protective actions, which, may be initiated to provide for the safety of the public, may include any or all of the following:

- Notification of affected residents and visitors to seek immediate in-place shelter;
- Evacuation of residents and visitors within designated sectors exposed to a plume of hazardous materials to shelter areas outside the affected area;
- Control of entrance into affected areas;
- Implementation of procedures to prevent the consumption and distribution of contaminated food and water supplies; or
- Implementation of procedures to decontaminate persons exposed to hazardous materials.

10.2 Vulnerable Zones

The purpose of subsection 10.2 is to describe the methods for determining the area likely to be affected by a hazardous materials release.

A. South Florida LEPC

A vulnerable zone is an estimated geographical area that may be subject to concentrations of an airborne EHS at levels that could cause irreversible acute health effects or death to persons within the area following an accidental release. Vulnerable zones are based on estimates of:

- quantity of an EHS released into the air;
- the rate of release into the air;
- airborne dispersion; and
- the airborne concentration that could cause irreversible health effects or death.

See Section 1 for more on hazard and vulnerability analyses.

B. Miami-Dade County See SoFlaLEPC above.

C. Broward County See SoFlaLEPC above.

D. Monroe County See SoFlaLEPC above.

10.3 Levels of Concern

The purpose of subsection 10.3 is to describe and define the Level of Concern as defined by the Environmental Protection Agency.

Section 10.0: Protective Actions (Cont.)

A. South Florida LEPC

A Level of Concern (LOC) is related to the concentration of an EHS in the air, which may cause serious irreversible health effects or death as a result of a single exposure for a relatively short period of time. There is no precise measure of an LOC for the chemicals listed as EHSs.

According to the State Demonstration Plan, an LOC has been estimated by using one-tenth (0.10) of the "Immediately Dangerous to Life and Health" (IDLH) level published by the National Institute for Occupational Safety and Health, or one-tenth of an approximation of the IDLH from animal toxicity data.

The establishment of LOCs is an issue, which is undergoing continuous research. As this research results in different LOCs, the county emergency plans, and this South Florida LEPC Plan may be amended.

B. Miami-Dade County See SoFlaLEPC above.

C. Broward County See SoFlaLEPC above.

D. Monroe County See SoFlaLEPC above.

10.4 Evacuation

The purpose of this subsection is to describe the criteria and authority for ordering or recommending evacuation.

A. South Florida LEPC

Evacuation is generally ordered on a county by county basis although the Governor does have the authority to evacuate an area. Below, evacuation procedures for each county are described.

B. Miami-Dade County

- Procedures for Evacuation

Authority to issue an immediate evacuation order for any vulnerable zone is delegated to the senior Incident Commander (on-scene) within a given jurisdiction if the health and safety of persons within the critical evacuation area is in imminent danger. Evacuation of all or any part (i.e., downwind) of a vulnerable zone will be by geographically definable boundaries (e.g., major roadways). Persons residing in a vulnerable zone which is ordered to be evacuated will be instructed to evacuate according to the evacuation plan outlined below.

Evacuees will be directed toward a casualty collection point where they will be screened for conditions requiring immediate medical attention, transported to medical facilities if necessary, and assigned to a shelter.

Strict traffic control measures will be utilized to permit ingress and egress of ambulances, fire/rescue, and other emergency vehicles and equipment. County and municipal law enforcement personnel will control traffic along evacuation routes. Law enforcement personnel may block roads as needed to prevent unauthorized use. Periodic patrols of the evacuation routes by law enforcement personnel may be used to maintain order, assist disabled evacuees and report route impediments to the County EOC.

All roadways along evacuation routes are paved or otherwise improved. The only impediments to travel would be weather conditions and traffic congestion.

Traffic control points and barricades will be used to expedite the flow of traffic. Drawbridges will remain in operation in accordance with Coast Guard and Department of Transportation regulations. The routes will be monitored by police officers and Florida Highway Patrol. Should breakdowns occur, wreckers will be dispatched to the scene.

- Evacuation of the General Public

The primary means of evacuating residents and visitors from the vulnerable zones will be private automobiles. Households with more than one vehicle will be encouraged to take only one car to minimize traffic congestion. Announcements will be made via the broadcast media requesting that car-pooling arrangements be made to accommodate those without transportation of their own. Residents without transportation may be picked up by buses and transported to the nearest casualty collection area.

- Evacuation for Emergency & Evacuation Assistance Program Clients

Miami-Dade Emergency Management maintains a current listing of people with emergency and evacuation assistance needs. During an evacuation, this list can be utilized to inform people on the registry of the evacuation and the dispatch of appropriate transportation to accommodate those needs.

- Schools

If evacuation is ordered during school session all school children located within the vulnerable zone will be transported by buses to designated pickup areas.

All children will remain under the control of school personnel until released to the parents/guardians. At the pickup point, children will be monitored and decontaminated if necessary. School personnel will maintain a listing of the number of children picked up and report this information every 30 minutes to the County EOC. Once the students are safe, the school buses may be directed to pick up residents who are without transportation. School children will remain under the supervision of the Miami-Dade County School Board personnel.

- Medical Facilities

If required, medical facilities will be evacuated to locations outside the vulnerable zone using hospital transportation supplemented by ambulances and other appropriate transportation.

- Incarceration Facilities
Prisoners and inmates of incarceration facilities will be evacuated to predesignated temporary facilities using facility transportation.

C. Broward County

An Incident Commander operating within the Unified Command System can and does order evacuation orders for localized events. Evacuation orders are based on risk threat in order to protect life and safety. If an incident occurs, that involves multiple jurisdictions and widespread evacuation orders outside of the immediately affected area, the Emergency Management Director, or designee and Sheriff would recommend that the County Administrator declare a state of local emergency which includes an evacuation order. The County Administrator would consult with the Chair of the County Commission, or appropriate member if the Chair is not available, before declaring a local state of emergency.

For a hazardous materials incident, evacuation routes will depend on the type event and the location of the incident. The Incident Commander will provide information regarding the incident as well as other factors such as weather and road considerations to make the best possible judgment on developing an evacuation route. The evacuation routes will be immediately released to the media in order to get the work out to the public.

Broward County does have a mass transportation system that may be able to be used during an evacuation, depending on the immediacy of the evacuation. Please see Broward County's Emergency Management Plan. Often times people will self-evacuate, and other times the best scenario may be to shelter-in-place. Depending on the urgency of the evacuation and expedience of such an event, public safety vehicles may be used to evacuate those individuals that cannot self-evacuate, bringing them to a shelter outside of the affected area.

- Evacuation Procedures
 - a. Hazardous Materials
In the event of a hazardous materials release certain parameters must be analyzed prior to ordering an evacuation.
 1. Physical and chemical properties;
 2. Health Effects from short-term exposures;
 3. Dispersion patterns of released hazardous material; and
 4. Atmospheric conditions.*(See Figures 10.4-1, 10.4-2, 10.4-3, 10.4-4 for methods of analyzing these factors.)*
 - b. Identifying People to be Evacuated
Numerous factors must be considered by the IC, and the local law enforcement agency represented at the CP, to ensure that an evacuation is conducted in a safe and effective manner, including how many people will be involved, where they are located, their degree of mobility, and whether there are any communication barriers to address. Potential evacuees may be found in many different locations:
 1. Residences;
 2. Educational institutions;
 3. Medical institutions;
 4. Health care facilities;

Section 10.0: Protective Actions (Cont.)

5. Childcare facilities;
 6. Correctional facilities;
 7. Offices;
 8. Commercial establishments;
 9. Government facilities;
 10. Manufacturing/industrial/research facilities;
 11. Places of public assembly;
 12. Parks and other recreational areas;
 13. Sporting arenas/stadiums; and
 14. Roadways.
- c. Identifying Persons Requiring Special Assistance
In addition to the above considerations, the IC, and the lead law enforcement agency represented at the CP, must determine what persons will require special assistance in evacuating the area and whether there exist any barriers to communication between evacuees and evacuation assistance personnel. Special consideration should be given to:
1. Persons lacking private transportation;
 2. The elderly;
 3. Children;
 4. Persons with disabilities;
 5. The infirm;
 6. Prisoners; and
 7. Non-English-speaking persons.
- d. Resources Needed
To accomplish a safe and effective evacuation, the IC, and the lead law enforcement agency represented at the CP, must provide for appropriate and sufficient resources, including personnel, vehicles, and equipment appropriate for emergency situations. Among the agencies that would likely supply personnel during an evacuation operation are police departments, fire departments, emergency medical service agencies, and the Mass Transit Division.
- In addition to personnel, specially equipped vehicles may have to be put in service, including:
1. Lift-equipped buses and vans for handicapped persons;
 2. Ambulances for infirm and handicapped persons; and
Vehicles for transporting persons lacking private transportation.
- e. Movement and Assistance
1. Arranging transportation for evacuees who are without private transportation;
 2. Arranging for movement of the infirm and handicapped;
 3. Traffic control; and
 4. Encouraging evacuees to move along in an expeditious manner.
Buses and/or vans will be needed for transportation of large groups of evacuees. Evacuating the infirm and handicapped will involve lift-equipped buses, vans, and/or ambulances. Traffic control involves restricting access of vehicles into the evacuated area and facilitating speedy vehicular movement out of the evacuation area.
- f. Emergency Medical Care for Evacuees
Should evacuees become exposed to hazards during an evacuation, emergency medical care must be provided. If a hazardous vapor cloud were to move suddenly upon a large group of people being evacuated,

Section 10.0: Protective Actions (Cont.)

numerous casualties would be possible. For this reason, it is advantageous to have emergency medical service (basic and advanced life support) units standing by in case they are needed.

g. Security in Evacuated Areas

Once an area is evacuated, law enforcement personnel must secure the area to prevent looting and other unauthorized actions.

h. Special Equipment

The type of equipment that will be necessary during an evacuation of a contaminated area includes:

1. Protective gear for fire personnel [e.g., Self-Contained Breathing Apparatus (SCBA) to protect the lungs, protective covering for the skin and eyes];
2. Protective gear for evacuees who may have to be taken through an area of heavy chemical concentration;
3. Communication equipment (e.g., portable and mobile radios, mobile public address systems, bull horns); and
4. Evacuation tags (a tag or marker attached to a door to indicate that the occupants have been notified) for buildings that have been evacuated.

