

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 MCCOLLUM,W.R. Duke Power Co.
 RECIP.NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards results of SG tube insp performed during Unit 1
 forced outage which began on 971228, as required by Tech
 Specs 4.17.6(b).

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**Duke Power Company***A Duke Energy Company*

Oconee Nuclear Site

P.O. Box 1439

Seneca, SC 29679

W. R. McCollum, Jr.
Vice President

(864) 885-3107 OFFICE

(864) 885-3564 FAX

February 5, 1998

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Subject: Duke Energy Corporation
Oconee Nuclear Station, Unit 1
Docket No. 50-269
Forced Outage Steam Generator Inspection
Steam Generator Three (3) Month Report

As required by Technical Specifications 4.17.6 (b), the results of the Steam Generator Tube Inspection performed during the Unit 1 forced outage which began on December 28, 1997, are submitted.

1. The following quantity of tubes were inspected from the inlet or outlet of the Steam Generators. The inspections using MRPC only reviewed the roll transition and reroll area and did not review the entire tube.

<u>Steam Generator</u>	<u>Quantity</u>	<u>Inspection Method</u>
A	16	Bobbin
A	2232	MRPC
B	0	Bobbin
B	0	MRPC

2. The following information is submitted concerning tube indications of imperfections. (The attached lists identify the tubes with imperfections, their locations, and their size.)

<u>Steam Generator</u>	<u>Attachment</u>	<u>Inspection Method</u>
A	1	Bobbin
A	2	MRPC/Plus Point

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3. The following information identifies the quantity of tubes removed from service by plugging. (The tubes are identified in the attachments).

<u>Steam Generator</u>	<u>Number of Tubes Removed from Service</u>	<u>Attachment</u>
A	40	3
B	0	4

4. The following quantities of tubes were repaired in the upper tubesheet by rerolling.

<u>Steam Generator</u>	<u>Number of Tubes Repaired by Rerolling</u>	<u>Attachment</u>
A	2232*	5
B	0	6

* 2192 of these tubes remained in service, 40 were plugged and are included in the total of 40 plugged tubes.

5. There were no tubes repaired by sleeving in either steam generator during this outage.

If there are any questions you may contact Michael Bailey at (864) 885-4390.

Very truly yours,



W. R. McCollum, Jr.
Site Vice President

Attachments (6)

xc: Mr. L. A. Reyes
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission

Mr. M. A. Scott
Senior NRC Resident Inspector
Oconee Nuclear Station

Mr. Max Batavia
Bureau of Radiological Health
SC Dept. of Health & Environmental Control
2600 Bull St.
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Mr. D. E. LaBarge, Project Manager
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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Bobbin

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ATTACHMENT #1 - LIST OF IMPERFECTIONS - BOBBIN

OCONEE 90 DAY NRC REPORT

ROW	COL	OUTAGE	TEST TYPE	IND %TW	VOLTS	LOCATION	EXTENT1	EXTENT2
75	126	12/97 LKR	Bobbin	NQI	0.37 010	+0.39	LTE	UTE
81	124	12/97 LKR	Bobbin	NQI	4.67 015	+42.39	LTE	UTE

Total Indications Found = 2

Total Tubes Found = 2

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MRPC Special Int.,REROLL MRPC,UTE EXAM

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ATTACHMENT #2 - LIST OF IMPERFECTIONS - MRPC

OCONEE 90 DAY NRC REPORT

ROW	COL	OUTAGE	TEST TYPE	IND %TW	VOLTS	LOCATION	EXTENT1	EXTENT2
23	7	12/97 LKR	REROLL MRPC	SAI	1.37	UTE	-3.62	UTE

Total Indications Found = 1
Total Tubes Found = 1

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PLUGGED TUBES - ATTACHMENT #3

COUNT ROW COL

COUNT ROW COL

1.	1	12
2.	3	32
3.	3	34
4.	5	3
5.	5	44
6.	8	56
7.	20	84
8.	22	1
9.	23	7
10.	25	1
11.	36	113
12.	37	1
13.	42	1
14.	44	1
15.	53	126
16.	60	129
17.	65	130
18.	67	130
19.	74	125
20.	75	126
21.	83	132
22.	84	131
23.	85	130
24.	87	130
25.	88	129
26.	102	123
27.	130	93
28.	136	6
29.	137	1
30.	138	75
31.	139	73
32.	143	60
33.	144	1
34.	147	44
35.	147	46
36.	148	38
37.	148	41
38.	149	32
39.	150	6
40.	151	10

Total Data Items Found = 40

Total Tubes Found = 40

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PLUGGED TUBES - ATTACHMENT #4
COUNT ROW COL

COUNT ROW COL

Total Data Items Found = 0
Total Tubes Found = 0

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

1.	1	1
2.	1	2
3.	1	3
4.	1	4
5.	1	5
6.	1	6
7.	1	7
8.	1	8
9.	1	9
10.	1	10
11.	1	11
12.	1	12
13.	1	13
14.	1	14
15.	1	15
16.	1	16
17.	2	1
18.	2	2
19.	2	3
20.	2	4
21.	2	5
22.	2	6
23.	2	7
24.	2	8
25.	2	9
26.	2	10
27.	2	11
28.	2	12
29.	2	13
30.	2	15
31.	2	16
32.	2	17
33.	2	18
34.	2	19
35.	2	20
36.	2	21
37.	2	22
38.	2	23
39.	2	24
40.	2	25
41.	2	26
42.	2	27
43.	3	1
44.	3	2
45.	3	3
46.	3	4

