Monroe County

Florida

Radiological Emergency Preparedness Plan AND Standard Operating Procedures

2016

Monroe County Department of
Emergency Management
490 63rd Street Marathon,
FL 33050 (305) 289-6018
www.monroecounty-fl.gov

Information Hotline: 800-955-5504

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Plan's Revisions:
December 2010
January 2012
April 2013
October 2014
January 2016
July 2016

ACRONYMS

ALS	Advanced Life Support
ARC	American Red Cross
BLS	Basic Life Support
CTMT	Containment
DEM	Division of Emergency Management
DFO	Disaster Field Office
DMAT	Disaster Medical Assistance Team
DOH	Department of Health
EAS	Emergency Alert System
EC	Emergency Coordinator
EIM	Emergency Information Manager
EM	Emergency Management
EMS	Emergency Medical Services
ENC	Emergency News Center
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPZ	Emergency Planning Zone
ETA	Estimated Time of Arrival
FDEM	Florida Division of Emergency Management
FDLE	Florida Department of Law Enforcement
FDOC	Florida Department of Corrections
FDOT	Florida Department of Transportation
FEMA	Federal Emergency Management Agency
FHP	Florida Highway Patrol
FMP	Florida Marine Patrol
FP&L	Florida Power and Light
GM	Geiger Mueller Probe
HRD	Hot Ring Down
HZ	Hot Zone
KI	Potassium Iodide
KLVAC	Key Largo Volunteer Ambulance Corps
KLVFD	Key Largo Volunteer Fire Department
LGR	Local Government Radio
MCPW	Monroe County Public Works
MCSB	Monroe County School Board
MCSO	Monroe County Sheriff's Office
MERL	Mobile Emergency Radiological Laboratory
mR	Milli-Roentgen
MTCP	Marine Traffic Control Points
NAWAS	National Warning System

ORC	Office of Radiation Control
PAR	Protective Action Recommendation
PCS	Primary Coolant System
PDA	Personal Decontamination Area
PIO	Public Information Officer
PPE	Personnel Protective Equipment
PWR	Pressurized Water Reactor
RCS	Reactor Coolant System
RM	Recovery Manager
RRT	Radiological Response Team
SEOC	State Emergency Operations Center
SERT	State Emergency Response Team
SIS	Safety Injection System
SOP	Standard Operating Procedure
SWP	State Warning Point
TCP	Traffic Control Points
TLD	Thermolumenescent Dosimeter
TSC	Technical Support System
TVFD	Tavernier Volunteer Fire Department
USCG	United States Coast Guard
VSS	Vehicle Shower System
WZ	Warm Zone

GLOSSARY

-A-

Alert – An Alert indicates a relatively minor incident at a nuclear facility, which could potentially affect reactor safety. It is the second stage of the four stages Emergency Classification System.

Alpha Radiation – Emission of positively charged particles from nucleus of an atom. Alpha radiation cannot penetrate the outermost layer of human skin. It can travel only about two centimeters in air, and is therefore only a hazard to humans if inhaled or ingested.

-B-

Beta Radiation – Emission of negatively charged particles (electrons) from the nucleus of an atom. It is of sufficient size and energy to be both an external and internal threat to human beings. A beta radiation emitting substance can produce thermal-type burns on the skin, and can result in serious biological effects if inhaled or ingested.

-C-

Containment (CTMT) – The reinforced cement structure housing the reactor vessel.

Contamination – The deposition of radioactive materials that is above normal background levels on the surface of structures, areas, objects, or personnel.

Curie – A unit of radioactivity equal to 37 billion disintegrations per second.

-D-

Decontamination – A process by which unwanted radioactive material is removed from a person or object.

Dose – A general term denoting the total quantity of radiation or energy by a human.

Dose Rate – The radiation dose delivered per unit of time (measured, for example, in *Rem per hour*).

Dosimeter – An instrument which measures a person's total accumulated exposure to radiation. There are several types of dosimeters. In Monroe County, two types are used: The self-reading pocket dosimeter measures specific range of gamma radiation; and the thermolumenescent dosimeter (TLD) measures a wide range of the three (3) types of radiation, but must be read later in a laboratory.

-E-

Emergency Classifications – A four-stage emergency classification system imposed following the Three Mile Island Accident. The classifications are: Unusual Event, Alert, Site Area Emergency, and General Emergency. Only the last two classifications might involve the release of radioactive materials.

Emergency Coordinator (EC) – The title assumed by the Plant Supervisor-Nuclear or member of the plant management staff in the event of a radiological emergency at the Plant. The EC is responsible for notifying off-site authorities and has full authority and responsibility for all on-site emergency response actions.

Emergency Information Manager (EIM) – The Florida Power and Light (FPL) representative who will be the primary company spokesperson during emergencies.

Emergency Operations Center (EOC) - A government facility where decision-makers go to coordinate and implement response to an emergency.

Emergency News Center (ENC)– The ENC is a place, where the utility, federal, state, and local governments cooperate in the development and dissemination of public information.

Emergency Planning Zone (EPZ) – An area around a nuclear facility where a certain level of emergency preparedness is required by federal law. There are two EPZs: The 10-Mile EPZ is an area in which the utility and local governments must prepare for the direct effects of a radioactive release. The 50-Mile EPZ is an area in which the government must be prepared to address the ingestion of radioactive materials through contaminated dairy products, farm products etc.

Emergency Response Directors – FPL terminology for Metro-Dade and Monroe County Emergency Management Directors.

-F-

Fission – The process by which radioactively decaying material releases particles or energy which then strike other atoms, causing additional radioactive decay. A by-product of fission is heat, which is used to produce electricity.

-G-

Gamma Radiation – A form of a very powerful electromagnetic radiation. Gamma radiation is a wave of energy, and has sufficient power to easily pass through all but dense shielding material, such as lead. Gamma radiation is an external hazard to the humane body. Any exposure to gamma radiation results in negative effects upon living organisms. High exposure over short periods of time can be deadly.

General Emergency – A general Emergency is a full scale accident at a nuclear facility involving, or potentially involving the release of significant levels of radiation. It is the final stage of the four stage Emergency Classification system.

-H-

Host County – A county designated to receive and care for evacuees from a Risk County.

Hot Leg – Water in the primary reactor coolant system coming from the core to the steam generator. See also Cold Leg.

Hot Ring Down (HRD) – A dedicated telephone system which serves as the primary means of emergency communication between FPL, Turkey Point, state agencies, and the counties.

-I-

In-Place Sheltering – A procedure employed to protect the public from low levels of ambient radiation, or when evacuation is not a reasonable option. In-Place sheltering requires the public in a defined geographic area to remain indoors with doors and windows closed until the danger has passed.

-M-

MERL – Mobile Emergency Radiological Laboratory operated by the HRS Office of Radiation Control. Used fro environmental sampling and analysis is response to a radiological accident.

-N-

National Warning System (NAWAS) – A dedicated telephone system linking Monroe County to the State and Federal governments. May also be used as a secondary communications system in the event of a Turkey Point Emergency.

-O-

Off-Site – All land and water areas outside the owner (Turkey Point) protected area.

On-Site – All land and water areas within the owner (Turkey Point) protected area.

-P-

Plume – A three dimensional field of radiation, blowing downwind from a point source, spreading as it travels downrange.

Potassium Iodide – Also abbreviated KI, potassium iodide is a chemical blocking agent for radioiodine (which may be released in a Turkey Point emergency). KI prevents the thyroid from absorbing the radioactive iodine by saturating it with stable iodine.

Pressurized Water Reactor (PWR) – A Turkey Point type reactor in which water around the radioactive core is kept under high pressure so that it does not boil. The heat from this closed loop of water is then conducted to a second loop of water, which turns into steam and drives turbines to generate electricity.

Primary Coolant System (PCS) – See Reactor Coolant System.

Protective Action Guide – The projected dose commitment values to individuals in the general population that warrant protective action following a release of radioactive material.

Protective Action Recommendation (PAR) – A recommendation made by Florida Power & Light and/or the Human Resource Services office of Radiation Control to the state and local governments, regarding procedures to be implemented for the protection of the public. This may include evacuation, in-place sheltering, and other.

-R-

Radiological Response Team (RRT) – Comprised of members of Key Largo Volunteer Ambulance Corporation, Key Largo Volunteer Fire Department, Tavernier Volunteer Fire Department. Members are trained to respond to Radiological Emergencies.

Reactor Coolant System (RCS) – The primary cooling water system for the reactor core.

Recovery Manager (RM) – A designated company senior manager who will have responsibility for managing FPL off-site emergency response activities.

Risk County – Any county within the 10 miles Emergency Planning Zone.

-S-

Safety Injection System (SIS) – A system to inject additional cooling water into the reactor coolant system (RCS) to replace any water lost by accident. SIS water can be pressurized if necessary, and can inject water saturated with boron to chemically inhibit further fission.

SCRAM – Automatic or manually operated procedure where control rods are introduced into the reactor core to prevent continued fission. This shuts down the plant.

Site Area Emergency – Site area Emergency indicates a significant problem at a nuclear facility, which does involve reactor safety, and does or may involve the release of radiation, although the amount released, should not be significant enough to affect off-site population. This is the third stage in the four stage Emergency Classification system.

-T-

Technical Support Center (TSC) – A designated on-site facility that serves as a work area for use by technical support to Control Room personnel.

-U-

Unusual Event – An Unusual Event is a minor incident at a nuclear facility, which does not affect reactor safety. The first stage in a four stage Emergency Classification system.

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July 2016

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INTRODUCTION

The Turkey Point Nuclear Power Plant is operated by the Florida Power and Light (FPL) Company. It is located on the shore of Biscayne Bay, approximately 25 miles south of the City of Miami, and seven (7) miles north of the Monroe and Miami-Dade County line. Units three (3) and four (4) are twin 760 Megawatt electric nuclear power plants utilizing Westinghouse pressurized water reactors.

In the event of an emergency at the Plant, a risk to the public exists from exposure to radiation that could be released. Exposures may be received from a plume of radioactive gases as they pass overhead, or from contamination deposited on the ground as a result of fallout from the plume.

Emergencies at the Plant can range from minor incidents, which would have little or no impact on the County, to major accidents resulting in the release of radioactive elements and contaminants into the atmosphere and surrounding environment. Modeling data and past experience suggest that even a major accident at an American nuclear power plant would not cause the levels of exposure that resulted from the Chernobyl accident in the former Soviet Union.

Scope

This document will cover the county wide response to a Turkey Point Nuclear Plant accident.

How to use this plan

This plan is to be used as a general guide for the responding agencies; the responding agencies should not limit their responds or mission base on this plan.

Authority and References

Federal

- Nuclear/Radiological Incident Annex, 2004 National Response Plan.
- Federal Emergency Management Agency (FEMA) - Executive Order 12148 outlines FEMA as lead in State, tribal and local emergency planning and preparedness activities with respect to nuclear power facilities.
- Nuclear Regulatory Commission (NRC) - NRC Authorization Acts for 1980 [Public Law (PL) 96-295] and 1982-1983 (PL 97-415) links off-site emergency preparedness and facility licensing. The acts prohibit the NRC from issuing an operating license for a power plant until it determines that plans are in place which provide for reasonable assurance to public health and safety.
- Executive Order of the President, Number 12241, transfers responsibility for review and concurrence of State plans from the NRC to FEMA, establishes planning criteria, assistance priorities, off-site and funding responsibilities.
- NUREG-0654, FEMA-REP-1, Rev.1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.
- Title 10 of the Code of Federal Regulations (1O CFR 50).
- Atomic Energy Act of 1954, as amended, Public Law 83-703.
- Title 44 of the Code of Federal Regulations (44 CFR 350).

State

- Florida State Statute Chapter 252, Division of Emergency Management.
- The State of Florida Comprehensive Emergency Management Plan-Annex A, The State of Florida Radiological Emergency Management Plan.
- Florida Radiological Protection Act, Florida Nuclear Code and Southern Industrial Nuclear Compact Law, as amended (Chapter 404, Florida Statutes). Governor's Executive Order 80-29, April 14, 1980.
- Southern Mutual Radiological Assistance Plan (SMRAP), Southern States Emergency Response Council.
- State of Florida Bureau of Radiation Control Department of Health - Radiological Emergencies, Standard Operating Procedures.

Local

- Monroe County CEMP establishes the duties of the Monroe County Department of Emergency Management to provide for the effective direction, control, and coordination of Monroe County government, disaster management services, personnel, and to provide collaboration with other governments and the private sector. The MCREP Plan establishes the overall control and management of emergency events resulting from a Turkey Point Nuclear Power Plant accident.

Distribution

Hard copies of this plan can be distributed to any county and/or municipal responding agency, electronic format of this plan via e-mail can only be send as a PDF file.

PROCEDURES SECTION

General Information

Emergency Planning Zones (EPZ)

Emergency Planning Zones are areas where emergency measures to protect the public may become necessary. Two zones have been identified: the Plume Exposure Pathway and the Ingestion Exposure Pathway. These zones extend ten (10) and fifty (50) miles around the plant, respectively.

Areas

The Plume Exposure Pathway encompasses the 10-mile area around the Plant and is divided into 10 evacuation areas. Wind speed and direction will determine the area(s) that could require evacuation if a radioactive release occurs. Areas one (1) through nine (9) are located within Miami-Dade County. Area 10 encompasses Ocean Reef, a private community in upper Key Largo in Monroe County. While the main focus of emergency planning concerns mainland Miami-Dade County, coastal bay areas may also be affected. These include Biscayne Bay, Biscayne National Park, and a portion of John Pennekamp Coral Reef State Park .

Ingestion Exposure Pathway (IEP)

The IEP extends from the Plant outwards to fifty (50) miles in every direction. This pathway is established to account for the effects of a radioactive release and the potential for contamination of water and food sources, including milk, fresh vegetables, fish, and seafood. In general, ingestion exposure represents a long-term problem.

Nuclear Plant Emergency Classifications

There are four (4) classes of emergencies have been established to define emergency conditions at a nuclear plant. This emergency classification system will typically develop sequentially. However, the possibility exists that an accident at the plant could result in the immediate declaration of any of the emergency classes.

1. Unusual Event
   Unusual events are situations that either are in the process of occurring or have occurred, which indicate a potential degradation of the level of safety of the plant, or indicate a security threat to facility protection has been initiated.

2. Alert
   Events are in process or have occurred, which involve an actual or potential substantial degradation of the level of safety of the plant, or a security event that involves probable life threatening risk to site personnel, or damage to site equipment because of hostile action.

3. Site Area Emergency
   Events are in process or have occurred, which involve actual or likely major failures of plant functions needed for protection of the public, or hostile action that results in intentional damage or malicious acts; (1) toward site personnel or equipment that could lead to the likely failure of, or; (2) prevent effective access to, equipment needed for the protection of the public.

4. General Emergency
   Events are in process or have occurred, which involve actual or imminent substantial core degradation or, melting with potential for loss of containment integrity, or hostile action that results in actual loss of physical control of the facility.

Command and Control

Monroe County Emergency Management Department Director and the Monroe County Emergency Management Department Radiological Emergency Preparedness Administrator have primary responsibility for implementing protective actions to reduce risks to the general public. The Monroe County Radiological Emergency Preparedness Administrator or his/her designee will be the Incident Commander (IC). The Director of the Emergency Management Department will be responding from the FP&L EOF location in Miami. The initial response to an emergency at the Plant, with the potential for a radiological release, will be directed from the REP EOC, located at the Tavernier Fire Station, 151 Marine Ave, Tavernier. Emergency Management Department is the lead agency for Monroe County's response to a radiological emergency at Turkey Point Nuclear Plant. Activation of the EOC may occur upon notification of any emergency classification of an Alert or higher.

In accordance with F.S. 252.311, paragraph 3, State policy for responding to disasters is to support local emergency response efforts. In the case of a major disaster, however, the needs of residents and communities will likely be greater than local resources. In these situations, the State will provide effective, coordinated, and timely support to the affected communities and the public. The Florida Division of Emergency Management (FDEM) is the lead agency for State response and their response role is outlined in their Radiological Emergency Management Plan. FDEM coordinates State agency response to emergency situations at the Plant. The State Emergency Response Team (SERT) Chief is the designated Deputy State Coordinating Officer and will coordinate and direct all State support assets in the area. The State Coordinating Officer retains overall control of the State's response to the event.

The Emergency Operations Facility (EOF) is located at the Florida Power and Light (FPL) General Offices at 9250 West Flagler Street and is activated at the direction of the FPL Recovery Manager upon classification of an Alert or higher. The EOF collects and analyzes plant data in order to establish company policy and provide initial accident assessment information. FPL personnel at the EOF will give protective action recommendations to the risk county and State emergency response organizations.

Monroe County is represented at the EOF by the Emergency Management Director and support staff such as executive staff and Public Information Officers (PIO), who is located at the ENC.

The Emergency News Center (ENC) is co-located with the EOF at the FPL General Offices at 9250 West Flagler Street. PIOs from the Miami-Dade Department of Communications, Fire Rescue Department, and Police Department may represent Miami-Dade County at the ENC. Frequent press conferences and press releases allow for complete media coverage of emergency conditions and applicable response actions by authorities.

The Turkey Point Control Room monitors and regulates all internal nuclear reactor functions at Turkey Point. Instruments in the Control Room give early warning of a potential emergency and provide continuous monitoring of emergency situations.

The Technical Support Center located at Turkey Point provides in-depth diagnostic and engineering analysis. Health Physicists collect and analyze release data and develop initial off-site protective action recommendations until the EOF is activated.

In addition to the above-mentioned facilities, field sites will be assembled in support of emergency operations for an accident at Turkey Point, the field sites are:

- Emergency Reception Center (ERC)

  The (ERC) is located at the Key Largo Elementary School. The primary function at this site is the monitoring and decontamination of people. It will also host registration, temporary sheltering facilities, Potassium Iodide (KI) distribution and other emergency services as necessary. The American Red Cross and the M.C. Department of Health is responsible for response activities at this location.

Preparation

Radiological Emergency Response Training and Exercises

Radiological response training is a major component of the MCEM REP Program. The training plan is designed to ensure that first responders and support personnel are familiar with their roles and responsibilities in responding to a Turkey Point Emergency. The MCEM REP is responsible for assuring that appropriate county emergency response personnel are adequately trained in accordance with the training levels and standards. The Monroe County REP responders participate in annual, non-graded exercises and drills, in conjunction with the Miami-Dade Emergency Management, Florida Power and Light, and the State Division of Emergency Management. Training in preparation for graded, and non-graded, exercises is provided accordingly. After action meetings are conducted and improvements are implemented based on participants, observers, and evaluators feedback. Training emphasis will be placed on areas which indicate weakness in knowledge, and/or performance. Appropriate corrective actions will be implemented via class room and hands on knowledge based training. Communications capabilities are being tested during each exercise to ensure compatibility. Monroe County communication systems are being tested quarterly by the Monroe County Communications Department and in conjunction with the Florida Division of Emergency Management and Florida Power and Light.

Updates of Plans and Letters of Agreement

The Turkey Point Plan is updated annually and delivered to all participating and concerned agencies by March. Updates to the plan included telephone numbers and KI distribution procedures.

Turkey Point Siren

The 10 mile EPZ is encompassed by an extensive siren warning system, each siren has a radius of coverage that is graphically represented by a map.

The purpose of the sirens is to alert residents that an emergency exists at the Plant. Emergency information will not be disseminated over the siren system. Residents must tune to a local television or radio station for emergency information. The Turkey Point warning sirens are tested on the first Friday of every quarter: March – June – September – December.

Medical Services (MS1) Drill

The MS1 drill is conducted mid-year and is alternated between Baptist Hospital and Mercy Hospital in conjunction with the Turkey Point and Miami-Dade Fire Rescue Mutual Aid Drill. Mariners Hospital is an activate drill participant.

Turkey Point Exercise

The Turkey Point Nuclear Exercise involves an emergency at the plant and the response of FPL and Miami-Dade County departments and agencies to a radiological release. For this exercise the EOC, EOF and the Turkey Point Technical Support Center are activated. Working together these groups demonstrate various aspects of the plan including, but not limited to, evacuation, notification, public protection measures, communications, and emergency services.

Public Education and Information

To inform the growing population of the 10 miles EPZ, about the Turkey Point Nuclear Plant, FPL and the MCEM updates and distributes a "Safety Planning for Neighbors of FPL's Turkey Point Nuclear Plant" booklet.

Emergency Facilities and Equipment/Sufficient Staffing

Operational checks are performed on radiological response equipment during the calendar year as required in accordance with NUREG-0654 and/or Miami-Dade County procedures.

Alert and notification

All classifiable emergencies at Turkey Point require alert and notification of State and local authorities by FPL. The Florida Nuclear Plant Emergency Notification Form establishes the content of notification messages. Within 15 minutes of categorizing a Plant emergency into one (1) of the four (4) recognized emergency classifications, Turkey Point's Emergency Coordinator or designee will notify the State Warning Point (SWP) in Tallahassee. The SWP is responsible for receiving notification of an emergency, verifying information contained in the notification message, and alerting local Offices of Emergency Management (OEMs) or designated Public Safety Answering Points (PSAPs) and federal emergency response agencies. In turn, affected OEMs or PSAPs will notify local response organizations. If appropriate, emergency response personnel will be called to duty using the alert and notification call-down system of the corresponding agency.

Important Telephone / Pager Numbers

Turkey Point Duty Officer	(305) 345-5985
Turkey Point Duty Officer Alt.	(305) 345-5792
FPL Public Relations	(305) 552-3888
MCEM Director	(305) 289-6065
Monroe County Administrator	(305) 292-4441
MCEM REP	(305) 289-6019
Monroe County Fire Chief	(305) 289-6006
Monroe County Deputy Chief of Operations	(305) 289-6011
Monroe County Warning Point	(305) 289-2430

Communications

Reliable communications between the Turkey Point Nuclear Power Plant and off-site government agencies is essential. There are three (3) separate communication systems that may be used. The primary system is the Hot Ring-Down, the secondary system is standard telephone line communications and the third is the Emergency Satellite Communications system (ESATCOM).

Response

Deployment of Response Forces

Monroe County response resources may be deployed as early as the declaration of an Alert. Due to the size of the required response, a field deployment is expected to require more personnel than County Departments generally have on-duty. At the direction of the IC, County Departments will recall or reassign those resources necessary to accomplish the Department's emergency responsibilities as contained in this plan and applicable SOPs. In order to expedite or facilitate the County's response to a Plant emergency, the County Mayor may declare a Local State of Emergency at the declaration of an Alert. Personnel and equipment costs for incidents that do not receive a disaster declaration will be forwarded to Florida Power and Light and/or American Nuclear Insurers for reimbursement. Additionally, for incidents in which a disaster declaration is received, costs would be documented and submitted to the Federal Emergency Management Agency (FEMA) for reimbursement. Personnel and equipment costs must be documented in accordance with Monroe County procedures and forwarded to MCEM for compilation and submission to FPL.

Alert and Notification of the Public

FPL has installed emergency warning sirens throughout the 10-mile Emergency Planning Zone. The system is made up of 47 pole-mounted sirens. Each siren rotates while delivering a wailing sound at approximately 70 decibels.

The siren system activation will occur in a timely manner (preferably within 15 minutes) of the decision to implement public protective actions. Ocean Reef Community would implement their "route alerting" and notification procedures (SOP1100), the Ocean Reef Community does not utilize sirens.

NOAA Weather Radio – EAS (NWR-EAS) receivers are located in key locations, such as hospitals, schools, government offices and nursing homes throughout the 10-mile EPZ. The system is activated by request from the MCEM to the National Weather Service.

Highway Advisory Radios can be used to alert and notify motorists that an emergency exists at the Plant. The radio signal is limited to a distance of less than ten (10) miles and relies on repetitive recorded messages which listeners can tune-in on their car radios. Pre-recorded messages will direct motorists to tune to a local radio station for emergency information. Two systems exist within the 10-mile EPZ. The Florida Turnpike Authority operates one and the Department of Transportation operates the other.

Boaters in the waters within the 10-mile EPZ will be notified of emergencies by loudspeakers from boats and aircraft operated by the following ESF-16 support agencies:

- United States Coast Guard
- Florida Fish & Wildlife Conservation Commission
- Monroe County Sheriff's Office

Boaters would be advised to tune to VHF channel 16 for emergency information.

Public Information (ESF-14)

Two (2) types of public information are addressed in this plan. The first is emergency information. It is released from the EOC via ESF-14 and is intended to inform the public about protective actions that are to be implemented. Emergency information will take the form of Emergency Alert System (EAS) messages. Copies of EAS Messages are on file at the MCEM REP desk in a binder entitled Turkey Point EAS.

Emergency information is time sensitive. Once it becomes evident that public protective action is needed, ESF-14 will transmit copies of applicable EAS messages to the national weather services and the media in a timely manner (preferably within 15 minutes) of the decision on what protective action is most appropriate. Once initial protective measures have been implemented, all subsequent EAS messages will contain a protective action component. In other words, if an EAS message instructs the public to evacuate area 10 all subsequent EAS messages will repeat the protective measure (evacuate area 10) until such time that the protective measure is no longer necessary or is superseded by another protective action. This will ensure that the public receives clear and consistent emergency information.

The second type of information addressed in this plan is general information. It is released from the Florida Power & Light Emergency News Center (ENC) and is designed to describe the nature of the accident and the actions being undertaken to mitigate or correct the emergency. It may include updated information designed to dispel rumors, describe the extent of the emergency or quell public concerns. It may also include ancillary information that supports, expands, or clarifies the required protective actions.

Agencies issuing press releases will coordinate their release with ESF-14 in order to assure that the public receives a consistent, accurate message. An example of an inconsistent message would be something like the EOC issuing a press release reassuring the public that the accident is not significant, while another agency is telling the public that facilities or services within the area of concern are being closed or curtailed due to the incident.

Both emergency information and general information will be available to the public via the Monroe County's TV Ch. 76; Emergency Information Hotline1-800-955-5504 and the County website at www.monroecounty-fl.gov.

The Monroe County Public Information Officer communicates updates with all main- stream media regarding radiological emergency events and communicates with the Monroe County REP in this capacity. The County REP Plan is posted for public view on the County website and media is directed to that link for additional information.

Protective Actions

- Accident Assessment
  Control Room personnel at the Turkey Point Nuclear Plant are responsible for conducting a technical assessment of the Plant's condition and for taking steps to correct or minimize the effects of the emergency. They will communicate initial accident assessment data and recommended protective action, if applicable, to County and State Offices of Emergency Management. As resources are deployed for the incident, the Florida Bureau of Radiation Control (BRC), FPL and federal agencies will use modeling data, plant conditions and field team information to conduct the technical assessment of the Plant's situation and make protective action recommendations to the Monroe IC at the EOF.

- Protective Action Decision Making
  Protective Action Guides have been developed by the Bureau of Radiation Control and are consistent with federal guidelines. Department of Health personnel will use EPA Protective Action Guide Manual 400-R-92-001 as a guide for recommending protective actions. Protective action options include:
    - Evacuation
    - In-place sheltering
    - Early dismissal of childcare facilities and other special facilities
    - Restricting access into affected areas
    - Preventing the consumption and distribution of food and water

The principal exposure source within the plume includes whole body exposure to gamma radiation from radioactive gas, and possibly radioactive particles. In place sheltering and/or evacuation, and controlled access would be the principal protective actions (SOP 1800).