D. Monroe County

• Procedures for Evacuation

Authority to issue an immediate evacuation order for any vulnerable zone is delegated to the senior Incident Commander (on-scene) within a given jurisdiction if the health and safety of persons within the critical evacuation area is in imminent danger. Evacuation of all or any part (i.e., downwind) of a vulnerable zone will be by geographic boundaries. Persons residing in a vulnerable zone which is ordered to be evacuated will be instructed to evacuate according to the evacuation plan outlined below.

All evacuation routes will lead citizens toward opened shelters. Once at the shelter, citizens will be screened for conditions requiring immediate medical attention, transported to medical facilities if necessary, and assigned to a shelter.

Strict traffic control measures will be utilized to permit ingress and egress of ambulances, fire/rescue, and other emergency vehicles and equipment. County and municipal law enforcement personnel will control traffic along evacuation routes. Law enforcement personnel will block state roads as needed to prevent unauthorized use. Periodic patrols of the evacuation routes by law enforcement personnel will be used to maintain order, assist disabled evacuees and report route impediments to the County EOC.

All roadways along evacuation routes are surfaced. The only impediments to travel would be weather conditions and traffic congestion.

Hurricane high winds and tides would prevent evacuation along most roads; however, for this event the wind speed would be in excess of 74 miles per hour and a plume requiring evacuation would be improbable. Traffic control points and barricades will be used to expedite the flow of traffic. Drawbridges will remain in operation in accordance with Coast Guard and Department of Transportation regulations. The routes will be monitored by police officers

and Florida Highway Patrol. Should breakdowns occur, wreckers will be dispatched to the scene.

- Evacuation of the General Public
The primary means of evacuating residents and transients from the vulnerable zones will be private automobiles. Households with more than one vehicle will be encouraged to take only one car to minimize traffic congestion. Announcements will be made via the broadcast media requesting that car-pooling arrangements be made to accommodate those without transportation of their own. Residents without transportation will be informed of designated bus stop locations and once there, will be transported to the nearest decontamination/reception center.
- Evacuation for Special Needs
The Monroe County Social Services maintains a current listing of people with special needs (PSN) registrants. During an evacuation this list will be utilized by telephone operators who will inform people with special needs of the evacuation and who will dispatch appropriate transportation to accommodate those needs. In Monroe County, special needs evacuees who are not evacuated by private vehicles will be evacuated by ambulance, county vans and buses with wheelchair lifts. An alternate means will be by school buses, if available.
- Schools
If evacuation is ordered during school session, all school children located within the vulnerable zone will be transported by school buses to pick-up areas.

All children will remain under the control of school personnel until released to the parents. At the pick-up point, children will be monitored and decontaminated if necessary. School personnel will maintain a listing of the number of children picked up and report this information every 30 minutes to the County EOC. Once the students are safe, the school buses may be directed to pick up residents who are without transportation.

- Medical Facilities
If required, medical facilities will be evacuated to facilities outside the vulnerable zone using hospital transportation supplemented by ambulances and other appropriate transportation.
- Incarceration Facilities
Prisoners and inmates of incarceration facilities will be evacuated to facilities pre-designated by Monroe County Sheriff's Office, using facility transportation, Sheriff's vehicles and assistance from any law enforcement agencies in the County.

10.5 Reception and Care

The purpose of subsection 10.5 is to describe the methods that will establish mass care facilities for providing food, shelter, medical care, and any required decontamination to relocated populations.

A. South Florida LEPC

Each county has independent procedures for establishing mass care facilities in an emergency. Below, the procedures of each county are described.

B. Miami-Dade County

In some cases, reception centers will be established for the purpose of expeditiously clearing evacuee traffic from the evacuation routes, initial screening of evacuees for contamination, and providing medical services to evacuees.

After a temporary shelter stay, evacuees will be mobilized and moved to other shelter locations or transitioned to temporary housing, if appropriate. When the emergency subsides, evacuees will be allowed to reenter the affected area in accordance with established procedures discussed in Section 12.2.

Following the initial screening and any required decontamination, a preliminary registration will be conducted. Evacuees will then be assigned to shelters and provided with maps and routing instructions.

A second, more detailed registration of evacuees will be accomplished at shelters. Personnel data on evacuees will be collected by the local Chapter of the American Red Cross representatives on registration forms in accordance with established procedures. Registration data will be tabulated and submitted to the County EOC.

C. Broward County

The Office of Medical Examiner & Trauma Services (EMS) is part of the unified command at the hazardous materials incident location. If warranted, the EMS will implement the Mass Casualty Incident Emergency Response Plan which activates the Medical Resources Coordination Center (MRCC).

The MRCC coordinates the distribution of the injured to hospitals. The MRCC and the EMS inform the receiving hospital(s) of the types of materials the injured have been exposed to and whether any field decontamination has been done. See Section 11 for listing of receiving hospitals.

The mass care facilities that will be managed by the American Red Cross in Broward County are listed behind Tab F of Appendix C of the county plan.

D. Monroe County

Reception centers would be established by MCEM for the purpose of expeditiously clearing evacuee traffic from the evacuation routes, initial screening of evacuees for contamination, and providing food service and health and medical care to evacuees. After a previously agreed upon length of temporary shelter stay,

Section 10.0: Protective Actions (Cont.)

evacuees will be mobilized and moved to other shelter locations or to temporary housing. When the emergency subsides, evacuees will be allowed to reenter the affected area in accordance with established procedures. The Florida Department of Health in Monroe County, the American Red Cross and the applicable Fire Rescue Departments are the primary responders at the reception center/s.

Following the initial screening and any required decontamination, a preliminary registration consisting of name, address and telephone number will be conducted. Evacuees may then be directed to shelters.

A second, more detailed registration of evacuees will be accomplished at shelters. Personal data on evacuees will be collected by American Red Cross representatives on registration forms in accordance with established procedures. Registration data will be tabulated and submitted to the County EOC.

Shelters are identified as primary and secondary and capacity is based on 20 square feet per occupant. School shelter capacity is further identified in terms of non-classroom and total non-classroom areas as those which would permit continuance of classroom schedules on a modified basis and the hosting of evacuees simultaneously. Total capacity reflects the capability of the facility to shelter evacuees with the suspension of classroom activities.

10.6 Shelter-In-Place (SIP)

The purpose of subsection 10.6 is to describe the methods for indoor protection that would be recommended for residents.

A. South Florida LEPC

Procedures for sheltering indoors are different for each county. Following is a county by county description of those procedures.

B. Miami-Dade County

In the event that a toxic cloud has become airborne and poses an immediate threat to persons attempting to evacuate, the decision to recommend taking shelter indoors instead of evacuation will be made by the IC. Residents will be notified to go indoors immediately, to close windows and doors, to turn off air conditioners and fans, and to remain inside until they receive further instructions. This decision will be made based upon the advice of the Director of the RER, time permitting. Notification to take shelter indoors will be issued by public address siren system, radio and television broadcast, and by police, fire, and emergency personnel using loudspeakers and other available means. Protective actions for special needs facilities will be given separate consideration. Protective action instructions will be issued by the IC, who will request that MD OEM activate the Emergency Alerting System (EAS) and disseminate such instructions through the electronic media.

C. Broward County

Some protection against toxic vapors can be obtained by staying inside a building when a vapor cloud passes by. Advising people to stay indoors and attempt to

reduce the flow of air into a structure may be the most effective protective action strategy in some circumstances. This strategy has been used by emergency officials when it was recognized that people could not be evacuated from an area prior to arrival of a toxic cloud.

A building, and to a lesser degree, a vehicle, acts to keep the peak concentration indoors below the peak concentration outdoors, especially when the cloud passage is relatively short. A continuous release with steady wind conditions can result in a long period of plume passage over a particular area and the indoor concentrations will eventually approach the level of outdoor concentration. In this situation, staying indoors may still be the best initial strategy, but it may be necessary to evacuate an area during plume passage, depending on the duration and whether concentrations will reach dangerous levels. For either type of release, the outdoor concentration will drop below the indoor concentration after the cloud has passed. At this point, people should go outdoors and/or increase the ventilation rate of the building by opening doors and windows and turning on air-conditioning systems. If the ventilation rate is not increased and people remain indoors, the total dose received will be the same as would have been received outdoors.

The degree of protection provided by a building is dependent on the ventilation rate, i.e., the frequency with which air is exchanged with the outdoors. People can increase the protection provided by a building by using whatever means are available to reduce the ventilation rate. This includes turning off air-conditioning systems, closing windows and doors, and sealing openings. Tapes, weather stripping, and wet paper or cloth can be used to seal cracks where air enters the building. Changing floors in a multistory building may also provide increased exposure by moving above or below a cloud.

