

LICENSEE EVENT REPORT

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

0 1 | F | L | S | L | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | \_\_\_\_\_ | 5

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

LICENSEE CODE LICENSE NUMBER LICENSE TYPE JO CAT 38

CON'T

0 1 | R | E | P | O | R | T | S | O | U | R | C | E | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 3 | 5 | 7 | 0 | 4 | 2 | 2 | 8 | 2 | 3 | 0 | 5 | 2 | 4 | 8 | 2 | 9

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

REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal full power operation, low level radioactive resin was \_\_\_\_\_

0 3 | inadvertently disposed of in a site landfill. The activity involved was \_\_\_\_\_

0 4 | approximately 1.8 mCi. of Cesium. The landfill site is outside of the \_\_\_\_\_

0 5 | plant radiation controlled area (RCA), but it is within the owner \_\_\_\_\_

0 6 | controlled area and access is controlled by Plant Security Guards. The \_\_\_\_\_

0 7 | problem was discovered within 1 day of disposal and cleanup was complete \_\_\_\_\_

0 8 | within 6 days. This event is reportable per 10 CFR 20. \_\_\_\_\_

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

0 9 | SYSTEM CODE: Z Z (11) CAUSE CODE: X (12) CAUSE SUBCODE: X (13) COMPONENT CODE: Z Z Z Z Z Z Z (14) COMP SUBCODE: Z (15) VALVE SUBCODE: Z (16)

17 | LERIRO REPORT NUMBER: 8 2 (21) EVENT YEAR: 8 2 (22) SEQUENTIAL REPORT NO.: 0 1 6 (24) OCCURRENCE CODE: / (27) REPORT TYPE: L (30) REVISION NO.: 0 (32)

ACTION TAKEN: X (33) FUTURE ACTION: G (34) EFFECT ON PLANT: Z (35) SHUTDOWN METHOD: Z (36) HOURS: 0 0 0 0 (37) ATTACHMENT SUBMITTED: Y (41) NPRO-4 FORM SUB.: N (42) PRIME COMP SUPPLIER: Z (43) COMPONENT MANUFACTURER: Z 9 9 9 (44)

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The resin was from the Stm. Gen. Blowdown test facility which is outside \_\_\_\_\_

1 1 | the R C A and is normally a non-radioactive system. A routine sample of \_\_\_\_\_

1 2 | the resin was taken but not analyzed until after disposal. The SGBTF \_\_\_\_\_

1 3 | apparently concentrated some low level activity. The RCA will be \_\_\_\_\_

1 4 | expanded to include the SGBTF and waste will be analyzed prior to disposal. \_\_\_\_\_

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

1 5 | FACILITY STATUS: E (38) % POWER: 0 9 9 (39) OTHER STATUS: NA (40) METHOD OF DISCOVERY: A (41) DISCOVERY DESCRIPTION: Routine Analysis (42)

1 6 | ACTIVITY RELEASED: S (33) P (34) AMOUNT OF ACTIVITY: 1.8 mCi-Cs (35) LOCATION OF RELEASE: PSL #2 Landfill Site (36)

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

1 7 | PERSONNEL EXPOSURES NUMBER: 0 0 0 (37) TYPE: Z (38) DESCRIPTION: NA (39)

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

1 8 | PERSONNEL INJURIES NUMBER: 0 0 0 (40) DESCRIPTION: NA (41)

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

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42) DESCRIPTION: NA (43)

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

2 0 | PUBLICITY ISSUED: N (44) DESCRIPTION: NA (45)

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

NAME OF PREPARER: P.L. Pace PHONE: (305) 552-3654

8206070127 820524  
PDR ADOCK 05000335  
S PDR

STEAM GENERATOR BLOW DOWN TREATMENT FACILITY RESIN

Abstract: On April 20th and April 21, 1982 two resin beds were changed out at the Steam Generator Blow Down Treatment Facility, transported to St. Lucie Unit 2 and disposed of as sanitary landfill. The April 22, 1982 isotopic analysis of the "B" cation resin bed indicated the presence of Cs 134 and Cs 137. The resin was removed from the dump site and returned to St. Lucie Unit 1 in LSA boxes. Bulk quantities of dirt were removed from the dump, transported to St. Lucie Unit 1 and piled near the SGBTF. The dump site was sampled at numerous locations. The area was released and backfilled.

The ultimate disposal of the resin and resin/dirt mixture will occur as licensed burial space becomes available.

Chronology:

April 20, 1982: SGBTF "B" mixed resin bed sampled at 11:00 a.m. Isotopic analysis performed (SN 82-60). No detectable activity found. Resins released by Health Physics for transport to St. Lucie Unit 2 landfill for disposal.

April 21, 1982: SGBTF "B" cation resin bed sampled. (Due to a small waste fire in the RAB personnel became distracted and delayed analyzing the sample. Resins transported to Unit 2 landfill for disposal without release from Health Physics.

April 22-23, 1982: Resin pile at Unit 2 landfill sampled. Isotopic analysis verified presence of Cs 134 and Cs 137.

April 22-26, 1982: Recovered resin from landfill and returned same to Unit 1 (in LSA boxes)

April 27, 1982: Transported bulk quantities of dirt to Unit 1 near SGBTF. Covered and posted area.

April 27, 1982: Analyzed samples from resin filled LSA boxes.

April 25, 29, & 30, 1982: Procured and analyzed samples from Unit 2 landfill. Dirt excavated until sample analysis results were less than MDA. Excavated soil returned to Unit 1. Excavated area backfilled.

STEAM GENERATOR BLOW DOWN TREATMENT FACILITY RESIN (Cont)

DATA:

Resin Samples: "B" Mixed bed resin column SGBTF, ISOTOPIC Analysis less than MDA (82-60)

"B" Cation bed resin column SGBTF, ISOTOPIC Analysis:  
Cs 134-1.99E-5 uCi/gram  
Cs 137-5.58E-5 uCi/gram (82-74)

Resin sample from dump, ISOTOPIC Analysis:  
Cs 134-4.47E-5 uCi/gram  
Cs 137-1.54E-4 uCi/gram

Resin sample from LSA Box 1, ISOTOPIC Analysis  
Cs 135-7.15E-6 uCi/gram  
Cs 137-2.30E-5 uCi/gram

Resin sample from LSA Box 2, ISOTOPIC Analysis:  
Cs 134-3.1E-5 uCi/gram  
Cs 137-9.1E-5 uCi/gram

Resin Volume Discharged:

"B" mixed bed resin column SGBTF;	150 ft <sup>3</sup>
"B" cation bed resin column SGBTF;	<u>115 ft<sup>3</sup></u>
TOTAL	265 ft <sup>3</sup>

Resin Volume Recovered:

2 LSA Boxes, (est) 100% Resin, Full:	196 ft <sup>3</sup>
3 LSA Boxes, (est) 20% Resin, Full:	59 ft <sup>3</sup>
Dirt Pile, Balance, (est)	<u>10 ft</u>
TOTAL	265 ft <sup>3</sup>