COUNT ROW COL

47.	3	5
48.	3	6
49.	3	10
50.	3	11
51.	3	12
52.	3	13
53.	3	14
54.	3	15
55.	3	16
56.	3	17
57.	3	18
58.	3	19
59.	3	20
60.	3	21
61.	3	22
62.	3	23
63.	3	24
64.	3	25
65.	3	26
66.	3	27
67.	3	30
68.	3	31
69.	3	32
70.	3	33
71.	3	34
72.	4	1
73.	4	2
74.	4	3
75.	4	5
76.	4	6
77.	4	7
78.	4	8
79.	4	10
80.	4	11
81.	4	12
82.	4	15
83.	4	16
84.	4	17
85.	4	18
86.	4	19
87.	4	20
88.	4	21
89.	4	22
90.	4	24
91.	4	25
92.	4	26

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

93.	4	27
94.	4	28
95.	4	29
96.	4	30
97.	4	33
98.	4	34
99.	4	35
100.	4	36
101.	4	37
102.	4	38
103.	4	39
104.	4	40
105.	4	41
106.	5	1
107.	5	2
108.	5	3
109.	5	4
110.	5	5
111.	5	6
112.	5	7
113.	5	8
114.	5	9
115.	5	12
116.	5	13
117.	5	14
118.	5	15
119.	5	19
120.	5	20
121.	5	21
122.	5	22
123.	5	23
124.	5	24
125.	5	25
126.	5	26
127.	5	27
128.	5	28
129.	5	29
130.	5	30
131.	5	31
132.	5	32
133.	5	33
134.	5	36
135.	5	37
136.	5	38
137.	5	39
138.	5	40

COUNT ROW COL

139.	5	41
140.	5	42
141.	5	43
142.	5	44
143.	5	45
144.	5	46
145.	6	1
146.	6	2
147.	6	4
148.	6	5
149.	6	7
150.	6	8
151.	6	9
152.	6	10
153.	6	11
154.	6	12
155.	6	14
156.	6	15
157.	6	16
158.	6	17
159.	6	19
160.	6	20
161.	6	21
162.	6	22
163.	6	23
164.	6	24
165.	6	25
166.	6	26
167.	6	27
168.	6	28
169.	6	29
170.	6	30
171.	6	31
172.	6	32
173.	6	33
174.	6	34
175.	6	35
176.	6	36
177.	6	37
178.	6	39
179.	6	40
180.	6	41
181.	6	42
182.	6	43
183.	6	44
184.	6	45

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

185.	6	46
186.	6	47
187.	6	48
188.	6	49
189.	6	50
190.	6	51
191.	7	1
192.	7	2
193.	7	3
194.	7	5
195.	7	6
196.	7	7
197.	7	8
198.	7	9
199.	7	10
200.	7	11
201.	7	14
202.	7	15
203.	7	16
204.	7	17
205.	7	18
206.	7	19
207.	7	20
208.	7	21
209.	7	22
210.	7	33
211.	7	34
212.	7	35
213.	7	36
214.	7	37
215.	7	38
216.	7	39
217.	7	40
218.	7	41
219.	7	42
220.	7	43
221.	7	44
222.	7	45
223.	7	46
224.	7	47
225.	7	48
226.	7	49
227.	7	50
228.	7	52
229.	7	53
230.	7	54

231.	8	1
232.	8	2
233.	8	3
234.	8	4
235.	8	6
236.	8	7
237.	8	8
238.	8	9
239.	8	10
240.	8	11
241.	8	12
242.	8	13
243.	8	14
244.	8	15
245.	8	17
246.	8	41
247.	8	42
248.	8	43
249.	8	45
250.	8	46
251.	8	47
252.	8	48
253.	8	49
254.	8	50
255.	8	51
256.	8	52
257.	8	53
258.	8	54
259.	8	55
260.	8	56
261.	8	57
262.	9	1
263.	9	2
264.	9	3
265.	9	4
266.	9	5
267.	9	6
268.	9	8
269.	9	9
270.	9	10
271.	9	11
272.	9	12
273.	9	13
274.	9	14
275.	9	15
276.	9	16

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

277.	9	47
278.	9	48
279.	9	49
280.	9	50
281.	9	51
282.	9	52
283.	9	53
284.	9	54
285.	9	55
286.	9	56
287.	9	57
288.	9	58
289.	9	59
290.	9	60
291.	9	61
292.	9	62
293.	10	1
294.	10	2
295.	10	3
296.	10	4
297.	10	5
298.	10	6
299.	10	7
300.	10	8
301.	10	9
302.	10	10
303.	10	11
304.	10	12
305.	10	13
306.	10	14
307.	10	53
308.	10	54
309.	10	55
310.	10	56
311.	10	57
312.	10	58
313.	10	59
314.	10	60
315.	10	61
316.	10	62
317.	10	64
318.	10	65
319.	11	1
320.	11	2
321.	11	3
322.	11	4

323.	11	5
324.	11	6
325.	11	7
326.	11	8
327.	11	9
328.	11	10
329.	11	11
330.	11	12
331.	11	13
332.	11	56
333.	11	57
334.	11	58
335.	11	59
336.	11	60
337.	11	61
338.	11	62
339.	11	63
340.	11	64
341.	11	65
342.	11	66
343.	11	67
344.	11	68
345.	12	2
346.	12	3
347.	12	4
348.	12	5
349.	12	6
350.	12	7
351.	12	8
352.	12	9
353.	12	10
354.	12	11
355.	12	12
356.	12	13
357.	12	59
358.	12	60
359.	12	61
360.	12	62
361.	12	63
362.	12	64
363.	12	65
364.	12	66
365.	12	67
366.	12	68
367.	12	69
368.	12	70