D. Monroe County

In the event that a toxic cloud has become airborne and poses an immediate threat to persons attempting to evacuate, the decision to recommend taking shelter indoors instead of evacuation will be made by the Incident Commander. Residents will be notified to go indoors immediately, to close windows and doors, to turn off air conditioners and fans, and to remain inside until they receive further instructions. This decision will be made based upon the advice of the Director of the Division of Environmental Resources Management (DERM), time permitting. Notification to take shelter indoors will be issued by public address siren system, radio and television broadcast, and by police, fire, and emergency personnel using loudspeakers and other available means. Protective actions for special needs facilities will be given separate consideration. Protective action instructions will be issued by the Incident Commander, who will request MCEM to activate the Emergency Alerting System (EAS) and disseminate such instructions through the electronic media.

11. MEDICAL AND PUBLIC HEALTH SUPPORT

11.1 General

As a result of September 11, 2001, the federal government-initiated grants to hospitals to improve their capacity and capability of handling persons exposed to hazardous materials. All hospitals within District 11 with Emergency Departments have at least minimal capability of handling persons contaminated with hazardous materials.

11.2 Medical Support

This subsection describes the procedures for summoning emergency medical and health department personnel.

A. South Florida LEPC

A hazardous materials release can present actual or potential health hazards to individuals within the affected area. It is imperative that capabilities exist for treating exposed individuals. An on-going capability for emergency care and transportation of victims of accidents and sudden illness, and special needs population during evacuation must also exist.

Regarding District-wide assistance from the state, DOHs Disaster Preparedness Coordinator will be notified by the state DEM and will in turn activate the appropriate DOH district personnel.

Coordination of the delivery of all state medical and health support services to the victims of hazardous materials incidents is the responsibility of the DOH. The DOH Director for each of the DOH districts is responsible for assuring the Secretary of DOH that adequate medical and health support services exist for treating and transporting victims of hazardous materials incidents to medical support facilities.

Regarding specialized medical care in the district, only Jackson Memorial Hospital and Memorial Regional Hospital and Broward General provide Level I trauma care. North Broward General Center is a Level II facility. Miami Children's Hospital and Memorial Hospital in Hollywood provide pediatric trauma care.

Each county has different procedures for summoning local emergency medical personnel. The procedures and facilities for each county are described below.

B. Miami-Dade County

During disaster-related medical and rescue operations, the appropriate fire/rescue medical officer will direct and coordinate all participating medical/rescue units.

The Miami-Dade County Fire Alarm Office along with the EOC will establish and maintain two-way communications between the medical/rescue units and the hospitals, coordinate and dispatch vehicles and personnel to the areas requiring on-site medical assistance, coordinate all ambulance and fire/rescue vehicles

Section 11.0: Medical and Public Health Support (Cont.)

during emergency medical operations, and coordinate patient transport to available medical receiving facilities.

All fire/rescue agencies will operate from their normal bases of operation as long as possible during the period of emergency. In the event of imminent hazard to rescue personnel, they will seek safe shelter for themselves and their equipment. Following the shelter period, all personnel will return to their bases of operation.

Rescue units performing on-site duties in a jurisdiction other than their own will, unless otherwise directed by proper authority, operate under the tactical control of the Fire/Rescue medical officer in whose jurisdiction the operation is located.

Hospitals in Miami-Dade County will keep the Miami-Dade County Fire Alarm Office and the EOC informed of the number of bed spaces and the levels of service available in each hospital.

- Hospitals and Ambulance Service
Those hospitals and other emergency medical service facilities that are capable of providing medical support for exposed individuals are identified in Figure 11.2-1.

C. Broward County

Representatives of Emergency Medical Services - EMS is part of the unified command at the hazardous materials incidents, along with the fire department, law enforcement, the EPGMD (CEC), the FERC and the lead environmental agency.

If warranted, implement the Mass Casualty Incident Emergency Response Plan and activate the Medical Resources Coordination Center (MRCC). The MRCC coordinates the distribution of the injured to hospitals (see Figure 11.2-2).

Care for and have the injured transported to an appropriate hospital(s). Inform the receiving hospital(s) of the types of materials the injured have been exposed to; if they are contaminated; if any field decontamination has been done.

Notify the Poison Control Center of the type(s) of hazardous materials involved.

Maintain units at the scene, as required, to care for and transport persons that may be injured during mitigation operations.

Provide a supervisor to the ARA to direct EMS personnel and to provide a communications link to the IC.

If available, distribute mutual aid radios and/or cellular phone for inter-agency coordination.

With assistance from the fire department, and wearing protective clothing, effect decontamination of personnel, as required.

Section 11.0: Medical and Public Health Support (Cont.)

Broward County EMS staff will NOT be utilized in areas that have been contaminated unless they have been properly trained and equipped with PPEs.

Should evacuees become exposed to hazards during an evacuation, emergency medical care must be provided. If a hazardous vapor cloud were to move suddenly upon a large group of people being evacuated, numerous casualties would be possible. For this reason, it is advantageous to have emergency medical service (basic and advanced life support) units standing by in case they are needed.

D. Monroe County

* Medical Support

A hazardous materials release can present actual or potential health hazards to individuals within the affected area. It is imperative that capabilities exist for treating exposed individuals. An ongoing capability for emergency care and transportation of victims of accidents and sudden illness, and special needs population during evacuation must also exist.

During disaster-related medical and rescue operations, the Operations Section Chief will direct and coordinate all participating medical/rescue units using the county radio and commercial telephone lines, while operating from Monroe County EOC. The Operations Section Chief will also maintain contact with the MCSO dispatch centers in order to coordinate and dispatch vehicles and personnel to the areas requiring on-site medical assistance, coordinate all ambulance and fire/rescue vehicles during emergency medical operations, and coordinate patient transport to available medical receiving facilities.

All fire/rescue agencies will operate from their normal bases of operation as long as possible during the period of emergency. In the event of imminent hazard to EMS personnel, they will seek safe shelter for themselves and their equipment. Following the shelter period, all personnel will return to their bases of operation and report their status to the Operations Section of the EOC for assignment.

Ambulance and medical/rescue units performing on-site duties in a jurisdiction other than their own will, unless otherwise directed by proper authority, operate under the tactical control of the ranking Medical Officer in whose jurisdiction the operation is located. If there is no Medical Officer, the on-site senior Emergency Medical Technician or Paramedic will be responsible for patient care until such time as the Medical Officer becomes available.

Hospitals in Monroe County will keep the Florida Department of Health in Monroe County Director informed of the number of bed spaces and the levels of service available in each hospital. The Florida Department of Health in Monroe County will, in turn, keep the Incident Commander and MCEM informed of the conditions of the hospitals.

Section 11.0: Medical and Public Health Support (Cont.)

Coordination of the delivery of all state medical and health support services to the victims of hazardous materials incidents is the responsibility of the DOH. The DOH Director for each of the DOH districts is responsible for assuring the Secretary of DOH that adequate medical and health support services exist for treating and transporting victims of hazardous materials incidents to medical support facilities.

- * Hospitals and Ambulance Service
Those hospitals and other emergency medical service facilities that are capable of providing medical support for exposed individuals are identified in Figure 11.2-3.
- * Mental Health Services
Mental health services which might be required will be provided by the local public health units. Counseling centers will be utilized by dictated need.

Provisions for emergency mental health care includes a Critical Incident Stress Debriefing Team (CISD), which will be provided by Monroe County Fire Marshal's Office.

Figure 11.2-1

**MIAMI-DADE COUNTY
MEDICAL FACILITIES
(Source: Florida Hospital Association)**

FACILITY INFORMATION

Aventura Hospital 20900 Biscayne Boulevard Aventura, FL 33180 (305) 682-7000 Facility Beds: 467	Homestead Hospital - Baptist Health South 975 Baptist Way Homestead, FL 33033 (786) 243-8000 Facility Beds: 147
Baptist Hospital of Miami 8900 N. Kendall Drive Miami, FL 33176 (786) 596-1960 Facility Beds: 886	Jackson Behavioral Health Hospital 1695 NW 9 th Avenue, Suite 2308 Miami, FL (305)355-8234 Facility Beds: 239
Coral Gables Hospital 3100 Douglas Road Coral Gables, FL 33134 (305) 445-8461 Facility Beds: 245	Jackson Memorial Hospital 1611 NW 12 th Avenue Miami, FL 33136 (305) 585-1111 Facility Beds: 1308
Doctor's Hospital 5000 University Drive Miami, FL 33146 (786)308-3000 Facility Beds: 281	Jackson North Medical Center 160 NW 170 th Street Miami, FL 33169 (305) 651-1100 Facility Beds: 382
Encompass Health Rehabilitation Miami 20601 Old Cutler Road Cutler Bay, FL 33189 (305) 251-3800 Facility Beds: 60	Jackson South Hospital 9333 SW 152 nd Street Miami, FL 33157 (305) 251-2500 Facility Beds: 262
Hialeah Hospital 651 E. 25 th Street Hialeah, FL (305) 693-6100 Facility Beds: 366	Kendall Regional Medical Center 11750 SW 40 th Street Miami, FL 33175 (305) 223-3000 Facility Beds: 447

Section 11.0: Medical and Public Health Support (Cont.)