FPL will provide recommendations for protective actions to the MCEM. The EOC can choose to accept such recommendations or implement more stringent protective actions. The information provided is based on sectors originating from the plant. These sectors are converted to geographic areas by the EOC and are reviewed for response implementation.

Evacuation

Time permitting; the decision to implement recommendations will be made jointly at the EOF by the Monroe County IC and the Miami-Dade IC and presented to the Board of County Commissioners, the Governor, or any of their authorized representatives. In instances where State involvement in initial decision-making is not possible, the decision to take protective actions for Monroe County will be made by the Monroe County Mayor, MCEM Director or the Monroe County Fire Chief. Evacuation of one (1) or more evacuation areas is the preferred method of protecting the residents of the 10-mile EPZ from radiation exposure. Evacuation orders will be implemented after consultation between the REP Emergency Operations Center and the Emergency Operations Facility on the evacuation implications (timing, traffic control, special needs, etc.).

Access control would be done by ESF-16 through the use of roadblocks and barricades at strategic points in the 10-mile Emergency Planning Zone (SOP 400). Residents and transients would be directed away from the restricted areas. Access control will primarily be enacted in conjunction with evacuations or pending evacuations, but may become necessary for other reasons. Evacuated areas will remain inaccessible to the general public until such time that sampling proves that it is safe to return into the area.

Evacuees will not be stopped along evacuation routes to check for contamination because massive traffic congestion would preclude the prompt and safe evacuation of the area. Shelter-in-Place may be ordered in place of actual, physical evacuation.

Emergency evacuation bus pick-up points have been established in key areas

Through-out the EPZ. MDT has the primary responsibility for assisting with the evacuation of the general public who may require transportation assistance. In the event of traffic impediment during evacuations, the Monroe County Sheriff's Office and the Florida Highway Patrol will be monitoring the activities of Road Rangers assistance and identified local towing companies to ensure timely traffic clearance.

The Key Largo School is the designated primary Evacuation Reception Center (ERC). Additionally, we have the ability to establish alternate ERC locations at Coral Shore High School in Plantation Key, Stanley Switlik School in Marathon, Sugarloaf Elementary School in Sugarloaf, and as far south as Key West if necessary. This would also apply to the sheltering of our general population.

Sheltering-In-Place

In-place sheltering protects individuals from becoming contaminated with radioactive material emanating from a release at the Plant. Individuals will be instructed to seek shelter inside buildings or homes, close all doors, windows or other external openings in the structure, and remain inside until otherwise instructed by the authorities. In most instances, air conditioning shut-off would not be necessary. EAS messages and press releases will contain specific guidance on appropriate protective measures. In-place sheltering would typically be done for areas that are not directly downwind from the Plant. In-place sheltering may be considered a primary protective action strategy when it is safer for the public not to evacuate. This would be the case in the following scenarios: a rapidly developing accident, when there are impediments to evacuation, or a brief release above PAG exposure levels.

Sampling

Once a release has occurred, BRC teams will take samples from exposed agriculture and water sites. Maps for recording survey and monitoring data, key land use data, dairies, food processing plants, water sheds, water supply intake and treatment plants and reservoirs will be maintained by the Florida Division of Emergency Management (FDEM).

Certain procedures can be instituted to protect food items. These include, but are not limited to:

- Quarantine of potentially contaminated milk
- Cut-off of contaminated water supplies
- Washing of all harvested produce

Additional guidance from the BRC and the Florida Department of Agriculture should be obtained prior to the implementation of the above measures to assure their adequacy under the existing conditions.

Responder Safety

All responders going into the radiation hazard area will be issued appropriate protective gear. This includes the following:

- CD V-742 High range dosimeter with a range between 0 and 200 roentgen (rem)
- CD V-138\139 Low range dosimeter with a r ange between 0 and 200 milliroentgen (mR)
- Film badge
- Pistol Grip Dosimeter charger (one dosimeter charger will be issued for every five low range dosimeters issued)
- Incident Radiation Exposure Record card (one card for every dosimeter issued)
- Potassium Iodide (KI) Instruction card
- Potassium Iodide (KI)
- Surgeon's mask / Respirators
- Latex gloves
- Eye protection

Responders going into radiation hazard areas and/or personnel conducting specific functions such as monitoring and decontamination will be required to wear a level of protection that amply allows for safe operations, following HAZMAT policies and procedure.

First responders have strict exposure limits that will be closely observed. Each organization will assign a safety officer who will be responsible for monitoring responder exposure limits and adjusting assignments as necessary to keep individual exposures within the authorized exposure limit.

The following exposure limits apply to a Turkey Point response:

- Initial exposure limit is established at 100 mR. Authorization from the IC must be given to exceed this exposure limit. It is referred to as the Callback Value since the individual exposed is directed to call back to the section supervisor upon approximating this value.
- The Turnback Value is established at 500 mR. First responders are directed to turn back from their mission upon approximating this exposure limit unless they are involved in a life-saving activity.
- Lifesaving limit is established at 25 rem. A responder will be authorized to receive this level of exposure only when involved in a lifesaving situation.

The IC or designee is authorized to increase emergency responder exposure limits in excess of 500 mR after consultation with the Department of Health Operations Officer. Approved doses will be limited to levels specified in Table 2-1 of Florida Bureau of Radiation Control SOP 2.

Whole body exposure limits for emergency workers will not exceed 25 rem projected dose unless it is on a voluntary basis and the worker is aware of the risks involved. While working in a radiation area, personnel will monitor their dosimeter every 30 minutes and record their exposure.

First responders entering the radiation hazard area will be monitored and, if necessary, decontaminated upon completion of their mission.

Emergency Worker Equipment

Contaminated tools and equipment must be thoroughly washed. If equipment is determined to still be contaminated after a thorough cleaning, it must be clearly marked as "Radioactive Material" and disposed of as radioactive waste by the BRC. Equipment that is determined to be twice background or greater will be considered contaminated.

Water used for decontamination will be redirected into collection ditches, holding ponds, or other secure areas whenever possible. The area will be monitored for residual contamination after the event has been terminated. If contamination is found, the area will remain sealed off under the control of the Department of Health.

The following are general recommended guidelines for controlling or limiting contaminated water runoff:

Trenches can be dug to direct the flow of water away from emergency workers and victims. Simple dikes can be built to contain the runoff. Plastic barriers can be used to prevent water from seeping into the earth. Contaminants will naturally be filtered out by the layers of earth and are expected to remain near the surface. Where practicable, runoff will be kept from entering closed bodies of water such as lakes and ponds. Closed water sources suspected of having become contaminated will be sampled for residual radiation levels and processed as necessary to bring it within acceptable EPA limits. Drainage systems such as storm drains are much more difficult to control for runoff. However, contaminants are expected to dilute to the point where residual radiation will be within the acceptable limits as set forth by the EPA.

Potassium Iodide

Potassium iodine (KI) may be used to saturate the thyroid gland with stable iodine. This saturation with non-radioactive (stable) iodine serves to limit the uptake of radioactive iodine to the thyroid. The medication provides protection solely to the thyroid from one substance, radioactive iodine. It is not protective against radiation and will not limit the radiation exposure of other body organs. It offers no protection against exposure of the body, including the thyroid, to radiation originating outside the body.

KI may be issued to emergency workers and those who are deemed difficult to move when authorized by the Monroe IC upon the recommendation of the BRC and County Health Officials. If the decision is made to administer KI, the drug should be given before, or as soon as possible after, an incident resulting in a release of radioactive iodine with a projected dose to the thyroid gland greater than 5 rem.

Decisions to administer KI to the general public is made by the State Health Officer and is detailed in Florida Department of Health, Bureau of Radiation Control.

KI will be administered by the County Health Department to evacuees in accordance with established protocols at the Emergency Reception Center. (Refer to Monroe County Health Department - Protocol for Potassium Iodide Distribution – SOP 1500).

People who are allergic to iodine will not be issued KI.

Emergency Services

The ERC is designed to provide health and safety assistance to the evacuating public.

- The MCFR, Key Largo Volunteer Fire Department and/or Tavernier Volunteer Fire Department personnel, in support of Monroe County Department of Health (ESF-8 Health and Medical), will set up monitoring and decontamination stations. Evacuees who are contaminated will undergo gross decontamination. Contaminated clothing will be placed in suitable containers for later disposition under the direction of the County Health Department and the Florida BRC. Radiation readings above twice background will be considered grounds for decontamination. Refer to the following SOPs:

- Every effort will be made to register and account for individual family members receiving emergency services so that loved ones can be located. The American Red Cross (ARC) will manage a Disaster Information System designed to expedite family reunification. Information will be obtained from evacuees as they are processed through the ERC. Registration consists of obtaining name, address, telephone number and destination of evacuees. The data will be tabulated and copies will be submitted to the County EOC. The ARC will use this information to assist them in reunification of family members[1].

- FPL Risk Management and American Nuclear Insurers will provide financial assistance for temporary living expenses including shelter, food, clothing, etc. to residents forced to evacuate for a Turkey Point emergency. Individuals seeking financial assistance will have to demonstrate that they have been directly impacted by the emergency actions implemented. Initially, this can be done with a driver's license or other document reflecting that the individual resided within the affected area. FPL Risk Management will not provide assistance to individuals who choose to evacuate or take other actions beyond those directed by County authorities. Risk Management and American Nuclear Insurers will deploy personnel to multiple locations where affected persons can request assistance. The EOC will establish communication with Risk Management and assist in the selection and coordination of appropriate assistance sites.

- Individuals requiring treatment for injuries not radiological in nature will be transported to hospitals in accordance with standard MCFR operating procedures. Mariners Hospital in Monroe County has the equipment and staff necessary to decontaminate and treat persons who are injured and contaminated with radioactive material, if necessary.

- Evacuees will be directed to temporary evacuation centers staffed by the American Red Cross (ARC) after receiving an initial screening and other necessary emergency services at the Emergency Reception Center. If it becomes necessary to provide shelter for an extended period of time, FPL, and the ARC will determine the feasibility of relocating evacuees to area hotels and motels.

- Coordinating the delivery of medical and health services to victims of radiological emergencies is the responsibility of the Department of Health. Local Department of Health and other public health clinics will be utilized for general health care of evacuees. Additional medical personnel will be assigned to these facilities through coordination with the Florida Department of Health.

[1] Due to the need to maintain the radiological integrity of the ERC, everyone going to this site will be monitored, and if necessary, decontaminated. In order to avoid needless monitoring and decontamination, physical reunifications will be accomplished at a site separate from the ERC.

Special Considerations

There are several groups of people and/or facilities that require specialized attention during an emergency at the Plant (within the 50-mile Ingestion Pathway radius only).

Special Needs (ESF-18)

Monroe County Social Services Department and the Monroe County Department of Health maintain a list of people needing evacuation assistance. Ambulances, buses, and wheelchair-equipped vans will be dispatched to provide transportation to the ERC or other appropriate facility.

Public Schools

If an evacuation is ordered during school hours the schools administration will dispatch school buses to pick up students and transport them outside the affected area. Families will be advised and press releases will be issued to inform families of such transport and their pick-up destination.

Residential Healthcare Facilities

Monroe County does not have such facilities within the 10-mile EPZ. However, the below would be applicable in the 50-mile Ingestion Pathway scenario.

Residential Health Care Facilities (hospitals, nursing homes, adult living facilities, intermediate care facilities, ambulatory surgical centers and adult day care) are required to have mutual aid agreements with a similar facility in the event they are required to evacuate. In case of an emergency at the Plant, Residential Healthcare Facilities within the 50-mile Ingestion Pathway will be notified by the Agency for Health Care Administration (ACHA) so they can begin preparations. Whenever possible, medical facilities will be allowed to practice in-place sheltering to prevent unnecessary trauma to patients. In cases where the incident is severe or will be extended over a long period of time, medical facilities will be required to evacuate. If necessary, Miami-Dade County Transit Authority buses, as well as ambulances, can be dispatched to complete evacuation of these facilities.

Coastal Waters

The MCEM is the lead agency for coordinating boater evacuation. The Coast Guard is responsible for coordinating the implementation of any marine safety or security zones necessary in an emergency at the Plant. The United States Coast Guard (USCG) will coordinate missions with Florida Fish and Wildlife and the Monroe County Sheriff's Office. Coast Guard Sector Miami will broadcast emergency Alert messages on Marine Channel 16 as necessary. Additionally, as available, helicopters with public address capability will sweep the area and advise vessels to clear the area and/or monitor maritime safety broadcasts for further information.

State and Federal Assistance

An emergency at the Plant may be of such significance that local resources may be insufficient to manage the situation. If the County's IC determines that State or Federal resources are needed, he will declare a local State of Emergency and formally request State/federal assistance. Requests for assistance will be made through the FDEM or the State Emergency Response Team (SERT) who will draft an Executive Order recommending that the Governor also declare a State of Emergency.

If the State Coordinating Officer (SCO) or the Governor concurs with the need for assistance as requested, s/he will activate or request assistance from one or more of the following sources:

- State agencies
- Other States with membership in the Southern Mutual Radiological Assistance Plan
- Federal agencies

When an emergency occurs at the Turkey Point Nuclear Power Plant that threatens public safety, the federal government will activate the Federal Radiological Monitoring and Assistance Plan (FRMAP). When activated, the plan calls for several federal agencies to respond to the involved nuclear plant and be prepared to assist State and local governments.

Activation of FRMAP will occur when the Department of Energy (DOE) has been notified that a radiological emergency has occurred and that an authorized person has requested federal assistance. Authorized persons are the BRC Operations Officer, for radiological monitoring and laboratory assistance, and the State Coordinating Officer in the State EOC.

The following personnel and equipment resources are available and will be provided on request:

- Radiological monitoring and environmental specialists with supporting equipment
- Aerial radiological monitoring equipment
- Fixed and mobile laboratory support
- Remote handling equipment
- Technical assistance in predicting the dispersion of radioactivity into the environment
- Medical consultation on the treatment of injuries complicated by radioactive contamination
- Technical support for emergency public information
- Department of Energy, Savannah River Operations will provide personnel and equipment to ensure liaison, coordination and communications among FRMAP agencies and appropriate State/local officials at the scene.

Recovery

Plume Footprint

One of the first functions to be accomplished after a radiological release is to replace model-based data used to project initial protective actions with actual monitoring results. The quickest and most efficient mechanism for obtaining an estimate of the release deposition is through the use of the Department of Energy's (DOE) Aerial Measuring System (AMS). AMS consists of fixed and rotary wing aircraft with radiological monitoring capability that can be deployed to conduct surveys of the affected area. AMS is only one component of the Federal Radiological Monitoring and Assessment Center (FRMAC) that is available through the Department of Homeland Security (DHS).

The State or County will request FRMAC by calling DHS as the lead federal agency (LFA) or by calling DOE directly. The County EOC will work closely with the LFA/DOE to coordinate the logistics of arriving federal support. A FRMAC Advance Party will also be deployed and will meet with the LFA, State and County to establish the initial FRMAC monitoring and sampling plan.

The FRMAC will gather radiological data to:

- Make plume and deposition predictions
- Determine air and ground concentrations
- Determine deposition patterns of isotopic concentrations, exposure rates and dose projections
- Assess isotopic concentrations in environmental and foodstuff samples

Once deployment authorization from DHS is received, AMS has a local arrival time of approximately eight (8) hours. Each aerial mission is expected to take from two (2) – three (3) hours and an additional one (1) – three (3) hours is needed to compile the results for distribution. Assessment data and associated recommendations will be forwarded to the State and County Emergency Management agencies via the FRMAC or LFA. In an effort to maximize interagency cooperation, Miami-Dade will request a FRMAC liaison be assigned to ESF-5 (Planning & Intelligence) in the EOC.

Public Protective Action Adjustment

Initial AMS flights will provide rapid, rough, residual fallout patterns and intensity of contamination deposited after the passage of the plume. Detailed radiological surveys will be performed by both aerial and grounds based survey teams to measure and map the extent of the deposition, determine exposure rates, and identify specific radionuclide and their intensities. Sufficient information regarding the need for additional protective action or reduction of any existing restrictions will become available as a result of these more detailed surveys. Areas will be opened for re-entry only when clearly definable boundaries are available (e.g. highways, streets, canals, etc.). The MC EOC, Florida BRC and FRMAC will cooperatively prepare and maintain maps identifying areas that have been and will require screening.

The MCDOH will also maintain exposure records for all Monroe County personnel involved in screening or sample collection activities.

Sampling priorities will be based on actual conditions. The IC will develop sampling priorities in coordination with FDEM and the LFA. In general, sampling priorities are:

1. Determining a rough contamination footprint
2. Non-evacuated areas where people are living that are near and/or downwind of the contamination footprint
3. Evacuated critical facilities that are not in the contamination footprint
4. Evacuated areas where people live that are not in the contamination footprint
5. Drinking water and/or open-air water treatment facilities within or near the affectedareas

Advisory Team on Environment, Food & Health

Federal protective action recommendations by the LFA will be based on advice from the Advisory Team on Environment, Food and Health, and will take into consideration United States Department of Agriculture, EPA and Health and Human Services guidance. The Advisory Team will not release information or make recommendations to the public unless authorized to do so by the LFA. Ultimately, the Advisory Team will co- locate with the FRMAC.

Medical Support for Radiological Emergencies

Mariners Hospital in Tavernier is equipped to provide medical care to people with radiological injuries or exposures. In the event that additional medical support is needed, request will be made for activation of the Radiation Emergency Assistance Center/Training Site (REAC/TS) and/or the Southern Mutual Radiological Assistance Plan. Requests for activation of these support mechanisms will be made to the LFA for REAC/TS and the FDEM for SMRAP.

REAC/TS maintains a radiological emergency response team in Oak Ridge, TN, consisting of physicians, nurses, health physicists, coordinators, and necessary support personnel that are on twenty-four (24) hour call to provide consultative or direct medical and radiological assistance.

Security of Hazard Areas

Any hot spots identified by survey teams will be marked off and secured by local and State law enforcement personnel. The Florida Department of Agriculture and Consumer Services will restrict the transportation of agricultural products until the Governor's Advisory Committee concurs that the area's products are safe.

As areas are opened for re-entry, roadblocks and other means for restricting access to that area will be relocated. ESF-16 agencies will coordinate and assist the return of evacuees into clear areas.

Equipment and Supplies

Monroe County uses CDV-771-1 kits for radiological monitoring. These kits are located on fire apparatus and at the Tavernier Fire Station. MCEM REP maintains an inventory of radiological monitoring equipment. Emergency equipment and supplies will be distributed to field command posts for issuance to field personnel at the direction of the Monroe IC.

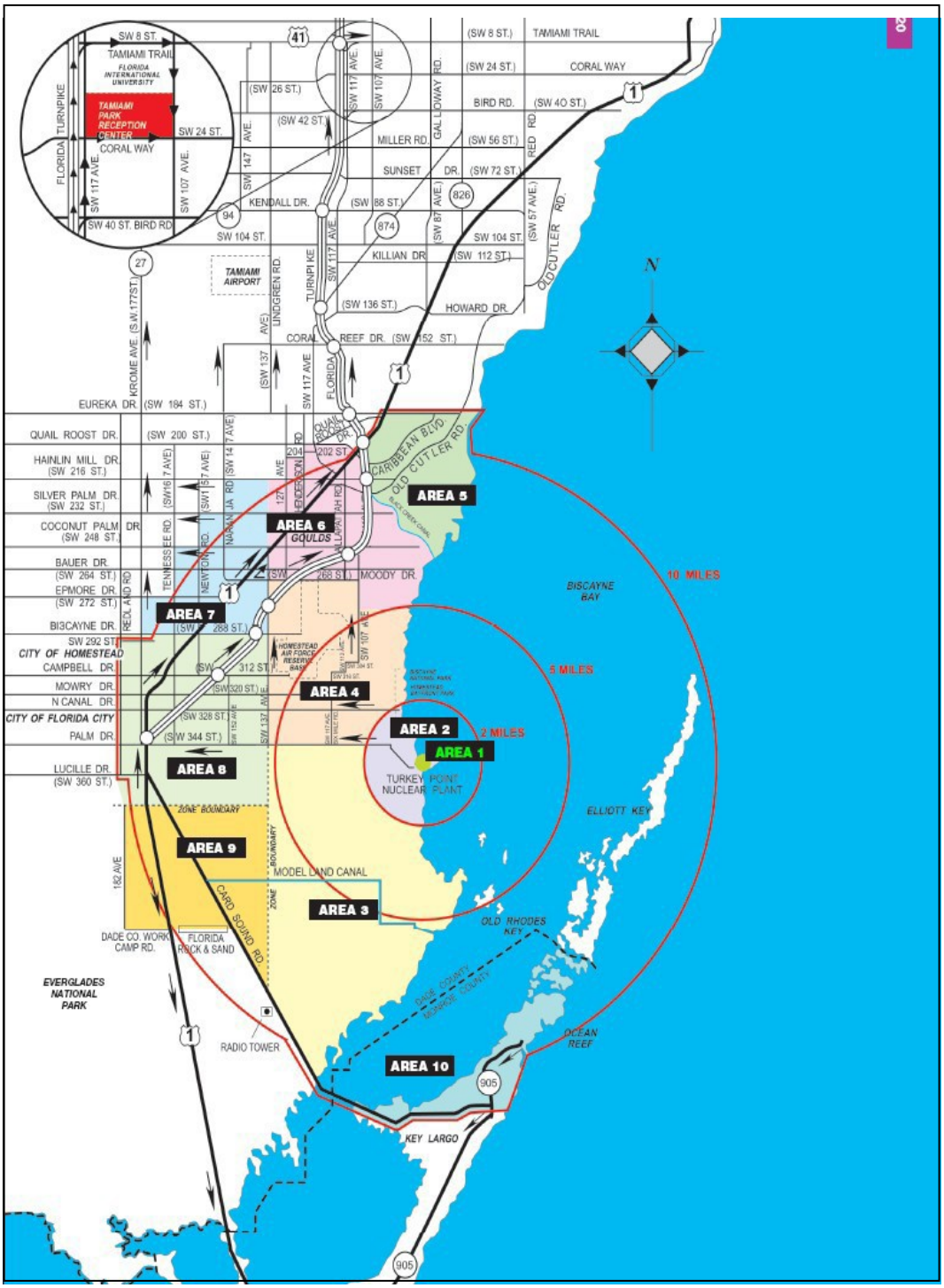
MCEM inventories and inspects communications equipment quarterly, and radiological monitoring equipment at least annually, or after each exercise to ensure that they are operational. Local operability checks are performed on all field-assigned monitoring equipment regularly and after each use by MCFR.

The Bureau of Radiation Control, Radiological Maintenance and Calibration Facility will exchange defective radiological monitoring instruments. Calibration of the instruments is in accordance with intervals recommended by the supplier and/or Bureau of Radiation Control Calibration lab.

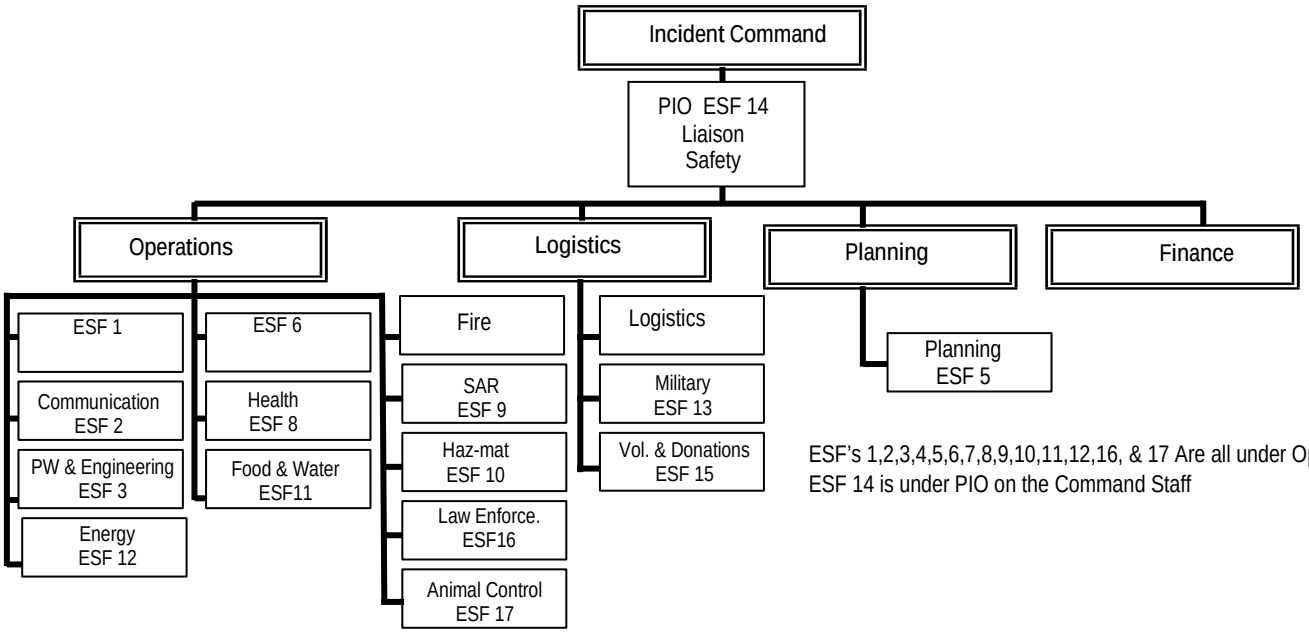
Supplementary dosimetry, survey meters, and TLD can be requested from the Bureau of Radiation Control, other host and risk counties, and the NRC. Portal monitors can also be requested from these same sources and from nuclear plants.

