

**Restoration of Radiological Environmental Monitoring Program  
Sampling Activities at the St. Lucie Plant  
Following Hurricanes Frances and Jeanne**

John A. Williamson  
State of Florida Department of Health  
Bureau of Radiation Control

**ABSTRACT**

The State of Florida Department of Health, Bureau of Radiation Control conducts REMP sampling activities for Florida Power and Light Co., the owner/operator of the St. Lucie plant.

The State of Florida had a busy 2004 hurricane season. Four hurricanes hit the state. Two of these hurricanes, Frances and Jeanne, made landfall with the eye of the storm less than ten miles from the St. Lucie Nuclear Power Plant. In the days following the first storm, an assessment of the damage to REMP sampling stations was conducted by the utility, and the state was notified. Significant damage occurred to several REMP air sampling sites. Contingency plans were put in place and by five days after landfall, all required REMP monitoring was in place and operational. The second storm hit the state three weeks later, with the eye making landfall within five miles of the landfall of the first storm. Again, the utility representative conducted the first assessment of damage. The state was notified, and within three days of storm landfall, all required REMP monitoring was in place and operational.