

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

Central File
50-10

August 25, 1975

Region III Files *NWJ*

THRU: W. L. Fisher, Senior Health Physicist, Facilities Section
J. M. Allan, Chief, Radiological and Environmental Protection
Branch *JMA/NWJ*

TRI-STATE TRUCKING TERMINAL, SENECA, ILLINOIS
COMMONWEALTH EDISON COMPANY (DRESDEN)
DOCKET NOS. 50-10, 50-237, 50-249
CRACK OF CONCRETE CONTAINER DURING TRANSIT TO SHEFFIELD, ILLINOIS
CONTAINING DRESDEN SOIL OF LOW ACTIVITY.

A trip was made on August 19, 1975 to the Tri-State Trucking Terminal at Seneca, Illinois to observe a cracked concrete container on a truck trailer being utilized to transport soil removed from the Dresden site to the Sheffield, Illinois burial ground. The trailer was contained in a roped and posted area within the security area of the terminal. The contents of the container was dirt (clay) with low level of contamination (approximately 5 millicuries per 250 cubic feet according to licensee evaluation) from the Dresden Nuclear Power Station. Measurement of direct radiation levels at the surface of the container were on the order of 0.5 to 1.0 milliroentgen per hour. Some water was observed dripping from the cracked container, but no loss of dirt was evident. Absorbent material had been placed on the bed of the trailer and on the tarp which had been placed underneath the trailer. Counting of smears of the cask and moistened surfaces below the cask showed no detectable evidence of contamination (less than 750 dpm beta gamma activity). These measurements by IE:III corroborate findings by Commonwealth Edison radiation protection personnel. Transfer of the contents to other containers, which were to be sealed before leaving the site, was being conducted by ANEFCO (White Plains, New York) personnel which in turn was being supervised by both ANEFCO and Commonwealth Edison radiation protection personnel.

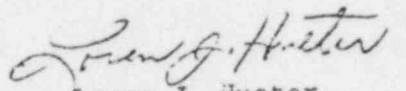
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Licensee personnel stated that prior to resuming shipments, procedures for inspection of casks would be investigated. The apparent cause of this cask failure was the lack of adequate curing of the concrete.


Loren J. Hueter
Radiation Specialist

cc: IE Files
Central Files
PDR
R. F. Warnick, Regional
Coordinator