western union telegram

447P EDT JUL 9 73 AB153 AAC237(1527)(2-035161E190)PD 50-264

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PMS NORMAN C MOSLEYDIRECTOR REGION 2, DLR

AEC DIRECTORATE REGULATORY OPERATION 230 PEACHTREE ST

ATLANTA GA 30303

IN ACCORDANCE WITH SECTION 6.6.2 OF THE PLANT TECHNICAL SPECIFICATION THE FOLLOWING ABNORMAL OCCURENCE IS REPORTED:

ON MONDAY JULY 9 1973 TWO SAFTEY INJECTION PUMPS EXPERIENCED OVERCURRENT TRIPS WHEN A MANUAL START WAS INITATED TO SUPPLY MAKEUP TO THE S.I. SYSTEM ACCUMULATORS. THE THIRD PUMP STARTED AND OPERATED PROPERLY. INVESTIGATED REVEALED THAT THE NEW OVERCURRENT TRIP DEVICES WHICH WE INSTALLED ON THIS PUMPS WERE TRIPPING AT LOWER THAN DESIRED VALUE. THE TRIP SETTING WAS INCREASED AND THE PUMP RETESTED SATISFACTORILY

SF-1201 (R5-69)

THE ABNORMAL OCCURENCE WAS REPORTEDTO MR HERB WHITENER IN PERSON ON JULY 9 1973.

BENNY J FURR MANAGER HB ROBINSON SEG PLANT

SF-1201 (R5-69)

JUL 10 1973

Telegram from Carolina Power and Light Company, Benny J. Furr,
dated July 9, 1973 - 50-261

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JUL 20 1973

Harold R. Denton, Assistant Director for Site Safety, L

ABNORMAL OCCURANCES AT H. B. ROBINSON UNIT NO. 2

RAB has looked at the dose impact of the April 10 and April 23 abnormal occurances at Unit 2 of the subject plant. The waste concentration in the drainage ditch, which is an exposed channel both near the road to the parking lot and near the picnic area, is above MPC (1.83 times MPC) of 10 CFR 20 for the April 23 incident and below for the April 10 incident. This drainage ditch is within the site boundary. No occupancy factors are given for the area within the site boundary where the drainage ditch is in the open. One can assume that water from the drainage ditch is not used for drinking at that point, and that there is no swimming in a ditch of such relatively low flow (680 gal/min) and such shallow depth (3.5 in.). It is conceivable that children (if any) from the picnic area could wade in the ditch, since there is no indication that the ditch is fenced. The direct whole body dose for 1 hour occupancy would be of the order of .05 mrem for a concentration approximately twice MPC. This has been calculated using the source strengths provided by the Carolina Power and Light Co. The dose to crayfish in the drainage ditch has been calculated to be 2.3 rem during a 24 hour occupancy. Doses in Black Creek are more than two orders of magnitude lower due to the additional dilution. Therefore, the dose impact of this accident at the plant boundary is far below the limits proposed in Appendix I.

This review and calculation have been performed by W. Kreger and R. Waterfield, RA-L.

/s/ W. E K.

Jacob Kastner, Chief,
Radiological Assessment Branch
Directorate of Licensing

cc: W. Kreger
R. Waterfield

OFFICE ▶	L:RA WEK	L:RA WEK for				Memo
SURNAME ▶	WKreger:es	JKastner				
DATE ▶	7/20/73	7/20/73				

Form AEC-318 (Rev. 9-53) AECM 0240 GPO e43—16—81405-1 445-678