NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | NYJAF1 (2) | 00-000-000 (3) | 4 | 1111 (4) | (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T
01 | REPORT SOURCE L (6) | 050003333 (7) | 123082 (8) | 020383 (9)
DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | The number of fish impinged during the 24 hour period 12/29/82 (1400)
03 | to 12/30/82 (1400) exceeded 20,000. This report is in accordance
04 | with Environmental Technical Specification 4.1.b. The event did not
05 | represent a significant hazard to public health and safety. (See
06 | attached)
07 |
08 |

09 | SYSTEM CODE ZZ (11) | CAUSE CODE X (12) | CAUSE SUBCODE X (13) | COMPONENT CODE ZZZZZZ (14) | COMP. SUBCODE Z (15) | VALVE SUBCODE Z (16)

(17) LER/RO REPORT NUMBER: EVENT YEAR 82 | — | SEQUENTIAL REPORT NO. 060 | / | OCCURRENCE CODE 04 | REPORT TYPE T | — | REVISION NO. 0

ACTION TAKEN Z (18) | FUTURE ACTION Z (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS (22) 0000 | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. N (24) | PRIME COMP. SUPPLIER Z (25) | COMPONENT MANUFACTURER Z999 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | (See attached)
11 |
12 |
13 |
14 |

15 | FACILITY STATUS E (28) | % POWER 100 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY B (31) | DISCOVERY DESCRIPTION (32) Routine Sample

16 | ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) NA | LOCATION OF RELEASE (36) NA

17 | PERSONNEL EXPOSURES NUMBER 000 (37) | TYPE Z (38) | DESCRIPTION (39) NA

18 | PERSONNEL INJURIES NUMBER 000 (40) | DESCRIPTION (41) NA

19 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION NA

20 | PUBLICITY ISSUED N (44) | DESCRIPTION (45)

8302230299 830203
PDR ADOCK 05000333
S PDR

NRC USE ONLY

NAME OF PREPARER Eric Mulcahey PHONE: 315-342-3840

CPO 01 7-926

POWER AUTHORITY OF THE STATE OF NEW YORK
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

DOCKET NO. 50-333

ATTACHMENT TO LER 82-060/04T-0 PAGE 1 of 1

On December 30, 1982 the impingement rate at the James A. FitzPatrick Nuclear Power Plant exceeded 20,000 fish for a 24-hour sample. The sample collected on December 30 contained 20,229 fish. Prior to this sample, the impingement rates at the FitzPatrick Plant were low with rates of less than 100 fish/24 hr. based on the four previous impingement collections for the month of December 1982. The five dominant species collected in the December 30 sample (>50 individuals) were Rainbow Smelt (18,899), Alewife (807), Spottail Shiner (216), White Perch (97), and White Bass (73). A total of 17 different species was identified in the sample.

This dramatic increase in the impingement rate was due to bad weather conditions experienced during the sampling on December 29-30 and the large numbers of young-of-the-year and sub-adult fish that inhabit the shore zone during this time of the year. On the impingement set (29th) the wind was from the west at a gusty 30 mph with waves of six to nine feet. The high wind and waves continued through the night and then decreased during the 30th to 15 to 25 mph and waves of three to five feet. These rough weather conditions forced large schools of young fish to become disoriented making them more susceptible to impingement force. A second factor which may have contributed to the increased impingement was that the fish in the near shore zone were seeking deeper water for shelter and were generally in closer proximity to the intake structure than during periods of calmer weather. Of the 20,229 fish caught on the 30th, at least 95% were young-of-the-year or sub-adult fish. Rainbow Smelt made up 93% of the total fish caught of which at least 99% were young-of-the-year fish. Young fish were collected in the samples prior to this collection but not in such large numbers.

As required by the Plant's Environmental Techical Specifications sampling was continued until the number of fish collected during a 24-hour period diminished to less than 20,000 individuals. On the follow-up impingement collection of December 30-31, the wind switched from the west to the south and diminished to 9 mph with waves of one to three feet. The total fish caught on the 31st was 2,890 fish, most of which were caught on the afternoon of the 30th when the winds were still out of the west which is considered the major factor in the high impingement of the previous sample. The dominant species in the follow-up sample of December 30 were Rainbow Smelt (2,636) followed by Alewife (98) and White Bass (70). A total of 14 species was collected in this sample.

Please Note: This LER was previously designated as LER-83-001, which was a numerical error on our part. The event occurred in 1982.

LER-83-001 has been voided; the number will not be used.