Keralty Hospital
11750 SW 40 Street
Miami, FL
(305) 264-5252
Facility Beds: 125

Kindred Hospital South Florida – Coral Gables
5190 SW 8th Street
Miami, FL 33134
(305) 448-1585
Facility Beds: 55

Larkin Community Hospital Palm Springs
1475 W. 49th Street
Hialeah, FL 33012
(305) 558-2500
Facility Beds: 247

Larkin Community Hospital South Miami
7031 SW 62nd Avenue
South Miami, FL 33143
(305) 284-7500
Facility Beds: 146

Mercy Hospital
3663 S. Miami Avenue
Miami, FL 33133
(305) 854-4400
Facility Beds: 488

Miami Jewish Health Systems
5200 NE 2nd Avenue
Miami, FL 33137
(305) 751-8626
Facility Beds: 32

Miami VA Healthcare System
1201 NW 16th Street
Miami, FL 33125
(305) 575-7000
Facility Beds: 372

Mount Sinai Medical Center
4300 Alton Road
Miami Beach, FL 33140
(305) 674-2121
Facility Beds: 664

Nicklaus Children's Hospital
3100 SW 62nd Avenue
Miami, FL 33155
(305) 666-6511
Facility Beds: 309

North Shore Medical Center
1100 NW 95th Street
Miami, FL 33150
(305) 835-6000
Facility Beds: 337

Palmetto General Hospital
2001 W. 68th Street
Hialeah, FL 33016
(305) 823-5000
Facility Beds: 368

Select Specialty Hospital-Miami Victoria Center
955 NW 3rd Street
Miami, FL 33128
(305) 416-5700
Facility Beds: 47

Select Specialty Hospital-Miami Lakes
14001 NW 82nd Avenue
Miami, FL
(786)609-9200
Facility Beds: 60

South Florida Evaluation and Treatment Center
18680 SW 376th Street
Florida City, FL
(786) 349-6000
Facility Beds: 249

South Miami Hospital
6200 SW 73rd Street
Miami, FL 33143
(786) 662-4000
Facility Beds: 436

Southern Winds Hospital
4225 W. 20th Avenue
Hialeah, FL 33012
(305) 558-9700
Facility Beds: 72

Section 11.0: Medical and Public Health Support (Cont.)

St. Catherine Rehabilitation Hospital
1050 NE 125th Street
Miami, FL 33161
(305) 357-1735
Facility Beds: 2

St. Catherine's West Rehabilitation Hospital
8850 NW 122nd Street
Hialeah Gardens, FL
(305) 351-7181
Facility Beds: 40

UMHC-Bascom Palmer Eye Institute
900 NW 17th Street
Miami, FL 33136
(305) 326-6000
Facility Beds: 100

UMHC-Sylvester Comprehensive Cancer Center
1475 NW 12th Avenue, 1st Floor
Miami, FL 33136
(305) 243-5302
Facility Beds: 40

UMHC-UHealth Tower (Cedars)
1400 NW 12th Avenue, Suite 2023
Miami, FL 33136
(305) 689-5511
Facility Beds: 560

West Gables Rehabilitation Hospital
2525 SW 75th Avenue
Miami, FL 33155
(305) 262-6800
Facility Beds: 60

West Kendall Baptist Hospital
9555 SW 162nd Avenue
Miami, FL
(786) 467-2000
Facility Beds: 133

Figure 11.2-2

**BROWARD COUNTY
MEDICAL FACILITIES
(Source: Florida Hospital Association)**

FACILITY INFORMATION

Broward Health Coral Springs
3000 Coral Hills Drive
Coral Springs, FL 33065
(954) 344-3000
Facility Beds: 250

Fort Lauderdale Behavioral Health Center
5757 N. Dixie Highway
Oakland Park, FL 33334
(954) 734-2000
Bed Capacity: 182

Broward Health Imperial Point
6401 North Federal Highway
Fort Lauderdale, FL 33308
(954) 776-8500
Facility Beds: 204

Holy Cross Hospital
4725 North Federal Highway
Ft. Lauderdale, FL 33308
(954) 771-8000
Bed Capacity: 557

Broward Health Medical Center
1600 South Andrews Avenue
Ft. Lauderdale, FL 33316
(954) 355-4400
Facility Beds: 723

Joe DiMaggio Children's Hospital
1005 Joe DiMaggio Drive
Hollywood, FL
(954) 265-5324
Facility Beds: 226

Broward Health North
201 E. Sample Road
Deerfield Beach, FL
(954) 941-8300
Facility Beds: 409

Kindred Hospital South Florida-Fort Lauderdale
1516 E. Las Olas Boulevard
Fort Lauderdale, FL 33301
(954) 764-8900
Bed Capacity: 64

Cleveland Clinic Florida - Weston
3100 Weston Road
Weston, FL 33331
(954) 689-5000
Bed Capacity: 206

Kindred Hospital South Florida-Hollywood
1859 Van Buren Street
Hollywood, FL 33020
(954) 920-9000
Bed Capacity: 119

Encompass Health Rehabilitation - Sunrise
4399 Nob Hill Road
Sunrise, FL 33351
(954) 689-5000
Bed Capacity: 126

Larkin Community Hospital Behavioral
1201 N. 37 Avenue
Hollywood, FL 33021
(954) 962-1355
Bed Capacity: 50

Florida Medical Center - North Shore
5000 W. Oakland Park Blvd.
Fort Lauderdale, FL 33313
(954) 735-6000
Bed Capacity: 459

Memorial Hospital Miramar
1901 SW 172nd Avenue
Miramar, FL
(954) 538-5000
Facility Beds: 178

Section 11.0: Medical and Public Health Support (Cont.)

Figure 11.2-2, Cont.

Memorial Hospital Pembroke
7800 Sheridan Street
Pembroke Pines, FL 33024
(954) 962-9650
Bed Capacity: 301

Memorial Hospital West
703 N. Flamingo Road
Pembroke Pines, FL 33028
(954) 436-5000
Bed Capacity: 486

Memorial Regional Hospital
3501 Johnson Street
Hollywood, FL 33021
(954) 987-2000
Bed Capacity: 571

Memorial Regional Hospital South
3600 Washington Street
Hollywood, FL 33021
(954) 518-5000
Bed Capacity: 216

Northwest Medical Center
2801 N State Road 7
Margate, FL
(954) 974-0400
Facility Beds: 289

Plantation General Hospital
401 NW 42nd Avenue
Plantation, FL 33317
(954) 587-5010
Bed Capacity: 240

South Florida State Hospital
800 E Cypress Drive
Pembroke Pines, FL
(954) 392-3000
Facility Beds: 350

St. Anthony's Rehabilitation Hospital
3487 NW 30th Street
Lauderdale Lakes, FL
(954) 739-6233
Facility Beds: 26

University Hospital & Medical Center
7201 N. University Drive
Tamarac, FL 33321
(954) 721-2200
Bed Capacity: 257

University Pavilion Hospital
7425 N University Drive
Tamarac, FL
(954) 724-6502
Facility Beds: 60

Westside Regional Medical Center
8201 W Broward Boulevard
Plantation, FL 33324
(954) 473-6600
Bed Capacity: 250

Figure 11.2-3

**MONROE COUNTY
MEDICAL FACILITIES
(Source: Florida Hospital Association)**

DePoo Hospital
1200 Kennedy Drive
Key West, FL 33040
(305) 293-1295
Facility Beds: 49

Fisherman's Community Hospital
3301 Overseas Highway
Marathon, FL 33050
(305) 743-5533
Facility Beds: 4

Lower Keys Medical Center - Key West
5900 College Road
Key West, FL 33040
(305) 294-5531
Facility Beds: 118

Mariners Hospital
91500 Overseas Highway
Tavernier, FL 33070
(305) 434-3000
Facility Beds: 25

12. RECOVERY AND RE-ENTRY

12.1 General

This section provides general guidelines for recovery and re-entry operations to be followed when a hazardous materials emergency has been brought under control and no further significant releases are anticipated.

12.2 Recovery

The purpose of subsection 12.2 is to describe how recovery operations will be coordinated and directed.

A. South Florida LEPC

Each county utilizes the same procedures when removal action is necessary. These procedures are described below for the entire District.

In the event that the lead environmental agency determines that a removal action is necessary, actions shall be taken as soon as possible to prevent, minimize or mitigate the threat to public health, welfare or the environment. The following removal actions are, as a general rule, appropriate in the following situations:

<u>Action</u>	<u>Situation</u>
Fences, warning signs or other security or site control precautions.	Where humans or animals have access to the release.
Drainage controls.	Where precipitation or runoff from other sources may enter the release area.
Stabilization of berms, dikes or impoundments.	Where needed to maintain the integrity of the structures.
Capping of contaminated soils or sludge.	Where needed to reduce the spread of hazardous substances into soil, groundwater or air.
Using chemicals or other materials to retard spread or release or to mitigate its effect (With government approval).	Where use of such chemicals will reduce the spread of release.
Removal of contaminated soils from drainage or other areas.	Where removal will reduce the spread of contamination.
Removal of bulk containers that hold hazardous substances.	Where it will reduce the likelihood of spillage, leakage, exposure to humans, animals or food chain, or fire or explosion.
Provision of alternative water supply	Where it will reduce the likelihood of exposure of humans or animals to contaminated area.

* Responsible Parties

Where the responsible parties are known, an initial effort will be made, to the extent practicable under the circumstances, to have them perform the necessary removal actions. Where responsible parties are unknown, an initial effort will be made, to the extent practicable under the circumstances, to locate them and have them perform the necessary removal actions.