APPENDIX

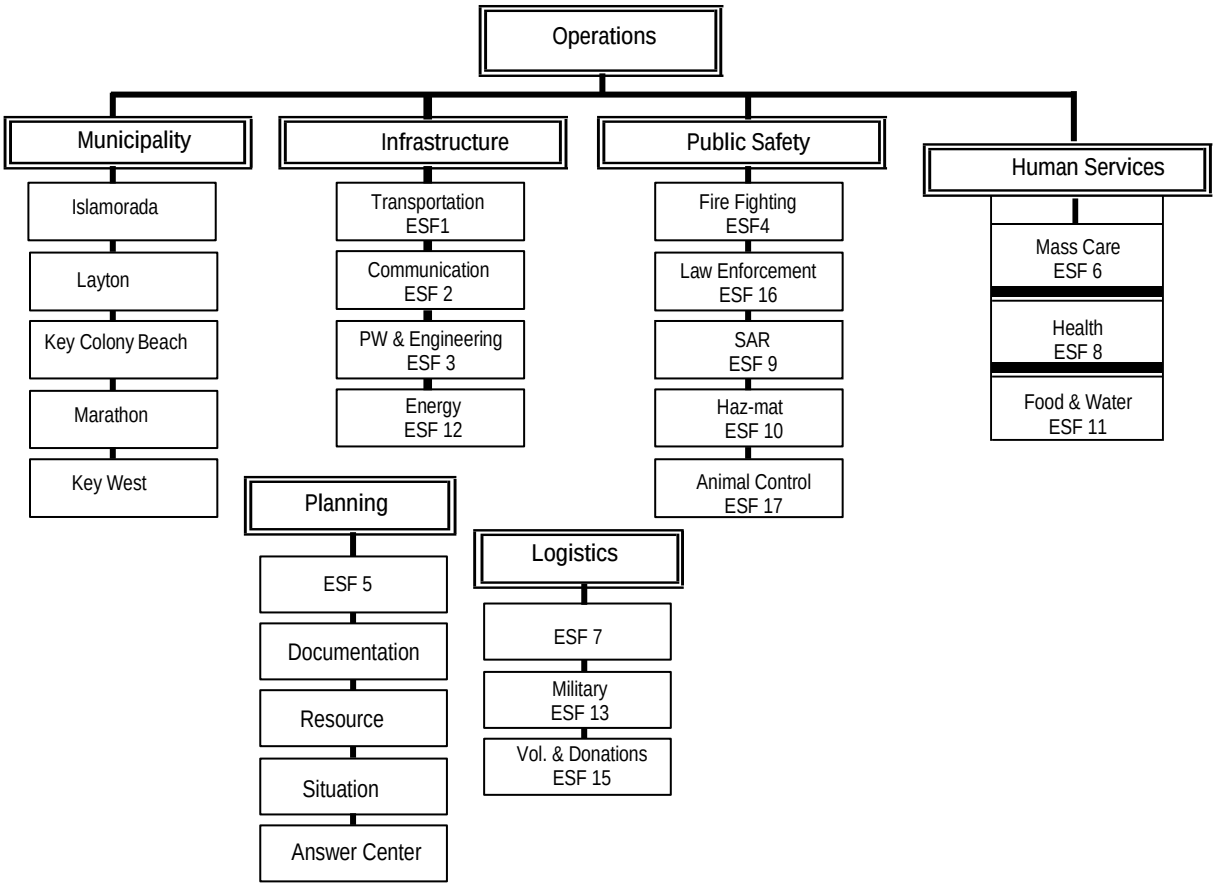
Appendix "A": Emergency Planning Zone



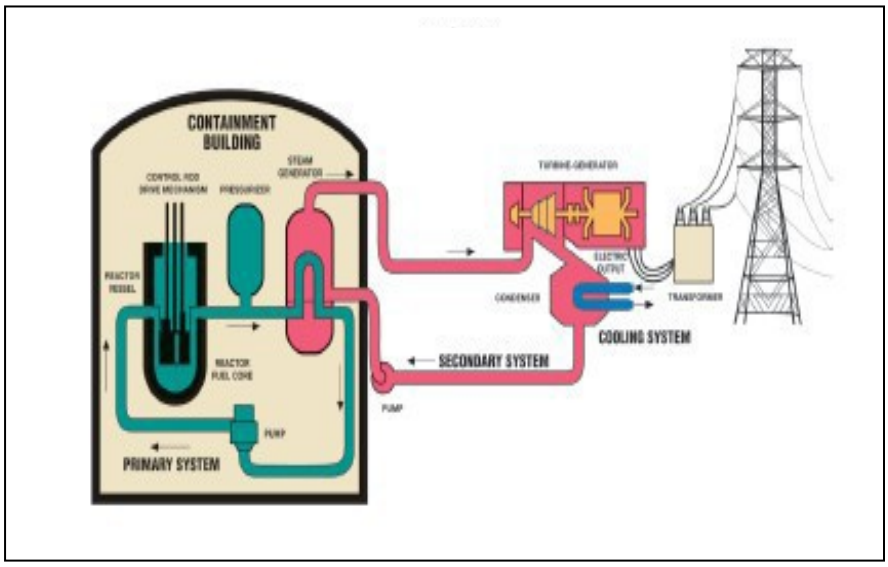
Appendix "B": Monroe County EOC Table of Organization



ESF's 1,2,3,4,5,6,7,8,9,10,11,12,16, & 17 Are all under Operations
ESF 14 is under PIO on the Command Staff



Appendix "C": Containment Building



Appendix "D": Hostile Action Based Event

There is a possibility that a hostile action based (HAB) incident occurring at the Nuclear Power Plant. A hostile action based (HAB) incident is any intentional act toward a nuclear power plant or its personnel that includes the use of violent force to destroy equipment, take hostages, and/or intimidate the licensee to achieve that end. This includes attack by air, land, or water using guns, projectiles, vehicles, or other devices used to deliver destructive force. The initial classification and response level would be determined by Control Room/Technical Support Center at the Turkey Point Nuclear Power Plant. Organizations notified by the Control Room include Miami-Dade EOC, Monroe County Sheriff (County Warning Point), and State Watch Office, and the Nuclear Regulatory Commission. These organizations would conduct additional notifications in accordance with their correspondingprocedures.

Local, State, and Federal law enforcement agencies routinely employ secure communications to share sensitive information at both strategic, and tactical, levels. Systems that enable this type of information sharing include secure servers and networks, encrypted telephony, and others. Under certain circumstances, trained law enforcement Public Information Officers may release elements of sensitive data for public safety messaging. HAB incidents may result in Monroe County Emergency Management activating the Radiological Emergency Preparedness (REP) Emergency Operations Center (EOC) in Tavernier. From the Monroe County REP EOC, tasking of public safety agencies with missions will occur as needed in areas outside of the HAB On-Scene Operations. These mission assignments would progress from the EOC Incident Commander and Essential Support Functions via EOC Liaisons. Public protective measures for Off-Site areas are determined at the Emergency Operations Facility (EOF) in coordination with the EOC. Public Information Officer (PIO) at the Incident Command Post (ICP) will work closely with the EOC PIO and Emergency News Center (ENC) Lead PIOs to coordinate public information of the incident.

Appendix "E": TURKEY POINT EMERGENCY NOTIFICATIONS

In the event of an Emergency at the TURKEY POINT POWER PLANT the following notification shall be made by the Monroe County Sheriff's Office DISPATCHER: Dispatcher will check off each person notified. O= Office, C= Cell. *Updated as needed.

UNUSUAL EVENT

Agency	Name	Office #	Cell #
MC Emergency Management Director	Marty Senterfitt	305-289-6065	[redacted]
MC Radiological Emergency Administrator	Vince Kalson	305-289-6019	[redacted]
MC Sheriff's Office, District (O.R.)	Sgt Thomas Kiffney	305-853-3211	[redacted]
MC Sheriff's Office (911 Dispatch)	Charlene Sprinkler-Huff	305-289-2351	[redacted]

ALERT

Agency	Name	Office #	
MC Emergency Management Director	Marty Senterfitt	305-289-6065	[redacted]
MC Radiological Emergency Administrator	Vince Kalson	305-289-6019	[redacted]
MC Sheriff's Office, District (O.R.)	Sgt Thomas Kiffney	305-853-3211	[redacted]
MC Emergency Services, Chief/Director	James Callahan	305-289-6006	[redacted]
MC Fire Rescue, Deputy Chief Administrative	Gary Boswell	305-289-6011	[redacted]
MC Fire Rescue, Deputy Chief Operations	Steve Hudson	305-289-6020	[redacted]
MC Administrator	Roman Gastesi	305-292-4441	[redacted]
MC Mayor	Heather Carruthers	305-292-3430	[redacted]
MC Mayor Pro-Tem	George Neugent	305-292-4512	[redacted]
Ocean Reef Public Safety	Tim James	305-367-4357	[redacted]
Ocean Reef Public Safety, Fire Chief	Ed Smith	305-367-4357	[redacted]
Key Largo Volunteer Fire Dept. (Via Tone Out)	Don Bock	305-451-2766	[redacted]
Tavernier Fire Dept (Via Tone Out)	Rob Burley	305-852-6285	[redacted]
Key Largo Volunteer Ambulance	Don Bock	305-451-2766	[redacted]
MC Sheriff's Office -Public Information Officer	Becky Herrin	305-809-3002	[redacted]
Card Sound Toll Station Director	Don Crouch	305-247-3707	[redacted]
MC Sheriff's Office (911 Dispatch)	Charlene Sprinkler-Huff	305-289-2351	[redacted]
Monroe County PIO	Cammy Clark	305-453-8734	[redacted]
Card Sound Toll Booth		305-247-5315	[redacted]

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SITE AREA EMERGENCY

Agenc	Name	Office #
MC Emergency Management Director	Marty Senterfitt	305-289-6065
MC Radiological Emergency Administrator	Vince Kalson	305-289-6019
MC Sheriff's Office, District (O.R.)	Sgt Thomas Kiffney	305-853-3211
MC Emergency Services, Chief/Director	James Callahan	305-289-6006
MC Fire Rescue, Deputy Chief Administrative	Gary Boswell	305-289-6011
MC Fire Rescue, Deputy Chief Operations	Steve Hudson	305-289-6020
MC Administrator	Roman Gastesi	305-292-4441
MC Mayor	Heather Carruthers	305-292-3430
MC Mayor Pro-Tem	George Neugent	305-292-4512
Ocean Reef Public Safety	Tim James	305-367-4357
Ocean Reef Public Safety, Fire Chief	Ed Smith	305-367-4357
Key Largo Volunteer Fire Dept. (Via Tone Out)	Don Bock	305-451-2766
Tavernier Fire Dept (Via Tone Out)	Rob Burley	305-852-6285
Key Largo Volunteer Ambulance	Don Bock	305-451-2766
MC Sheriff's Office -Public Information Officer	Becky Herrin	305-809-3002
Card Sound Toll Station Director	Don Crouch	305-247-3707
MC Sheriff's Office (911 Dispatch)	Charlene Sprinkler-Huff	305-289-2351
Monroe County PIO	Cammy Clark	305-453-8734
Card Sound Toll Booth		305-247-5315
American Red Cross	Jeff Baumgartner	305-296-4033
Salvation Army	Cpt. Maximal Perez	294-5611 x23
MC School Board, Administrator	Patrick Lefere	305-293-1400 x53392
Social Services	Sheryl Graham	305-292-4510
MC Fire Rescue, Logistics	Mike Elias	305-289-6212
MC Communication	Laura White	305-289-6035
MC Public Works	Dent Pierce	305-289-4560
Florida Highway Patrol	Kathleen McKinney	305-289-2383
Fish and Wildlife Commission	Patrick Langley	305-289-2320 ext 103
United States Coast Guard	Matt Moorlag	305- 292-8803
Florida Department of Transportation	Jeannie Cann	305-470-5353
State Health & Rehabilitative Svs Department		
Department Of Health	Cyna Wright	305-289-2729
Information Hotline		305-453-1236
MC Shelters	Shannon Weiner	305-289-6012

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GENERAL EMERGENCY

Agency	Name	Office #
MC Emergency Management Director	Marty Senterfitt	305-289-6065
MC Radiological Emergency Administrator	Vince Kalson	305-289-6019
MC Sheriff's Office, District (O.R.)	Sgt Thomas Kiffney	305-853-3211
MC Emergency Services, Chief/Director	James Callahan	305-289-6088
MC Fire Rescue, Deputy Chief Administrative	Gary Boswell	305-289-6011
MC Fire Rescue, Deputy Chief Operations	Steve Hudson	305-289-6020
MC Administrator	Roman Gastesi	305-292-4441
MC Mayor	Heather Carruthers	305-292-3430
MC Mayor Pro-Tem	George Neugent	305-292-4512
Ocean Reef Public Safety	Tim James	305-367-4357
Ocean Reef Public Safety, Fire Chief	Ed Smith	305-367-4357
Key Largo Volunteer Fire Dept. (Via Tone Out)	Don Bock	305-451-2766
Tavernier Fire Dept (Via Tone Out)	Rob Burley	305-852-6285
Key Largo Volunteer Ambulance	Don Bock	305-451-2766
MC Sheriff's Office -Public Information Officer	Becky Herrin	305-809-3002
Monroe County PIO	Cammy Clark	305-453-8734
Card Sound Toll Station Director	Don Crouch	305-247-3707
Card Sound Toll Booth		305-247-5315
American Red Cross	Jeff Baumgartner	305-296-4033
Salvation Army	Cpt. Maximal Perez	305-294-5611 x23
MC School Board, Administrator	Patrick Lefere	305-293-1400 x53392
Social Services	Sheryl Graham	305-296-4033
MC Fire Rescue, EMS	Chris Musser	305-289-6200
MC Fire Rescue, Logistics	Mike Elias	305-289-6212
MC Communication	Laura White	305-289-6035
MC Public Works	Dent Pierce	305-292-4510
Florida Highway Patrol	Kathleen McKinney	305-289-6210
Fish and Wildlife Commission	Patrick Langley	305-289-2320 ext 103
United States Coast Guard	Matt Moorlag	305- 292-8803
Florida Department of Transportation	Jeannie Cann	305-289-4560
State Health & Rehabilitative Svs Department	Jack Teague	305-292-6894
Department Of Health	Cyna Wright	305-289-2729
Information Hotline		305-853-1919
MC Shelters	Shannon Weiner	305-289-6012

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Monroe County

Florida

Radiological Emergency Preparedness

Standard Operating Procedures

Revised
December 2010

Monroe County Department of
Emergency Management
490 63rd Street
Marathon, FL 33050
(305) 289-6018
www.monroecounty-fl.gov

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Volume:	**STANDARD OPERATING PROCEDURES**
Section: 1	**TURKEY POINT**
Subject: 100	**EMERGENCY MANAGEMENT OPERATING PROCEDURES**
Date: 12/20/2010	

1.0 Purpose

These procedures are to be followed by Emergency Management in the event of an Emergency at the Turkey Point Nuclear Power Plant. Use of these procedures will insure that any such emergency will be efficiently handled.

2.0 Preliminary Actions

2.1 Upon receipt of a notification of a release of radiation from turkey point and concomitant evacuation recommendation:

2.1.1 Determine direction, speed, and intensity of plume. Direct evacuation traffic to SR 905 and/or US 1 depending on traffic conditions and area being evacuated.

2.1.2 Request that the Monroe County Mayor or Mayor Pro-Tem issue a Declaration of a Local State of Emergency. Declaration must specifically include authority to impound vehicles with radioactive contamination. Notify state and EOF of declaration.

2.1.3 Consult with Miami-Dade County concerning status of evacuation traffic from Dade County.

2.1.4 Request information on projected level of contamination on evacuating vehicles from FPL and DOH radiation Control.

2.1.5 Advise RRT of:

- Expected number of evacuees.
- Estimated time of arrival.
- Expected level of contamination.
- Reception Center/Shelter to be opened.

2.1.6 Direct MCSO to implement SOP 400, for traffic control and security, and SOP 401 for the dispatch office.

2.1.7 Direct American Red Cross to open appropriate shelter. (SOP 800 Shelter Operations).

2.1.8 Request the School Board to provide shelter facility as appropriate. (SOP 800)

2.1.9 Direct RRT to implement SOP 300.

2.1.10 Direct Public Works to implement SOP 900.

2.1.11 Appoint a member of the EOC staff to supervise use of Dosimetry. The Supervisor should verify that timely readings are being made and that proper records are maintained.

2.1.12 Direct the PIO to notify media, and coordinate information dissemination to the media with ENC and Tavernier EOC designated spokesperson.

2.2 <u>During Wash-down Operations:</u>

2.2.1 Monitor traffic flow from evacuation areas. Do not allow traffic to back up into the radioactive plume. If such backup develops, cease monitoring and decontamination activities. Direct the PIOs to make appropriate announcements to the media.

2.2.2 Provide status reports to the State and EOF.

2.2.3 Monitor shelter capacity and operations.

2.3 <u>Final Cessation of Wash-down Operations:</u>

2.3.1 Make arrangements for assessment and detailed decontamination of impounded vehicles.

2.3.2 Contact ORC to arrange for residual soil and water sampling in the wash-down and impoundment areas. Request ORC to propose clean-up recommendations and arrangement, if needed. If the area is found to have no significant residual contamination, resume normal operations.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 2	**TURKEY POINT**
Subject: 200	**RADIOLOGICAL RESPONSE TEAM (RRT) PROCEDURES**
Date: 12/08/2008	

1.0 Purpose

These procedures are to be implemented in the event that it becomes necessary to conduct emergency worker and/or vehicle decontamination and monitoring as a result of an incident at the Turkey Point Nuclear Power Plant. Certified members of the local fire department will conduct all such operations.

2.0 Preliminary Actions

Upon notification by Emergency Management that Fire Department operations may be needed. The RRT should take the following actions:

2.1 Check the operability of the fill pipe at Station #25 (Key Largo North).

2.2 Assemble and check operability of the following radiation detection equipment:

2.2.1 4 CDV 700 Meters (with pancake probes if available).

2.2.2 1 Dosimeter Charger

2.2.3 Zero all low range and CDV 742 dosimeters and assign one of each dosimeter and one TLD to each person assigned to fieldwork.

2.2.4 Have a minimum of 2 CDV Radiation Detection Kits available as standby. Each kit should include a CDV 700 meter, a CDV 715 meter, a dosimeter charger, and 12 dosimeters, 6 of each kind. Each kit should also have 6 Thermolumenescent Dosimeters (TLD) included.

2.2.5 Assemble and check operability of vehicle shower system.

2.2.6 Assemble personnel and review the following:

- Survey Meter Operation (SOP 700)
- Dosimeter Operation and Radiation Exposure Limit (SOP 600).
- Emergency Vehicle Monitoring Procedure (See SOP 501)
- Emergency Vehicle Decontamination Procedure (See SOP 502 & 500).

2.3 Obtain a briefing from Emergency Management regarding the following:

- Nature of the Emergency
- Expected number of evacuees.
- Estimated time of arrival.
- Expected level of contamination.
- Shelter activation.

3.0 Wash-down Station Set-Up (Attachment 1)

3.1 Decontamination Area

The Decontamination Area will be set up pursuant to the attached diagram. The location of the various stations will vary due to wind conditions. It is desirable that water spray be minimized to

eliminate cross contamination. Decontamination supplies such as detergent, vinegar, buckets, and sponges should be assembled in the adjacent area for use when needed. Only equipment currently in use or previously used should be in the Decontamination Area. Used material must be placed in a waste bag, labeled "Radioactive".

3.2 Shower

Vehicle Shower System (VSS) should be set-up in the designated location, as determined by wind direction. The supply hose for the VSS should be laid on the side of the road, off the paved surface. Protect the hose where it must cross a paved surface.

3.3 RRT Staffing

All persons entering the Decontamination Area MUST wear rubber boots, eye protection, Tyvek suit, and double gloves. All contaminated clothing will have to be abandoned at the site, (placed in marked "Radioactive Waste" bags) and replaced later.

3.4 Shifts

All staffing will be on six hour shifts, or less, as determined by the 500 mR administrative exposure limit.

3.5 Emergency Workers

Emergency workers will be assigned to various positions within the wash-down/survey area. Their duties will include the following:

- Assist rapid flow of traffic from US 1 to SR 905 through wash-down area.
- Survey vehicles before and after they have been decontaminated. CDV 700 survey meters will be utilized, with pancake probes if available.
- Conduct decontamination of emergency and other essential vehicles at the location designated.
- Impound contaminated vehicles.

3.6 Wash-down Termination Procedures

Establish a control zone around the wash-down and runoff areas and the impoundment area. All workers must exit trough the Personal Decontamination Shower Area. Leave contaminated equipment in clearly marked "Radioactive Waste" bags inside the control area. Report to EOC when complete.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 3	**TURKEY POINT**
Subject: 300	**EMERGENCY MEDICAL SERVICES PROCEDURES**
Date: 12/08/2008	

1.0 Purpose

These procedures are to be implemented in the event that it becomes necessary to conduct Radiological monitoring and/or decontamination as a result of a Turkey Point Nuclear Power Plant emergency. Members Radiological Response Team (RRT) will conduct all such operations.

2.0 Preliminary Actions

Upon notification by Emergency Management that their services may be needed KLVAC, as the lead Emergency Medical Services (EMS) organization, should take the following actions:

2.1 Check their personnel status and recall members as needed. Notify the EOC of the number of members available. Monroe County will employ only personnel certified in radiological operations for Turkey Point emergency response.

2.2 Assemble personnel and review the following:

- Survey Meter Operation (see SOP 700)
- Dosimeter Operation and Radiation Exposure Limit (SOP 600)
- Decontamination procedures for the General Public and Emergency Workers (See SOP 503)

2.3 Obtain a briefing from Emergency Management regarding the following:

- Nature of the Emergency

2.4 Report to EOC for issuance of Dosimetry and survey equipment as necessary.

3.0 Personal Decontamination Shower Setup

3.1 Shower Area

The shower area will be set up pursuant to the attached # 1 of SOP 200 diagram. Decon areas are located at the same location). However, the location of certain stations may vary due to wind conditions. Tyvek suits, Property Receipt Forms, soap and other necessary equipment should be staged in the Monroe County Fire Rescue Rehab Unit. Only equipment currently in use or previously used should be in the Decontamination area. Used material must be placed inside a waste bag, labeled “radioactive”.

3.2 Emergency Workers Responsibilities

Personnel assigned to the shower area are responsible for the following:

- Inventorying and safeguarding of personal property removed by persons undergoing decontamination:
- Supervision of decontamination process, supervision will be performed by workers of the same sex as the person being decontaminated if;
- Conducting survey of persons after showering and determining when transport to a medical facility is required.
- Issuance of Tyvek suits to persons after decontamination procedures.

3.3 Medical Care and Transportation

Medical Care, including Medical Transportation, will be provided by KLVA or other available ALS Ambulance under the following circumstances:

3.3.1 In the event that a person cannot be adequately decontaminated after three (3) showers they must be transported to an appropriate medical facility.

3.3.2 Whenever a member of the general public or an emergency worker requires medical treatment as a result of any medical condition or injury sustained.

3.4 RRT Staffing

All emergency workers entering the Decontamination Area MUST wear rubber boots, eye protection, Tyvek suit, and double gloves. All contaminated clothing will have to be abandoned at the site, (placed in marked "Radioactive Waste" bags) to be replaced later.

3.5 Shifts

All staffing will be on six hour shifts, or less, as determined by the 500 mR administrative exposure limit.

3.6 Wash-down Termination Procedures

All workers will exit through the Personal Decontamination Shower Area. Leave contaminated equipment in clearly marked "Radioactive Waste" bags inside the control area (SOP 503). Report to EOC when complete.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 4	**TURKEY POINT**
Subject: 400	**LAW ENFORCEMENT AGENCIES OPERATING PROCEDURES (Land)**
Date: 12/20/2010	

1.0 Purpose

In the event of an Emergency at the Turkey Point Nuclear Power Plant, Traffic Control Points (TCP) will be established at various locations. Additionally, there will be a need for special security at shelters, impound areas and the EOC. These procedures outline the functions and duties needed to be performed by Law Enforcement Agencies.

1.1 The Monroe County Sheriff's Office (MCSO) will be responsible for the coordination and utilization of all law enforcement assets.

2.0 Monroe County Sheriff's Office and Florida Highway Patrol Procedures

2.1 Preliminary Actions:

2.1.1 Obtain a briefing from Emergency Management at the Tavernier– EOC regarding the following:

- Direction of evacuating traffic.
- Expected volume of evacuation traffic.
- Estimated time of arrival.
- Estimated level of contamination.
- Shelter(s) opened.

2.1.2 Establish liaison with RRT; obtain briefing regarding the overall purpose and procedures of the wash-down station.

2.1.3 Review MCSO mission with staff, and enforcement authority under the existing Declaration of Emergency.

2.1.4 Review SOP 600 on Personal Dosimeters. Report to Tavernier-EOC to obtain dosimetry equipment prior to deployment to the field.

2.2 Traffic Control

2.2.1 Coordinate with FHP the establishment of a roadblock on US 1 (at U-turn intersection) to turn back northbound traffic. FHP will assist if request is made by the MCSO. Advise roadblock that Reception Center at Key Largo Elementary School is open.

2.2.2 Establish traffic control roadblocks at the wash-down station pursuant to SOP 500.

2.3 Security

2.3.1 Establish sufficient security at the impound area to enforce impound orders.

2.3.2 Provide security at shelter.

2.3.3 Provide security at the Tavernier EOC.

2.3.4 Provide traffic condition and security updates to the Tavernier EOC.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 5	**TURKEY POINT**
Subject: 401	**U.S. COAST GUARD**
Date: 12/20/2010	

1.0 Purpose

In the event of an Emergency at the Turkey Point Nuclear Power Plant there will be a need for the establishment of the Marine Traffic Control Points (MTCP) at various locations.

1.1 The United States Coast Guard (USCG) will be responsible for the coordination and utilization of all law enforcement assets.

2.0 United States Coast Guard (USCG) Procedure

2.1 Preliminary Actions:

2.1.1 Obtain a briefing from Emergency Management at the Tavernier EOC regarding the following:

- Direction of evacuating traffic.
- Expected volume of evacuation traffic.
- Estimated time of arrival.
- Estimated level of contamination.
- Shelter(s) opened.

2.1.2 Review USCG mission with staff, and enforcement authority under the existing Declaration of Emergency.

2.1.3 Review SOP 600 on Personal Dosimeters. Report to Tavernier EOC to obtain dosimeter equipment prior to field deployment.

2.1.4 Request assistance from the FWC in alerting boaters within the 10-mile EPZ that an emergency exists at the Plant.

2.1.5 Request assistance from the FWC in the implementation of protective actions applicable to marine interests within the 10-mile EPZ.

2.1.6 Request assistance from the FWC in securing the perimeter of the restricted marine areas of the EPZ and in controlling re-entry after conclusion of the emergency.

2.2 Marine Traffic Control

2.2.1 Establish Marine blockades on the various waterways within the designated areas. These areas will be established based upon conditions at the time of the event.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 6	**TURKEY POINT**
Subject: 402	**MONROE COUNTY SHERIFF DISPATCH CENTER OPERATING PROCEDURES**
Date: 12/20/2010	

1.0 Purpose

The Monroe County Sheriff's Office Dispatchers will receive notification of an Emergency at Turkey Point Nuclear Power Plant. This SOP has been established to insure all proper notifications.

2.0 Preliminary Actions

2.1 Upon the receipt of a notification of UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY or GENERAL EMERGENCY by the Monroe County Sheriff's Office Communications Center, the staff should:

2.1.1 Complete the Notification Message Form for Nuclear Power Plants (attachment 1).

2.1.2 Verify that validity of the notification by calling State Warning Point at 1-850-413-9910 or 1-800-320-0519 to confirm that an emergency message was sent. Notifications received from other sources should be verified by obtaining a name and call back number and calling back.

2.1.3 Make notifications indicated under the appropriate emergency level in the Notifications Checklist of this procedure.

2.1.4 Continue to monitor developments, brief incoming staff at shift change.

2.1.5 Increase staffing of Dispatch Center as needed.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 7	**TURKEY POINT**
Subject: 500	**CONTAMINATION CONTROL PROCEDURES**
Date: 12/08/2008	

1.0 Purpose

The purpose of these procedures is to insure that proper steps are taken so that NO CROSS-CONTAMINATION takes place during the operation.

2.0 Responsibility

ALL personnel responding to a TURKEY POINT NUCLEAR PLANT emergency are responsible to follow these procedures and to prevent the spread of contamination.

