

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (13)

Upon notification from the vendor, it was determined that the first half 1981 semi-annual green leafy vegetable sample for station C48 had 83 picocuries per kilogram of Sr-90 which exceeded ten times the control station LLD of ETS 3.2. This is contrary to ETS 5.6.2.C(2). Other sampling stations were within normal limits. Sr-89 was non-detectable at C48. This is the second event reported for this type occurrence.

SYSTEM CODE (11) Z Z CAUSE CODE (12) X CAUSE SUBCODE (13) Z COMPONENT CODE (14) Z Z Z Z Z Z Z Z COMM. FLG CODE (15) Z VALVE SUBCODE (16) Z

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The apparent cause is undetermined at this time. A resample is being performed and the effect upon the general public will be evaluated based on the resample results. If the level of Sr-90 at C48 is confirmed, followup sampling will be utilized to aid in the determination of the apparent cause. Supplemental reports will be issued as necessary.

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Name of Preparer:

*Victor A. Hernandez*

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SUPPLEMENTARY INFORMATION

Report No.: 50-302/81-038/04T-0  
Facility: Crystal River Unit #3  
Report Date: July 15, 1981  
Occurrence Date: First half 1981 (determined at plant 6/5/81)

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 specified in Environmental Technical Specification 3.2.

Conditions Prior to Occurrence:

NA

Description of Occurrence:

The semi-annual green leafy vegetable sample analyzed from station C48 for Strontium 90 was determined to be eighty-three picocuries per kilogram which exceeded ten times the control station value of eight picocuries per kilogram.

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. The effect upon the health or safety of the general public will be evaluated based on resample results.

Corrective Action:

Resample is being performed. If the level of Sr-90 at C48 is confirmed, followup sampling will be utilized to aid in the determination of the apparent cause. Supplemental reports will be provided as necessary.

Failure Data:

This is the second report for this type occurrence.

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