

June 22, 2005

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Stop P1-137  
Washington, DC 20555-0001



Ladies and Gentlemen:

ULNRC-05163

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
2004 ANNUAL RADIOLOGICAL  
ENVIRONMENTAL OPERATING REPORT  
Reference: ULNRC-05141, dated April 19, 2005**

Please find enclosed a revision to the referenced 2004 Annual Radiological Environmental Operating Report for the Callaway Plant. This revision includes previously omitted REMP Direct Radiation data for stations 32a/33/52/60. The data is provided in the Attachment to this letter. This report is submitted in accordance with Section 5.6.2 of the Technical Specification and Appendix B to the Callaway Plant Operating License.

Very truly yours,

A handwritten signature in cursive script that reads "Keith D. Young".

Keith D. Young  
Manager, Regulatory Affairs

DJW/jdg

Attachment

JE25

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cc: U.S. Nuclear Regulatory Commission (Original and 1 copy)  
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Mr. Bruce S. Mallett  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-4005

Senior Resident Inspector  
Callaway Resident Office  
U.S. Nuclear Regulatory Commission  
8201 NRC Road  
Steedman, MO 65077

Mr. Jack N. Donohew (2 copies)  
Licensing Project Manager, Callaway Plant  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop 7E1  
Washington, DC 20555-2738

Manager, Electric Department  
Missouri Public Service Commission  
PO Box 360  
Jefferson City, MO 65102

Mr. Bob Oliveira  
ANI Account Engineer  
95 Glastonbury  
Glastonbury, CT 06033

Regional Administrator  
Department of Natural Resources  
Central Regional Office  
P.O. Box 176  
Jefferson City, MO 65102-0176

# Direct Radiation

**Table XVII**

(All results are the effect of natural background)

**Gamma Dose (mrem)**

	<u>QTR 1</u>	<u>QTR 2</u>	<u>QTR 3</u>	<u>QTR 4</u>		<u>QTR 1</u>	<u>QTR 2</u>	<u>QTR 3</u>	<u>QTR 4</u>	
1a	14.9	16.1	14.3	16.3	⋮	34	14.6	17.4	15.6	15.9
3	17.3	17.1	15.2	17.4	⋮	35	14.2	16.8	14.4	14.6
5	12.7	15.5	12.5	14.8	⋮	36	14.7	17.5	16.1	17.8
6	16.8	18.2	14.7	17.6	⋮	37	15.7	15.5	14.9	16.3
7	15.0	17.0	14.8	14.6	⋮	38	10.4	12.4	10.5	12.3
9	14.9	16.6	14.6	16.1	⋮	39	14.5	17.0	15.8	16.4
10	16.7	1	16.7	18.1	⋮	39a	17.2	18.0	16.1	16.8
11a	16.7	17.2	16.5	17.5	⋮	40	15.1	18.2	16.7	18.1
14	14.6	16.2	15.4	18.5	⋮	41	16.6	15.5	15.9	16.3
17	14.4	16.2	16.2	18.0	⋮	42	11.8	14.3	13.4	14.3
18a	15.2	17.4	16.3	18.3	⋮	43	15.5	16.6	14.9	16.0
20	14.9	16.0	17.3	19.3	⋮	44	17.1	15.8	16.2	17.7
21	17.0	17.1	16.1	18.1	⋮	45	14.3	16.5	14.2	15.6
22a	15.2	15.9	16.0	16.4	⋮	46	16.4	16.1	16.2	19.9
23	15.3	16.9	16.3	16.8	⋮	47	16.8	15.0	14.2	16.7
26	10.1	12.8	11.3	12.4	⋮	48	14.8	18.5	16.3	18.5
27	17.1	16.2	17.0	19.4	⋮	49	15.5	17.0	15.5	16.2
30a	16.1	15.4	15.3	15.4	⋮	50	15.6	16.5	15.0	17.4
31a	17.8	16.9	16.3	17.4	⋮	51a	15.5	19.2	15.7	17.9
32	17.0	16.4	16.4	17.5	⋮	52	14.4	17.6	16.4	17.3
32a	15.8	17.0	16.7	16.5		60	15.8	17.1	17.4	17.4
33	16.2	15.8	14.9	16.5						

<sup>1</sup> TLD and holder missing from assigned location. Installed 3rd Quarter TLD and new holder.