

ENVIRONMENTAL LICENSEE EVENT REPORT 77-59E

1. Facility: Crystal River Unit #3
2. Report Date: 1 July 1977
3. Occurrence Date: June 9-10, 1977
4. Identification of Occurrence:

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

5. Conditions Prior to Occurrence:

Unit #1 - All water circulation pumps operational.

Unit #2 - One of four water circulation pumps non-operational (1 hour).

Unit #3 - All water circulation pumps operational.

6. Description of Occurrence:

During the period 1000 June 9, 1977 to 1000 June 10, 1977 75.10 kg of fish and shellfish were impinged on the intake screens of Crystal River Units 1, 2 and 3. Of the 75.10 kg impinged, Unit 3 accounted for 18.14 kg (23% of total). One commercially unimportant species, the batfish accounted for 68.10 kg (86% of total). Two commercially utilized species, the pink shrimp and the blue crab accounted for 5.55 kg (7% 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 events were noted prior to or during the occurrence:

1. One coal barge left intake canal at 0825 on 6/9/77.
2. A dredge performing canal maintenance entered the intake canal at 1430 on 6/9/77 and left at 2025 on 6/9/77.

These events may have been partially responsible for the impingement observed.

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