



(1994-1995 Edition)

This booklet was prepared by Florida Power & Light Company
in cooperation with Metro-Dade Office of Emergency
Management, Monroe County Emergency Management and
the State of Florida Department of Community Affairs, Division
of Emergency Management.

For additional copies, write or phone:

Metro-Dade County Office of Emergency Management
5600 SW 87th Avenue, Miami, FL 33173-9968
Telephone (305) 273-6700

or

Monroe County Emergency Management
490 63rd Street Ocean, Suite 150, Marathon, FL 33050
Telephone (toll-free) 1-800-427-8340 or (305) 289-6018

Aviso: Hay a su disposición una traducción en español de este folleto. Usted puede recibir, gratis un resumen en español de emergencia contenida en este folleto. Para recibir una copia, simplemente llene la tarjeta en español con franqueo pagado que se adjunta y envíela por correo.



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Please keep this information booklet and discard previous publication.



How safe is Turkey Point Plant?

Safety is FPL's top priority in operating the Turkey Point nuclear plant. Extra care and time are taken to ensure safety regulations are met and even exceeded.

Nuclear energy production also is monitored closely by the Nuclear Regulatory Commission, a federal government agency. Daily inspections are conducted on-site at Turkey Point to guarantee compliance with federal regulations on public health, safety and the environment. Safe, reliable service is maintained through a variety of back up safety measures. Several identical safety systems are in place so that if one fails, others automatically go to work.

Multiple barriers for safety

Additionally, the Turkey Point plant is constructed with multiple safety barriers that keep radioactive materials in control and out of the environment.

(For further information on how Turkey Point operates see page 11.)

The uranium fuel is encased in half-inch long, cylindrical ceramic pellets. These pellets are stacked end-to-end inside sealed metal tubes that are resistant to corrosion, radiation and heat. These fuel tubes are part of a fuel assembly which is immersed in water in the reactor core. The core is inside a steel pressure vessel nine-inches thick.

All this is shielded inside a containment building made of concrete more than three-feet thick, laced with steel rods and lined with steel walls. Containment buildings are designed to withstand severe external forces such as hurricanes, tornadoes and earthquakes - even a direct hit by a jet aircraft.

Safety is further enhanced by the fact that nuclear reactors cannot explode like an atomic bomb. The concentration of uranium fuel used at Turkey Point is simply too low to produce a nuclear explosion.

Multiple barriers for safety