3.0 Personal Decontamination Shower Setup (attachment 2)

3.1 A portion of the area south of Key Largo North Fire Station, between SR905 and US1, and extending to the intersection of SR905 and US 1 shall be designated as a "HOT ZONE". Entry to this area will be strictly limited. Only emergency workers and contaminated vehicles will be permitted. A "WARM ZONE" will be established adjacent to this area. The location will be determined based upon conditions existing in the time of the incident and it's location may change as conditions change. Access to this area will also be restricted.

3.2 No eating, drinking or smoking is permitted in the "HOT ZONE".

3.3 Survey areas will be established on the southbound US 1 and southbound SR905 just north of the turnoff to Station 25. All Emergency vehicles exiting the Turkey Point EP2 area after a release of radioactive material shall enter the survey area. After being surveyed according to MC Guidelines contaminated vehicles will be directed into the "HOT ZONE" for decontamination. Non-contaminated vehicles will be permitted to continue south on US 1 or SR905.

3.4 Occupants of decontaminated vehicles will then be directed to proceed in their vehicle to an area next to the "WARM ZONE". At this point the interior of the car and the occupants will be surveyed. If they or the interior of the vehicle are found to be contaminated the vehicle may be impounded or decontaminated. The occupants of the vehicle will be directed to the decontamination showers.

4.0 Emergency Workers

4.1 Only authorized persons will be permitted inside the "HOT ZONE" (HZ). All persons entering the "HZ" will do so via the security point in the "WARM ZONE" (WZ). Persons inside the "HZ" must wear proper Personal Protective Equipment (PPE). Proper PPE includes: A TLD, a dosimeter, Rubber Boots or overshoes, eye protection, Tyvek suit and gloves.

4.2 All persons exiting the "HZ" must do so thru the security point into the "WZ". All persons must be thoroughly decontaminated prior to leaving the "WZ".

4.3 All equipment used inside the "HZ" must be taken into and out of the "HZ" via the "WZ" and after use must be decontaminated before being removed from the "WZ".

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 8	**TURKEY POINT**
Subject: 501	**VEHICLE MONITORING PROCEDURE**
Date: 12/08/2008	

1.0 Purpose

During certain emergencies at the Turkey Point Plant it is possible that vehicles contaminated with radioactive particles will enter Monroe County. These procedures have been established to detect such contamination, measure it an decontaminate the vehicle before the contamination is spread.

2.0 Vehicle Contamination Threshold Policies

2.1 A vehicle registering a meter reading less than 2x times background, on the Exterior, is not contaminated and will be allowed to continue out of the area.

2.2 A vehicle registering a meter reading more than 2x times background (Threshold Limit), on the Exterior, shall be considered contaminated and the following additional steps should be followed:

2.1.1 Survey interior of the vehicle, if contamination is present, impound the vehicle. If the interior is not contaminated, cycle vehicle thru the decontamination process and re-survey the exterior of the vehicle, if vehicle is still contaminated above the threshold limit after the third (3) decontamination wash, impound the vehicle.

2.1.2 Survey the occupants of the vehicle, if they are not contaminated send them to the transportation area for transport to the shelter. If they are contaminated send them to the shower area for decontamination.

3.0 Decontamination of Emergency Vehicles

Perform decontamination on Emergency vehicles only if doing so will not interfere with their ability to respond to Emergencies. Do not stop vehicles responding to an emergency!

4.0 Vehicle Survey Procedures

4.1 Use the CDV 700 with a pancake probe, if possible or the CDV with a Geiger Mueller tube with the window open. Cover the probe with saran wrap or other suitable cover and secure the open end with tape to avoid contaminating the probe.

4.2 Use headphones to alert you to areas of contamination, but use only the meter to measure the level of contamination. The monitor may also be used with the external speaker instead of the headphones.

4.3 The covered probe should be held no more then two (2) inches from the surface to be examined. DO NOT ALLOW THE PROBE TO TOUCH THE SURFACE. If the probe does come in contact with a contaminated surface, the probe cover MUST be replaced.

4.4 Move the covered probe slowly over the outside surface of the vehicle. The probe should not move faster than 1 inch per second. Pay particular attention to tires and wheel wells, radiator, air intake area, grillwork and roof.

4.5 Develop a systematic approach (such as front-to-back, top-to-bottom, etc.) and stick to that system to avoid omissions.

4.6 Emergency Management may suspend any and all wash-down and impoundment of vehicles in the event that public safety would require such action. This decision may be based upon traffic conditions or other serious situation that would warrant such action.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 9	**TURKEY POINT**
Subject: 502	**VEHICLE WASHDOWN PROCEDURES**
Date: 12/20/2010	

1.0 Purpose

The purpose of this procedure is to establish a basis for actions should it become necessary to wash external radioactive contamination from vehicles, and implement necessary support activities.

2.0 Concept of Operations

Wash-down operations will commence at the direction of the Emergency Management Department based on recommendations provided by Florida Power and Light and the Bureau of Radiation Control. Wash-down procedures may be required when vehicles evacuating from a Turkey Point emergency have been exposed to radioactive contamination.

2.1 The Wash-down area will be established by the Fire Department near the intersection of CR 905 and US 1. This area is near the KLVFD North Station and Circle K.

2.2 All Emergency Vehicles coming from areas of possible contamination will be surveyed at the wash-down Area and vehicle contamination will be entered on the Monitoring/Decon Form for Vehicle Decontamination Station (attached)

2.3 After the survey the vehicles will be directed either to continue on their way south or to enter the wash-down area. (See SOP 501)

2.4 All contaminated vehicles will be routed off the main highway, by way of the KLVFD access road.

2.5 An automatic Vehicle Shower System (VSS) located at the KLVFD will be utilized to decontaminate all vehicles.

2.6 After the initial decontamination, all vehicles will be re-surveyed for radioactive contamination. If the vehicle still shows contamination it will be recycled through the VSS. This process will be repeated up to three (3) times, if necessary. If after the third wash, the vehicle still shows contamination on the survey meter it will be impounded.

2.7 No emergency vehicle should be detained if it is performing emergency operations.

2.8 Any vehicle that will not fit in the VSS will be directed to the Oversize vehicle wash. At this location, Tavernier Fire Station #22 (TAV) will have their tower ladder in operation.

2.9 Once evacuation traffic and wash-down procedures are complete, the impoundment and wash-down areas will be sealed-off by police. At a later time, these vehicles will be assessed again, records made of the level and location of contamination on each vehicle, and detailed decontamination or other appropriate action taken as necessary. This later decontamination effort may or may not be undertaken by Monroe County personnel.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 10	**TURKEY POINT**
Subject: 503	**DECONTAMINATION PROCEDURES FOR EMERGENCY WORKERS**
Date: 12/08/2008	

1.0 Purpose

In the event of a release of radiation at the Turkey Point Nuclear Power Plant there may be a need for the decontamination of Emergency Workers who may become contaminated in the performance of their duties.

2.0 Responsibility

Any Emergency Worker, who after being surveyed, registers a reading above the threshold level must undergo personal decontamination. Additionally ALL Emergency Workers must be surveyed prior to exiting the Hot Zone (HZ). Any detected contamination will be noted on the Monitoring/Decon Personnel records (attachment # 1).

3.0 Location

The decontamination shower will be established adjacent to the HZ in the wash down area. Its exact location will be determined based upon wind conditions.

4.0 Procedures

4.1 Emergency workers must exit the wash down area (Hot Zone) through the Personal Decontamination Area. They will remove their protective clothing and place it in a "Radioactive Waste" bag. They will then be surveyed. If the survey shows no contamination above background they will leave the area. If the survey shows contamination they will follow the procedures set forth in 4.2 (below).

4.2 Contaminated persons will be directed to the portable shower area. There they will be directed to enter the shower. At the shower the person will be directed to remove all clothing and personal items. A monitor will inventory each item removed on a "Property Receipt Form" (attachment # 2). This property will be placed in a "Radioactive Material" bag and labeled with the owner's name, address and phone number. The sealed bag will be placed in a secure area for later collection. After disrobing, the person will shower and then be resurveyed. After exiting the shower they will be issued a Tyvek suit and sent to a dressing station. (A Monroe County Fire Rescue Rehab Unit).

4.3 If a person has gone through the Personal Decontamination Shower three (3) times and the survey shows they are still contaminated they will be transported by Emergency Medical Services (EMS) to the most appropriate medical facility.

4.4 Exposure to emergency response personnel should be maintained As Low As Reasonably Achievable (ALARA). Actions taken during an emergency should take into consideration the amount of exposure required to accomplish the task versus the potential benefit to the public health and safety.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 11	**TURKEY POINT**
Subject: 600	**PERSONNEL DOSIMETRY USE**
Date: 12/08/2008	

1.0 Purpose

These procedures are established to prevent persons from being exposed to dangerous levels of radiation. All personnel operating at a Turkey Point Emergency are required to follow these procedures.

2.0 Personal Dosimeters

2.1 All Emergency personnel who may be working in or near radiation field are required to wear Personal Dosimeters. Each worker will be issued one of each type of the following Personal Dosimeters:

2.1.1 A thermolumenescent dosimeter (or TLD).

2.1.2 A self-reading pocket dosimeter, low range, (either 0-200 mR or 0-500 mR range).

2.1.3 A self-reading pocket dosimeter (CD 742 0-200 R)

2.2 The Personal Dosimeters should be worn on the outside of clothing in the area of the chest. Dosimeters should be worn side by side to prevent them from shielding each other and thus causing incorrect dose-level readings. The dosimeters can be exposed to the elements or harsh conditions.

2.2.1 Use a dosimeter charger to “zero” the pocket dosimeters.

2.3 Along with your pocket dosimeter you will be issued an Exposure Record Card. Enter your name, Social Security number, date and time of initial reading. The initial reading should be approximately 0. The serial number of the dosimeter must also be entered on the card (attached).

2.4 The pocket dosimeters must be read every 15 minutes. More frequently significant radiation exposure levels are observed. Enter all readings on the Exposure Record card. Report exposure levels to appropriate party. If you have any reason to doubt the accuracy of your dosimeter, withdraw and get a new dosimeter.

2.5 A maximum non-emergency exposure limit of 500 mR has been established. Do not exceed this limit unless you are directed to do so by Emergency Management. If you are approaching these limits notify your supervisor or Emergency Management and withdraw from the radiation area as soon as possible.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 12	**TURKEY POINT**
Subject: 700	**RADIOLOGICAL SURVEY METERS OPERATIONS**
Date: 12/08/2008	

1. PURPOSE

To establish a procedure for operationally checking, using and maintaining radiological survey instruments in the field.

2. GENERAL

Survey instruments measure radiological exposure rates. Monroe County uses two models of survey instruments.

A. The CD V-700 is a low range instrument used to check for contamination on surfaces. It measures exposure rates in units of milliroentgens per hour (1/1000 of a roentgen), and can detect gamma and beta radiation. When paired with a pancake probe it will also detect alpha radiation.

B. The CD V-715 is a high range instrument used to determine if the area being surveyed is within a radiation field. It measures exposure rates in units of roentgens per hour, and can detect gamma radiation and x-ray radiation.

I. Both models have adjustable settings. By moving the selector-switch between "X0.1" and "X1" and "X10" and "X100" and "X1000" you can make the instrument respond to different levels of radiation. (i.e. CD V-700 – at "X1" is more sensitive than at "X10". At "X1 it will detect radiation in a range between "0" and "0.5" mR/hr. At "X10" it will detect radiation within a range between "0" and "5" mR/hr.)

II. Personnel assigned to survey teams in a radiation hazard area should be assigned both high range and low range survey instruments, depending on their response role. The instruments should be used in tandem.

III. Field personnel are responsible for confirming that the instruments assigned to them are functional. This must be accomplished prior to entering a radiation hazard area.

4. PROCEDURE:

INSTRUMENT INSPECTION

A. Survey instruments should be free of dirt, mud or other foreign material.

B. The survey instrument's face meter should be visible and free of obstructions.

C. This is a calibrated instrument. A current calibration sticker should be affixed to the instrument. The sticker will identify the instrument's calibration due date.

D. Instruments that are out of calibration should be turned in to the Office of Emergency Management.

OPERATIONAL CHECK OF THE CD V-700, LOW RANGE SURVEY INSTRUMENT

A. Turn the selector-switch to the "off" position.

B. Open the case; remove the battery retaining-clip and install D-cell batteries.

C. Turn the selector-switch to the "battery test position". The meter should deflect to 0.36 mR/hr or more. If the reading is not within this range change out the batteries and repeat the check.

D. Turn the selector-switch to the "x10" range and allow 1 minute for the instrument to warm-up.

E. Rotate the probe window to the open position.

F. Place the probe window flat against the beta check-source located on the side of the instrument. Hold the meter in place with the "fast/slow" toggle switch in the slow position. The meter should read between the rates listed on the calibration sticker.

G. If the instrument reads outside the range indicated, the instrument is not functioning properly.

OPERATIONAL CHECK OF THE CD V-715, HIGH RANGE SURVEY INSTRUMENT

A. Turn the selector-switch to the "off" position.

B. Open the case; remove the battery-retaining clip and install D-cell battery(s).

C. Turn the selector-switch to "zero" and allow two minutes for the instrument to warm-up.

D. Rotate the "zero" control knob until the face meter reads zero (0).

E. Rotate the selector-switch to "circuit check" and hold it there. The face meter should read in the "circuit check" zone. If it does not, replace the battery and repeat the check.

F. If the instrument continues to read outside the range indicated above, the instrument is not functioning properly.

NOTE: It may be necessary to re-zero the instrument after it has warmed up further.

DETERMINING BACKGROUND RADIATION LEVELS

A. Connect the earphones when using the CD V-700 survey meter

B. Set selector-switch to "X1"

C. Hold the survey probe away from the check-source and count the number of clicks you hear over a period of three (3) minutes.

D. Divide the total number of clicks by three (3) to determine your background radiation level. (i.e. sixty (60) counts in three (3) minutes equals a background rate of twenty (20) counts per minute.)

E. After determining the level of background radiation you can proceed with the survey process. If during the process of conducting the survey, you detect radiation equal to double the level of background radiation or greater, contamination exists.

RADIOLOGICAL SURVEYS USING THE CD V-700, LOW RANGE INSTRUMENT

A. The purpose of conducting a survey with the CD V-700 is to rule out that a surface – whether a person, a vehicle, a piece of equipment or something other – is contaminated.

NOTE: The CD V-700 can *also* be used to *determine the exposure rate in a given area if the radiation field is 500 mR/hr or less.*

B. Develop a survey plan with your team. The survey plan should break down the area to be surveyed into a grid pattern so the entire area is surveyed. Unless the "actual" exposure rate of the contaminant is needed for operational purposes, the survey process can be stopped when contamination is found.

C. Connect the earphones when using this survey meter.

D. Meter response is controlled by adjusting the "fast/slow" toggle switch. In the fast position there is a fast response and larger meter deviation. In the slow position there is reduced meter deviation.

E. Set selector-switch to "X1" and open the probe window.

F. If the survey instrument is being used to determine the exposure rate in an area, you may have to move the selector-switch to the "X10", "X100", or "X1000" setting to get a proper reading. If the CD V-700 reaches its maximum readout use the CD V-715 to determine the existing exposure rate.

G. Initiate the survey by moving the open window probe one (1) inch from the surface being surveyed, at a rate of approximately one inch per second (very slowly).

H. Use care so that the probe does not touch the surface being surveyed. Do not look at the face meter on the instrument. Instead, listen for an increase in the number of "clicks" to find contamination.

NOTE: A thin removable cover (such as a latex glove) should be placed over the probe to protect it from contamination.

I. You will see the dial on the face of the instrument move upward if contamination/radiation field is detected.

J. If contamination is found on a person, decontamination should be performed at the earliest possible time. However, the person is not in immediate danger from the contaminant. If the contaminated person is also injured, always treat the injury as the primary concern, and the contamination as the secondary concern.

K. Victims will be resurveyed after they undergo decontamination.

L. If contamination is found on a vehicle or some other piece of equipment it should be isolated until it can be disposed of or decontaminated. In this instance, contamination should be considered as a reading that is equal or greater than the background reading X 2. (Background X 2 = Contamination).

I. RADIOLOGICAL SURVEYS USING THE CD V-715, HIGH RANGE INSTRUMENT.

A. The purpose of conducting a survey with the CD V-715 is to determine if the area being surveyed is within a radiation field. If the survey instrument is being used to determine an "actual" exposure rate in an area, you may have to move the selector-switch to the "X1", "X10" or the "X100" setting to get a proper reading.

B. Develop a survey plan with your team. The survey plan should break down the area to be surveyed into a grid pattern so the entire area is surveyed. A Safety Officer should also develop guidelines on "stay times". (Stay times will depend on the exposure rate, the nature of the task to be accomplished and the expected duration of the task. Responders will not enter a radiation area without a clearly defined mission.)

C. To initiate the survey process, set selector-switch to "X.1" and proceed slowly into the area of concern.

D. You will see the dial on the face of the instrument move upward if a radiation field is encountered.

MAINTENANCE OF RADIOLOGICAL SURVEY INSTRUMENTS

A. Perform operational checks on the CD V-700 and CD V-715 monthly.

B. Review instructional information enclosed with each kit as needed.

C. Always remove batteries before these instruments are stored.

D. Keep instruments away from moisture to prevent rusting.

E. Do not make any internal adjustments to the instruments.

F. Check the calibration dates on the sides of the casings. If calibration is required contact the Office of Emergency Management and Homeland Security (OEM/HS) for a replacement.

G. Complete the Monthly Radiological Equipment Inspection Form and return it to the OEM Radiological Emergency Preparedness Coordinator on the first Friday of the month.

5. REVOCATION:

Any and all parts of previous Orders, Rules and Regulation, Operations Memos and Administrative Orders in conflict with this Policy and Procedure are revoked.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 13	**TURKEY POINT**
Subject: 700A	**CANBERRA'S ULTRA RADIAC SURVEY AND DOSIMETRY INSTRUMENT OPERATIONS**
Date: 12/08/2008	

1.0 Purpose

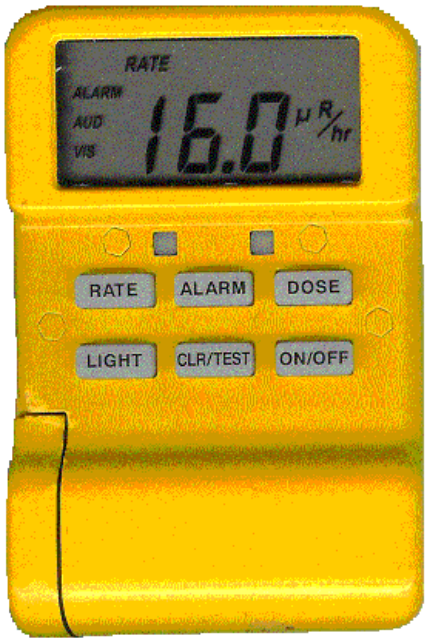
To establish a procedure for operationally checking, using and maintaining radiological survey instruments in the field.

2.0 General

Survey instruments measure radiological exposure rates and dose totals.

A. The Ultra/Radiac™ (UR) is a personal monitoring device for GAMMA Radiation only. It can measure and display both instantaneous radiation dose rate and the total accumulated radiation dose received since the dose memory was last cleared. It has preset-able alarms for both instantaneous rate and cumulative dose to alert hazardous conditions. The alarm settings cannot be changed in the field. The UR uses a GM tube. It has Six operational modes:

- ON/OFF, Testing,
- Alarms
- Rate
- Dose
- Source Finder
- Sleep Mode



3.0 PROCEDURE:

3.1 INSTRUMENT INSPECTION

A. Survey instruments should be free of dirt, mud or other foreign material.

B. The survey instrument's face meter should be visible and free of obstructions.

C. This is a calibrated instrument. A current calibration sticker should be affixed to the instrument. The sticker will identify the instrument's calibration due date.

D. Instruments that are out of calibration should be turned in to the Office of Emergency Management.

3.2 OPERATIONAL OF THE UR

A. To turn "On" or "Off" press ON/OFF button until 000 is displayed. The Instantaneous rate will be displayed with the word "RATE" at the top left of the screen. If a "*b*" or a blinking "BAT" indicator appears in the display or the display is blank, change the batteries. When changing batteries, you must turn the instrument off before removing batteries or there may be data loss. Observe the proper polarity next to the end of each battery slot.

B. To test the unit first press "RATE" mode and then hold the "CRL/TEST" key until it goes to the test mode then release the button. A series of numbers will display "111" then "222" then "333" until "999", after test finish the normal operation of the unit will display a "9", if the display of your unit is not "0", please return the unit to the Monroe County officer that assigned the unit.

C. To Check the Alarm's Light/Audio/Vibrator, press and hold the "ALARM" button any time during the "CLR\TEST" sequence.
The UR has two alarms, Low Level and High Level for RATE and DOSE. The levels are preset/unchangeable according to the State of Florida Department Health's Bureau of Radiation Control and Monroe County Fire Department.

- Low "RATE" Value = 2mR/hr
- High "RATE" Value = 100mR/hr
- Low "DOSE" Value = 100mR
- High "DOSE" Value = 500mR

The low alarms only trigger the vibrate alarm function. The high alarms trigger the audio, visual and vibrate alarm function.

D. To read the "RATE" alarm threshold press "ALARM" and "RATE". You will see an "H" for high level alarm displayed. To read the low level alarm setting, press "RATE" button again and the display will show L. Then press "CLR/TEST" and the flashing display will show the selected alarm threshold setting. The unit will automatically return to the main display in about ten seconds. The MR should always be reading the "RATE", if not press the "RATE" button to display the RATE reading.

E. To clear the "RATE" alarm press "CLR/TEST" button to turn off the vibrator and audio alert. The visual alerts continue until the "RATE" levels fall below the appropriate threshold

F. To read the "DOSE" a threshold press "ALARM" and "DOSE". You will see an "H" for high level alarm displayed. To read the low level alarm setting, press "DOSE" button again and the display will show L. Then press "CLR/TEST" and the flashing display will show the selected alarm threshold setting. The unit will automatically return to the main display in about ten seconds.

G. To clear the "DOSE" alarm press "CLR/TEST" button to turn off the vibrator and audio alert. The visual alerts continue until the "DOSE" levels fall below the appropriate threshold. Additional the visual alert for "DOSE" will remain until the accumulated "DOSE" has been cleared.

H. To clear the accumulated "DOSE" press the "DOSE" button to view the accumulated dose, press and hold the "DOSE" and "CLR/TEST" button until the unit is displaying a "0". This function should only be performed before entering the "HOT ZONE".

I. The "SOURDE FINDER MODE" allows the unit to locate an isolated source. In this mode the unit will start clicking if the unit is near a radioactive material. The click rate will increase as you move closer and decrease as you move further away. The "RATE" and "DOSE" modes are still active when in the "SOURCE FINDER MODE" and you can still read either by pressing the appropriate buttons.

- To enter the "SOURCE FINDER MODE" press and hold the "RATE" button until the display to a flashing "1" and then release the button.

- To exit the "SOURCE FINDER MODE" press and hold the "RATE" button until the display changes to a flashing "0" and then release the button.

J. The "SLEEP MODE" is designed to conserve battery power.

- To enter the "SLEEP MODE" press and hold the "RATE" button, then press the "ON/OFF" button. The characters "SLP" will be briefly displayed. When "---" appears release both keys. "SLEEP" should appear at the top of the display. When the "SLEEP MODE" is enable the unit will wake up every five minutes for a period of 4-6 seconds and check the current rate.

- To exit the "SLEEP MODE" press the "ON\OFF" button until the

"SLEEP" disappears.

NOTE DO NOT use the "SLEEP MODE" when in a radiation area.

III. Instrument Specifications:

- RANGE — 1µR/hr to 500R/hr; 1µR to 999R dose
- WARM UP TIME — Less than 5 seconds
- RESPONSE TIME — 90% in 4 seconds; returns to background in 4 seconds
- DISPLAY — LCD update every two seconds, can be backlit for night use; Autoranging
- ALARMS — Selectable visual & audible for day or night
- BATTERIES — Four AAA 1.5V = 150 hours of continuous use or 1500 hours in the sleep mode
- ACCURANCY — ±15%
- EFFIENCY — Gamma ±20%, 80 keV to 3 MeV
- ADVANTAGES — Wide range
  No EMI susceptibility
  Operational Temperatures -52ºF to 150ºF
  Measures dose rate and accumulated dose
  Alarms for dose rate and accumulated dose
  Self testing and auto ranging
  Extremely rugged
  Water Immersion to 3 ft for at least 2 hours
- DISADVANTAGE — Will NOT detect ALPHA
  Will NOT detect BETA

IV. MAINTENANCE OF RADIOLOGICAL SURVEY INSTRUMENTS.

A. Perform operational checks monthly.

B. Review instructional information as needed.

C. Always remove batteries before these instruments are stored.

D. Keep instruments away from moisture to prevent rusting.

E. Do not make any internal adjustments to the instruments.

F. Check the calibration dates on the sides of the casings. If calibration is required contact the Office of Emergency Management (OEM) for a replacement.

1.04 REVOCATION:

Any and all parts of previous Orders, Rules and Regulation, Operations Memos and Administrative Orders in conflict with this Policy and Procedure are revoked.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 14	**TURKEY POINT**
Subject: 700B	**DIRECT READING DOSIMETRY OPERATIONS**
Date: 12/08/2008	

1. PURPOSE

To establish a procedure for the use of direct reading dosimeters.

2. GENERAL

I. A direct reading dosimeter (DRD) will allow the wearer to determine the level of gamma radiation that he or she has been exposed to.

II. DRDs used in Monroe County are either high range or low range dosimeters. CD V-742 High range DRDs measure exposure levels in units of roentgens. CD V-138/139 Low range DRDs measure exposure levels in units of milliroentgens (1/1000 of a roentgen).

CD V-742

CD V-138/139

III. Personnel assigned to work in a radiological hazard area will be assigned one high range and one low range DRD.

IV. Responders will not exceed the established exposure limits except as authorized by the Incident Commander in accordance with the *Turkey Point Procedure* and *EPA-400*.

3. PROCEDURE

DRD INSPECTION

A. DRDs should be free of dirt, mud or other foreign material.

B. DRDs should not be cracked, broken or bent.

C. A scale should be visible when you point the dosimeter toward a light source and look through the eyepiece.

D. The lack of a hairline on the scale upon initial inspection is not cause for concern. The DRD may only need charging.

DRD CHARGING USING A CD V-750, PISTOL GRIP DOSIMETER CHARGER

A. Adjust the slide on the charger so that the DRD rests in the cradle snugly.

B. Raise the dosimeter charger to your eyes so you can look through the dosimeter eyepiece.

C. Slowly and repeatedly depress the (black) charging trigger until the hairline appears through the eyepiece. Continue depressing the charging trigger until the hairline rests between zero (0) and twenty (20) on the dosimeter scale.

D. The hairline should never be to the left of zero (0).

E. Remove the DRD from the charger and confirm that the hairline remains between zero (0) and twenty (20) and is not moving across the scale on its own.

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DOSIMETER CHARGING USING A CD V-750, TABLETOP DOSIMETER CHARGER

A. Open the CD V-750 tabletop charger and install a battery.

B. Unscrew the cap from the charging contact.

C. Place the end opposite from the pocket clip against the charging contact.

D. Press down firmly on the charging contact until it is fully depressed. This will activate a light inside the charger. You will be able to view the dosimeter scale if you look through the eyepiece while it is on the charging contact.