* Remedial Actions

a. Remedial actions, which are consistent with a permanent remedy, may be necessary to prevent or minimize the release of hazardous substances so that they do not spread or cause substantial danger to public health and safety or to the environment. Before any remedial action is taken, however, the lead environmental agency should first determine the nature and threat presented by the release and then evaluate proposed remedies. This may involve assessing whether the threat can be prevented or minimized by controlling the source of the contamination at or near the area where the hazardous substances were originally located (source control measures) and/or whether additional actions will be necessary because the hazardous substances have spread to other areas (management or mitigation).

b. The following factors should be assessed in determining whether and what type of remedial and/or removal action is to be considered:

1. Population, environmental and health concerns at risk;
2. Routes of exposure;
3. Amount, concentration, hazardous properties and form of substances present;
4. Hydrological factors;
5. Current and potential groundwater use;
6. Climate;
7. Extent to which the source can be adequately identified and characterized;
8. Whether substances at the site may be reused or recycled;
9. Likelihood of future releases if the substances remain on-site;
10. Extent to which natural or manmade barriers currently contain the substances and the adequacy of those barriers;
11. Extent to which the substances have spread or are expected to spread from the area, and whether any future spread may pose a threat to public health, safety, or to the environment;
12. Extent to which state and federal environmental and public health requirements, apply to the specific site;
13. Extent to which contamination levels exceed established state and federal requirements, standards and criteria;
14. Contribution of the contamination to an air, land, water and/or food chain contamination problem;
15. Ability of the responsible party to implement and maintain the remedy until the threat is permanently abated;
16. Availability of appropriate enforcement mechanisms; and
17. Any other appropriate factors.

* Alternative Options

Alternative options should be developed, based upon this assessment, and screened to determine the most appropriate actions. Criteria to be used in the initial screening include cost, effectiveness, and acceptable engineering practices. The appropriate remedial action will be a cost-effective remedial action that effectively mitigates and minimizes the threat to public health and provides adequate protection of public health, safety and the environment. The following actions are, as a general rule, appropriate in the following situations.

<u>Situation</u>	<u>Action</u>
Elimination or containment of contamination to prevent further contamination.	Contaminated groundwater.
Treatment and/or removal to reduce or eliminate contamination.	Contaminated groundwater.
Physical containment to reduce or eliminate potential exposure to contamination.	Contaminated groundwater.
Restrictions on use to eliminate to potential exposure to contamination.	Contaminated groundwater.
Elimination or containment of contamination to prevent further pollution.	Contaminated groundwater.
Treatment of contaminated water to reduce or eliminate its hazard potential.	Contaminated groundwater.
Actions to remove, treat or contain soil or waste to reduce or eliminate its hazard potential.	Contaminated soil/waste.

* Environmental Analysis

Prior to allowing public access to potentially contaminated areas, the County health or environmental agency and the state Department of Environmental Protection will evaluate the environmental conditions in the affected areas by conducting direct measurements and collecting environmental samples for laboratory analysis. Environmental sampling will proceed from the perimeter of affected areas to the interior.

In-state laboratory analysis of collected samples may be performed at any of the independent contractors made available by the state department of Environmental Protection.

* Containment and Cleanup

When a determination has been made that there is a threat to public health, welfare or the environment, the lead agency may take any appropriate action to prevent, mitigate or minimize the threat to the public health, safety, or to the environment. In determining the appropriate extent of action to be taken at a given release, the lead agency should first review the preliminary assessment and current site conditions.

Section 12.0: Recovery and Re-Entry (Cont.)

The following factors should be considered in determining the appropriateness of removal actions:

- a. actual or potential exposure to hazardous substances by nearby populations, animals or food chain
- b. actual or potential contamination of drinking water supplies or sensitive ecosystems
- c. hazardous substances, pollutants or contaminants in bulk storage containers that may pose a threat or release
- d. high levels of hazardous substances or contaminants in soils, largely at or near the surface, that may spread
- e. weather conditions that may facilitate the spread or release of hazardous substances
- f. threat of fire or explosion
- g. the availability of other appropriate state or federal response mechanism
- h. other situations or factors which may pose threats to public health, welfare or the environment

Recovery operations may be coordinated and directed from either the County EOC or the on-scene command post.

* Documentation and Follow-up

During all phases of response, documentation should be collected and maintained to support all actions taken under this plan, and to form the basis for cost recovery. In general, documentation should be sufficient to provide the source and circumstances of the condition, the identity of responsible parties, accurate accounting of local or private party costs incurred, and impacts and potential impacts to the public health, welfare and the environment. All responding agencies assemble for debriefings and after-action reports to discuss the incident, suggest corrective actions and improve response. Cost recovery varies by jurisdiction dependent upon the adoption of a cost recovery ordinance.

A final report of the incident should be prepared by the lead response agency which includes, at a minimum, the following information:

- a. Time and date of incident
- b. Name and address of affected facility
- c. Name of facility owner/operator
- d. Hazardous material(s) involved
- e. Nature and source of release
- f. Summary of actions taken by emergency response agencies and organizations
- g. Summary of actions taken to protect public health/safety, the environment and other property
- h. Summary of injuries and property damage
- i. Documentation of costs
- j. Need for additional actions

Section 12.0: Recovery and Re-Entry (Cont.)

The information and reports obtained by the lead agency for response actions shall, as appropriate, be transmitted to the Chairman of the Local Emergency Planning Committee and the Chairman of the State Emergency Response Commission for Hazardous Materials.

- B. Miami-Dade County
See SoFlaLEPC above.
- C. Broward County
See SoFlaLEPC above.
- D. Monroe County
See SoFlaLEPC above.

12.3 Re-Entry

The purpose of subsection 12.3 is to describe how re-entry operations will be coordinated and directed.

- A. South Florida LEPC

Each county has different procedures for orchestrating re-entry operations. The operational procedures are described below for each county.

- B. Miami-Dade County

The decision to relax protective actions will be made by the County Mayor, in consultation with the Directors of MDRF, RER, the Health Department, Miami-Dade Emergency Management and the on-scene commander. Re-entry will be considered when chemical concentrations in the air, the water and the ground are below established levels of concern in the affected areas (downwind portions of the vulnerable zone). Upon the determination that the environmental conditions in the affected areas are safe for public access, protective actions will be relaxed, and re-entry will be authorized.

The County Emergency Management Director will coordinate local re-entry activities from the County EOC and will keep the state EOC informed. Cleared areas will be opened when clearly definable boundaries are available (i.e., highways, streets, canals). Limited re-entry by the general public will not be allowed.

- C. Broward County

Re-entry will be considered when chemical concentrations in the air, the water and the ground are below established levels of concern in the affected areas (downwind portions of the vulnerable zone).

Upon the determination by the lead environmental agency that the environmental conditions in the affected areas are safe for public access, protective actions will be relaxed, and re-entry will be authorized.

The county EPGMD director will coordinate local re-entry activities and will keep the state EOC informed. Cleared areas will be opened when clearly definable

Section 12.0: Recovery and Re-Entry (Cont.)

boundaries are available (i.e., highways, streets, canals). Limited re-entry by the general public will not be allowed.

Re-entry into evacuated areas will be permitted only after it has been determined by extensive field and/or laboratory testing that chemical concentrations in the air, the water, the ground and on structures are below the LOC.

The EPGMD Department has the capability for analysis, in its laboratory, for all types of hazardous materials contamination. The EPGMD Department may be supported in its analytical efforts by:

1. Broward County Medical Examiner
2. Water plant laboratories
3. The State Department of Environmental Protection
4. The State Department of Health
5. The Title III 302 facility experiencing the HAZMAT incident
6. Private laboratory facilities

As soon as practical after the conclusion of a major hazard materials incident (both chemical and radiological), a debriefing conference of all participants should be scheduled by the fire chief of the jurisdiction in which the incident occurred. As a result of this conference, an After Action Report should be prepared which will include, but not be limited to:

1. Summary of incident
2. Degree of participation of each agency
3. Number of persons assisted
4. Noteworthy incidents
5. Recommendations for improvement

D. Monroe County

The decision to relax protective actions will be made by the County EM Director in consultation with the County Administrator, the Florida Department of Health in Monroe County Director and the on-scene commander. Re-entry operations will be coordinated from either the County EOC or on-scene Incident Command. Re-Entry will be considered when chemical concentrations in the air, the water and the ground are below established levels of concern in the affected areas (downwind portions of the vulnerable zone). Upon the determination by the Florida Department of Health in Monroe County Director that the environmental conditions in the affected areas are safe for public access, protective actions will be relaxed, and re-entry will be authorized.

The MCEM will coordinate, through the Monroe County Sheriff's Office and the Florida Highway Patrol, local re-entry activities from the County EOC and will keep the State EOC informed. Cleared areas will be opened when clearly definable boundaries are available (i.e., highways, streets, canals). Limited re-entry by the general public will not be allowed.

13. EXERCISES AND DRILLS

13.1 General

This section describes the exercises and drills that must be conducted bi-annually to evaluate the adequacy of the hazardous materials emergency plan and the skills of the emergency response personnel.

13.2 Exercises

The purpose of this subsection is to describe the nature and frequency of exercises required to test the adequacy of the plan. An exercise is an event that tests the integrated response capability and major elements within emergency preparedness plans. The emergency preparedness exercise will simulate an emergency which results in hazardous materials releases and response by local authorities. In addition, local governments within the District exercise their response plans on an annual basis.

A. South Florida LEPC

For an emergency plan to remain useful, it must be kept up-to-date through a thorough review of actual responses, simulated exercises, and collection of new data. As key assumptions and operational concepts may change, the plan should be amended to reflect the new situations. All exercises will meet federal standards and Homeland Security Exercise and Evaluation Program (HSEEP) compliant.