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

369. 12 71
 370. 13 1
 371. 13 2
 372. 13 3
 373. 13 4
 374. 13 5
 375. 13 6
 376. 13 7
 377. 13 8
 378. 13 9
 379. 13 10
 380. 13 11
 381. 13 12
 382. 13 63
 383. 13 64
 384. 13 65
 385. 13 66
 386. 13 67
 387. 13 68
 388. 13 69
 389. 13 70
 390. 13 71
 391. 13 72
 392. 13 73
 393. 13 74
 394. 14 1
 395. 14 2
 396. 14 3
 397. 14 4
 398. 14 5
 399. 14 6
 400. 14 7
 401. 14 8
 402. 14 9
 403. 14 10
 404. 14 11
 405. 14 65
 406. 14 66
 407. 14 67
 408. 14 68
 409. 14 70
 410. 14 72
 411. 14 73
 412. 14 75
 413. 15 1
 414. 15 2

415. 15 3
 416. 15 4
 417. 15 5
 418. 15 6
 419. 15 7
 420. 15 8
 421. 15 9
 422. 15 10
 423. 15 11
 424. 15 68
 425. 15 69
 426. 15 70
 427. 15 71
 428. 15 72
 429. 15 73
 430. 15 74
 431. 15 75
 432. 15 76
 433. 15 77
 434. 15 78
 435. 16 1
 436. 16 2
 437. 16 3
 438. 16 4
 439. 16 5
 440. 16 6
 441. 16 7
 442. 16 8
 443. 16 9
 444. 16 10
 445. 16 72
 446. 16 73
 447. 16 74
 448. 16 76
 449. 16 79
 450. 16 80
 451. 16 81
 452. 17 2
 453. 17 3
 454. 17 4
 455. 17 5
 456. 17 6
 457. 17 7
 458. 17 8
 459. 17 9
 460. 17 10

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

461.	17	73
462.	17	74
463.	17	75
464.	17	76
465.	17	77
466.	17	78
467.	17	80
468.	17	81
469.	17	82
470.	18	1
471.	18	2
472.	18	3
473.	18	4
474.	18	5
475.	18	6
476.	18	7
477.	18	8
478.	18	9
479.	18	10
480.	18	76
481.	18	77
482.	18	78
483.	18	79
484.	18	80
485.	18	81
486.	18	82
487.	18	83
488.	18	84
489.	18	85
490.	19	1
491.	19	2
492.	19	3
493.	19	4
494.	19	5
495.	19	6
496.	19	7
497.	19	8
498.	19	9
499.	19	78
500.	19	79
501.	19	80
502.	19	82
503.	19	83
504.	19	84
505.	19	85
506.	19	86

COUNT ROW COL

507.	20	1
508.	20	2
509.	20	3
510.	20	4
511.	20	5
512.	20	6
513.	20	7
514.	20	8
515.	20	9
516.	20	77
517.	20	78
518.	20	79
519.	20	80
520.	20	81
521.	20	82
522.	20	83
523.	20	84
524.	20	85
525.	21	1
526.	21	2
527.	21	3
528.	21	4
529.	21	5
530.	21	6
531.	21	7
532.	21	8
533.	21	9
534.	21	82
535.	21	83
536.	21	84
537.	21	86
538.	21	87
539.	21	88
540.	21	89
541.	21	90
542.	22	1
543.	22	2
544.	22	3
545.	22	4
546.	22	5
547.	22	6
548.	22	7
549.	22	8
550.	22	9
551.	22	85
552.	22	86

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

553.	22	88
554.	22	89
555.	22	90
556.	22	91
557.	22	92
558.	23	1
559.	23	2
560.	23	3
561.	23	4
562.	23	5
563.	23	6
564.	23	7
565.	23	8
566.	23	87
567.	23	89
568.	23	90
569.	23	91
570.	23	92
571.	23	93
572.	24	1
573.	24	2
574.	24	3
575.	24	4
576.	24	5
577.	24	6
578.	24	7
579.	24	8
580.	24	88
581.	24	90
582.	24	91
583.	24	92
584.	24	93
585.	24	94
586.	25	1
587.	25	2
588.	25	3
589.	25	4
590.	25	5
591.	25	6
592.	25	7
593.	25	8
594.	25	91
595.	25	92
596.	25	93
597.	25	94
598.	25	95

COUNT ROW COL

599.	25	96
600.	25	97
601.	25	98
602.	26	1
603.	26	2
604.	26	3
605.	26	4
606.	26	5
607.	26	6
608.	26	7
609.	26	8
610.	26	92
611.	26	93
612.	26	94
613.	26	95
614.	26	96
615.	26	97
616.	26	98
617.	26	99
618.	27	1
619.	27	2
620.	27	3
621.	27	4
622.	27	6
623.	27	7
624.	27	8
625.	27	93
626.	27	94
627.	27	95
628.	27	96
629.	27	97
630.	27	98
631.	27	99
632.	27	100
633.	28	1
634.	28	2
635.	28	3
636.	28	4
637.	28	5
638.	28	6
639.	28	7
640.	28	95
641.	28	96
642.	28	97
643.	28	98
644.	28	99

