

ENVIRONMENTAL LICENSEE EVENT REPORT 77-160E/04X-0

1. Facility: Crystal River Unit #3
2. Report Date: 18 January 1978
3. Occurrence Date: 21-22 December 1977 (determined at plant 17 January 1978)
4. Identification of Occurrence:

Biomass of fish and shellfish impinged on the intake screens of Units 1, 2, and 3 exceeded the 50 kg/24 hour reporting level of Section 3.1.3 of Environmental Technical Specifications.

5. Conditions Prior to Occurrence:

Unit #1 - All water circulation pumps operational.

Unit #2 - All water circulation pumps non-operational (unit down).

Unit #3 - All water circulation pumps operational.

6. Description of Occurrence:

During the period 0900 21 December 1977 to 0900 22 December 1977 95.24 kg of fish and shellfish were impinged on the intake screens of Crystal River Units 1, 2, and 3. Of the 95.24 kg impinged, Unit 3 accounted for 74.04 kg (78% of total). One commercially unimportant species, the batfish, accounted for 57.99 kg (61% of total). Two commercially utilized species, the pink shrimp and the blue crab, accounted for 25.31 kg (27% of total). Impingement of all other commercially utilized species was less than 1 kg during the period in question. The remaining biomass impinged was distributed among several species of fish and shellfish.

7. Designation of Apparent Cause of Occurrence:

The following unusual or periodic event was noted prior to, or during, the occurrence:

One oil barge entered the intake canal during sampling.

This event may have been partially responsible for the impingement observed.

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