E. Turn the adjustment knob left or right until the hairline rests between zero (0) and twenty (20) on the dosimeter scale.

F. The hairline should never be to the left of zero (0).

G. Remove the DRD from the charger and confirm that the hairline remains between zero (0) and twenty (20) and is not moving across the scale on its own.

WEARING OF THE DRD

1. DRDs should be worn at or near chest level.

2. Keep your DRD accessible so you can read them frequently.

3. If possible, use the pocket clip to attach your DRD to an item of clothing. This will help prevent it from falling off or becoming lost.

INTERPRETING DRD READINGS

1. The dose received is calculated by subtracting the "initial" reading from the "final" reading.

   Example: Initial reading after charging = 20 milliroentgen
   Final reading = 115 milliroentgen
   Total exposure = 95 milliroentgen (115 - 20)

2. Dose calculations will be compared to and kept below the authorized exposure limits.

DOCUMENTING DRD READINGS

1. The "Incident Radiation Exposure Record" is used to document exposure readings as measured on the DRDs.

2. Each DRD will have its own "Incident Radiation Exposure Record Form" which is issued with it.

3. The "Incident Radiation Exposure Record Form" will be completed prior to entering the radiation hazard area and will be updated every thirty (30) minutes.

4. Example:

Name: Jon Doe
S.S.#: 123-45-6789
Dosimeter #: 12345 Type: CD V-138 (mR)

Time	Reading	Total	Location
Depart	20	0	Evac CP
0 + 30	40	20	Zone 8
1 + 00	60	40	
1 + 30	60	40	
2 + 00	60	40	
2 + 30	85	65	Zone 4
3 + 00	85	65	Evac CP
3 + 30			
4 + 00			
4 + 30			
5 + 00			
5 + 30			
6 + 00			

5. Dosimeter # represents the DRD serial number. Not all DRDs have a serial number on them. If they don't, leave this item blank.

6. Type represents the DRD model. The model number is CD V-XXX. To avoid unnecessary confusion write down whether the DRD reads milliroentgen (mR) or roentgen (R).

MISCELLANEOUS

A. Keep DRDs dry if possible.

B. Do not strike them against any unyielding surfaces.

C. Remove the battery from the CD V-750 tabletop charger prior to storing it.

D. If there is a possibility that the DRD may be radiologically contaminated, it should be thoroughly wiped clean with a moist cloth and surveyed with a radiological survey instrument prior to putting it back into service.

E. DRDs should be recharged under the following circumstances:

1. If dropped

2. If it reaches its maximum reading before you have reached the authorized exposure limit (low range dosimeter only).

3. If it is reassigned to someone else.

4. Prior to going into the radiation hazard area.

4. REVOCATION:

Any and all parts of previous Orders, Rules and Regulation, Operations Memos and Administrative Orders in conflict with this Policy and Procedure are revoked.

Volume:	**STANDARD OPERATING PROCEDURES**
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Date: 12/08/2008	

INCIDENT RADIATION EXPOSURE RECORD

Name: _____

S.S. #: _____

Dosimeter #: _____ Type: _____

TIME	READING	TOTAL EXPOSURE	LOCATION
Depart			
0+30			
1+00			
1+30			
2+00			
2+30			
3+00			
3+30			
4+00			
4+30			
5+00			
5+30			
6+00			

Front

INSTRUCTIONS

Charge your dosimeter and enter the best reading obtainable on the departed line. Read the dosimeter and make a record every 30 minutes. Report to your supervisor every 6 hours. ***Do not exceed 100 m/R total exposure unless authorized by the County Manager or his designee.***

EXPOSURE LIMIT 500 m/R

Back

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 15	**TURKEY POINT**
Subject: 800	**SHELTER OPERATIONS**
Date: 12/08/2008	

1.0 Purpose

These procedures are not to be followed when necessary to open emergency shelters in Monroe County as a result of an emergency event at the Turkey Point Nuclear Plant.

2.0 Agency Responsibilities

2.1 Monroe County Emergency Management (MCEM) - All shelter operations will be initiated at the direction of Monroe County Emergency Management.

2.2 American Red Cross (ARC) – The ARC will open and operate all shelters as directed by Emergency Management.

2.3 Monroe County School Board(MCSB) – The MCSB will provide the school facilities requested by Emergency Management for use as a shelter when needed; provide necessary food service and maintenance workers; and provide transportation if required.

2.4 Emergency Medical Services (EMS) – MCFR/EMS will provide sufficient trained radiological monitors at the shelters to promptly survey all persons arriving at the shelters. Those found to be contaminated will be required to go through decontamination procedures, including showering and changing clothes.

2.5 Monroe County Sheriff's Office (MCSO) – MCSO will provide traffic control on all affected roads and at the survey and decontamination area. They will also provide all necessary security at the various shelters, impound area and the Emergency Operation Center (EOC).

3.0 Emergency Management Procedures

3.1 MCEM will order the opening of the Reception Area/Shelter as necessary depending upon the following conditions:

3.1.1 Ocean Reef is ordered to evacuate.

3.1.2 Miami-Dade County directs a significant number of evacuees south to Monroe County.

3.1.3 Traffic flow north to Miami-Dade County is delayed for a significant length of time.

3.1.4 Any other circumstances in which a significant number of people lack a place to take shelter, obtain food and water, or need to have access to restroom facilities.

3.2 MCEM must obtain a DECLARATION OF STATE OF LOCAL EMERGENCY from the Mayor, Mayor Pro Tem, or Sheriff.

3.3 Advice the School Board Superintendent and appropriate school principal of the specific needs, including location, length of time, and staffing.

3.4 Notify ARC to open shelter.

3.5 Notify the RRT to activate necessary personnel.

3.6 Notify MCSO to commence traffic control and security operations.

3.7 Direct the Public Information Officer's (PIO) to issue press release when necessary.

4.0 Registration Procedures at Shelters

4.1 All persons entering the shelter will undergo a complete survey to detect any radiological contamination. The Ludlum Portal Monitor and the CD 700 survey meter will be used.

4.2 In the event that a person is found to be contaminated he or she shall be escorted to the shelter decontamination area for decontamination. After decontamination he or she will be re-surveyed, given clothing and admitted to the shelter. Dry decontamination is the preferred method or decontamination

4.3 Any person found not to be contaminated shall be required to fill out a registration form (Form 1 attached) prior to entering the shelter.

4.4 A contaminated person shall also fill out the registration form, but in addition, they will be required to fill out a Contamination Report Form (form 2) and a Vehicle Contamination Report Form (form 3) if they arrived at the shelter in a vehicle. Said vehicle shall be impounded and held in the parking lot for decontamination.

Volume:	STANDARD OPERATING PROCEDURES
Section: 16	TURKEY POINT
Subject: 801	SPZ EVACUATION
Date: 12/20/2010	

Monroe County Special Needs Population Transportation & Evacuation

1.0 Purpose

In the event of an Emergency at the Turkey Point Nuclear Plant there may be a need for manpower and vehicles to evacuate and transport Special Needs population. Monroe County Social Services (MCSS) will supply the manpower and Monroe County Transit (MCT) will supply the buses for transportation.

2.0 Procedures

When requested by Emergency Management, MCSS will dispatch personnel as needed to transport Special Needs evacuees to the Key Largo Emergency Shelter or other location specified by Emergency Management via MCT buses.

MCT busses are driven by staff from MCSS and are trained to transport the Special Needs Population. MCT busses are dispatched from housing locations in Plantation Key, Marathon and Key West. MCSS populates and maintains the Special Needs Registry.

Emergency Management will request to ESF 6 Mass Care, transportation of Special Needs Population. ESF6 will dispatch a MCT bus with the pertinent contact and verification information from the closest housing location to the designated pick up location of the evacuee. ESF 6 will notify the Special Needs evacuee of the time of and pick up location.

Upon arrival at the pickup location, the MCT bus driver will verify the client's identification, assist with any needs and transport them to the designated location. The MCT bus driver will assist with and confirm each Special Needs Population evacuees Shelter Check In. The MCT driver will transmit all transportation records to the ESF 6 desk upon completion.

Volume:	STANDARD OPERATING PROCEDURES
Section: 17	TURKEY POINT
Subject: 802	SCHOOL EVACUATIONS
Date: 10/01/2016	

1.0 Purpose

Ocean Reef Public Safety (ORPS) will be responsible for notification and coordination of the evacuation of students and staff of both schools when requested by the Ocean Reef Public Safety Director.

Ocean Reef has 2 private school facilities "Reef Club Kids" and "The Academy at Ocean Reef."

In the event of an Emergency at the Turkey Point Nuclear Plant, schools within Ocean Reef within the emergency planning zone may be required to evacuate students and staff with no undue delay to the Emergency Reception Center at the Key Largo Elementary.

This plan outlines the procedures, responsibilities, and equipment necessary to carry out the operations in response planning.

2.0 Procedures

Notification:

1. All parents are required to sign a waiver at each student's registration authorizing each school to take all measures necessary to provide for the safety and well being of students in their supervision. Parents will be provided with KI Administration Consent Form (attached).

2. Monroe County Emergency Management sends school administration staff a reminder letter annually to instruct both facilities to provide parents with emergency planning information (attached).

3. The FPL Turkey Point Nuclear Power Plant Annual Safety Information Guide sent to all households in the EPZ contains instructions and contact numbers for parents, directing them to "not attempt to pick up their children at the schools in the event of an emergency at Turkey Point Nuclear Power Plant but rather proceed to the Key Largo Emergency Reception Center for reunification."

4. Press announcements will instruct parent to go directly to the Key Largo Evacuation Reception Center for reunification with their children.

5. Signage posted at each schools entrance will clearly post instructions for parents and contact phone numbers, should all other notification methods fail.

Operations:

a. Ocean Reef Public Safety Director or designee will contact each school's principal at the "Alert" action level to be on standby to prepare for an evacuation. (read and prepare to execute MOU's) if needed for transportation assets needed.
b. ORPS should also check on the availability / opening of the Key Largo Evacuee Reception Center by contacting ORPS liaison at the Radiological Emergency Operations Center.
c. If situation escalates ORPS Director will order the schools to evacuate based on REP EOC protective actions.
d. Each school will muster students and staff per internal SOP
e. MOUs if necessary will support evacuation transport by Ocean Reef Community Association vehicles (vans) if needed.
f. School staff will remain at the Key Largo Evacuee Reception Center in Key Largo until each student is reunited with their parents.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 18	**TURKEY POINT**
Subject: 900	**MONROE COUNTY PUBLIC WORKS OPERATING PROCEDURES**
Date: 12/20/2010	

1.0 Purpose

In the event of an Emergency at the Turkey Point Nuclear Plant there will be a need for manpower to help set up the Tavernier EOC, traffic cones and road barricades. Monroe County Public Works (MCPW) will supply the manpower.

2.0 Procedures

When requested by Emergency Management, MCPW will dispatch personnel as needed to transport equipment to the Tavernier Emergency Operating Center (EOC) these personnel will also assist in setting up the EOC. Additional personnel will be dispatched as needed to set up traffic cones and barricades at the wash down area and any other locations specified by Emergency Management.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 19	**TURKEY POINT**
Subject: 1000	**COMMUNICATIONS PROCEDURES**
Date: 12/08/2008	

1.0 Purpose

In order to effectively manage an Emergency at the Turkey Point Nuclear Power Plant Communications must be maintained. Monroe County's Department of Emergency Communications and the County's Technical Services Department are responsible for the maintenance of primary and back-up phone systems.

2.0 Communications Systems

2.1 Primary communications systems, and their use, are as follows:

2.1.1 The telephone is the primary communications link between the Nuclear Power Plant (Turkey Point), Miami/Dade Emergency Operation Center (EOC), State Warning Point (SWP), State Department of Emergency Management (FDEM), the Emergency Operation Facility (EOF), the Emergency News Center (ENC) and any other applicable facility.

2.1.2 The Hot Ring Down (HRD) is used for communication between the EOC, the EOF and the SWP.

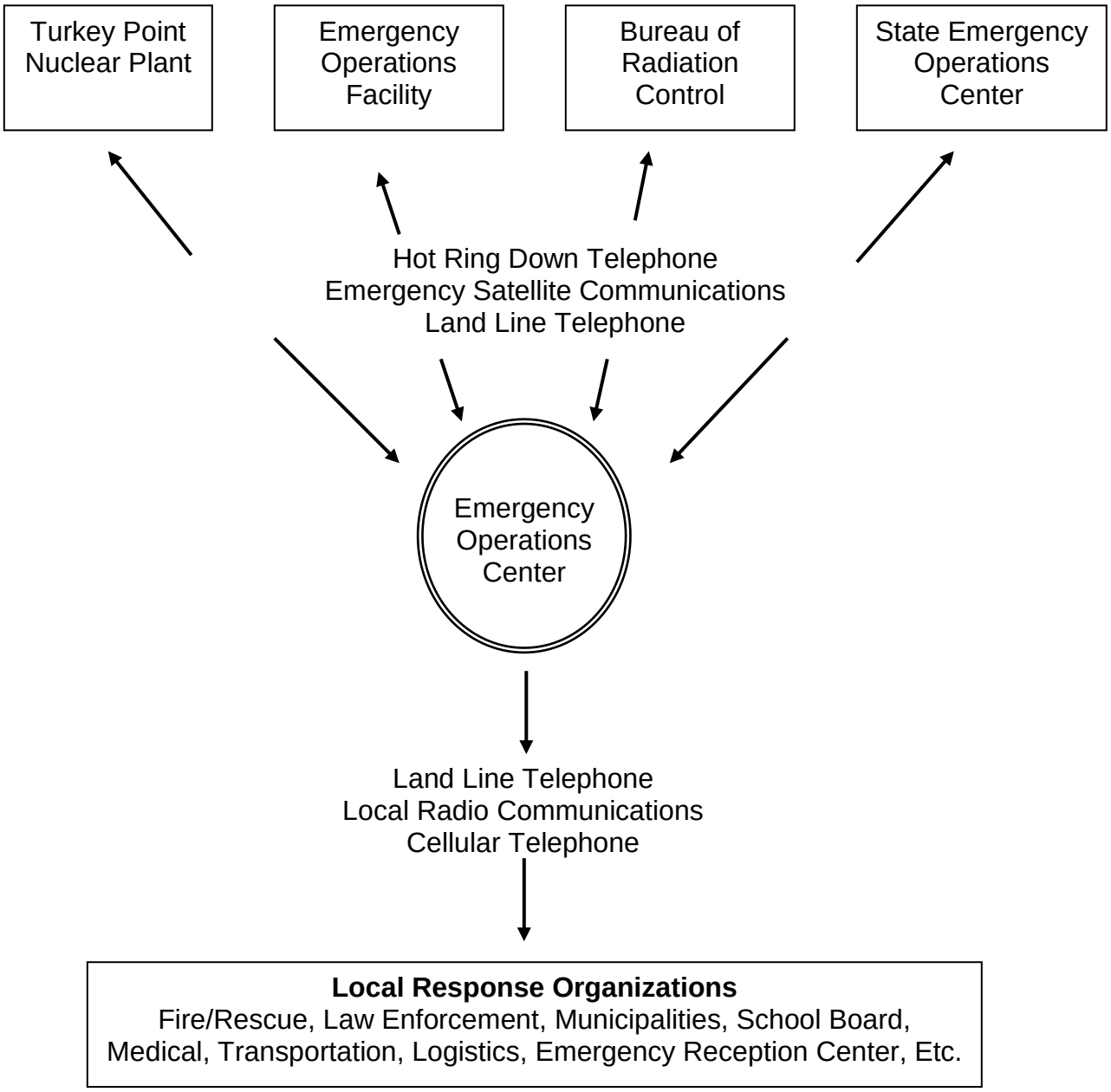
2.1.3 UHF and VHF radio will be primary means of communications for the field personnel.

2.1.4 Cellular Phones will be used for communications between Emergency Management (EM) personnel and field managers for communication with the EOC.

2.2 Secondary communications systems, and their use, are as follows:

2.2.1 Cellular Phone can be used as a backup to telephones and UHF and VHF radios for all communications.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 19	**TURKEY POINT**
Subject: 1000	**COMMUNICATIONS PROCEDURES**
Date: 12/08/2008	



Volume:	**STANDARD OPERATING PROCEDURES**
Section: 20	**TURKEY POINT**
Subject: 1100	**OCEAN REEF PUBLIC SAFETY OPERATING PROCEDURES**
Date: 12/20/2010	

1.0 Purpose

In the event of an Emergency at the Turkey Point Nuclear Power Plant it will be necessary to notify the residents, employees and visitors at Ocean Reef. Such notification may involve a general message informing those concerned of the conditions at the plant so as to avoid any safety concerns they may have. However, in the event of a major emergency the notifications will be performed by members of the Ocean Reef Public Safety Department. These procedures outline their duties and responsibilities.

1.1 The Ocean Reef Public Safety Department will be the Primary Agency responsible for the implementation of these procedures.

2.0 Ocean Reef Public Safety Department Procedures

2.1 Preliminary Actions:

2.1.1 Obtain a telephone briefing from Emergency Management at the Tavernier EOC regarding the following:

- Conditions at the Turkey Point Nuclear Power Plant
- Expected additional problems which may arise.
- Emergency actions to be taken immediately.
- Anticipated Emergency Actions.
- Shelter opened or closed.

2.1.2 Dispatch ORPS radio equipped liaison to Tavernier EOC.

2.1.3 Review SOP 600 on Personal Dosimeters. Issue high and low level self reading dosimeters as well as TLD's to each on duty Public Safety Officer. All dosimetry is on hand at the ORPS Headquarters.

2.2 Notification to General Public

2.2.1 The on duty ORPS supervisor will implement ORPS SOP 10.31 the

2.2.2 Upon receipt of Public Notification Messages (i.e. Emergency Alert System (EAS) messages) from the Tavernier EOC, these messages will immediately be transmitted pursuant to ORPS SOP 10.31 referenced in subsection 2.4 below.

2.3 Evacuation

2.3.1 Upon receipt of an Evacuation Order from the Incident Commander at the Tavernier EOC the Evacuation Order will be immediately transmitted to the General public via the Route Notification procedures set forth below.

2.3.2 Upon completion of the Route Notifications and the subsequent evacuation of Ocean Reef *ALL* Ocean Reef Public Safety Officers shall evacuate the area. They are to report to the officer-in-charge at the Emergency Worker Decontamination Area. After completing the EW Decon procedures they will be given further instructions.

2.3.3 Nothing in these procedures should be interpreted to supersede SOP 600. The limits set, and the procedures set forth, in SOP 600 are controlling.

2.4 Route Notification Procedures

2.4.1 General: When the situation arises to make general notifications, the Public Safety Department will take the information and notify the population through the Code Red reverse 911 dialing system for the individual homes, and Public Safety vehicles through their public address systems for common areas such as the golf course and marina. The notification will direct home owners to turn to Ocean Reef's channel 5 for emergency announcements while the Public Safety Vehicles will announce the same message in the common areas listed below.

2.4.2 Code Red: Is a reverse 911 system that can make telephonic announcement to all homes and businesses in the Ocean Reef Community. When a notification has to be made, the Ocean Reef contact at the Tavernier EOC will notify Ocean Reef Public Safety (ORPS) to upload the emergency notification message to the local channel 5 television station. The television station is located at the Academy with personnel on staff to make the appropriate television listings. Once the message has to be activated, ORPS will program the Code Red dialing system to alert those called of an emergency at Turkey Point and to turn to channel 5 for the emergency announcements. Code Red can be activated through the Internet at any computer terminal.

2.4.3 Route Notification: A minimum of four Public Safety Vehicles with public address systems will be dispatched to cover all common areas that are not reached by the Code Red dialing system. Areas are designated so that all notifications are completed within 45 minutes. When a notification has to be made, the Ocean Reef contact at the Tavernier EOC will notify ORPS Dispatch to initiate the route notification. Drivers will be assigned areas by the Shift Sergeant and drivers will be instructed to read the emergency message over the public address system at the designated stops for each area. Once completed, and all drivers have reported that their assignments are complete. Dispatch will notify their contact at the Tavernier EOC. The following is a list of the areas that will require announcements through the Public Address System by the Public Safety Officers:

Area 1 – Racquet and Tennis Club parking lot

Area 2 – Harbor House street entrance

Area 3 – Service Village near 17th hole

Area 4 – Islander entrance to Buccaneer Island

Area 5 – Dockmaster Office parking lot area

Area 6 – Fishing Village Entrance

Area 7 – Allied Marine storage area

Area 8 – Dolphin Club House on Anchor Drive

Area 9 – Gatehouse Road in front of Harbor Green

Area 10 – North end of bridge on South Harbor Drive

Area 11 – Academy Parking lot

Area 12 – End of Thatch Palm Way

Area 13 – End of South Harbor Drive

Area 14 – Bayberry Lane at the 10th Tee

Public Safety Officers will be given a copy of the emergency notification with the complete text from the EOC. Upon completion of each announcement, drivers will radio Dispatch and report their next destination for announcement.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 21	**TURKEY POINT**
Subject: 1200	**INGESTION PATHWAY PROCEDURE**
Date: 12/08/2008	

1.0 PURPOSE

The purpose of this procedure is to provide a basis for ingestion pathway operations related to Ingestion Pathway emergency at the Turkey Point Nuclear Power Plant.

2.0 CONCEPT OF OPERATIONS

The Ingestion Pathway extends from the Plant outwards to fifty (50) miles in every direction. This pathway is established to account for the effects of a radiological release and the potential contamination of water and food, including milk, fresh vegetables, fish and seafood. Ingestion exposure represents a long-term problem.

Monroe County Emergency Management Department will maintain an up-to-date list of facilities which regularly process food products (i.e., wholesale fisheries located within the 50-mile IPZ)

3.0 EMERGENCY MANAGEMENT PROCEDURE

3.1 Complete General Emergency procedures, if not yet implemented
3.2 Notify all relevant wholesale fisheries (within the 50-mile IPZ) of potential radiological contamination
3.3 Identify fisheries possibly contaminated by plume exposure
3.4 Request State and Federal assistance in determining the level and extent of contamination and the control, embargo, and disposal of contaminated fish
3.5 Assist the State and Federal agencies in the control and prevention of contaminated fish distribution
3.6 Provide county resources to assist the Department of Health, Bureau of Radiation Control, in the implementation of their responsibilities and support the monitoring and control of the contaminated fish

4.0 DEPARTMENT OF HEALTH – BUREAU OF RADIATION CONTROL

4.1 The BRC is responsible for the air analysis, particulate, soil, liquids and solid organic matter within the IPZ
4.2 The BRC is responsible for making protective actions recommendations to Emergency Management

5.0 DEPARTMENT OF AGRICULTURE AND CONSUMERS SERVICES

5.1 DACS is responsible for determining the needs of the agricultural industry, which includes the Monroe County wholesale fisheries, as guided by the BRC recommendations and make appropriate recommendations to Emergency Management
5.2 Coordinate with, and assist, the BRC in obtaining samples of fish and water for radiological testing to Determine the degree of contamination
5.3 Control and prevent the distribution of contaminated fish during a radiological emergency
5.4 In coordination with the BRC, embargo and dispose of fish which is not fit for human consumption

6.0 FLORIDA WILDLIFE COMMISSION (FWC)

6.1 FWC is responsible for conducting warning and evacuation in all waterways during radiological emergency

6.2 Cooperate with the BRC in the collection of biota samples, as required

6.3 Support the FHP, MCSO and other LE personnel with area security

6.4 Communicate and coordinate with the Emergency Management Department at all times

DEALER	ISSUEDTO	ADDRESS1	CITY	ST	ZIP
RC0000945	KEY LARGO FISHERIES INC	1313 OCEAN BAY DR	KEY LARGO	FL	33037
RC0001101	MURRAY'S FOOD MART	PO BOX 420209	SUMMERLAND KEY	FL	33042
RC0001979	STOCK ISLAND LOBSTER CO	5539 MAOLNEY AVE	KEY WEST	FL	33040
RC0002368	KEYS FISHERIES INC	3390 GULFVIEW AVE	MARATHON	FL	33050
RC0004009	HERBIE'S BAR	6350 OVERSEAS HIGHWAY	MARATHON	FL	33050
RC0007651	GERALD E MAYETTE	1129 CALLE ENSENADA	MARATHON	FL	33050
RC0007957	CORAL REEF PARK CO INC	36850 OVERSEAS HWY	BIG PINE KEY	FL	33043
RC0008073	OUTDOOR RESORTS MARINA	P O BOX 816	LONG KEY	FL	33001
RC0009758	RUSTY ANCHOR FISHERIES	3RD AVE	KEY WEST	FL	33040
RC0013114	HOLIDAY ISLE BOAT RENTAL INC	84001 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0014181	BIG PINE KEY FISHING LODGE	MILE MARKER 33	BIG PINE KEY	FL	33043
RC0014247	OLD WOODEN BRIDGE FISHING CAMP	1791 BOGIE DR	BIG PINE KEY	FL	33043
RC0016507	THE FISH HOUSE KEY LARGO	102401 OVERSEAS HWY	KEY LARGO	FL	33037
RC0017525	ARMANDO PARRA JR	1107 KEY PLAZA STE 179	KEY WEST	FL	33040
RC0017766	SEA BOOTS CHARTERS INC	24386 OS HWY	SUMMERLAND KEY	FL	33042
RC0019768	MICHAEL S BARNES SR	1991 FORD TAG # RSW-84M	SUMMERLAND KEY	FL	33042
RC0019867	C & B DISTRIBUTORS	141 DICKIE WAY	TAVERNIER	FL	33070
RC0019925	KANDI G BALLARD	381 AVE D	SUMMERLAND KEY	FL	33042
RC0020089	DREAM ON INC	185 COCONUT AVE	MARATHON	FL	33050
RC0020750	TIMOTHY R DANIELS	3390 GULFVIEW AVE	MARATHON	FL	33050
RC0021368	ARTURO RAMIREZ	G 25 ROBERTA ST	KEY WEST	FL	33040
RC0023255	ROBERT M GRAY	125 D PEARY COURT	KEY WEST	FL	33040
RC0023701	NUTHENS PURFECT INC	119 PLAZA DEL SOL	ISLAMORADA	FL	33036
RC0024485	CAPTAINS THREE BAIT & FISHERIES INC	LOT 19 COCO PLUM BLVD	MARATHON	FL	33050
RC0024767	FAUSTO'S FOOD PALACE INC	1105 WHITE ST	KEY WEST	FL	33040
RC0024836	ROBERT C BROWN	28051 MILLS RD	SUMMERLAND KEY	FL	33042
RC0025252	FARELLA'S VILLAGE CAFE INC	5800 OVERSEAS HWY 13	MARATHON	FL	33050
RC0025372	JOHN L DUNN	BIG PINE KEY FISHING LODGE	BIG PINE KEY	FL	33043
RC0025642	TERRANCE L SPENCER	2-A 7TH AVE., STOCK ISLAND	KEY WEST	FL	33040
RC0025802	RICKY L LAFLAIR	111	KEY WEST	FL	33040
RC0027281	SUGARLOAF MARINA	17015 OVERSEAS HWY	SUGARLOAF SHORES	FL	33042
RC0027309	PHILLIP N GOULD	29058 ROSE DR	BIG PINE KEY	FL	33043
RC0027464	PAUL J GRALA	300 SEVILLA AVE.	KEY LARGO	FL	33037
RC0027647	RONNIE G BOGGESS	1874 107TH ST	MARATHON SHORES	FL	33052
RC0027879	CONCH REPUBLIC SEAFOOD COMPANY	631 GREENE ST	KEY WEST	FL	33040
RC0028569	DEBRA D HESS	2231 MIDDLE TORCH RD	SUMMERLAND KEY	FL	33042
RC0028636	BEN W DISDIER	19686 CANAL RD	SUMMERLAND KEY	FL	33042
RC0028662	DONALD A YOUNG	30250 US HWY I	BIG PINE KEY	FL	33043
RC0028768	DYNASTY MARINE ASSOCIATES INC	10602 7TH AVE GULF	MARATHON	FL	33050
RC0187341	CRITTERS OF THE KEYS INC	100636 OVERSEAS HWY	KEY LARGO	FL	33037
RC0187803	ORE SEAFOOD INC	1064 OCEANVIEW AVE	MARATHON	FL	33050
RC0187900	LYNN M PAPP	69501 OVERSEAS HWY	LONG KEY	FL	33001
RC0188019	R & C G ENTERPRISE LLC	24838 OVERSEAS HWY	SUMMERLAND KEY	FL	33042
RC0188102	GEORGE W NILES	# 8 PENNISALAR AVE	STOCK ISLAND	FL	33040
RC0188104	KEY LARGO BAIT&TACKLE	101741 Overseas Hwy	KEY LARGO	FL	33037
RC0188396	CHARLES E FRICKE JR	1 DIRK LANE	SUMMERLAND KEY	FL	33042
RC0188492	MARLIN FOOD STORES	88601 OVERSEAS HWY	TAVERNIER	FL	33070
RC0188525	BUTTONWOOD BAY CONDOMINIUM ASSN INC	96000 OVERSEAS HWY	KEY LARGO	FL	33037
RC0188526	PAPA JOE'S MARINA	74520 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0188533	SIEVERS MARINE INC	21 GARDEN COVE DR	KEY LARGO	FL	33037
RC0188560	RENT A BOAT INC	77520 O/S HWY	ISLAMORADA	FL	33036
RC0188564	GEORGE GANEM	106580 OVERSEAS HIGHWAY 13	KEY LARGO	FL	33037
RC0188608	SANDY COVE MARINE SALES	74540 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0188617	GEORGE GANEM	106580 OVERSEAS HIGHWAY 13	KEY LARGO	FL	33037
RC0188631	CALOOSA COVE MARINA INC	73501 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0188700	GRASSY KEY DAIRY BAR INC	11711 OVERSEAS HWY	MARATHON	FL	33050

