



S U P P L E M E N T A R Y   I N F O R M A T I O N

REPORT NO.: 50-302/80-028-04T-0

FACILITY: Crystal River Unit #3

REPORT DATE: 8 August 1980

OCCURRENCE DATE: 19 January 1980 (Determined at plant 7/30/80)

IDENTIFICATION OF OCCURRENCE: Contrary to Environmental Technical Specification 5.6.2.C(2) a single measured value of radioactivity concentrations in critical pathway environmental medium samples exceeded ten times the control station value.

CONDITIONS PRIOR TO OCCURRENCE: N/A

DESCRIPTION OF OCCURRENCE: The semiannual green leafy vegetable sample analyzed from sample station C48 for Strontium 90 was determined to be eighty-seven picocuries per milliliter which exceeded ten times the control station value of eight picocuries per milliliter.

DESIGNATION OF APPARENT CAUSE: Apparent cause is undetermined at this time.

ANALYSIS OF OCCURRENCE: Sampling from other pathways analyzed for Strontium and the Gamma Spectroscopy analysis of the green leafy vegetable sample are within normal limits. In addition, the concentration of Strontium 89 was non-detectable in the sample. Crystal River Unit 3 gaseous releases contain more Sr-89 than Sr-90. It is therefore possible that the Sr-90 in the sample is the result of laboratory analysis.

CORRECTIVE ACTION: A confirming re-analysis of the original sample will be performed. If the level of Sr-90 at C48 is confirmed, follow-up sampling will be utilized to determine the extent of contamination. Supplemental reports will be provided as necessary.

FAILURE DATA: This is the first report for this type occurrence.