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

645.	28	100
646.	28	101
647.	29	1
648.	29	2
649.	29	3
650.	29	4
651.	29	5
652.	29	6
653.	29	7
654.	29	8
655.	29	97
656.	29	98
657.	29	99
658.	29	100
659.	29	101
660.	29	102
661.	29	103
662.	29	104
663.	30	1
664.	30	2
665.	30	3
666.	30	4
667.	30	5
668.	30	6
669.	30	7
670.	30	98
671.	30	99
672.	30	100
673.	30	101
674.	30	102
675.	30	103
676.	30	104
677.	31	1
678.	31	2
679.	31	3
680.	31	4
681.	31	5
682.	31	6
683.	31	7
684.	31	100
685.	31	101
686.	31	102
687.	31	103
688.	31	104
689.	31	105
690.	31	106

COUNT ROW COL

691.	32	1
692.	32	2
693.	32	3
694.	32	4
695.	32	6
696.	32	7
697.	32	101
698.	32	102
699.	32	104
700.	32	105
701.	32	106
702.	32	107
703.	33	1
704.	33	3
705.	33	5
706.	33	6
707.	33	7
708.	33	102
709.	33	103
710.	33	104
711.	33	105
712.	33	107
713.	33	108
714.	34	1
715.	34	2
716.	34	3
717.	34	4
718.	34	5
719.	34	6
720.	34	7
721.	34	101
722.	34	102
723.	34	103
724.	34	104
725.	34	106
726.	34	107
727.	35	1
728.	35	2
729.	35	3
730.	35	4
731.	35	5
732.	35	6
733.	35	7
734.	35	102
735.	35	103
736.	35	104

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

737. 35 105
738. 35 106
739. 35 107
740. 36 1
741. 36 2
742. 36 3
743. 36 4
744. 36 6
745. 36 7
746. 36 106
747. 36 107
748. 36 108
749. 36 110
750. 36 111
751. 36 112
752. 36 113
753. 37 1
754. 37 2
755. 37 3
756. 37 4
757. 37 5
758. 37 6
759. 37 110
760. 37 111
761. 37 112
762. 37 113
763. 37 114
764. 38 1
765. 38 2
766. 38 3
767. 38 4
768. 38 5
769. 38 6
770. 38 7
771. 38 109
772. 38 110
773. 38 111
774. 38 113
775. 38 114
776. 38 115
777. 39 1
778. 39 2
779. 39 3
780. 39 4
781. 39 5
782. 39 110

783. 39 111
784. 39 112
785. 39 113
786. 39 114
787. 39 115
788. 39 116
789. 40 1
790. 40 2
791. 40 3
792. 40 4
793. 40 6
794. 40 7
795. 40 111
796. 40 112
797. 40 113
798. 40 114
799. 40 115
800. 41 1
801. 41 2
802. 41 3
803. 41 4
804. 41 5
805. 41 6
806. 41 111
807. 41 112
808. 41 113
809. 41 114
810. 41 115
811. 42 1
812. 42 2
813. 42 3
814. 42 4
815. 42 6
816. 42 112
817. 42 113
818. 42 114
819. 42 115
820. 42 116
821. 42 117
822. 43 1
823. 43 2
824. 43 3
825. 43 4
826. 43 5
827. 43 6
828. 43 113

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

829.	43	114
830.	43	116
831.	43	117
832.	43	118
833.	44	1
834.	44	2
835.	44	3
836.	44	4
837.	44	5
838.	44	6
839.	44	114
840.	44	115
841.	44	116
842.	44	117
843.	44	118
844.	44	119
845.	45	1
846.	45	2
847.	45	3
848.	45	5
849.	45	6
850.	45	116
851.	45	117
852.	45	118
853.	45	119
854.	45	120
855.	46	1
856.	46	2
857.	46	3
858.	46	4
859.	46	5
860.	46	114
861.	46	115
862.	46	116
863.	46	117
864.	46	118
865.	47	1
866.	47	2
867.	47	4
868.	47	5
869.	47	6
870.	47	7
871.	47	116
872.	47	117
873.	47	118
874.	47	119

COUNT ROW COL

875.	47	120
876.	47	121
877.	47	122
878.	48	1
879.	48	2
880.	48	3
881.	48	4
882.	48	5
883.	48	6
884.	48	117
885.	48	118
886.	48	119
887.	48	121
888.	48	122
889.	49	1
890.	49	2
891.	49	3
892.	49	4
893.	49	5
894.	49	118
895.	49	119
896.	49	120
897.	49	121
898.	49	122
899.	49	123
900.	49	124
901.	50	1
902.	50	3
903.	50	4
904.	50	5
905.	50	6
906.	50	118
907.	50	119
908.	50	120
909.	50	121
910.	50	122
911.	50	123
912.	51	1
913.	51	2
914.	51	3
915.	51	4
916.	51	5
917.	51	6
918.	51	119
919.	51	120
920.	51	121

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

921.	51	122
922.	51	123
923.	51	124
924.	52	1
925.	52	2
926.	52	4
927.	52	5
928.	52	6
929.	52	120
930.	52	121
931.	52	123
932.	52	124
933.	52	125
934.	53	1
935.	53	2
936.	53	3
937.	53	4
938.	53	5
939.	53	6
940.	53	121
941.	53	122
942.	53	125
943.	53	126
944.	54	1
945.	54	2
946.	54	3
947.	54	4
948.	54	5
949.	54	6
950.	54	7
951.	54	121
952.	54	126
953.	55	2
954.	55	3
955.	55	4
956.	55	5
957.	55	6
958.	55	121
959.	55	123
960.	55	124
961.	55	125
962.	55	126
963.	56	1
964.	56	2
965.	56	3
966.	56	4

