

ARGONNE NATIONAL LABORATORY

9700 SOUTH CASS AVENUE, ARGONNE, ILLINOIS 60439

TELEPHONE 312/972-4639

July 10, 1979

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CT-1144
PDR 9/13/79

Dr. D. W. Moeller, Chairman
Ad Hoc Subcommittee on Evaluation
of Licensee Event Reports
Advisory Committee on Reactor Safeguards
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Dr. Moeller:

Subject: Licensee Event Reports - Set Point Drift

Attached are two tables which can be submitted to the LER subcommittee for consideration as an addition to the ACRS LER report:

1. Set point drift LERs for PWRs.
2. Set point drift LERs for BWRs.

The discrepancies noted for LERs in 1976, 1977, and 1978 were discussed with ORNL. In 1976, 19 entries in the ORNL-NSIC data file included six environmental entries for Millstone 1 and 2 and 13 NRC LER reports. In 1977, two NRC LER reports were included in the LER file. Also, ORNL discovered that the 1977 file did not contain all LERs and therefore updated the file based on NRC data. The data supplied by ORNL on May 23, 1979 to Dr. Ivan Catton was based on the NSIC Safety-Related Occurrences Reports for 1976, 1977, and 1978 and did not reflect the updated information as contained in the NSIC data file as of May 23, 1979.

Discrepancies now exist in LERs by year between the table I submitted earlier on set point drift categorized by component and the attached tables categorized by plant as follows:

From table by component

From table by plant

1976		1977		1978	
BWR	PWR	BWR	PWR	BWR	PWR
1268	1284	1355	1924	1251	2096
1274	1236	1327	1852	1198	1944

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OCATION
7910020672

Dr. David Moeller

-2-

July 10, 1979

Comparison of the above values indicates that some LERs are not identified with specific plants. I will perform a comparison of the NSIC files used to prepare each table to identify the specific cause for the differences.

Sincerely,

Walter C. Lipinski
Walter C. Lipinski
Senior Electrical Engineer
Reactor Analysis & Safety Division

WCL/at

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SET POINT DRIFT LERs FOR PWRs

PLANT	1976		1977		1978		3 Year Total	
	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs
1. Arkansas Nuclear 1	1	40	1	29	0	35	2	104
2. Arkansas Nuclear 2	0	4	0	11	0	53	0	68
3. Beaver Valley 1	0	15	1	71	1	62	2	148
4. Calvert Cliffs 1	2	50	1	118	1	57	4	225
5. Calvert Cliffs 2	0	13	2	95	0	50	2	158
6. Connecticut Yankee	2	21	1	32	0	33	3	86
7. Cook 1	5	64	2	50	1	70	8	184
8. Cook 2	0	0	0	3	2	105	2	108
9. Crystal River 3	0	9	4	133	0	97	4	239
10. Davis-Besse 1	0	17	0	131	5	121	5	269
11. Farley 1	0	7	6	74	7	97	13	178
12. Ft. Calhoun 1	11	46	11	53	5	46	27	145
13. Ginna	0	28	0	23	0	9	0	60
14. Indian Point 2	1	30	4	44	3	36	8	110
15. Indian Point 3	4	49	2	19	5	39	11	107
16. Kewaunee	6	31	4	37	6	35	16	103
17. Maine Yankee	5	17	1	9	3	28	9	54
18. Millstone 2	6	62	2	36	3	30	11	128
19. North Anna 1	0	23	0	52	9	138	9	213
20. Oconee 1	0	34	0	45	5	24	5	103
21. Oconee 2	0	30	0	33	2	14	2	77
22. Oconee 3	0	33	1	33	0	19	1	85
23. Palisades	5	36	3	54	3	41	11	131
24. Point Beach 1	0	9	1	16	0	17	1	42
25. Point Beach 2	0	16	0	13	1	11	1	40
26. Prairie Island 1	1	47	0	44	2	28	3	119
27. Prairie Island 2	4	41	1	31	0	21	5	93
28. Rancho Seco	1	19	1	22	0	22	2	63

SET POINT DRIFT LERs FOR PWRs (Contd.)

