

ENVIRONMENTAL LICENSEE EVENT REPORT (#77-30E)

1. Facility: Crystal River Unit #3
2. Report Date: 19 April 1977
3. Occurrence Date: 24-25 March, 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 non-operational.
(Unit 1 down, maintenance)
Unit #2 - All water circulation pumps operating normally.
Unit #3 - All water circulation pumps operating normally.

6. Description of Occurrence:

During the period 0900 March 24, 1977 to 0900 March 25, 1977 156.30 kg of fish and shellfish were impinged on the intake screens of Crystal River Units 1, 2 and 3. Of the 156.30 kg impinged, Unit 3 accounted for 99.13 kg (63% of total). Two commercially unimportant species, the batfish and the cowfish accounted for 93.05 kg (60% of total). Two commercially utilized species, the pink shrimp and the blue crab accounted for 26.35 kg (17% 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:

- A. Barge traffic
One oil barge entered the intake canal
One coal barge left the intake canal;
- B. Strong Southwest winds occurred in the Crystal River area on March 23, 1977;
- C. Divers were cleaning the submerged portion of the intake structure of Unit 1.

These events have been partially responsible for the impingement observed.

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