COUNT ROW COL

967.	56	122
968.	56	123
969.	56	126
970.	56	127
971.	57	1
972.	57	2
973.	57	3
974.	57	4
975.	57	5
976.	57	6
977.	57	123
978.	57	127
979.	58	1
980.	58	2
981.	58	3
982.	58	4
983.	58	5
984.	58	6
985.	58	7
986.	58	123
987.	58	124
988.	58	125
989.	58	126
990.	58	127
991.	58	128
992.	58	129
993.	59	1
994.	59	2
995.	59	3
996.	59	4
997.	59	5
998.	59	6
999.	59	119
1000.	59	120
1001.	59	121
1002.	59	122
1003.	59	124
1004.	60	3
1005.	60	4
1006.	60	5
1007.	60	124
1008.	60	125
1009.	60	126
1010.	60	127
1011.	60	128
1012.	60	129

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

1013. 61 3
1014. 61 4
1015. 61 5
1016. 61 6
1017. 61 121
1018. 61 122
1019. 61 124
1020. 61 125
1021. 61 126
1022. 62 2
1023. 62 3
1024. 62 4
1025. 62 5
1026. 62 6
1027. 62 124
1028. 62 125
1029. 62 126
1030. 62 127
1031. 62 128
1032. 62 129
1033. 63 3
1034. 63 4
1035. 63 5
1036. 63 125
1037. 63 126
1038. 63 127
1039. 63 128
1040. 63 130
1041. 64 6
1042. 64 124
1043. 64 125
1044. 65 5
1045. 65 6
1046. 65 126
1047. 65 127
1048. 65 129
1049. 65 130
1050. 66 6
1051. 66 126
1052. 66 128
1053. 66 129
1054. 66 130
1055. 66 131
1056. 67 125
1057. 67 126
1058. 67 127

1059. 67 128
1060. 67 129
1061. 67 130
1062. 68 126
1063. 68 127
1064. 68 129
1065. 68 131
1066. 69 127
1067. 69 128
1068. 69 130
1069. 69 131
1070. 70 127
1071. 70 128
1072. 70 129
1073. 70 131
1074. 71 126
1075. 71 128
1076. 71 131
1077. 72 125
1078. 72 127
1079. 72 129
1080. 72 130
1081. 73 125
1082. 73 126
1083. 73 127
1084. 73 128
1085. 73 129
1086. 73 130
1087. 74 120
1088. 74 121
1089. 74 122
1090. 74 123
1091. 74 124
1092. 74 125
1093. 75 121
1094. 75 122
1095. 75 123
1096. 75 124
1097. 75 126
1098. 76 120
1099. 76 121
1100. 76 122
1101. 76 123
1102. 77 121
1103. 77 122
1104. 77 123

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

1105.	77	124
1106.	77	126
1107.	78	121
1108.	78	122
1109.	78	123
1110.	78	124
1111.	78	126
1112.	79	125
1113.	79	126
1114.	79	127
1115.	79	128
1116.	79	129
1117.	79	130
1118.	80	126
1119.	80	128
1120.	80	129
1121.	80	130
1122.	80	131
1123.	81	124
1124.	81	126
1125.	81	127
1126.	81	128
1127.	81	129
1128.	81	130
1129.	81	131
1130.	82	126
1131.	82	127
1132.	82	128
1133.	82	130
1134.	83	127
1135.	83	128
1136.	83	129
1137.	83	130
1138.	83	131
1139.	83	132
1140.	84	127
1141.	84	129
1142.	84	130
1143.	84	131
1144.	85	125
1145.	85	126
1146.	85	127
1147.	85	128
1148.	85	129
1149.	85	130
1150.	86	127

COUNT ROW COL

1151.	86	128
1152.	86	129
1153.	86	130
1154.	87	6
1155.	87	125
1156.	87	126
1157.	87	127
1158.	87	128
1159.	87	129
1160.	87	130
1161.	88	5
1162.	88	6
1163.	88	124
1164.	88	125
1165.	88	127
1166.	88	129
1167.	89	3
1168.	89	4
1169.	89	5
1170.	89	6
1171.	89	125
1172.	89	126
1173.	89	128
1174.	89	129
1175.	89	130
1176.	90	2
1177.	90	4
1178.	90	5
1179.	90	6
1180.	90	124
1181.	90	125
1182.	90	126
1183.	90	127
1184.	90	128
1185.	90	129
1186.	91	1
1187.	91	2
1188.	91	3
1189.	91	4
1190.	91	5
1191.	91	6
1192.	91	121
1193.	91	122
1194.	91	123
1195.	91	124
1196.	91	125

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

1197.	91	126
1198.	92	1
1199.	92	2
1200.	92	3
1201.	92	4
1202.	92	5
1203.	92	6
1204.	92	124
1205.	92	125
1206.	92	126
1207.	92	127
1208.	92	128
1209.	92	129
1210.	93	1
1211.	93	2
1212.	93	3
1213.	93	5
1214.	93	6
1215.	93	119
1216.	93	120
1217.	93	121
1218.	93	122
1219.	93	123
1220.	94	3
1221.	94	5
1222.	94	6
1223.	94	7
1224.	94	123
1225.	94	124
1226.	94	125
1227.	94	126
1228.	94	127
1229.	94	128
1230.	95	1
1231.	95	2
1232.	95	3
1233.	95	4
1234.	95	5
1235.	95	6
1236.	95	123
1237.	95	124
1238.	95	125
1239.	95	126
1240.	95	127
1241.	95	128
1242.	96	1

