

LER No.: 50-366/1982-133
Facility: E. I. Hatch
Licensee: Georgia Power Company
Docket #: 50-366

Narrative Report
for LER 50-366/1982-133

With Unit 2 Radwaste performing a routine liquid waste effluent discharge of Chemical Waste Sample Tank "A", the discharge was terminated per the lab foreman's instruction due to a suspected sample calculation error. Further investigation revealed that the concentration of Iodine 131 as specified in 10CFR Part 20, Appendix B, Table II, Column 2 was exceeded.

Approximately 3,682 gallons containing 8.5 E-7 micro-curies per milliliter of Iodine 131 was released to the river. This exceeded the 10CFR Part 20 limit for Iodine 131 which is 3 E-7 micro-curies per milliliter. This event is contrary to the requirements of Environmental Tech. Specs. Section 2.1.1.A. The liquid radwaste effluent radiation monitor was operable. Plant operation was not affected by this event. The estimated annual dose concentration to the thyroid of an individual at the point of discharge was estimated to be $3.46 \times \text{E-2}$ millirem; therefore, the health and safety of the public were not affected by this non-repetitive event.

The cause of this event was attributed to personnel error. The computer operator used the wrong geometry coefficient to calculate the release limits for Chemical Waste Sample Tank "A", Batch Number 809. To prevent recurrence of this event the lab computer operators have been instructed and counseled concerning the correct performance of radwaste sample tank calculations.