

July 25, 2006

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

Ladies and Gentlemen:

ULNRC-05316



DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
2005 ANNUAL RADIOLOGICAL  
ENVIRONMENTAL OPERATING REPORT  
Reference: ULNRC-05276, dated April 20, 2006

Please find enclosed a revision to the referenced 2005 Annual Radiological Environmental Operating Report for the Callaway Plant. This revision includes a previously omitted Airborne Pathway Indicator mean value for Gross Beta activity. 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 black ink that reads "Keith D. Young".

Keith D. Young  
Manager, Regulatory Affairs

DJW/jdg

Attachment

IE25

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cc: U.S. Nuclear Regulatory Commission (Original and 1 copy)  
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Table VI

## REMP Summary

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analysis Performed	Lower Limit of Detection (LLD) <sup>1</sup>	All Indicator Locations Mean (f) <sup>2</sup> Range	Location With Highest Annual Mean		Control Location Mean (f) <sup>2</sup> Range	Number of Non-routine Reported Measurements
				Name Distance and Direction	Mean (f) <sup>2</sup> Range		
<b><u>Direct Radiation</u></b>							
Quarterly TLDs (mRem/Standard Quarter)	Gamma (170) Dose	—	16.2 (158/160) (11.1 - 19.3)	20 4.7 mi. NE	17.7 (4/4) (15.6 - 18.4)	14.9 (12/12) (10.1 - 19.0)	0
<b><u>Airborne Pathway</u></b>							
Airborne Particulate (pCi/m <sup>3</sup> )	Gross (255)	0.010	0.024 (255/260) (0.005-0.052)	B -3 1.8 mi. NNW	0.026 (51/52) (0.008 - 0.052)	—	0
	Beta						
	I-131 (255)	0.070	< LLD	—	< LLD	—	0
	Cs-134 (24)	0.050	< LLD	—	< LLD	—	0
	Cs-137 (24)	0.060	< LLD	—	< LLD	—	0