COUNT ROW COL

1243.	96	2
1244.	96	3
1245.	96	4
1246.	96	122
1247.	96	123
1248.	96	124
1249.	96	125
1250.	96	126
1251.	96	127
1252.	97	1
1253.	97	2
1254.	97	3
1255.	97	4
1256.	97	5
1257.	97	6
1258.	97	121
1259.	97	122
1260.	97	123
1261.	97	124
1262.	97	125
1263.	97	126
1264.	98	1
1265.	98	2
1266.	98	3
1267.	98	4
1268.	98	5
1269.	98	6
1270.	98	7
1271.	98	121
1272.	98	122
1273.	98	123
1274.	98	124
1275.	98	125
1276.	98	126
1277.	98	127
1278.	99	1
1279.	99	2
1280.	99	3
1281.	99	5
1282.	99	6
1283.	99	121
1284.	99	122
1285.	99	124
1286.	99	125
1287.	99	126
1288.	100	1

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

1289.	100	2
1290.	100	3
1291.	100	4
1292.	100	5
1293.	100	6
1294.	100	120
1295.	100	121
1296.	100	122
1297.	100	123
1298.	100	124
1299.	100	125
1300.	101	1
1301.	101	2
1302.	101	3
1303.	101	4
1304.	101	5
1305.	101	6
1306.	101	119
1307.	101	120
1308.	101	121
1309.	101	122
1310.	101	124
1311.	102	1
1312.	102	2
1313.	102	3
1314.	102	4
1315.	102	5
1316.	102	6
1317.	102	118
1318.	102	119
1319.	102	120
1320.	102	121
1321.	102	122
1322.	102	123
1323.	103	1
1324.	103	2
1325.	103	3
1326.	103	4
1327.	103	5
1328.	103	6
1329.	103	7
1330.	103	118
1331.	103	119
1332.	103	120
1333.	103	121
1334.	103	122

COUNT ROW COL

1335.	103	124
1336.	104	1
1337.	104	2
1338.	104	3
1339.	104	5
1340.	104	6
1341.	104	7
1342.	104	117
1343.	104	118
1344.	104	119
1345.	104	120
1346.	104	121
1347.	104	123
1348.	105	1
1349.	105	2
1350.	105	3
1351.	105	4
1352.	105	5
1353.	105	6
1354.	105	7
1355.	105	116
1356.	105	117
1357.	105	118
1358.	105	119
1359.	105	120
1360.	105	121
1361.	105	122
1362.	106	1
1363.	106	2
1364.	106	3
1365.	106	4
1366.	106	6
1367.	106	114
1368.	106	115
1369.	106	116
1370.	106	117
1371.	106	118
1372.	106	119
1373.	107	1
1374.	107	2
1375.	107	3
1376.	107	4
1377.	107	5
1378.	107	6
1379.	107	115
1380.	107	116

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COUNT ROW COL

COUNT ROW COL

1381. 107 117
1382. 107 118
1383. 107 119
1384. 107 120
1385. 108 1
1386. 108 2
1387. 108 3
1388. 108 4
1389. 108 5
1390. 108 6
1391. 108 114
1392. 108 115
1393. 108 116
1394. 108 117
1395. 108 118
1396. 108 119
1397. 109 1
1398. 109 2
1399. 109 3
1400. 109 4
1401. 109 5
1402. 109 6
1403. 109 113
1404. 109 114
1405. 109 115
1406. 109 116
1407. 109 117
1408. 109 118
1409. 110 1
1410. 110 2
1411. 110 3
1412. 110 4
1413. 110 5
1414. 110 6
1415. 110 112
1416. 110 113
1417. 110 114
1418. 110 115
1419. 110 116
1420. 110 117
1421. 111 1
1422. 111 2
1423. 111 3
1424. 111 4
1425. 111 5
1426. 111 6

1427. 111 111
1428. 111 112
1429. 111 113
1430. 111 114
1431. 111 115
1432. 111 116
1433. 112 1
1434. 112 4
1435. 112 5
1436. 112 7
1437. 112 111
1438. 112 112
1439. 112 113
1440. 112 114
1441. 112 115
1442. 112 116
1443. 113 1
1444. 113 3
1445. 113 4
1446. 113 5
1447. 113 6
1448. 113 7
1449. 113 110
1450. 113 111
1451. 113 112
1452. 113 113
1453. 113 114
1454. 113 115
1455. 114 1
1456. 114 2
1457. 114 3
1458. 114 4
1459. 114 5
1460. 114 6
1461. 114 7
1462. 114 109
1463. 114 110
1464. 114 111
1465. 114 112
1466. 114 113
1467. 114 114
1468. 114 115
1469. 115 1
1470. 115 2
1471. 115 3
1472. 115 4

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

1473. 115 5
1474. 115 6
1475. 115 7
1476. 115 108
1477. 115 109
1478. 115 110
1479. 115 111
1480. 115 112
1481. 115 113
1482. 116 1
1483. 116 2
1484. 116 3
1485. 116 4
1486. 116 5
1487. 116 6
1488. 116 7
1489. 116 106
1490. 116 107
1491. 116 108
1492. 116 109
1493. 116 110
1494. 116 111
1495. 116 112
1496. 117 1
1497. 117 2
1498. 117 3
1499. 117 4
1500. 117 102
1501. 117 103
1502. 117 104
1503. 117 105
1504. 117 106
1505. 118 1
1506. 118 2
1507. 118 3
1508. 118 4
1509. 118 5
1510. 118 6
1511. 118 7
1512. 118 101
1513. 118 102
1514. 118 103
1515. 118 104
1516. 118 105
1517. 118 106
1518. 118 107

