

ENCLOSURE

Description of Violations and Safety Items

Jersey Central Power and Light Company
Madison Avenue at Punchbowl Road
Morristown, New Jersey
License No. DPR-16

Certain activities under your license appear to be in violation of AEC requirements. These apparent violations are considered to be of Category II severity:

1. 10 CFR 20.201, "Surveys", requires that such surveys be conducted as are necessary to comply with 20.103, "Exposure of individuals to concentrations of radioactive material in restricted areas".

Contrary to this requirement, you failed to conduct adequate evaluations of the concentrations of airborne radioactive materials in the waste barrel storage areas.

You did make surveys that were intended to achieve this objective but these surveys were not performed under a sufficient variety of operational conditions to establish a valid measure of the exposure incurred by individuals working in this area.

2. 10 CFR 20.201(b) "Surveys", requires you to make such surveys as may be necessary to comply with the regulations in 10 CFR 20. One of these regulations, 10 CFR 20.101(2), "Exposure of individuals to radiation in restricted areas", establishes the quarterly limit for dose to the hands.

Contrary to this requirement, you failed to conduct adequate evaluations of the hand exposure incurred by a technician assigned to make contamination surveys on waste barrels.

960412C038 960213
PDR FOIA
DEKOK95-258 PDR

OFFICE▶					
SURNAME▶					
DATE▶					

Certain activities under your license appear to raise questions concerning the safety of operations as indicated below:

1. The National Committee on Radiation Protection, in its Report No. 30 (National Bureau of Standards, Handbook 92), recommends that "No edibles of any kind - food, gum, candy, beverages - shall be brought into contaminated areas or areas that may become contaminated between radiation control surveys" (see section 3.4, "Personal Cleanliness", page 18).

Contrary to the above, our inspector found coffee and doughnuts in the trailer used as a change area for the removal of contaminated protective clothing.

2. The National Committee on Radiation Protection in Section 3.4 of NCRP Report No. 30 (NBS Handbook 92), provides the following guidance for the safe handling of radioactive material: "Personnel should keep their work areas free from equipment and materials not needed for the immediate work. Orderliness is a prime requirement for eliminating the spread of contamination. After use, equipment should be decontaminated or stored in a controlled location".

Contrary to the above, accumulations of trash and piles of loose powdered chemicals from burst containers were present on the floor in the waste barrel storage area.

3. The expenditure of every reasonable effort to maintain the lowest practicable levels of exposure of individuals to radiation and to radioactive contamination is a precept of radiation safety which is universally accepted and supported, in principle, in 10 CFR 20.1(c), "Purpose".

Contrary to the above, your management control over the waste barrel removal operations was inadequate to assure the lowest practicable levels of exposure to individuals involved.

OFFICE▶					
SURNAME▶					
DATE▶					