DEALER	ISSUEDTO	ADDRESS1	CITY	ST	ZIP
RC0188894	LOS CEDASOS INC	2 DRURY DR	KEY LARGO	FL	33037
RC0188965	ROLAND C MEYERS	1471 ST RD 4 A	SUMMERLAND KEY	FL	33042
RC0189162	HALF SHELL RAW BAR LLC	231 MARGARET ST	KEY WEST	FL	33040
RC0189179	KEY'S SPONGE CORP	502 PARK DR	KEY WEST	FL	33040
RC0189229	LAST DOLLAR INC	124 LOWE ST	TAVERNIER	FL	33070
RC0189392	FISH BUSTERZ FISHERIES LLC	6840 FRONT STREET	KEY WEST	FL	33040
RC0189489	JIMMY W TILLMAN JR	30065 LINDA ST	BIG PINE KEY	FL	33043
RC0190472	DOLPHIN MARINA ASSOCIATES LTD	28500 OVERSEAS HWY	LITTLE TORCH KEY	FL	33042
RC0191160	THE SHELL MAN INC	817 OCEANA AVE	KEY LARGO	FL	33037
RC0192422	REEF LIGHT TACKLE LLC	29147 CACTUS LN	BIG PINE KEY	FL	33043
RC0193507	BIG TIME BAIT & TACKLE INC	11499 O/S HWY	MARATHON	FL	33050
RC0193566	LOBSTER MONSTER CO	122 GULFWIND LANE	MARATHON	FL	33050
RC0193922	THE TACKLE BOX	1901 OVERSEAS HWY	MARATHON	FL	33050
RC0194004	SEASHIME LLC	3 N CONCH AVE	MARATHON	FL	33050
RC0194138	CHRISTIAN M BONIFACE	144 SEA LN	KEY WEST	FL	33040
RC0194312	ONE STOP SHOP TACKLE AND BAIT	99246 OVERSEAS HIGHWAY	KEY LARGO	FL	33037
RC0194540	KENT W TYLER	30194 OCEANSIDE DRIVE	BIG PINE KEY	FL	33043
RC0195685	NICHOLS SEAFOOD SUPPLIERS, INC	146 VENETIAN DRIVE	ISLAMORADA	FL	33036
RC0195772	WILLIAM N DOMINICAK	1402 MERELYN LANE	BIG PINE KEY	FL	33043
RC0195779	BLACKWATER SOUND MARINA	103950 OVERSEAS HIGHWAY	KEY LARGO	FL	33037
RC0196876	PELAGIC CORP	110 SHORE LN	SUGARLOAF	FL	33042
RC0196942	THE ISLAND FISH CO.	12648 OVERSEAS HWY	MARATHON	FL	33050
RC0197301	TAKE IT OR LEAVE IT INC	19 NORTH CHANNEL DR	KEY LARGO	FL	33037
RC0197425	DAVID A SANDS	19 NORTEH CHANNEL DR	KEY LARGO	FL	33037
RC0197464	PAMPERED PET OF KEY WEST	2508-102 N ROOSVELT BLVD	KEY WEST	FL	33040
RC0197786	W J GEORGE	113 VILABELLA DRIVE	ISLAMORADA	FL	33036
RC0198016	TURNKEY MARINA MGMNT INC	1100 OVERSEAS HWY	MARATHON	FL	33050
RC0198146	NOMAD OUTFITTERS LLC	59740 OVERSEAS HWY	MARATHON	FL	33050
RC0198390	M/V J. T. INC	1220 19TH TERR	KEY WEST	FL	33040
RC0198441	MORING STAR SPORTFISHING	22946 TEACH LANE	CUDJOE KEY	FL	33042
RC0200119	PEDRO BETANCOURT	108 COCONUT ROW	TAVERNIER	FL	33070
RC0201041	ABAIT ABOVE	1480 OCEAN VIEW AVE	MARATHON	FL	33050
RC0201505	KEYS CUSTOM RODS	10701 6TH AVE GULF 1 A	MARATHON	FL	33050
RC0201796	ALLEN S LEE	1475 OCEAN BREEZE	MARATHON	FL	33050
RC0201810	EATON STREET RETAIL SEAFOOD MARKET LLC	621 EATON STREET	KEY WEST	FL	33040
RC0201880	K M TOMITA INC	5230 U S HWY 1	KEY WEST	FL	33040
RC0201906	EDWARD A HOFFMAN	149 CARRIBEAN AVE	TAVERNIER	FL	33070
RC0202034	HARVEY JOHNSON	1801 N ROSEVELT	KEY WEST	FL	33040
RC0202037	CRAMER'S CARIBBEAN CRITTERS	161 ADOBE CASA CT	TAVERNIER	FL	33070
RC0202104	BRIAN A WALKER	21 N CHANNEL DR	KEY LARGO	FL	33037
RC0202449	CRAIG MURDOCK	9 KING BIRD LANE	KEY WEST	FL	33040
RC0204599	WILLIAM C WIATT	100 W CONCH AVE	MARATHON	FL	33050
RC0204840	ANDREW A SCHLIEPER	890 15TH ST	MARATHON	FL	33050
RC0205607	OCEAN FINS LLC	23038 SAILFISH LN	CUDJOE KEY	FL	33042
RC0205992	ERNEST M PITON	601 PORTEEIA CIR	KEY LARGO	FL	33037
RC0205999	FREDRICK P KILLGORE	271 HIBISCUS ST	TAVERNIER	FL	33070
RC0206001	COLIN W FOORD	29555 LUCRELIA ST	BIG PINE KEY	FL	33043
RC0206025	RELENTLESS FISHING INC	158 TAMPA DRIVE	TAVERNIER	FL	33070
RC0206095	FLORIDA KEYS LOBSTER & STONE CRA CO.	201 20TH STREET LOT 21	MARATHON	FL	33050
RC0206158	DELPHFISHING INC	12 VENTANA LN	KEY WEST	FL	33040
RC0206304	ROBERT G PETRICK SR	22962 CAPT KIDD LANE	SUMMERLAND KEY	FL	33042
RC0206443	MATTS SEAFOOD LLC	82788 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0206529	HARRIS FRIEDMAN	200 FLORIDA AVENUE	TAVERNIER	FL	33070
RC0206596	LACROSS MARINA LLC	400 OCEAN DRIVE	KEY LARGO	FL	33037
RC0206618	NATURAL RETAIL GROUP	201 WILLIAM ST	KEY WEST	FL	33040
RC0207187	KEYS SEA CRITTERS LLC	29555 LUCERCIA ST	BIG PINE KEY	FL	33043

DEALER	ISSUEDTO	ADDRESS1	CITY	ST	ZIP
RC0207576	MICHAEL N LAUDICINA	1709 SOUTH ST	KEY WEST	FL	33040
RC0208808	KEN FOLLIS III	19 N CONCH AVENUE	MARATHON	FL	33050
RC0209227	KIMBER DEAN	5555 COLLAGE RD	KEY WEST	FL	33040
RC0209323	JOSEPH H LILLY	10829 2ND AVE	MARATHON	FL	33050
RC0209405	ROBERT L DELCORIO	140 PEACE AVE	TAVERNIER	FL	33070
RC0209433	TOM'S CARIBBEAN TROPICALS INC	106 ARCTIC AVE	TAVERNIER	FL	33070
RC0209434	EVIE'S SUBS INC	22836 OVERSEAS HIGHWAY	CUDJOE KEY	FL	33042
RC0209805	MICHAEL N OLSON	112 PEACE AVE	TAVERNIER	FL	33070
RC0210071	KENNETH N NEDIMYER	112 GARDEN STREET	TAVERNIER	FL	33070
RC0210171	JAMES W BRUSH	225 KEY DEER BLVD	BIG PINE KEY	FL	33043
WD0000004	CAPTAINS THREE BAIT & FISHERIES INC	LOT 19 COCO PLUM BLVD	MARATHON	FL	33050
WD0000257	STOCK ISLAND LOBSTER CO	5539 MAOLNEY AVE	KEY WEST	FL	33040
WD0000312	KEYS FISHERIES INC	3390 GULFVIEW AVE	MARATHON	FL	33050
WD0000333	KEY LARGO FISHERIES INC	1313 OCEAN BAY DR	KEY LARGO	FL	33037
WD0000918	ISLAND SHRIMP INC	137 FAIRWICH COURT	TAVERNIER	FL	33070
WD0001535	CHOICE WHOLESALE INC	495 SOMBERO BCH RD	MARATHON	FL	33050
WD0002597	RUSTY ANCHOR FISHERIES	3RD AVE	KEY WEST	FL	33040
WD0002736	DYNASTY MARINE ASSOCIATES INC	10602 7TH AVE GULF	MARATHON	FL	33050
WD0003820	HENRY A FEDDERN	156 DOVE AVE	TAVERNIER	FL	33070
WD0003821	SEA LIFE INC	112 GARDEN STREET	TAVERNIER	FL	33070
WD0003843	BIO MARINE TECHNOLOGIES	26 AMARYLLIS DR	KEY WEST	FL	33041
WD0003899	MARICULTURE TECHNOLOGIES INT'L INC	149 PLANTATION DR	TAVERNIER	FL	33070
WD0003980	MARY K GLADDING	27 A 12TH AVE	KEY WEST	FL	33040
WD0004105	TOM'S CARIBBEAN TROPICALS INC	106 ARCTIC AVE	TAVERNIER	FL	33070
WD0004116	THE FISH HOUSE KEY LARGO	102401 OVERSEAS HWY	KEY LARGO	FL	33037
WD0004187	UNDERWATER SPECIALTIES INC	5950 MALONEY AVE 654	KEY WEST	FL	33045
WD0004231	KEITH L BURKMAN	1175 LONG BCH DR	BIG PINE KEY	FL	33043
WD0004250	GIN TOM INC	306 12TH ST GULF	MARATHON	FL	33050
WD0004731	WILLIAM B SABAT	MM 91 US 1	TAVERNIER	FL	33070
WD0004993	C & B DISTRIBUTORS	141 DICKIE WAY	TAVERNIER	FL	33070
WD0005004	KANDI G BALLARD	381 AVE D	SUMMERLAND KEY	FL	33042
WD0005103	DREAM ON INC	185 COCONUT AVE	MARATHON	FL	33050
WD0005130	CELSO A VALDES	10877 OVERSEAS HWY APT # 11	MARATHON	FL	33050
WD0005985	ROBERT M GRAY	125 D PEARY COURT	KEY WEST	FL	33040
WD0006166	FRANK A MARTORANA	201-20TH ST	MARATHON	FL	33050
WD0006397	FARELLA'S VILLAGE CAFE INC	5800 OVERSEAS HWY 13	MARATHON	FL	33050
WD0006433	PELAGIC CORP	110 SHORE LN	SUGARLOAF	FL	33042
WD0006522	THE LOBSTER CONNECTION CORP	1280 OCEANVIEW AVE	MARATHON	FL	33050
WD0006683	D & D SEAFOOD CORP	38 COCO PLUM DR	MARATHON	FL	33050
WD0006684	KEY WEST FRESH SEAFOODS INC	202 SHORE AVE	KEY WEST	FL	33040
WD0006685	FRANCIS W WRIGHT	17334 LA BRISA LANE	SUMMERLAND KEY	FL	33042
WD0006759	SEA CRITTERS INC	50 SEA CRITTERS LN	KEY LARGO	FL	33037
WD0006806	CURTIS W WATERS	1082 82ND ST	MARATHON	FL	33050
WD0006868	KEYS SPONGE CORP	502 PARK DR	KEY WEST	FL	33040
WD0006907	ROBERT C FELDMAN	3430 FLAGER AVE	KEY WEST	FL	33040
WD0006950	PHILLIP N GOULD	29058 ROSE DR	BIG PINE KEY	FL	33043
WD0007079	CONCH REPUBLIC SEAFOOD COMPANY	631 GREENE ST	KEY WEST	FL	33040
WD0007315	WILLIAM N DOMINICAK	1402 MERELYN LANE	BIG PINE KEY	FL	33043
WD0007320	DOUG J STARLIPER	535 96TH ST	MARATHON	FL	33050
WD0007363	DEBRA D HESS	2231 MIDDLE TORCH RD	SUMMERLAND KEY	FL	33042
WD0007381	MICHAEL R FREEMAN	105 26 ST	MARATHON	FL	33050
WD0007434	ORE SEAFOOD INC	1064 OCEANVIEW AVE	MARATHON	FL	33050
WD0007493	DIDI' LOBSTER & STONE CRAB CORP	208 20TH ST	MARATHON	FL	33050
WD0007524	FISH BUSTERZ FISHERIES LLC	6840 FRONT STREET	KEY WEST	FL	33040
WD0007571	DAVID A CURLS	105 LAKEVIEW DR	ISLAMORADA	FL	33036
WD0007798	VERNON E SIEGEL	30915 BAILEY RD	BIG PINE KEY	FL	33043

DEALER	ISSUEDTO	ADDRESS1	CITY	ST	ZIP
WD0007844	TROPICAL SHELLS & GIFTS INC	205 SIMONTON ST	KEY WEST	FL	33040
WD0007853	KENNETH G KULL	29145 TULIP LANE	BIG PINE KEY	FL	33043
WD0008023	AQUA SOURCE OF THE FLA KEY INC	201 20TH ST	MARATHON	FL	33050
WD0008087	KEY LARGO BAIT&TACKLE	101741 Overseas Hwy	KEY LARGO	FL	33037
WD0008214	MARINE AQUATICS	22921 HAWKINS LN	SUMMERLAND KEY	FL	33042
WD0008263	GRASSY KEY DAIRY BAR INC	11711 OVERSEAS HWY	MARATHON	FL	33050
WD0008339	LOS CEDASOS INC	2 DRURY DR	KEY LARGO	FL	33037
WD0008421	HALF SHELL RAW BAR LLC	231 MARGARET ST	KEY WEST	FL	33040
WD0008432	ROBERT B ELKINS	7 HIGGS LANE	KEY WEST	FL	33040
WD0008446	LAST DOLLAR INC	124 LOWE ST	TAVERNIER	FL	33070
WD0008468	F/V ANGUS INC	201 20TH ST LOT 18	MARATHON	FL	33050
WD0008627	SEA SAMPLES	369 WSHORE DR	SUMMERLAND KEY	FL	33042
WD0009775	LOBSTER MONSTER CO	122 GULFWIND LANE	MARATHON	FL	33050
WD0010472	HOLIDAY SEAFOOD KEY WEST	1 TAMARID DRIVE	KEY WEST	FL	33040
WD0010486	MONTY A DALE	1257 WARNER RD	LITTLE TORCH KEY	FL	33042
WD0011212	NICHOLS SEAFOOD SUPPLIERS INC	146 VENETIAN DR	ISLAMORADA	FL	33036
WD0011807	THE ISLAND FISH CO.	12648 OVERSEAS HWY	MARATHON	FL	33050
WD0011895	JESSIE C KNUDSEN	31480 AVE F	BIG PINE KEY	FL	33043
WD0012026	TAKE IT OR LEAVE IT INC	19 NORTH CHANNEL DR	KEY LARGO	FL	33037
WD0012103	DAVID A SANDS	19 NORTEH CHANNEL DR	KEY LARGO	FL	33037
WD0012317	W J GEORGE	113 VILABELLA DRIVE	ISLAMORADA	FL	33036
WD0012371	MEL E WALSH	125 AVE A	MARATHON	FL	33050
WD0012586	M/V J. T. INC	1220 19TH TERR	KEY WEST	FL	33040
WD0013723	ABAIT ABOVE	1480 OCEAN VIEW AVE	MARATHON	FL	33050
WD0014060	ISLAND SKIPPER FISHING INC	1980 FL3694KA	MARATHON	FL	33050
WD0014158	K M TOMITA INC	5230 U S HWY 1	KEY WEST	FL	33040
WD0014235	CRAMER'S CARIBBEAN CRITTERS	161 ADOBE CASA CT	TAVERNIER	FL	33070
WD0014365	EATON STREET RETAIL SEAFOOD MARKET LLC	930 C EATON ST	KEY WEST	FL	33040
WD0014417	ATLANTIS TRUCKING	7001 SHRIMP RD	STOCK ISLAND	FL	33041
WD0015266	FUN YET CHARTERS	293 BARRY AV	LITTLE TORCH KEY	FL	33042
WD0015432	ANDREW A SCHLIEPER	890 15TH ST	MARATHON	FL	33050
WD0015719	EDWARD A HOFFMAN	149 CARRIBEAN AVE	TAVERNIER	FL	33070
WD0015798	A & L SEAFOOD LLC	12 ARBUTUS DR	KEY WEST	FL	33040
WD0015988	KEYS SEA CRITTERS LLC	29555 LUCERCIA ST	BIG PINE KEY	FL	33043
WD0015995	ERNEST M PITON	601 PORTEEIA CIR	KEY LARGO	FL	33037
WD0016043	BRIAN A WALKER	21 N CHANNEL DR	KEY LARGO	FL	33037
WD0016049	KEITH A DANIELS	11740 3RD AVE OCEAN	MARATHON	FL	33050
WD0016198	NATURAL RETAIL GROUP	201 WILLIAM ST	KEY WEST	FL	33040
WD0016443	MATTHEW M DETTMANN	102 AZALEA ST	TAVERNIER	FL	33070
WD0017300	ALLISON WHITE	3390 GULFVIEW AVE	MARATHON	FL	33050
WD0017373	ROBERT L DELCORIO	140 PEACE AVE	TAVERNIER	FL	33070
WD0017426	EVIE'S SUBS INC	22836 OVERSEAS HIGHWAY	CUDJOE KEY	FL	33042
WD0017529	HYATT CORPORATION	601 FRONT STREET	KEY WEST	FL	33040
WD0017620	MICHAEL N OLSON	112 PEACE AVE	TAVERNIER	FL	33070
WD0017629	GEORGE W ROCKETT III	156 PALMETTO AVE	BIG PINE KEY	FL	33043
WD0017643	JOHN V DELAPORTE	219 W SECOND CT	KEY LARGO	FL	33037
RC0000945	KEY LARGO FISHERIES INC	1313 OCEAN BAY DR	KEY LARGO	FL	33037
RC0001101	MURRAY'S FOOD MART	PO BOX 420209	SUMMERLAND KEY	FL	33042
RC0001979	STOCK ISLAND LOBSTER CO	5539 MAOLNEY AVE	KEY WEST	FL	33040
RC0002368	KEYS FISHERIES INC	3390 GULFVIEW AVE	MARATHON	FL	33050
RC0004009	HERBIE'S BAR	6350 OVERSEAS HIGHWAY	MARATHON	FL	33050
RC0007651	GERALD E MAYETTE	1129 CALLE ENSENADA	MARATHON	FL	33050
RC0007957	CORAL REEF PARK CO INC	36850 OVERSEAS HWY	BIG PINE KEY	FL	33043
RC0008073	OUTDOOR RESORTS MARINA	P O BOX 816	LONG KEY	FL	33001
RC0009758	RUSTY ANCHOR FISHERIES	3RD AVE	KEY WEST	FL	33040

DEALER	ISSUEDTO	ADDRESS1	CITY	ST	ZIP
RC0013114	HOLIDAY ISLE BOAT RENTAL INC	84001 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0014181	BIG PINE KEY FISHING LODGE	MILE MARKER 33	BIG PINE KEY	FL	33043
RC0014247	OLD WOODEN BRIDGE FISHING CAMP	1791 BOGIE DR	BIG PINE KEY	FL	33043
RC0016507	THE FISH HOUSE KEY LARGO	102401 OVERSEAS HWY	KEY LARGO	FL	33037
RC0017525	ARMANDO PARRA JR	1107 KEY PLAZA STE 179	KEY WEST	FL	33040
RC0017766	SEA BOOTS CHARTERS INC	24386 OS HWY	SUMMERLAND KEY	FL	33042
RC0019768	MICHAEL S BARNES SR	1991 FORD TAG # RSW-84M	SUMMERLAND KEY	FL	33042
RC0019867	C & B DISTRIBUTORS	141 DICKIE WAY	TAVERNIER	FL	33070
RC0019925	KANDI G BALLARD	381 AVE D	SUMMERLAND KEY	FL	33042
RC0020089	DREAM ON INC	185 COCONUT AVE	MARATHON	FL	33050
RC0020750	TIMOTHY R DANIELS	3390 GULFVIEW AVE	MARATHON	FL	33050
RC0021368	ARTURO RAMIREZ	G 25 ROBERTA ST	KEY WEST	FL	33040
RC0023255	ROBERT M GRAY	125 D PEARY COURT	KEY WEST	FL	33040
RC0023701	NUTHENS PURFECT INC	119 PLAZA DEL SOL	ISLAMORADA	FL	33036
RC0024485	CAPTAINS THREE BAIT & FISHERIES INC	LOT 19 COCO PLUM BLVD	MARATHON	FL	33050
RC0024767	FAUSTO'S FOOD PALACE INC	1105 WHITE ST	KEY WEST	FL	33040
RC0024836	ROBERT C BROWN	28051 MILLS RD	SUMMERLAND KEY	FL	33042
RC0025252	FARELLA'S VILLAGE CAFE INC	5800 OVERSEAS HWY 13	MARATHON	FL	33050
RC0025372	JOHN L DUNN	BIG PINE KEY FISHING LODGE	BIG PINE KEY	FL	33043
RC0025642	TERRANCE L SPENCER	2-A 7TH AVE., STOCK ISLAND	KEY WEST	FL	33040
RC0025802	RICKY L LAFLAIR	111	KEY WEST	FL	33040
RC0027281	SUGARLOAF MARINA	17015 OVERSEAS HWY	SUGARLOAF SHORES	FL	33042
RC0027309	PHILLIP N GOULD	29058 ROSE DR	BIG PINE KEY	FL	33043
RC0027464	PAUL J GRALA	300 SEVILLA AVE.	KEY LARGO	FL	33037
RC0027647	RONNIE G BOGGESS	1874 107TH ST	MARATHON SHORES	FL	33052
RC0027879	CONCH REPUBLIC SEAFOOD COMPANY	631 GREENE ST	KEY WEST	FL	33040
RC0028569	DEBRA D HESS	2231 MIDDLE TORCH RD	SUMMERLAND KEY	FL	33042
RC0028636	BEN W DISDIER	19686 CANAL RD	SUMMERLAND KEY	FL	33042
RC0028662	DONALD A YOUNG	30250 US HWY I	BIG PINE KEY	FL	33043
RC0028768	DYNASTY MARINE ASSOCIATES INC	10602 7TH AVE GULF	MARATHON	FL	33050
RC0187341	CRITTERS OF THE KEYS INC	100636 OVERSEAS HWY	KEY LARGO	FL	33037
RC0187803	ORE SEAFOOD INC	1064 OCEANVIEW AVE	MARATHON	FL	33050
RC0187900	LYNN M PAPP	69501 OVERSEAS HWY	LONG KEY	FL	33001
RC0188019	R & C G ENTERPRISE LLC	24838 OVERSEAS HWY	SUMMERLAND KEY	FL	33042
RC0188102	GEORGE W NILES	# 8 PENNISALAR AVE	STOCK ISLAND	FL	33040
RC0188104	KEY LARGO BAIT&TACKLE	101741 Overseas Hwy	KEY LARGO	FL	33037
RC0188396	CHARLES E FRICKE JR	1 DIRK LANE	SUMMERLAND KEY	FL	33042
RC0188492	MARLIN FOOD STORES	88601 OVERSEAS HWY	TAVERNIER	FL	33070
RC0188525	BUTTONWOOD BAY CONDOMINIUM ASSN INC	96000 OVERSEAS HWY	KEY LARGO	FL	33037
RC0188526	PAPA JOE'S MARINA	74520 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0188533	SIEVERS MARINE INC	21 GARDEN COVE DR	KEY LARGO	FL	33037
RC0188560	RENT A BOAT INC	77520 O/S HWY	ISLAMORADA	FL	33036
RC0188564	GEORGE GANEM	106580 OVERSEAS HIGHWAY 13	KEY LARGO	FL	33037
RC0188608	SANDY COVE MARINE SALES	74540 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0188617	GEORGE GANEM	106580 OVERSEAS HIGHWAY 13	KEY LARGO	FL	33037
RC0188631	CALOOSA COVE MARINA INC	73501 OVERSEAS HWY	ISLAMORADA	FL	33036
RC0188700	GRASSY KEY DAIRY BAR INC	11711 OVERSEAS HWY	MARATHON	FL	33050
RC0188894	LOS CEDASOS INC	2 DRURY DR	KEY LARGO	FL	33037
RC0188965	ROLAND C MEYERS	1471 ST RD 4 A	SUMMERLAND KEY	FL	33042
RC0189162	HALF SHELL RAW BAR LLC	231 MARGARET ST	KEY WEST	FL	33040
RC0189179	KEY'S SPONGE CORP	502 PARK DR	KEY WEST	FL	33040
RC0189229	LAST DOLLAR INC	124 LOWE ST	TAVERNIER	FL	33070
RC0189392	FISH BUSTERZ FISHERIES LLC	6840 FRONT STREET	KEY WEST	FL	33040
RC0189489	JIMMY W TILLMAN JR	30065 LINDA ST	BIG PINE KEY	FL	33043
RC0190472	DOLPHIN MARINA ASSOCIATES LTD	28500 OVERSEAS HWY	LITTLE TORCH KEY	FL	33042

DEALER	ISSUEDTO	ADDRESS1	CITY	ST	ZIP
RC0191160	THE SHELL MAN INC	817 OCEANA AVE	KEY LARGO	FL	33037
RC0192422	REEF LIGHT TACKLE LLC	29147 CACTUS LN	BIG PINE KEY	FL	33043
RC0193507	BIG TIME BAIT & TACKLE INC	11499 O/S HWY	MARATHON	FL	33050
RC0193566	LOBSTER MONSTER CO	122 GULFWIND LANE	MARATHON	FL	33050
RC0193922	THE TACKLE BOX	1901 OVERSEAS HWY	MARATHON	FL	33050
RC0194004	SEASHIME LLC	3 N CONCH AVE	MARATHON	FL	33050
RC0194138	CHRISTIAN M BONIFACE	144 SEA LN	KEY WEST	FL	33040
RC0194312	ONE STOP SHOP TACKLE AND BAIT	99246 OVERSEAS HIGHWAY	KEY LARGO	FL	33037
RC0194540	KENT W TYLER	30194 OCEANSIDE DRIVE	BIG PINE KEY	FL	33043
RC0195685	NICHOLS SEAFOOD SUPPLIERS, INC	146 VENETIAN DRIVE	ISLAMORADA	FL	33036
RC0195772	WILLIAM N DOMINICAK	1402 MERELYN LANE	BIG PINE KEY	FL	33043
RC0195779	BLACKWATER SOUND MARINA	103950 OVERSEAS HIGHWAY	KEY LARGO	FL	33037
RC0196876	PELAGIC CORP	110 SHORE LN	SUGARLOAF	FL	33042
RC0196942	THE ISLAND FISH CO.	12648 OVERSEAS HWY	MARATHON	FL	33050

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 22	**TURKEY POINT**
Subject: 1300	**PUBLIC INFORMATION PROCEDURES**
Date: 12/20/2010	

1.0 PURPOSE

The purpose of this procedure is to establish a basis for public information activities during a Turkey Point emergency.