* Full Scale Exercise

A full-scale exercise is designed to demonstrate the emergency preparedness and response capabilities of appropriate county and city agencies and organizations. Mobilization of local emergency personnel and resources are demonstrated in such an exercise as if the emergency actually occurred. An example of this includes the "Operation Rail Yard" Disaster Exercise.

* Functional Exercise

A functional exercise is designed to demonstrate one or more functions or capabilities specified in the emergency plan. Mobilization of local personnel and resources are limited in such an exercise. An example of this type includes the Turkey Point Nuclear Power Plant Disaster Exercise.

* Tabletop Exercise

A tabletop exercise is a simulation in which response activities are discussed. There is no mobilization of emergency personnel and resources in such an exercise.

B. Miami-Dade County

* Scheduling and Scenario Development

Scenarios will be varied from year to year such that all major elements of the plan and preparedness organizations are tested within a five-year period. The scenarios will include, but not be limited to, the following:

1. objectives of the exercise and appropriate evaluation criteria;
2. dates, time period, places, and participating organizations;

Section 13: Exercises and Drills (Cont.)

3. the simulated events;
4. a time schedule of real and simulated initiating events;
5. a narrative summary describing the conduct of the exercise; and
6. a description of arrangements for advance materials to be provided to observers.

* Critique and Reports

Controllers and observers will fully participate in all exercises. These controllers and observers will be selected from non-participating county agencies and organizations, neighboring counties, state, and federal agencies. A critique will be conducted after each exercise to evaluate the capability of participating emergency agencies and organizations to implement emergency plans and procedures. Participating agencies will be requested to submit critique written comments as input for an after-action report on the exercise.

C. Broward County

All exercises will meet federal standards and be Homeland Security Exercise and Evaluation Program (HSEEP) compliant. All exercises shall be evaluated by the participants and the EPGMD.

- a. Response Agencies: Each response agency should participate in at least one full-scale exercise per year. Full-scale exercises should be conducted in both the cities and county during each calendar year.
- b. Facilities: Each facility should hold at least one functional exercise per year to test its plan via a realistic scenario. The facility should notify the EPGMD at least one month in advance of the exercise. The EPGMD shall, if notified, publish a monthly exercise schedule to all agencies and response agencies may observe any facility exercise which they so choose. In addition, each Facility Emergency Coordinator from a high or moderate risk category facility should observe one full scale exercise within 18 months of obtaining the position and one every 4 years thereafter. (This requirement may be met by joint exercises among facilities.)
- c. A functional exercise is an activity designed to test or evaluate the capability of an individual function, or complex activity within a function. It is applicable where the activity is capable of being effectively evaluated in isolation from other emergency management activity.

The functional exercise is the basic goal of an emergency management exercise program. These exercises are fully simulated, using messages that can be either written, or transmitted by telephone or radio, or both. The functional exercise creates stress by increasing the frequency of messages, intensity of activity, complexity of decisions and/or the requirements for coordination.

As soon as practical after the conclusion of a hazard materials incident exercise a briefing conference of all participants should be scheduled by the fire chief of the jurisdiction in which the simulated incident occurred. As a result of this conference, a summary of operations should be prepared which will include, but not be limited to:

1. Summary of incident;
2. Degree of participation of each agency;
3. Number of persons assisted;

Section 13: Exercises and Drills (Cont.)

4. Noteworthy incidents; and
5. Recommendations for improvement.

D. Monroe County

* Scheduling and Scenario Development

Exercises will be scheduled jointly by the facility owner/operators and the MCEM. Exercise objectives and the scenarios for the exercises will be developed and prepared jointly by the facility owner/operator and the MCEM. Scenarios will be varied from year to year such that all major elements of the plan and preparedness organizations are tested within a five-year period. The scenarios will include but not be limited to the following:

1. Objectives of the exercise and appropriate evaluation criteria
2. Dates, time period, places, and participating organizations
3. The simulated events
4. A time schedule of real and simulated initiating events
5. A narrative summary describing the conduct of the exercise
6. A description of arrangements for advance materials to be provided to observers

* Critique and Reports

Controllers and observers will fully participate in all exercises. These controllers and observers will be selected from non-participating county agencies and organizations, neighboring counties, state, and federal agencies. A critique will be conducted after each exercise to evaluate the capability of participating emergency agencies and organizations to implement emergency plans and procedures. Participating agencies will be requested to submit written critiques for inclusion in an after-action report on the exercise.

13.3 Drills

The purpose of subsection 13.3 is to describe the nature of drills required to test the adequacy of emergency response operations.

A. South Florida LEPC

A drill is a supervised instruction period aimed at developing, testing and monitoring technical skills necessary to perform emergency response operations. A drill may be a component of an exercise. Each drill will be evaluated by the coordinator for that particular drill.

In addition to the required exercise, drills will be conducted at the frequencies listed below:

* Communications Drills

Communications between the facility owners/operators and state and local governments will be tested to assure operability. Communications between the facilities, state and local EOCs and on-scene personnel will be tested annually. The test of communications with on-scene teams will be part of the exercises.

Section 13: Exercises and Drills (Cont.)

* Medical Drills
Medical emergency drills involving a simulated contaminated injury and participation by appropriate local emergency medical services will be conducted as part of the exercise.

* Chemical Monitoring Drills
Monitoring drills for state and appropriate county hazardous materials monitors will be conducted as part of the exercise. These drills will include collection and analysis of sampling media, provisions for communications, and record keeping.

B. Miami-Dade County
See SoFlaLEPC above.

C. Broward County
See SoFlaLEPC above.

D. Monroe County
See SoFlaLEPC, above.

13.4 Monitoring of Drill and Exercise Requirements

A. South Florida LEPC

Each county within the District has outlined requirements and schedules for drills and exercises. These vary among counties, but all are in conformance with the federal and state requirements. For example, Miami-Dade County requires a yearly exercise coordinated jointly by the county and facility operators. Broward County has committed to exercises of various magnitudes each year for response agencies and facilities. Monroe County has indicated they will conduct yearly exercises, varying the scenarios from year to year.

There is no definitive monitoring system to make sure these exercises are being carried out and, if they are, that the recommendations provided by the critique made after the exercise or drill are being implemented. This is necessary to make sure that the plans are not stagnant but are able to respond to changing technology and knowledge.

Observation:

There is no clearinghouse to monitor drills and exercises taking place in the District.

Recommendation:

The SoFlaLEPC has requested that each county Emergency Management Office notify the LEPC Staff of upcoming emergency drills and exercises in the District. This will give LEPC members an opportunity to monitor the drills and exercises.

B. Miami-Dade County
See SoFlaLEPC above.

Section 13: Exercises and Drills (Cont.)

- C. Broward County
See SoFlaLEPC above.
- D. Monroe County
See SoFlaLEPC above.

13.5 Multi-Jurisdictional Exercises and Training

- A. South Florida LEPC Exercises

2008 SoFlaLEPC Biennial Exercise

District 11 hosted its Biennial Exercise on June 12, 2008 at the Miami-Dade Water and Sewer Douglas Road Building located in Miami.

Overview

The concept of this Table Top Exercise (TTX) was to exercise components of the LEPC's HazMat Emergency Response Plan (Plan).

Objectives

This TTX provided an opportunity for emergency response personnel to apply their knowledge of district emergency response plans as they apply to:

- HazMat Response and Decontamination
- Citizen Evacuation and Shelter-In-Place
- Responder Safety and Health

Non-responders learned about emergency response plans for hazmat events.

Scenario Overview

This hazardous materials incident is the result of the accidental release and subsequent mixing of chemicals being transported via truck through a very busy and heavily populated section of town.

Most Notable Strengths Learned

- Provided an opportunity for networking among different disciplines that are likely to work together in an emergency
- All-hazards approach employed by different players resulted in a variety of responses to the same event
- Good cross section of community responder agencies sharing information
- Allowed a better understanding of the response roles of all the various agencies involved in such events

Key Areas Requiring Further Development or Improvement

- No discussion of responder safety
- No law enforcement participation
- More exposure to and better understanding of emergency response plans

2008 SoFlaLEPC HMEP CSX Railroad Functional Exercise

As part of its HMEP Planning Grant activities, the SoFlaLEPC hosted a CSX Railroad FUNX on September 3 at Milander Auditorium in Hialeah, FL.

Overview

This CSX Functional Exercise featured emergency responders from multiple jurisdictions responding to a simulated train derailment in the City of Hialeah.

Objectives

Provide an opportunity for first responders to apply their knowledge of regional, county and local response plans as they apply to:

- HazMat Response and Decontamination
- Citizen Evacuation and Shelter-In-Place
- Onsite Incident Management Capability

Scenario Overview

This hazardous materials incident resulted from the accidental release of anhydrous ammonia caused by a train derailment.

Most Notable Strengths Learned

Major strengths were identified in the areas of ICS, hazardous materials management and decontamination, as well as citizen evacuation and shelter in place procedures. There was an excellent cross section of community responder agencies present providing for networking opportunities among different disciplines that are likely to work together in an emergency.

Key Areas Requiring Further Development or Improvement

There were no substantive areas identified for further development or improvement. Most difficulties had to do with the venue and setup and the unfamiliarity of many participants with rail specific issues.

2010 SoFlaLEPC Biennial Exercise

The South Florida LEPC hosted its Biennial Exercise on June 4, 2010 at the City of Sunrise Civic Center in Sunrise, Florida.