1519. 119 1
1520. 119 2
1521. 119 3
1522. 119 4
1523. 119 5
1524. 119 6
1525. 119 7
1526. 119 102
1527. 119 103
1528. 119 104
1529. 119 105
1530. 119 106
1531. 119 107
1532. 119 108
1533. 120 1
1534. 120 2
1535. 120 3
1536. 120 4
1537. 120 5
1538. 120 6
1539. 120 7
1540. 120 101
1541. 120 102
1542. 120 103
1543. 120 104
1544. 120 105
1545. 120 106
1546. 120 107
1547. 121 1
1548. 121 2
1549. 121 3
1550. 121 4
1551. 121 5
1552. 121 6
1553. 121 7
1554. 121 100
1555. 121 101
1556. 121 102
1557. 121 103
1558. 121 104
1559. 121 105
1560. 121 106
1561. 122 1
1562. 122 2
1563. 122 3
1564. 122 4

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TUBES REROLLED - ATTACHMENT #5

COUNT	ROW	COL	COUNT	ROW	COL
1565.	122	5	1611.	125	93
1566.	122	6	1612.	125	94
1567.	122	8	1613.	125	95
1568.	122	98	1614.	125	96
1569.	122	99	1615.	125	97
1570.	122	100	1616.	125	98
1571.	122	101	1617.	125	99
1572.	122	102	1618.	125	100
1573.	122	103	1619.	126	1
1574.	122	104	1620.	126	2
1575.	122	105	1621.	126	3
1576.	123	1	1622.	126	4
1577.	123	2	1623.	126	5
1578.	123	3	1624.	126	6
1579.	123	4	1625.	126	7
1580.	123	5	1626.	126	8
1581.	123	6	1627.	126	92
1582.	123	8	1628.	126	93
1583.	123	97	1629.	126	94
1584.	123	98	1630.	126	95
1585.	123	99	1631.	126	96
1586.	123	100	1632.	126	97
1587.	123	101	1633.	126	98
1588.	123	102	1634.	126	99
1589.	123	103	1635.	127	1
1590.	123	104	1636.	127	3
1591.	124	1	1637.	127	4
1592.	124	3	1638.	127	5
1593.	124	4	1639.	127	6
1594.	124	6	1640.	127	7
1595.	124	7	1641.	127	8
1596.	124	95	1642.	127	91
1597.	124	96	1643.	127	92
1598.	124	97	1644.	127	93
1599.	124	98	1645.	127	94
1600.	124	99	1646.	127	95
1601.	124	100	1647.	127	96
1602.	124	101	1648.	127	97
1603.	125	1	1649.	127	98
1604.	125	2	1650.	128	2
1605.	125	3	1651.	128	3
1606.	125	4	1652.	128	4
1607.	125	5	1653.	128	5
1608.	125	6	1654.	128	6
1609.	125	7	1655.	128	7
1610.	125	8	1656.	128	8

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COUNT ROW COL

COUNT ROW COL

1657. 128 88
 1658. 128 89
 1659. 128 90
 1660. 128 91
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 1699. 131 7
 1700. 131 8
 1701. 131 9
 1702. 131 82

1703. 131 83
 1704. 131 84
 1705. 131 85
 1706. 131 86
 1707. 131 87
 1708. 131 89
 1709. 132 1
 1710. 132 2
 1711. 132 3
 1712. 132 4
 1713. 132 5
 1714. 132 6
 1715. 132 7
 1716. 132 8
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 1719. 132 78
 1720. 132 79
 1721. 132 80
 1722. 132 81
 1723. 132 84
 1724. 132 85
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 1726. 133 2
 1727. 133 3
 1728. 133 5
 1729. 133 6
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 1731. 133 8
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 1734. 133 79
 1735. 133 80
 1736. 133 81
 1737. 133 82
 1738. 133 83
 1739. 133 85
 1740. 133 86
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 1742. 134 2
 1743. 134 3
 1744. 134 4
 1745. 134 5
 1746. 134 6
 1747. 134 7
 1748. 134 8

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

1749.	134	9
1750.	134	10
1751.	134	76
1752.	134	77
1753.	134	79
1754.	134	80
1755.	134	81
1756.	134	82
1757.	134	83
1758.	134	84
1759.	134	85
1760.	135	1
1761.	135	2
1762.	135	3
1763.	135	4
1764.	135	8
1765.	135	9
1766.	135	10
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1769.	135	75
1770.	135	76
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1773.	135	80
1774.	135	81
1775.	135	82
1776.	136	1
1777.	136	2
1778.	136	3
1779.	136	4
1780.	136	5
1781.	136	6
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1783.	136	8
1784.	136	9
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1788.	136	74
1789.	136	75
1790.	136	76
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1792.	136	78
1793.	136	79
1794.	136	80

COUNT ROW COL

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1797.	137	2
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1800.	137	7
1801.	137	8
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1803.	137	11
1804.	137	68
1805.	137	71
1806.	137	72
1807.	137	74
1808.	137	75
1809.	137	76
1810.	137	77
1811.	137	78
1812.	138	1
1813.	138	3
1814.	138	4
1815.	138	6
1816.	138	7
1817.	138	8
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1819.	138	10
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1824.	138	69
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1827.	138	72
1828.	138	73
1829.	138	74
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1832.	139	2
1833.	139	3
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1839.	139	9
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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