PLANT	1976		1977		1978		3 Year Total	
	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs
29. Robinson 2	0	26	0	29	0	30	0	85
30. Salem 1	0	28	6	82	6	78	12	188
31. San Onofre 1	0	15	0	20	0	19	0	54
32. St. Lucie 1	1	54	3	54	1	48	5	156
33. Surry 1	1	36	3	24	3	50	7	110
34. Surry 2	4	35	2	21	0	47	6	103
35. Three Mile Island 1	3	43	0	31	1	25	4	99
36. Three Mile Island 2	0	10	0	12	4	69	4	91
37. Trojan	0	59	4	50	1	35	5	144
38. Turkey Point 3	1	10	1	8	2	17	4	35
39. Turkey Point 4	1	7	1	15	0	13	2	35
40. Yankee Rowe	1	14	5	53	2	36	8	103
41. Zion 1	2	66	8	76	10	94	20	236
42. Zion 2	8	42	8	66	5	45	20	153
	76	1236	89	1852	99	1944	264	5032

SET POINT DRIFT LERs FOR BWRs

PLANT	1976		1977		1978		3 Year Total	
	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs	Set Point Drift LERs	All LERs
1. Arnold	18	98	22	99	7	55	47	252
2. Big Rock Point	1	40	3	57	2	47	6	144
3. Browns Ferry 1	0	26	3	33	4	38	7	97
4. Browns Ferry 2	0	23	1	16	1	20	2	59
5. Browns Ferry 3	0	31	2	26	1	36	3	93
6. Brunswick 1	0	8	22	104	4	95	26	207
7. Brunswick 2	39	198	27	82	8	80	74	360
8. Cooper	8	56	12	64	1	40	21	160
9. Dresden 1	4	18	6	36	3	29	13	83
10. Dresden 2	13	70	8	78	8	53	29	201
11. Dresden 3	1	40	9	56	8	49	18	145
12. Fitzpatrick	6	93	3	62	7	95	16	250
13. Hatch 1	13	95	11	81	8	96	32	272
14. Hatch 2	0	1	0	8	10	77	10	86
15. Humboldt Bay	0	12	0	5	0	3	0	20
16. LaCrosse	1	17	2	9	0	14	3	40
17. Millstone 1	9	39	12	44	11	32	32	115
18. Monticello	2	24	3	34	0	30	5	88
19. Nine Mile Point	10	32	23	56	20	41	53	129
20. Oyster Creek	7	29	4	31	4	34	15	94
21. Peach Bottom 2	4	99	7	91	5	48	16	238
22. Peach Bottom 3	7	83	5	89	2	26	14	198
23. Pilgrim 1	7	33	7	47	7	56	18	136
24. Quad Cities 1	2	39	9	50	8	30	19	119
25. Quad Cities 2	4	21	7	41	10	41	21	103
26. Vermont Yankee	5	49	3	28	3	33	11	110
	158	1274	211	1327	142	1198	511	3799

LICENSEE EVENT REPORT

DATE Reported

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 2 3 4 5 } No

LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 70 57 CAT 58

1 2 3 4 5 6 7 8 9

REPORT SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

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5 LER has been cancelled (no reasons.)

6

7 reasons on letter

8

9

SYSTEM CODE 9 10 CAUSE CODE 11 12 CAUSE SUBCODE 13 14 COMPONENT CODE 15 16

COMP. SUBCODE 13 14 VALVE SUBCODE 17 18

17 LER/RO REPORT NUMBER 21 22

EVENT YEAR 23 24

SEQUENTIAL REPORT NO. 25 26

OCCURRENCE CODE 27 28

REPORT TYPE 29 30

REVISION NO. 31 32

18 ACTION TAKEN 33 19 FUTURE ACTION 34 20 EFFECT ON PLANT 35 21 SHUTDOWN METHOD 36 22 HOURS 37 23 ATTACHMENT SUBMITTED 40 24 NRC-4 FOR SUB. 41 25 PRIME COMP. SUPPLIER 42 26 COMPONENT MANUFACTURER 43 27 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 44 47

10

11

12

13

14

POOR ORIGINAL

15

FACILITY STATUS 28 29 % POWER 30 31 OTHER STATUS 32 33 METHOD OF DISCOVERY 34 35 DISCOVERY DESCRIPTION 36 37

16

ACTIVITY CONTENT RELEASED OF RELEASE 38 39 AMOUNT OF ACTIVITY 40 41 LOCATION OF RELEASE 42 43

17

PERSONNEL EXPOSURES NUMBER 44 45 TYPE 46 47 DESCRIPTION 48 49

18

PERSONNEL INJURIES NUMBER 50 51 DESCRIPTION 52 53

19

LOSS OF OIL DAMAGE TO FACILITY TYPE 54 55 DESCRIPTION 56 57

20

PUBLICITY ISSUED 58 59 DESCRIPTION 60 61

1070 235

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