

June 22, 2005

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
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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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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						

¹ TLD and holder missing from assigned location. Installed 3rd Quarter TLD and new holder.