Overview

The concept was to exercise components of the LEPC's HazMat Emergency Response Plan (Plan). The Plan is updated annually.

Objectives

This TTX provided an opportunity for emergency response personnel to apply their knowledge of district emergency response plans as they apply to:

- HazMat Response and Decontamination
- Environmental Health
- Onsite Incident Management
- Responder Safety and Health

Section 13: Exercises and Drills (Cont.)

Scenario Overview

This hazardous materials incident started as a sulfuric acid spill as a result of a cargo van accident, which also damages a radiation scanner stored in a nearby construction trailer.

Most Notable Strengths Learned

- The HazMat teams in the Region exhibited a high level of training and expertise
- The scenario presented as part of this exercise did not tax the hazmat response capabilities of the individual teams or the Region

Key Areas Requiring Further Development or Improvement

- Although all hazmat teams would respond to mutual aid calls, not all entities have existing and current MOUs in place
- Radio communications in Miami-Dade employ clear-talk while those in Broward still make use of q-calls

2012 SoFlaLEPC Biennial Exercise

The South Florida LEPC hosted its Biennial Exercise on June 7, 2012 at the South Florida Regional Planning Council in Hollywood, Florida. The exercise was also carried out as part of the HMEP Planning Grant activities for the year.

Overview

The concept of this exercise was to provide participants with an opportunity to evaluate current local response concepts, plans and capabilities as they apply to the SoFlaLEPC's HazMat Emergency Response Plan during a chemical accident.

Objectives

The primary goal of this exercise was to assess and examine the capabilities of regional responders when coordinating the management of a multi-jurisdictional specialized response to a hazardous material incident.

Scenario Overview

The driver of a tractor trailer carrying a large quantity of drums loaded with Phosphorus TriChloride suffers a series of brief medical blackouts while driving south along US 27 in western Miami-Dade and Broward. A number of the drums are dropped along the way causing major spills at three different locations.

Most Notable Strengths Learned

- First responders from different agencies work well together and are able to assist neighboring communities during emergencies
- The scenario presented during the exercise did not heavily tax the Region as a whole, although individual agencies had to invoke mutual aid assistance

Key Areas Requiring Further Development or Improvement

- Inter-County coordination and coordination
- Review of communications capabilities

2014 SoFlaLEPC Biennial Exercise

The South Florida LEPC hosted its Biennial Exercise on June 25, 2014 at the South Florida Regional Planning Council in Hollywood, Florida. The exercise was also carried out as part of the HMEP Planning Grant activities for the year.

Overview

The purpose of this exercise was to test portions of this HazMat Plan and provide participants an opportunity to evaluate current response and recovery concepts, plans and capabilities for the Region.

Objectives

The exercise objectives were to test aspects of the South Florida LEPC HazMat Plan and coordination and collaboration among agencies responding to a major rail incident.

Scenario Overview

There were three different scenarios used in the exercise: An FEC train traveling through Broward County carrying hazmat derails due to a construction accident; a major chlorine leak during off-loading of a rail tank car at the Alexander Orr WTP in Miami-Dade and a major sodium hydroxide spill from a rail tank car in Hialeah due to an accident with a tractor trailer.

Most Notable Strengths Learned

- Existing response policies and procedures already address rail accidents
- There is good interaction between fire/hazmat first responders, local environmental and emergency management agencies and those from the State

Key Areas Requiring Further Development or Improvement

- Reinforce notification channels from first responders to local hospitals
- Provide continued training to facility personnel

2016 SoFlaLEPC Biennial Exercise

The South Florida LEPC hosted its Biennial Exercise on June 30, 2016 at the South Florida Regional Planning Council in Hollywood, Florida. The exercise was also carried out as part of the HMEP Planning Grant activities for the year.

Overview

The purpose of this exercise was to test portions of this HazMat Plan and provide participants an opportunity to evaluate current response and recovery concepts, plans and capabilities for the Region.

Objectives

The exercise objectives were to test aspects of the South Florida LEPC HazMat Plan and and coordination and enhance regional response to an LNG transport emergency.

Scenario Overview

Participants had an opportunity to be informed on LNG characteristics and learn firsthand from a local producer and regional railroad about current and future usage plans. In addition, a major HazMat Team discussed its response plans.

Section 13: Exercises and Drills (Cont.)

Participants were then presented two distinct scenarios involving LNG incidents and encouraged to apply their knowledge of agency emergency response plans.

Most Notable Strengths Learned

- LNG producers, shippers, users and responders were able to openly discuss their issues and concerns in an open forum.
- South Florida is home to seven hazmat teams who often backup one another across jurisdictions. Team members are generally well acquainted with one another and frequently work and train together.

Key Areas Requiring Further Development or Improvement

- Need for continued cooperation between first responders and LNG producers, shippers and users
- Response plans need to be updated to reflect specific and unique needs for LNG incidents.

2018 SoFlaLEPC Ammonia Tabletop Exercise

The South Florida LEPC hosted its annual exercise on September 20, 2018 at the South Florida Regional Planning Council in Hollywood, Florida. The exercise was also carried out as part of the HMEP Planning Grant activities for the year.

Overview

The purpose of this exercise was to test portions of this HazMat Plan and provide participants an opportunity to evaluate current response and recovery concepts, plans and capabilities for the Region.

Objectives

The exercise objectives were to test aspects of the South Florida LEPC HazMat Plan and enhance regional response to an Anhydrous Ammonia transport emergency.

Scenario Overview

Participants had an opportunity to be informed on Ammonia characteristics and various uses as well as different methods employed for its bulk transport.

Participants were then presented two distinct scenarios involving Ammonia incidents and encouraged to apply their knowledge of emergency response plans.

Most Notable Strengths Learned

- Facilities and responders were able to openly discuss their issues/concerns.
- Facilities are aware of reporting requirements and have on-staff expertise to manage emergencies until responders arrive.

Key Areas Requiring Further Development or Improvement

- Responders need access to local facility expertise during an incident and can benefit from knowledge of facility mechanical features.
- Citizens and affected communities will always benefit from rapid notification in the event of an emergency.

2019 SoFlaLEPC Rail Exercise

The South Florida LEPC hosted its annual exercise on June 19, 2019 at the South Florida Regional Planning Council in Hollywood, Florida. The exercise was also carried out as part of the HMEP Planning Grant activities for the year.

Overview

The purpose of this exercise was to test portions of this HazMat Plan and provide participants an opportunity to evaluate current response and recovery concepts, plans and capabilities for the Region.

Objectives

The exercise objectives were to enhance the capabilities of multi-agency/multi-jurisdictional responses to hazmat rail incidents.

Core/Target Capabilities

- Environmental Response/Health and Safety
 - Responder Safety and Health
 - HazMat Response and Decontamination
- Incident Command System

Most Notable Strengths Learned

- The exercise provided an opportunity for networking among different disciplines that are likely to respond to an emergency. Responders were able to openly discuss their issues and concerns in an open forum. There is an ongoing dialog between all concerned that will greatly benefit the region.
- South Florida is home to seven hazmat teams who backup one another across jurisdictions within each County. In Broward County, intra-county teams are generally well acquainted with one another and frequently work and train together.

Key Areas Requiring Further Development or Improvement

- No major failures or mission-critical omissions were found during the exercise.
- Several important issues were brought to light.
- Citizens and affected communities will always benefit from rapid notification in the event of an emergency.
- Inter-County HazMat Teams should become better acquainted with each other's equipment and personnel.

14. TRAINING

14.1 General

This section outlines requirements for a training program to assure that hazardous materials emergency response training is provided for emergency personnel responsible for decision-making, planning and response.

14.2 Annual and Refresher Training

The purpose of subsection 14.2 is to describe the annual and refresher training requirements for emergency response personnel within the District.

A. South Florida LEPC

As stated in the State of Florida Comprehensive Emergency Management Demonstration Plan for Hazardous Materials, each local government entity within the District is responsible for assuring that local emergency response personnel receive adequate hazardous materials training annually. Records will be updated periodically to reflect refresher training.

The type of training required by each emergency response agency/organization is identified in Figure 14.2-1.

In 40 CFR 311, the Environmental Protection Agency (EPA) adopted training rules promulgated by the Occupational Safety and Health Administration in 29 CFR 1910.120 which require specific training for all "public employees" who respond to hazardous materials incidents, effective date of this rule, depending on the duties and functions performed by each. However, all employees must complete the training or demonstrate competency at their respective level of response.

These levels include:

- First Responder Awareness Level
- First Responder Operations Level
- Hazardous Materials Technician
- Hazardous Materials Specialist
- On-Scene Incident Commander

B. Miami-Dade County See SoFlaLEPC above.

C. Broward County See SoFlaLEPC above.

D. Monroe County See SoFlaLEPC above.

Figure 14.2-1

Training Need	HazMat Team	Fire & Rescue	Law Enf.	Emer. Medical	Public Health	Emer. Mgmt.	Support Agencies	School Board	Hospitals	Fac. Opr.
1 st Responder Awareness Level	X	X	X	X	X	X		X	X	X
1 st Responder Operations Level	X	X				X				X
Hazardous Material* Technician	X									
Hazardous Materials Specialist	X									
On-Scene Incident Command	X	X								
Safety Operations	**		X	X						
Use of Protective Clothing and Equipment	**	X		X		X				
Decontamination Procedures	**	X		X					X	
Treatment of Contaminated Patient Injuries		X		X					X	

X Training required for personnel carrying out operational management responsibilities.
 ** These training modules are covered in the Hazardous Material Technical training level and are required for supervisory personnel needing additional training beyond First Responder Levels.