2.0 CONCEPT OF OPERATIONS

Monroe County, Miami-Dade, Florida Power & Light and State agencies cooperate in the development and issuance of public information in the event of an emergency at the Turkey Point Nuclear Power Plant. To facilitate this cooperation, each of these organizations has agreed to have a Public Information Officer present at the FP&L Emergency Operations Facility.

Adjacent to the EOC is the Emergency News Center (ENC). The purpose of the ENC is to provide the media with a single location to obtain accurate, up-to-date information from the EOF. Monroe County will deploy its PIO staff to the ENC during Alert or Site Area emergency stage.

Monroe County Public Information Officer is the Monroe County Sheriff's Office Director of Community Relations.

3.0 MONROE COUNTY PUBLIC INFORMATION PROCEDURE

3.1 The general duties of the Monroe County PIO located at the ENC include the collection, editing, and release of all appropriate information to the media via written press releases and orally during news conferences, and the issuance of Emergency Alert System (EAS) messages.

3.2 Provide coordination between Monroe County and other Public Information Officers present at the ENC.

3.3 Coordinate all press release with the EM Director stationed at the EOF for information correctness prior its release

3.4 Forward all press releases, EAS and any other relevant information to the PIO Liaison located at the Tavernier EOC for dissemination to the EOC responders

3.5 The Tavernier EOC PIO Liaison will provide all relevant information to the County spokesperson (i.e. County Mayor, Mayor-Pro-Tem, County Administrator) present at the EOC

3.6 If such persons are not present at the EOC, the PIO Liaison becomes the spokesperson and will address any and all media inquiries (if media is present at the EOC)

3.7 The Tavernier EOC PIO Liaison will coordinate all media information with the County PIO located at the ENC

3.8 The County PIO, located at the ENC, will disseminate all emergency information to the local media directly from the ENC

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 23	**TURKEY POINT**
Subject: 1400	**FLORIDA FISH AND WILDLIFE COMMISSION**
Date: 12/20/2010	

1.0 PURPOSE

This procedure is to be followed by the FWC personnel in response to an emergency event at the Turkey Point Nuclear Power Plant.

2.0 CONCEPT OF OPERATIONS

2.1 Assist the U.S. Coast Guard (USCG) in alerting boaters within the 10-mile Emergency Planning Zone (EPZ) that an emergency exists at the Plant
2.2 Assist the USCG in the implementation of protective actions applicable to marine interests within the EPZ
2.3 Assist the USCG in securing perimeter of the restricted marine areas within the EPZ and in controlling re-entry after the emergency is concluded
2.4 Track the radiological exposures of FWC employees and coordinate the implementation of available radiation protection strategies applicable to field responders
2.5 Assist in the transport of radiation sampling teams into the area of concern after the emergency is concluded

3.0 GENERAL

3.1 Upon notification from the Monroe County Emergency Management, FWC will dispatch a liaison to the Tavernier EOC
3.2 FWC will coordinate their response actions with, and receive directions from, the Tavernier EOC IC or his/her designee
3.3 FWC field activities will be controlled from the FWC Command Post. Field staff must have communications capability with their command element/s. The FWC liaison will communicate mission requirements to the CP, and they in turn will access County and State resources through their EOC liaison
3.4 The FWC liaison will communicate the IC protective action directives to the FWC CP, and they in turn will the protective actions implementations with the USCG and other marine law enforcement agencies
3.5 The FWC will assist the USCG in assuring the integrity of the marine perimeter of evacuated areas of the EPZ

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 24	**TURKEY POINT**
Subject: 1500	**MONROE COUNTY DEPARTMENT OF HEALTH**
Date: 12/08/2008	

1.0 Purpose

To establish MCDOH procedures for the issuance of KI (Potassium Iodide) to affected county residents in the event of a Radiological/Nuclear Incident.

2.0 Responsibilities

The Department of Health is the lead State agency for exposure pathway responses. The State Health Officer (SHO) is responsible for distribution of KI for public use when actual, or projected, thyroid doses exceed 10 REM to adults and 5 REM to children and pregnant or lactating women.

3.0 Procedures

In accordance with SOP 100, all potentially affected residents and visitors of Monroe County will be evacuated. When the Plant notifies the Bureau of Radiation Control (BRC) that they have declared an Alert, the BRC will notify the MCDOH, to stand by with KI kits.

Once the BRC has been notified by the Plant that a Site Area or General Emergency has occurred, the BRC will notify the MCDOH to prepare for KI distribution.

Once the radiation exposure threshold has been reached, the BRC will notify the MCDOH, via the EOC. Only those individuals, after monitoring and decon, who have been identified as exposed, will be issued KI. Should the dispersal of KI to only those individuals identified as exposed create a public safety hazard, the BRC and the MCDOH will make a joint decision on further KI distribution.

Public will receive notification of KI availability via emergency broadcast announcements, should the situation call for distribution of KI to public. The public will also be notified of the dispensing site for KI and the Reception Center location.

The MCDOH will establish a distribution kiosk at the entrance to the Reception Center. Standard issue will be two (2) 130-milligram tablets for each person over the age of one (1) year, one of which will be taken immediately, and the other taken 24-hours later. Children under one (1) year and infants will take ½ tablet, whole or crushed, in food or liquid.

Recipients of KI must sign a waiver/consent form indicating they understand the benefits and hazards of KI. Parents/guardians will sign the form for minors under the age of 18.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 24	**TURKEY POINT**
Subject: 1500	**MONROE COUNTY DEPARTMENT OF HEALTH**
Date: 12/08/2008	

SAMPLE FORM

Potassium Iodide Consent Form

HOW PATASSIUM IODIE (KI) WORKS

In a radiation emergency iodine may be released into the air. Inhalation is the primary method of uptake, although ingestion may be possible. Radioactive iodine may enter the thyroid gland and damage it. When taken shortly before or shortly after exposure to radioactive iodine, potassium iodide will saturate your thyroid gland, with stable iodine reducing chances of thyroid damage.

HOW MUCH SHOULD YOU TAKE?

You will be given two tablets. If you are an adult, take one immediately. The second tablet should be taken a day later. Likewise for children one year and older. For children less than one year old or infants, give them ½ tablet now and ½ tablet a day later. Discard the remaining tablet. Infants doses may be crushed and added to milk, formula or water.

SIDE EFFECTS

Usually, side effects of potassium iodide happen when people take high doses for a long time. You should be careful not to take more the an the recommended dose or take it for longer than you are told. Side effects are unlikely because of the low dose and the short time you will be taking the drug.

Possible side effects include skin rashes, swelling of the salivary glands, and "iodism" (metallic taste, burning mouth and throat, sore teeth and gums, symptoms of a head cold, and sometimes stomach upset and diarrhea).

A few people have an allergic reaction with more serious problems. These could be fever and joint pains, or swelling of parts of the face and body, and at times severe shortness of breath requiring immediate medical attention..

Taking potassium iodide may rarely cause over-activity of the thyroid, under-activity of the thyroid gland, or enlargement of the thyroid gland (goiter).

WHAT TO DO IF SIDE EFFECTS OCCUR

If the side effects are severe or if you have an allergic reaction, stop taking potassium iodide. Then if possible, call a doctor or public health authority for instructions.

WHO SHOULD NOT TAKE POTASSIUM IODIDE

The only people who should not take potassium iodide are people who know they are allergic to the iodidne. You may take potassium iodide even if you are taking medicines for a thyroid problem (for example, a thyroid hormone or anti-thyroid drug). Pregnant and nursing women and babies may also take this drug.

HEALTH PERSONNEL: KEEP THIS PART FOR YOUR RECORDS

I have read the information on this form about potassium iodide. I have had a chance to ask questions, and they were answered to my satisfaction. I believe I understand the benefits and risks of potassium iodide and request that it be given to me or to the person named below for whom I am authorized to make this request.

_____SIGNATURE OF PERSON RECEIVING DRUG

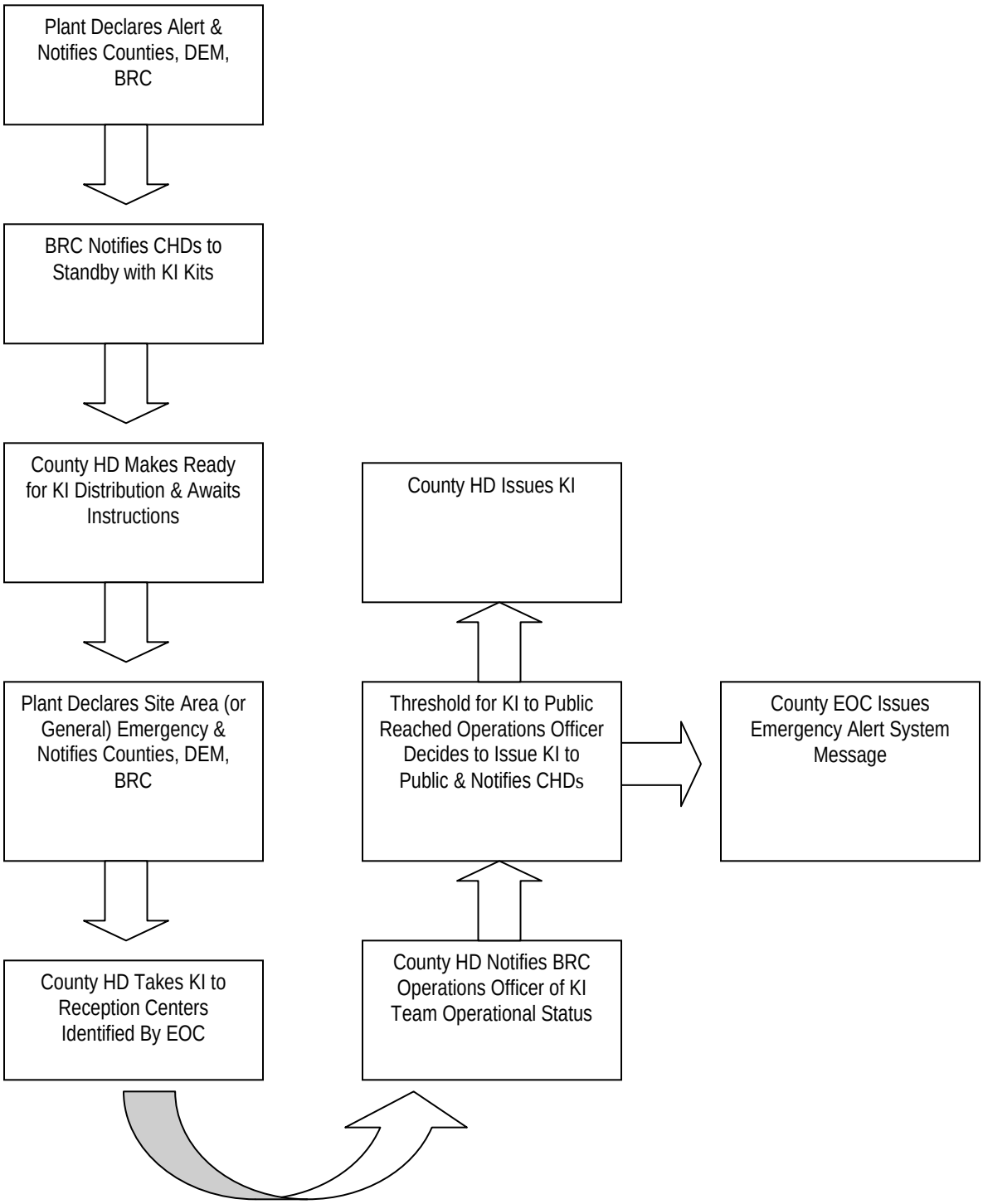
Name:_____D.O.B._____

Address:_____

City/State/Zip:_____

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 24	**TURKEY POINT**
Subject: 1500	**MONROE COUNTY DEPARTMENT OF HEALTH**
Date: 12/08/2008	

Public Potassium Iodide (KI) Notification Tree



Volume:	**STANDARD OPERATING PROCEDURES**
Section: 25	**TURKEY POINT**
Subject: 1600	**AMERICAN RED CROSS**
Date: 12/20/2010	

1.0 PURPOSE:

To establish guidance procedures for the American Red Cross (ARC) for use during a response to an emergency at the Turkey Point Nuclear Power Plant.

2.0 GENERAL:

2.1 Upon notification from the Miami-Dade County Office of Emergency Management & Homeland Security, the ARC will dispatch a liaison to the Emergency Operations Center (EOC) located at 151 Marine Ave., Tavernier.

2.2 The ARC will coordinate their response actions with the Monroe County Emergency Management IC or his/her authorized representative

2.3 In the event of an accident at the Turkey Point Nuclear Plant, the American Red Cross (ARC) is responsible for:

- Coordinating and managing the operation of evacuation centers and mass care services.
- Managing family reunification and health and welfare inquiries.
- Working with Florida Power and Light and the IC to determine the feasibility of relocating evacuees to area hotels and motels in the event victims must remain outside the evacuated area for extended periods of time

2.4 ARC field activities will be controlled from the ARC Headquarters (HQ) and/or the TAV EOC. Field staff must have communications capability with their command element(s). The ARC EOC Liaison will communicate mission requirements to the ARC HQ, and they in turn access County and State resources through communications with their EOC Liaison.

2.5 ARC personnel will not work within contaminated areas nor will they work with evacuees who have not undergone monitoring and decontamination by the Monroe Fire Personnel

3.0 PROCEDURE:

EVACUATION CENTERS

3.1 Upon notification by the EOC, the ARC will deploy a shelter team to the Emergency Reception Center at Key Largo School, which will be used as the temporary shelter for evacuees until such time as additional facilities are ready to receive evacuees (if situation calls for such additional sheltering sites).

3.2 All evacuees will be processed by the MC Fire personnel prior to reporting to the temporary shelter at KL School. Processing consists of monitoring and decontamination - as necessary.

- The opening of additional public schools as overflow evacuation centers will be coordinated by the MCEM, MC TAV EOC IC, ARC, MC Shelter Coordinator and the Monroe County School Board.

- The location of evacuation centers will only be available at the ERC. Evacuees will be provided with the location of the available shelter(s) as they register at the ERC. A copy of the registration form will remain with the evacuee. It will be submitted at the evacuation center so that ARC staff knows the person has undergone radiological processing at the ERC.

3.3 FAMILY REUNIFICATION & HEALTH AND WELFARE INQUIRIES

- A nuclear power plant accident will undoubtedly create a large amount of chaos resulting in a large number of families that become separated as they evacuate from different locations.

- The ARC will register all evacuees arriving at their evacuation centers. Included in the data collected will be the destination of the person(s). The data will be forwarded to headquarters for compilation and database management. Inquiries and/or requests for reunification will be resolved through the use of this system.

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 26	**TURKEY POINT**
Subject: 1700	**ALERT AND NOTIFICATION**
Date: 12/20/2010	

1.01 PURPOSE:

To establish an incident practice for the receipt and action necessary in response to an alert & notification that abnormal plant conditions are present at the Turkey Point nuclear plant.

1.02 GENERAL:

Alert & notification describes the process of contacting and advising governmental response organizations that a *classifiable* incident has occurred or is occurring at the Turkey Point nuclear power plant.

Regulatory requirements dictate that nuclear power plants possess and routinely demonstrate the capability to classify abnormal plant conditions into one of four approved "Emergency Classification Levels" within a timely manner (preferably within fifteen (15) minutes of identifying an incident).

Nuclear power plants must also possess and routinely demonstrate the capability to alert & notify governmental response organizations within fifteen (15) minutes of classifying an abnormal plant condition.

Turkey Point nuclear power plant possesses three (3) separate mechanisms for alerting & notifying Monroe County that a classifiable incident is occurring at the Plant. The primary and secondary mechanisms are distinct and dedicated communications circuits identified as the Hot Ring Down and the Emergency Satellite Communications system (ESATCOM), respectively. The third mechanism is standard landline telephone communications.

Turkey Point nuclear power plant utilizes a standardized form identified as the "State of Florida Notification Form for Nuclear Power Plants" to report classifiable incidents to governmental response organizations. All the information necessary to determine an offsite response is on this form.

1.03 PROCEDURE:

A reactor operator initiates an alert & notification sequence with the identification of an abnormal plant condition.

Reactor operators will classify abnormal conditions utilizing Nuclear Regulatory Commission (NRC) approved procedures and the "Emergency Classification Table."

Utilizing one of the three communications systems, the reactor operator will alert & notify governmental response organizations within fifteen (15) minutes of classifying an abnormal incident at the Plant.

The County Warning Point will receive the notification and will complete the "State of Florida Notification Form for Nuclear Power Plants". The operator will dictate from one (1) to fifteen (15) until the form is completed, if you have any questions please wait until the end of the transmission. MCEM has a communication equipment (Hot Ring Down) as well and is able to receive the emergency notification as well, although this responsibility fall under the CWP jurisdiction.

The County Warning Point (CWP) will assume, solely, this responsibility after hours, on holidays and weekends, upon verifying that all information was copied correctly onto the form, CWP will notify the MCEM REP Administrator and provide a full briefing of the emergency.

The MCEM Director, the REP Administrator and the MC Public Information Officer will conduct an incident assessment in accordance with the county's "Turkey Point Nuclear Plant Plan" and will initiate the applicable response and notifications.

County emergency response organizations will receive mission assignments from the Emergency Operation Center (EOC) and will mobilize resources to accomplish missions in accordance with the "Turkey Point Nuclear Plant Plan."

Additional communication and coordination with response organizations and the Plant will drive subsequent County response and the resulting organizational mission assignments.

The EOC and the MC PIO located (if necessary at the ENC, otherwise at the TAV EOC) will function as the communication and coordination hub/s during responses to emergency conditions at the Turkey Point Nuclear Plant.

No information will be released to the public, unless authorized by the OEM/HS Dir. or his designee.

SAMPLE FORM

FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

Online Verification: ☐ STATE ☐ MIAMI-DADE COUNTY ☐ MONROE COUNTY

*1. A. ☐ This Is A Drill B. ☐ This Is An Actual Event

2. A. Date ___/___/_____ *B. Contact Time:_____ C. Reported by: Name_____

D. Message Number:_____ E. Reported From: ☐ Control Room ☐ TSC ☐ EOF

F. ☐ Initial/New Classification OR ☐ Update Notification

*3. SITE A. ☐ ~~Crystal River UNIT 3~~ B. ☐ ~~St. Lucie UNIT 1~~ C. ☐ ~~St. Lucie UNIT 2~~

D. ☐ Turkey Point UNIT 3 E. ☐ Turkey Point UNIT 4

*4. EMERGENCY CLASSIFICATION: A. ☐ Notification Of Unusual Event B. ☐ Alert

C. ☐ Site Area Emergency D. ☐ General Emergency

*5. A. ☐ EMERGENCY DECLARATION: B. ☐ EMERGENCY TERMINATION Date: ___/___/___ Time:_____

*6. REASON FOR EMERGENCY DECLARATION:** A. ☐ EAL Number:_____ OR B. ☐ Description_____

7. ADDITIONAL INFORMATION OR UPDATE: A. ☐ None OR B. ☐ Description_____

*8. WEATHER DATA: A. Wind direction from _____degrees. B. Downwind Sectors Affected _____

*9. RELEASE STATUS: A. ☐ None (Go to Item 11) B. ☐ In Progress C. ☐ Has occurred, but stopped (go to Item 11)

10. RELEASE SIGNIFICANCE CATEGORY (at the Site Boundary)

A. ☐ Under evaluation B. ☐ Release within Normal Operating Limits (Tech Specs)

C. ☐ Non-Significant (Fraction of PAG Range) D. ☐ PAG Range (Protective Actions required)

E. ☐ Liquid release (no actions required)

*11. UTILITY RECOMMENDED PROTECTIVE ACTIONS FOR THE PUBLIC:

A. ☐ No recommended actions at this time. B. ☐ The utility recommends the following protective actions:

EVACUATE ZONES: NOT APPLICABLE OR

SHELTER ZONES: NOT APPLICABLE

Miles	Evacuate Sectors	Shelter Sectors	No Action Sectors
0 - 2			
2 - 5			
5 - 10			

AND consider issuance of potassium iodide (KI)

If form is completed in the Control Room, go to item 15. If completed in the TSC or EOF, continue with item 12.

12. PLANT CONDITIONS:

A. Reactor Shutdown? ☐ YES ☐ NO B. Core Adequately Cooled? ☐ YES ☐ NO

C. Containment Intact? ☐ YES ☐ NO D. Core Condition: ☐ Stable ☐ Degrading

13. WEATHER DATA: A. Wind Speed_____mph B. Stability Class_____

14. ADDITIONAL RELEASE INFORMATION: A. ☐ Not applicable (Go to Item 15)

Distance	Projected Thyroid Dose (CDE) for 1 Hour	Projected Total Dose (TEDE) for 1 Hour
1 Mile (Site Boundary)	B._____mrem	C._____mrem
2 Miles	D._____mrem	E._____mrem
5 Miles	F._____mrem	G._____mrem
10 Miles	H._____mrem	I._____mrem

15. (Do not read to State) EC or RM Approval Signature_____Date___/___/___ Time_____

MESSAGE RECEIVED BY: Name_____Date___/___/___ Time_____

** IF EMERGENCY CLASS ESCALATION IS KNOWN TO BE NECESSARY AND A NEW NOTIFICATION FORM WILL BE TRANSMITTED WITHIN 15 MINUTES, THEN YOU MAY GO TO EC/RM APPROVAL SIGNATURE LINE.

* ITEMS ARE EVALUATED FOR NRC PERFORMANCE INDICATORS (PIs)

F-439/1:2 Rev 9 (11/09/09)

Volume:	**STANDARD OPERATING PROCEDURES**
Section: 27	**TURKEY POINT**
Subject: 1800	**PROTECTIVE ACTION DECISIONS**
Date: 12.10.2010	*REVISED*

1.0 PURPOSE:

To establish a procedure for guiding decision makers in interpreting protective action recommendations for emergencies at the Turkey Point Nuclear Plant.

2.0 GENERAL:

2.1 The Monroe County Administrator or his/her designee (Director of the Monroe County Emergency Management) is responsible for selecting and implementing protective actions to preserve the health and safety of the residents of and visitors to Monroe County.

2.2 In a nuclear power plant accident, the hazard to the general public is exposure to radiation. Exposure can occur as a result of radiation emissions from the passing radioactive plume, or it can result from radiation emission from contaminants deposited by the plume as it passes overhead.

2.3 Federal guidance suggests that even a "major" accident at a nuclear plant will not pose a severe radiological threat to the public. In fact, current planning requirements seem to indicate that a worst-case scenario will result in exposures to the general public of only a few roentgens.

2.4 This procedure assumes that Plant emergencies will develop gradually, thereby giving response agencies sufficient opportunity to activate response facilities such as Monroe County Emergency Operations Center (EOC)/TAV EOC and Florida Power & Light (FPL) Emergency Operations Facility (EOF).

2.5 The Environmental Protection Agency has written guidance on protective actions and the radiation doses for which such actions would be necessary. That guidance has been incorporated into FPL procedures and Florida Bureau of Radiation Control (BRC) uses them in recommending protective actions to Monroe County decision-makers.

2.6 Representatives from FPL will provide protective action recommendations (PARs) in any instance where the measured or projected exposure to the public intersects the exposure limits established by the Environmental Protection Agency. These PARs are reviewed by the Bureau of Radiation Control (BRC). Monroe County decision-makers are not bound by FPL's recommendation.

2.7 The EOC will coordinate the protective action selection and implementation parameters with Miami-Dade County Emergency Management and the Florida Division of Emergency Management (FDEM). The group must demonstrate unity in the presentation of their decisions to the public and the media. The "message" must be consistent and free of contradictions.

2.8 Protective actions recommended by FPL will be in the form of evacuations, shelter-in-place recommendations or a combination of evacuation and shelter-in-place recommendations. Recommendations will include the size of the area that the recommendation applies to. The area description will be in the form of "miles down wind" and "affected sectors".

2.9 The EOC designates the locations to be evacuated in geographic areas. FPL makes its protective action recommendations to the County using sectors.

2.10 The decision diagram contained in this procedure provides a cross-reference for protective action decisions with existing EAS Messages that provide the public with the emergency information needed to initiate the desired action. Copies of the EAS messages are maintained in a binder labeled "Turkey Point EAS". There are 5 copies of the binder, with the following distribution: 1)Planning Section Chief's Turkey Point Activation Procedure Book 2)OEM/HS Director's Turkey Point Activation Procedure Book, 3)Radiological Emergency Preparedness Coordinator, 4)EOC PIO room 169, 5)FDEM.