1841.	139	11
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1844.	139	64
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1853.	139	73
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1885.	141	8
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COUNT ROW COL

1887.	141	10
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1889.	141	12
1890.	141	13
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1892.	141	57
1893.	141	58
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1914.	142	13
1915.	142	14
1916.	142	52
1917.	142	53
1918.	142	54
1919.	142	55
1920.	142	56
1921.	142	57
1922.	142	58
1923.	142	59
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1928.	142	64
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1930.	143	1
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1932.	143	3

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

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2019. 145 39
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2021. 145 41
2022. 145 42
2023. 145 44
2024. 145 45

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

COUNT ROW COL

2025. 145 46
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2111. 147 34
2112. 147 35
2113. 147 36
2114. 147 40
2115. 147 41
2116. 147 42

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TUBES REROLLED - ATTACHMENT #5

COUNT ROW COL

2117.	147	43
2118.	147	44
2119.	147	45
2120.	147	46
2121.	148	1
2122.	148	2
2123.	148	3
2124.	148	4
2125.	148	5
2126.	148	6
2127.	148	7
2128.	148	8
2129.	148	9
2130.	148	10
2131.	148	11
2132.	148	12
2133.	148	13
2134.	148	14
2135.	148	15
2136.	148	16
2137.	148	17
2138.	148	18
2139.	148	19
2140.	148	20
2141.	148	21
2142.	148	22
2143.	148	23
2144.	148	24
2145.	148	25
2146.	148	26
2147.	148	27
2148.	148	28
2149.	148	29
2150.	148	30
2151.	148	31
2152.	148	32
2153.	148	33
2154.	148	34
2155.	148	35
2156.	148	36
2157.	148	37
2158.	148	38
2159.	148	39
2160.	148	41
2161.	149	1
2162.	149	2

COUNT ROW COL

2163.	149	3
2164.	149	4
2165.	149	5
2166.	149	6
2167.	149	7
2168.	149	8
2169.	149	9
2170.	149	10
2171.	149	11
2172.	149	12
2173.	149	13
2174.	149	14
2175.	149	15
2176.	149	16
2177.	149	17
2178.	149	19
2179.	149	20
2180.	149	21
2181.	149	23
2182.	149	24
2183.	149	25
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2186.	149	28
2187.	149	29
2188.	149	30
2189.	149	32
2190.	149	33
2191.	149	34
2192.	150	1
2193.	150	2
2194.	150	3
2195.	150	4
2196.	150	5
2197.	150	6
2198.	150	7
2199.	150	8
2200.	150	9
2201.	150	10
2202.	150	11
2203.	150	12
2204.	150	13
2205.	150	14
2206.	150	15
2207.	150	16
2208.	150	17

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TUBES REROLLED - ATTACHMENT #5
COUNT ROW COL

COUNT ROW COL

2209.	150	18
2210.	150	19
2211.	150	20
2212.	150	21
2213.	150	22
2214.	150	23
2215.	150	24
2216.	150	25
2217.	150	26
2218.	150	27
2219.	151	1
2220.	151	2
2221.	151	3
2222.	151	4
2223.	151	5
2224.	151	7
2225.	151	8
2226.	151	9
2227.	151	10
2228.	151	11
2229.	151	12
2230.	151	14
2231.	151	15
2232.	151	16

Total Data Items Found = 2232
Total Tubes Found = 2232

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TUBES REROLLED - ATTACHMENT #6
COUNT ROW COL

COUNT ROW COL

Total Data Items Found = 0
Total Tubes Found = 0

**Duke Power Company***A Duke Energy Company*

Oconee Nuclear Site

P.O. Box 1439

Seneca, SC 29679

W. R. McCollum, Jr.
Vice President

(864) 885-3107 OFFICE

(864) 885-3564 FAX

February 5, 1998

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Subject: Duke Energy Corporation
Oconee Nuclear Station, Unit 1
Docket No. 50-269
Forced Outage Steam Generator Inspection
Steam Generator Tube Plugging and Repair 30 Day Report

As required by Technical Specification 4.17.6 (a), the number of tubes plugged or repaired during the Steam Generator Inspection for the Unit 1 forced outage which began on December 28, 1997, is submitted.

The tables below identify the quantity of tubes removed from service by plugging. No tubes were repaired by sleeving in either steam generator. There were some tubes repaired by rerolling in the upper tubesheet.

<u>Steam Generator</u>	<u>Number of Tubes Plugged</u>
A	40
B	0

<u>Steam Generator</u>	<u>Number of Tubes Rerolled</u>
A	2232*
B	0

* 2192 of these tubes remained in service, 40 were plugged and are included in the total of 40 plugged tubes.

If there are any questions you may contact Michael Bailey at (864) 885-4390.

Very truly yours,

W. R. McCollum, Jr.
Site Vice President

440217 0173

NRC Document Control
February 5, 1998
Page 2

xc : Mr. L. A. Reyes
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission

Mr. M. A. Scott
Senior NRC Resident Inspector
Oconee Nuclear Station

Mr. Max Batavia
Bureau of Radiological Health
SC Dept. of Health & Environmental Control
2600 Bull St. Columbia, SC 29201

Mr. D. E. LaBarge, Project Manager
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555