14.3 Schedule and Availability of Training

The purpose of subsection 14.3 is to describe the availability and scheduling of training programs for local emergency response personnel.

Observations:

- a) The federal requirements for public response to a hazardous materials incident, as promulgated by the U.S. Environmental Protection Agency, establish competency based standards.
- b) The Florida State Emergency Response Commission (SERC) developed and published Guidelines for Public Sector Hazardous Materials Training in March 1998.

Recommendations:

- a) The Training Opportunities Technical Advisory Committee and staff should initiate dialogue with the staff of the State Emergency Response Commission to discuss the adoption of quantifiable (hours) state standards or the adoption of state recommendations for annual and refresher training of public personnel.
- b) The Training Opportunities Technical Advisory Committee may explore establishing quantifiable standards for public personnel within the South Florida LEPC.

A. South Florida LEPC

Training Opportunities in the District

During FY2006-2007, the following training courses were offered:

- CSX Railroad presented a one-day Table Top Exercise for the benefit of the LEPC on March 20, 2007. The event was hosted by the Broward County Emergency Management Agency in Plantation.
- HazMat Chemistry – 8hr class July 20 at SFRPC in Hollywood
- Chemical Compatibility and Storage – 8-hour class August 14 and 15 at SFRPC in Hollywood
- ALOHA for HazMat Technicians – 8hr classes September 5, 6 and 7 at Miami-Dade EOC
- Clandestine Drug Lab Operations for First Responders – 24hr class September 25-27 at the Miami-Dade Police Department Training Bureau

During FY2007-2008, the following training classes were offered:

- Clandestine Drug Lab Awareness for First Responders Class – 8hr class May 28 at Miami-Dade WASD
- Chemical Compatibility and Storage – 8hr classes June 19 and August 14 at SFRPC in Hollywood and October 30 in Key West
- HazMat Awareness – 8hr class September 29 at SFRPC in Hollywood
- Proper use of ERGs and CHEMTREC – 4hr sessions October 15 and 16 at Miami-Dade WASD

Section 14: Training (Cont.)

During FY2008-2009, the following training courses were offered:

- Chemical Compatibility and Storage – 8hr class January 29 at Miami-Dade DERM
- HAZWOPER Refresher – 8hr classes May 5 at Florida Keys College in Key West and July 21, 22 and 23 at Miami-Dade DERM
- WMD/HazMat Awareness – 8hr class May 6 at Monroe Fire Academy
- HazMatIQ – 8hr classes June 23 at Miami FD and June 24 at SFRPC in Hollywood

During FY2009-2010, the following training courses were offered:

- HazMat Awareness – 8hr class April 28 at Monroe County Sheriff's Office in Marathon and September 30 at Florida Keys College in Key West
- HazMatIQ – 8hr classes June 10 at Miami FD and June 11 at Hollywood FR
- HAZWOPER Refresher – 8hr classes July 27, 28 and 29 at Miami-Dade DERM, August 24 at Miami Beach Convention Center and September 28 at FIU Tamiami Campus

During FY2010-2011, the following training courses were offered:

- HazMat Awareness – 8hr class June 9 at Monroe County Sheriff's Office in Tavernier
- HazMatIQ – 8hr classes May 31 at Miami FD and June 1 at Hollywood FD
- HAZWOPER Refresher – 8hr classes April 28 at Federal Corrections Institution in Miami, May 17 and 18 at Broward EOC and July 6, 7 and 8 at Miami-Dade DERM

During FY2011-2012, the following training courses were offered:

- HAZWOPER Refresher – 8hr classes March 14 and 15 at Broward EOC, July 25, 26 and 27 at Miami-Dade DERM
- HazMatIQ – 8hr classes April 19 at Miami-Dade FR and April 20 at Hollywood FR
- Chemical Compatibility and Storage – 8hr class June 14 at Broward EOC
- Chemical Suicide Response – Four 4hr sessions June 26 in Tavernier and Marathon and June 27 in Marathon and Key West

During FY2012-2013, the following training courses were offered:

- HAZWOPER Refresher – 8hr classes March 26 and 27 at SFRPC in Hollywood, June 11 at Miami Beach FD, June 26 at FIU and July 29, 30 and 31 at Miami-Dade DERM
- HazMatIQ – 8hr classes May 1 at Ft. Lauderdale FR & May 2 at Hialeah FD

During FY2013-2014, the following training courses were offered:

- Chemistry of Biofuels Production – Two 4hr sessions October 7 at Broward County Environmental Protection and Growth Management Department
- CAMEO Refresher – 8hr class June 19 at SFRPC in Hollywood

Section 14: Training (Cont.)

- DOT HazMat/HazWaste in Transportation - 8hr classes at MD WASD October 3 and November 22
- TRANSCAER/CSX Safety Train - Two days of hands-on training on February 4 and 5 in Fort Lauderdale
- HAZWOPER Refresher - 8hr classes March 18 and 19 at the Broward EOC, July 30, 31 and August 1 at Miami-Dade DERM and November 13 at the Broward EOC
- HazMat Chemistry - 40hr class July 21-25 at Hollywood FR
- HazMat Technician I - 40hr class October 27-31 at Hollywood FR
- HazMat Technician II - 40hr class November 10-14 at Hollywood FR
- HazMat Technician III - 40hr class December 1-5 at Ft. Lauderdale FR

During FY2014-2015, the following training courses were offered:

- E-Plan/How-to-Comply - 8hr class February 4 at SFRPC in Hollywood
- HAZWOPER Refresher - 8hr classes March 18 and 19 at Broward EOC, June 25 at FIU Tamiami Campus and July 27, 28 and 29 at Miami-Dade DERM
- Chlorine in Transportation - Three 20hr classes at Miami-Dade FR July-Aug
- HazMat 160 - 160hr class at Miami-Dade FR August to September

During FY2015-2016, the following training courses were offered:

- HazMat Training Symposium - Sponsorships for eight Jan 20-22
- E-Plan/How-to-Comply - (2)2hr sessions February 10 at SFRPC
- HAZWOPER Refresher - (2)8hr classes March 17 & 18 at Brow EOC
- HazMat 160 - 160hr class for MFR and HFR from June 6 to July 1
- LNG Training - (2)8hr classes June 28 & 29 at Broward Fire College
- HAZWOPER Refresher - (2)8hr classes August 4 & 5 at MD DERM
- HAZWOPER Refresher - (1)8hr class September 16 at FIU

During FY2016-2017, the following training courses were offered:

- CAMEO @ TCLEPC - Sponsorships for two on December 13-15
- HazMat Training Symposium - Sponsorships for 16 at Daytona on Jan 16-20
- E-Plan/How-to-Comply - (2)2hr sessions at SFRPC on February 10
- 8hr OSHA HAZWOPER Refresher - Broward EOC on March 16 & 17
- NASTTPO Conference - Sponsorships for three at Cocoa Beach on May 8-12
- 8hr OSHA HAZWOPER Refresher - MD DERM on July 18, 19 & 20
- HazMat IQ Technician - Miami FR on August 15, 16 & 17
- 160hr Hybrid HazMat Tech - Deerfield Beach from October to December
- 8hr OSHA HAZWOPER Refresher - MD WASD on December 1

During FY2017-2018, the following training courses were offered through May:

- HazMat Training Symposium - Sponsorships for 20 at Daytona on Jan 16-19
- E-Plan/How-to-Comply - (2)2hr sessions at SFRPC on February 14
- 160hr HazMat Tech - Miami FR from February-March
- 8hr OSHA HAZWOPER Refresher - Broward EOC, Plantation on March 15
- 160hr Hybrid HazMat Tech - Hollywood FR from May-June
- Other Training Pending

Section 14: Training (Cont.)

During FY2018-2019, the following training courses were offered through May:

- HazMat Training Symposium – Sponsorships for 27 at Daytona on Jan 22-25
- E-Plan/How-to-Comply – Two sessions at SFRPC on February 6
- Gasoline Tanker Emergencies - Miami FR on February 25, 26 and 27
- 8hr OSHA HAZWOPER Refresher – Broward EOC, Plantation on March 12
- 160hr Hybrid HazMat Tech – Fort Lauderdale FR from March to May
- 160hr Hybrid Hazmat Tech – Key West FD from April to June
- 8hr OSHA HAZWOPER Refresher – MD DERM on July 24 and 25 (pending)
- Other Training Pending

During FY2019-2020, the following training courses were offered through May:

- 8hr OSHA HAZWOPER Refresher at FIU on November 13, 2019 (21 students)
- HazMat Training Symposium January 21-24, 2020 (28 sponsorships)
- 160hr Hybrid HazMat January-February 2020 for MCFR (25 students)
- FDEM E-Plan How-to-Comply training February 19, 2020 (56 students)
- 8hr OSHA HAZWOPER Refresher Broward EOC March 10, 2020 (46 students)

During FY2020-2021, the following training courses were offered through May:

- Virtual 8hr OSHA HAZWOPER Refresher Course for Broward Environmental & Consumer Protection (50 students)
- Virtual 8hr OSHA HAZWOPER Refresher Course for Miami Water and Sewer Department (306 students)
- 160hr Hybrid HazMat April-May 2021 for Broward HazMat Responders (25 students)

- B. Miami-Dade County - See SoFlaLEPC above.
- C. Broward County - See SoFlaLEPC above.
- D. Monroe County - See SoFlaLEPC above.