2.11 EAS Messages have been created to provide appropriate protective actions for all affected areas in the ten (10) mile EPZ. Simultaneously, it places a premium on the ability to match a protective action message to a scenario and get that message to the public with no undue delay.

3.0 DECISION-MAKING PROCESS

3.1 FPL makes "Protective Action Recommendations" (PARs) to the EOC and MEOC at EOF briefings.

3.2 County Decision-makers at the EOF will consider PARs and make use of FPL technical advisors and Bureau of Radiation Control specialists to validate PARs and identify the appropriate EAS message(s). The EOCs will be conference called into the discussion following the EAS message selection to determine their county's ability to provide the response infrastructure needed to support the recommended "Protective Action Decision" (PAD).

3.3 Any variation between the EAS message and the previously selected protective action must be discussed among all the decision-makers prior to the message being released. The previously agreed upon decision may require modification in order to bring it into compliance with an existing EAS message.

3.4 Once all parties are in agreement about the decision, the EAS Message can be transmitted to the media outlets.

4.0 EMERGENCY ALERT SYSTEM (EAS) MESSAGE SELECTION

4.1 Identify the current emergency classification level. This information is readily available from FPL.

4.2 Refer to the Decision Chart at the end of this document and locate the emergency classification level on the first level of the diagram. Follow the solid line to locate the first part of the EAS Message. The choices will be EAS 1, EAS 2, or EAS 3. Every subsequent EAS Message must be preceded by one of these messages.

4.3 The information on EAS 1 is also available in press release form. The press release version should be considered when no PAD is to accompany it.

4.4 Proceed working down the chart answering the questions posed. The chart will direct you to the correct combination of EAS messages needed to describe the protective action measures that the public should take.

4.5 The decision to declare a local state of emergency is somewhat subjective. Generally, it is not required until the declaration of a Site-Area Emergency at the Plant, but the IC may choose to enact a local state of emergency at any point in order to "free up" County resources and initiate emergency powers.

4.6 Many PARS include a combination shelter-in-place and an evacuation component. When this is the case, base your EAS message selection on the evacuation component of the PAR.

4.7 EAS ten (10) was developed to address the public protective actions that may be required and have not been previously established.

4.8 EAS eighteen (18) references the distribution of Potassium Iodide at reception centers when determined by the Department of Health. This EAS is not reflected on the "Decision Making Chart" since the decision to issue it is being made by a separate decision making organization.

5.0 EAS TRANSMISSION AND PUBLIC NOTIFICATION

5.1 Having conferred with the EOC and identified the applicable EAS Message via conference call, the IC will request the time of siren activation and EAS message transmission from the Monroe County PIO.

5.2 The Monroe County PIO will be expected to have the EAS message ready for transmission in an expedient manner. The PIO will:

- Confirm the number of the selected EAS Message.
- Notify the IC and decision makers of the time of siren activation and message transmission.

5.3 Immediately following the conference call the PIO will:

- Complete the appropriate EAS message.
- Have the EAS message(s) approved prior to dissemination

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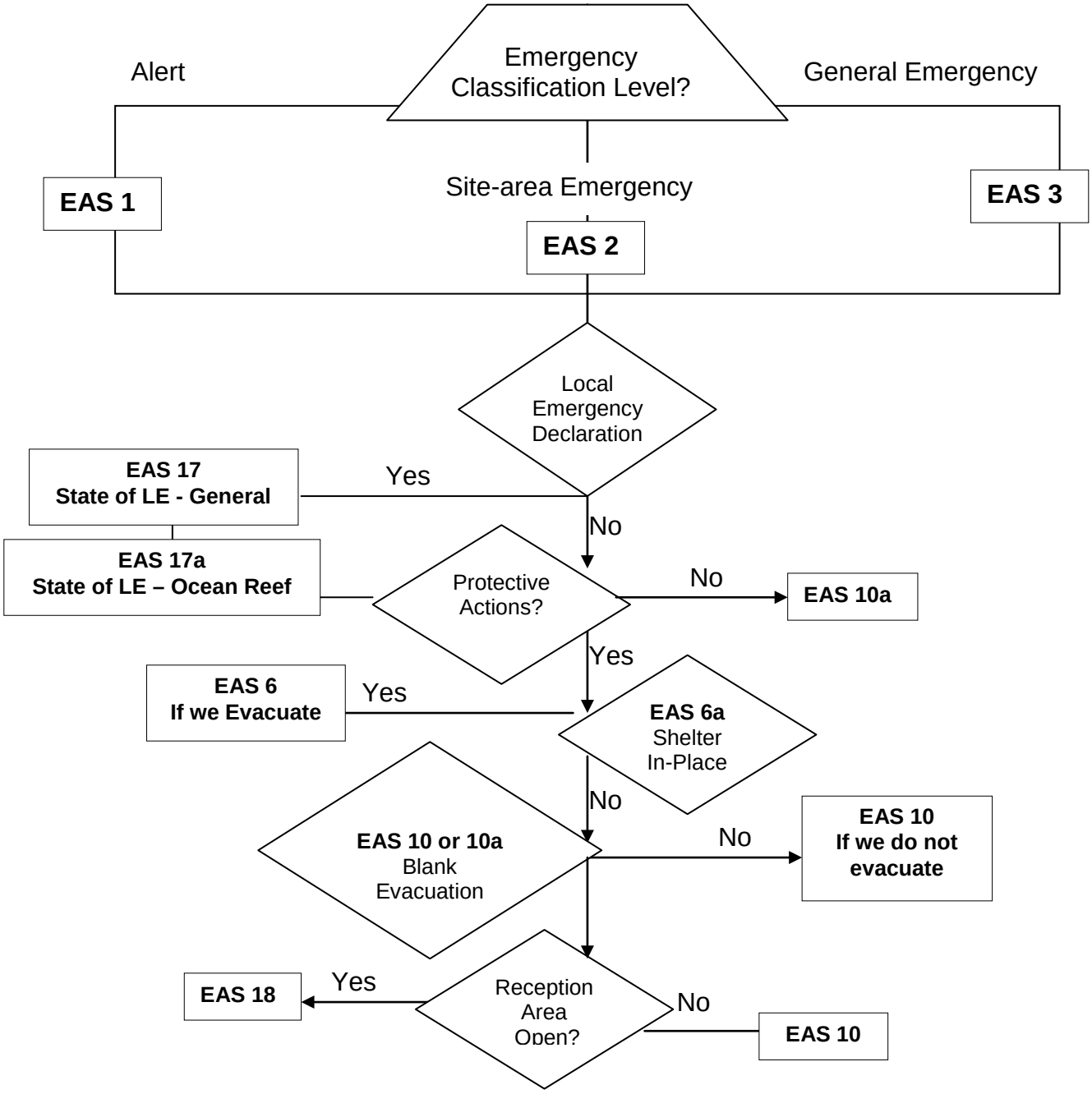
Subject: 1800	**PROTECTIVE ACTION DECISIONS**
Date: 12.10.2010	*REVISED*



MONROE COUNTY EMERGENCY MANAGEMENT EAS MESSAGE MATRIX

Miami-Dade EAS #	Monroe County EAS #
1 Alert Declared	1 Alert Declared
2 Site Area Emergency	2 Site Area Emergency
3 General Emergency	3 General Emergency
4 evacuate	10a No PA's
5 evacuate	10a No PA's
6 EVACUATE EPZ	6 If we are evacuating 6a If Sheltering-in-place 10 If we are not.
7 evacuate 8 evacuate 9 evacuate	10 No PA's 10a No PA's 10 No PA's
10 Blank Evacuation	6 if we evacuate 10/10a based on boats if we are not
11 evacuate 12 evacuate 13 evacuate 14 evacuate 15 evacuate 16 evacuate	10a No PA's 10a No PA's 10a No PA's 10a No PA's 10a No PA's 10a No PA's
17 State Of Local EMER. 17a State of LE Ocean Reef	17 State of LE (General)
18 Public KI	18 If Reception Center OPEN 10 if not

MONROE COUNTY PROTECTION ACTION GUIDE
TURKEY POINT NUCLEAR POWER PLANT EMERGENCIES
EMERGENCY ALERT SYSTEM MESSAGES (EAS)

EAS1	TURKEY POINT DECLARES ALERT. MONROE COUNTY ACTIVATES THE INFORMATION HOTLINE
EAS2	TURKEY POINT UNDER SITE AREA EMERGENCY -- NOTIFICATION
EAS3	TURKEY POINT UNDER GENERAL EMERGENCY
EAS6	ORDERED EVACUATION FOR ZONE 10 INCLUDING OCEAN REEF
EAS6A	SHELTERING IN PLACE WITHIN THE 10 MILE RADIUS OF TURKEY POINT
EAS10	NO PUBLIC EVACUATION; BOAT TRAFFIC DIVERSION WITHIN THE 10 MILE RADIUS OF TURKEY POINT
EAS10A	BOAT TRAFFIC DIVERSION WITHIN THE 5 MILE RADIUS OF TURKEY POINT
EAS11	UNSCRIPTED
EAS17	STATE OF LOCAL EMERGENCY – GENERAL
EAS17A	STATE OF LOCAL EMERGENCY – OCEAN REEF
EAS18	ACTIVATION OF RECEPTION AREA (KI DISTRIBUTION)

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Subject: 1900	AIR TRAFFIC CONTROL PROCEDURE
Date: 4/10/2013	

Federal Aviation Administration (FAA)

1.1 Monroe County Emergency Management Director coordinates with Miami-Dade County at the EOF.

1.2 IC or designee will contact FAA Regional Operation Center (ROC) to report incident: Atlanta (404) 305-5180

1.3 Monroe County Emergency Management Director or designee contacts IC at the REP EOC to coordinate restricted access through the FAA Regional Operation Center(ROC)

FAA ROC will issue:

(NOTAM) Notice to Airmen

The NOTAM is a notice or advisory distributed by means of telecommunication containing information concerning the establishment, conditions or change in any aeronautical facility, service, proce3dure or hazard, the timely knowledge of which is essential to personnel and systems concerned with flight operations.

(TFR) Tentative Flight Restriction

Runway Closures
Limitation of Aero Dome
Changes affecting airport arrival and departure procedures

1.4 Restriction and notice will remain in place until Monroe County Director or designee contacts the REP EOC to end restricted access protocol.

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Section: 29	**TURKEY POINT**
Subject: 2000	**RETURN / RE-ENTRY / RELOCATION**
Date: 4/10/2013	

Return / Re-entry / Relocation

This procedure identifies actions to be taken following the termination of radioactive releases from a nuclear power plant accident. The decision to implement this procedure is to be determined by the Monroe County Director of Emergency Management or Designee.

Definitions:

1. Access Control Point (ACP) - Locations through which authorized access to and egress from exclusionary and restricted zones can be accomplished.
2. Evacuated Residents - Relocated adults with proof of residence who wish to retrieve personal property.
3. Exclusionary Zone - That region in which the full extent of radiological contamination has been verified. (In the early stages of the incident, this may include the entire plume EPZ.) Emergency workers will be the only personnel authorized access to exclusionary zones.
4. Recovery - The generic term used for the overall process of decontamination and/or restoration of vital services and infrastructure to allow for resumption of normal activity in areas in which protective actions have been implemented.
5. Re-entry -The temporary return of emergency workers and others authorized by MCEM for a prescribed period into the exclusionary or restricted zones.
6. Relocation - A protective action implemented during the recovery whereby evacuees or sheltered individuals residing in areas exceeding PAGs are removed and/or excluded from return to restricted areas until directed by the state and are accommodated at a new location for an extended period until directed by MCEM.
7. Restricted Zone - That region within the plume deposition area where whole body exposure to the general public from ground deposition and/or inhalation of re-suspended radiocontaminants is expected to meet or exceed plume PAGs up to four days after termination of the incident or exceed PAGs for continuous occupancy. It may also include a buffer zone to prevent radiocontaminants from being deposited in unrestricted areas.
8. Return - The permanent return of citizens, businesses, governments, and institutions to their dwellings, places of employment, or operating sites after restricted areas have been determined to be safe for occupancy by the State.

1.0 Return

1.1 Determine from the licensee and FRMAC(Federal Radiological Monitoring Assessment Center) that the plant is in a stable condition, radioactive releases have terminated, and any further release is unlikely.

1.2 State of Florida Bureau of Radiation Control (FL BRC) along with the support of FRMAC determine no further protective actions are required.

1.3 State of Florida Bureau of Radiation Control (FL BRC) along with the support of FRMAC determine no further protective actions are required.

1. Law Enforcement resources available must be sufficient to limit access to restricted areas.
2. Access Control Points (ACP) have been established at all exclusionary, restrictedzones.
3. Returning residents must have access to US1.
4. All utilities must be restored.
5. All return residents will be processed accordingly at the ERC by the American Red Cross and the Monroe County Health Department.
6. All relevant information regarding residents return, re-entry, and relocation will be disseminated by the MC Public Information Officer; Emergency Information Hotline at 800-955-5504; MC TV Ch 76; all local and mainland media outlets, as well as the ERC Personnel.

2.0 Re-Entry

2.1 Determine from the licensee and FRMAC(Federal Radiological Monitoring Assessment Center) that the plant is in a stable condition, radioactive releases have terminated, and any further release isunlikely.

2.2 State of Florida Bureau of Radiation Control (FL BRC) along with support State and Federal Agency determine if the data/sampling collected is sufficient to fully assess and drive Re-Entry decisions.

2.3 Permitting residents/business's to temporary access restricted areas (Re-Entry) will be based on need and resources available to safely carry out the thoserequests.

2.4 All residents seeking to enter a restricted area will be denied access to the restricted area and told to go to an ERC and register to obtain a Fire Rescue escort.

1. Access / Security Resources available must be sufficient to limit access to affected areas. Access Control Points (ACP) have been established at all exclusionary and restrictedzones.
2. Survey/ Decontamination resources will be readily available.
3. All evacuees seeking Re-Entry willrequire:
   a. Fire Rescue escort
   b. TLD and Dosimetry
   c. Safety Briefing at ERC.
4. All relevant information regarding residents return, re-entry, and relocation will be disseminated by the MC Public Information Officer; Emergency Information Hotline at 800-955-5504; MC TV Ch 76; all local and mainland media outlets, as well as the ERC Personnel

3.0 Relocation

3.1 Determine from the licensee and FRMAC(Federal Radiological Monitoring Assessment Center) that the plant is in a stable condition, radioactive releases have terminated, and any further release isunlikely.

3.2 State of Florida Bureau of Radiation Control (FL BRC) along with the support of State and FRMAC determine if the data/sampling collected is sufficient to fully assess and drive relocationdecisions.

3.3 BRC and EPA will determine whether decontamination is possible.

3.4 American Red Cross, Department of Health, and American Nuclear Insurers will provide necessary assistance to help expedite any available aid at the ERC

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Section: 30	**TURKEY POINT**
Subject: 2100	**HOSTILE ACTION BASED**
Date: 11/05/2014	

1.0 Purpose

1.1 HOSTILE ACTION BASED INCIDENT RESPONSE(HAB)

1.1.1 For purposes of this Appendix, a Hostile Action Based incident is any intentional act toward a nuclear power plant or its personnel that includes the use of violent force to destroy equipment, take hostages, and/or intimidate the licensee to achieve that end. This includes attack by air, land, or water using guns, projectiles, vehicles, or other devices used to deliver destructiveforce.

2.0 Responsibility

2.1 ALERT & NOTIFICATION

2.1.1 The initial classification and response level would be determined by Control Room/Technical Support Center at the Turkey Point Nuclear Power Plant. If the hostile action incident results in the plant declaring an emergency, the Hot-Ring-Down-Telephone is the primary system used by the Control Room to notify Local, State, and Federal responseorganizations.

2.1.2 Organizations notified by the Control Room include Miami-Dade EOC, Monroe County Sheriff (County Warning Point), State Watch Office, and the Nuclear Regulatory Commission. These organizations would conduct additional notifications in accordance with their corresponding procedures.

2.1.3 Coordination with the On-Scene Incident Commander may call for Off-Site Incident Command to coordinate press releases and stage Off-Siteresponse.

2.2 SENSITIVE INFORMATION

2.2.1 Local, State, and Federal law enforcement agencies routinely employ secure communications to share sensitive information at both a strategic and tactical level. Systems that enable this type of information sharing include secure servers and networks, encrypted telephony, and others. Plant security maintains systems that can integrate and communicate with off-site organizations. These same secure systems can also be used to share sensitive information between the plant and law enforcement agencies.

2.2.2 Under certain circumstances, trained law enforcement Public Information Officers may release elements of sensitive data for public safetymessaging.

3.0 Procedures

3.1 INITIAL RESPONSE

3.1.1 The Turkey Point Nuclear Power Plant site rests in Miami-Dade County. Therefore, Miami-Dade County has jurisdiction at the plant and is responsible for dispatching response resources. Based on the scale of the event, the traffic control response can involve Monroe County Sheriff or Florida Highway Patrol in Monroe. In addition, for safety and to secure the impacted area, residents of Monroe County may be instructed to shelter in place (most likely Ocean Reef, involving Ocean Reef Public Safety). Monroe County Sheriff may also provide mutual aid on site if requested in the event of an extended incident at the plant.

3.1.2 HAB incidents may result in Monroe County Emergency Management activating the (REP) Radiological Emergency Preparedness (EOC) Emergency Operations Center in Tavernier. From the Monroe County REP EOC, tasking of public safety agencies with missions will occur as needed in areas outside of the HAB On-Scene Operations. These mission assignments would progress from the EOC Incident Commander and Essential Support Functions via EOCLiaisons.

3.2 PROTECTIVE MEASURES

3.2.1 Public protective measures for Off-Site areas are determined at the EOF in coordination with the EOC (see Figure B). On-Scene protective measure are determined at the On-Scene Unified Command Post (UCP) and coordinated with the EOC. In some cases the hostile action threat may have a direct bearing on county-wide protective action decision making and require close coordination between On-Scene Command and the EOC. During incident Action Planning meetings, EOC ESF-16 provides input regarding On-Scene Operations and priorities related to or with the potential to impact public protective action decisions outside the area of On-Scene Operations.

3.2.2 Radiation safety procedures, including radiation monitoring, dose tracking, and donning of personal protective equipment may become necessary in the area of HAB On-Scene Operations. Response priorities shall be adjusted as appropriate to maximize responder safety under the existing conditions and notifications made to the EOC. Radiation detection equipment (e.g., dosimeters) and supplies (e.g., KI) to augment initial response assets may be requested from the EOC via the chain of command. Distribution and utilization of supplies shall be in accordance with existing procedures and operational needs. Logistics section of the On-Scene Unified Command is responsible for coordinating the maintenance and replenishment of equipment and supplies at the EOC.

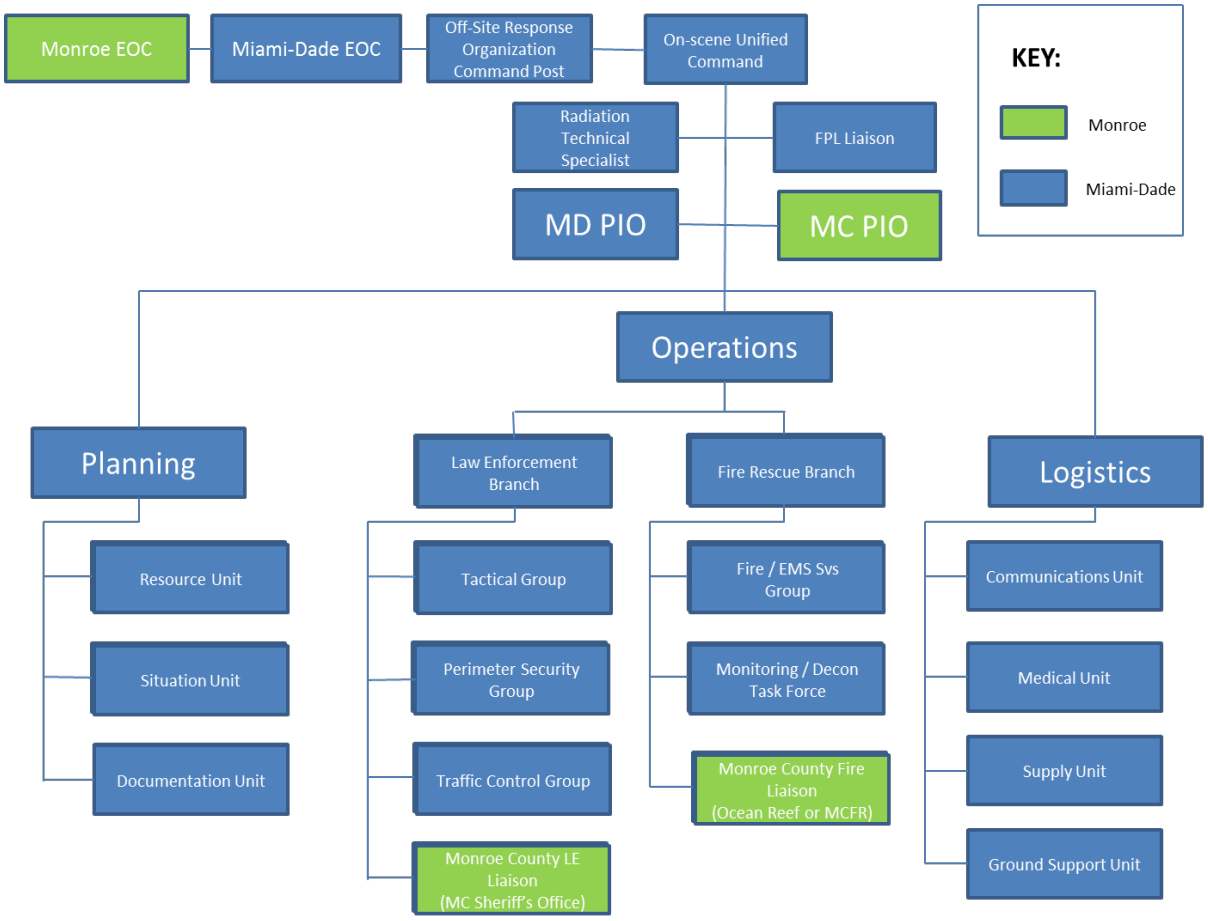
3.2.3 Although Monroe County responders receive radiological response training, few use those skills day-to-day. The MC REP Radiological Safety Officer may be requested to provide JIT (Just in Time) Training on radiation protection strategies and radiation safety equipment to responders deployed to the affected areas. The unified command Safety Officer shall work with supervisors to identify staff in need of refresher/ JIT Training delivery and follow up documentation andnotifications.

3.2.4 Public Information Officer (PIO) at the ICP will work closely with the EOC PIO and Emergency News Center (ENC) Lead PIOs to coordinate public information needs of the incident.

3.3 ON-SCENE UNIFIED COMMAND

3.3.1 The purpose of the On-Scene Unified Command (see Figures A & B) is to manage the tactics associated with an incident at the Turkey Point Nuclear Plant. Command functions will be will be managed in accordance with NIMS. If Necessary, a fixed or mobile command post with redundant communications can be established to support operations. If the incident warrants EOC support or Off-Site public protective measures the On-Scene command elements will coordinate with the EPC via their respective chains of command and EOC Liaisons. In addition to the traditional members of unified command (e.g., Police, Fire), and FPL Liaison will also report to unified command to coordinate on-site FPL activities (e.g., evacuations).

Figure A



The Unified Command Post (UCP) manages On-Scene Operations and protective action decision making within the area of HAB On-Scene Operations. Public information related to the area of the HAB On-Scene Operations is the responsibility of the On-Scene PIO but is coordinated with the EOC PIO who also coordinates with the Emergency News Center (i.e., JIC).

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The EOC manages operations and coordinates protective action decision making within the area of County-Wide Operations. Public information related to the area of County-Wide Operations is the responsibility of the Monroe County PIO at the JIC but is coordinated with the EOC PIO and EOF.
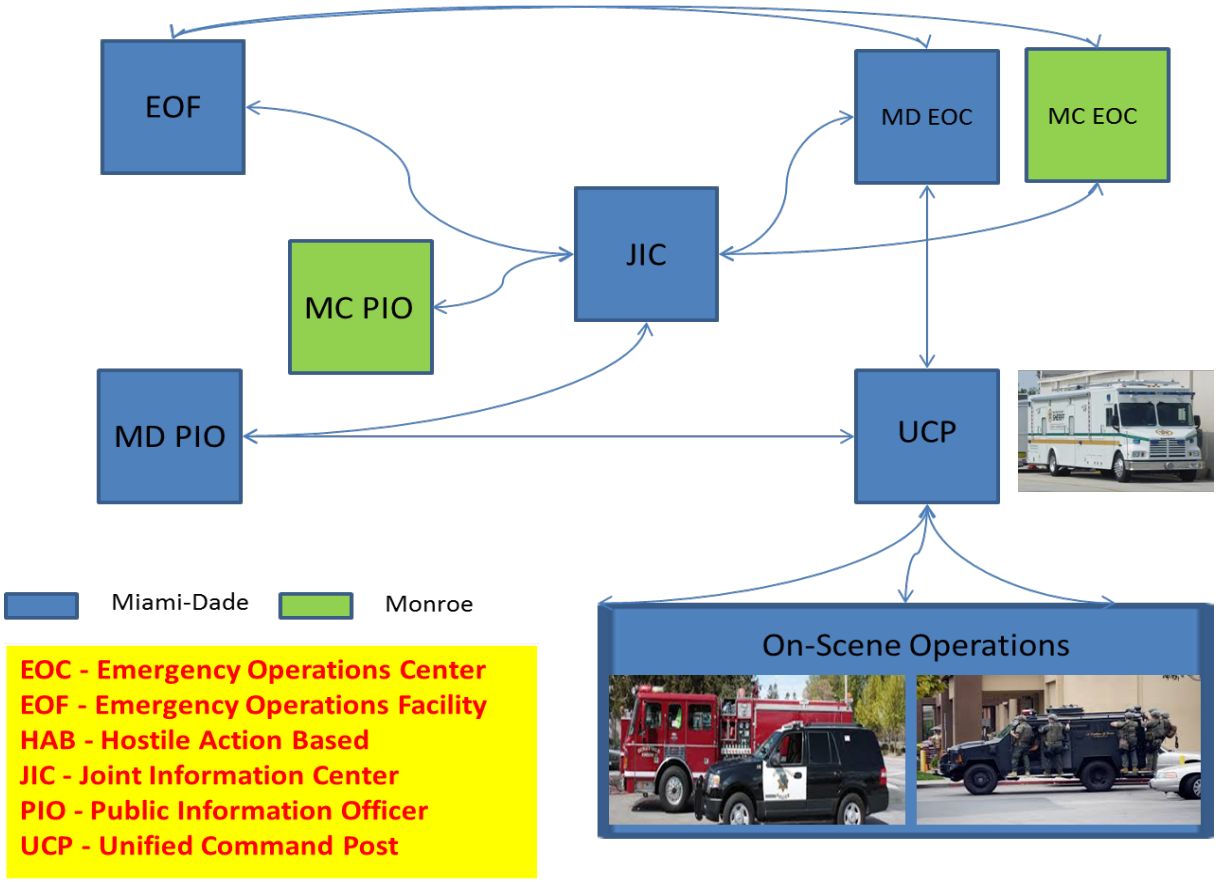
Figure B