

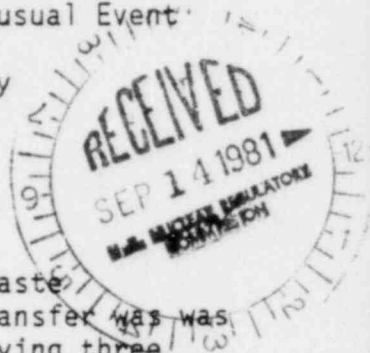
September 10, 1981

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-81-71

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by IE staff on this date.

FACILITY: Carolina Power and Light Company
Brunswick Unit 2
Docket No. 50-324

Licensee Emergency Classification:
 Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 Not Applicable



SUBJECT: CONTAMINATION OF WORKERS

On September 9 workers were transferring a sludge/resin slurry from the waste collection tank to the waste sludge tank in the radwaste building. The transfer was performed using a temporary pump and rubber hose. The hose ruptured spraying three workers with the slurry. A health physics technician was also contaminated when he went to the workers assistance. The four individuals immediately washed in an emergency shower in the area.

Three individuals had external contamination of 1000-2500 cpm. They were decontaminated with one shower. The fourth individual was contaminated to 50,000 cpm on the chest and shoulders and 10,000 cpm on the face and head. After four showers he was decontaminated to background except for 3,000 cpm around one ear.

A doctor was called in to examine the individual as the slurry was acidic and the individual had material in his ear and around the eyes. The doctor flushed material from the ear; subsequent surveys were background. Nasal smears were 228 dpm.

All individuals were whole body counted. Three showed no body burdens. The fourth individual showed 50% body burden for ^aco⁶⁰. A second whole body count twelve hours later showed 40% body burden. This is believed to be residual skin contamination rather than internal deposition. Additional whole body counts will be made.

All materials were contained in the radwaste building. No releases to the environment occurred. Air samples taken after the event were less than 10% MPC.

Neither the licensee nor the NRC plans to make a press release. *NC*

Region II (Atlanta) received notification of this occurrence by telephone from the senior resident inspector at 9:45 a.m. on September 10.

IE34
1/0

Contact: G. L. Troup, RII 242-4664

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