

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

JE25

ULNRC-05316

July 25, 2006

Page 2

cc: U.S. Nuclear Regulatory Commission (Original and 1 copy)
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Washington, DC 20555-0001

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

Missouri Public Service Commission
Governor Office Building
200 Madison Street
PO Box 360
Jefferson City, MO 65102-0360

Mr. Edward Everett
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

bcc: C. D. Naslund (w/o)
A. C. Heflin (w/o)
K. D. Young (w/o)
G. A. Hughes (w/a)
D. E. Shafer (w/a) (470)
S. L. Gallagher (w/o) (100)
L. M. Belsky (w/a) (NSRB)
K. A. Mills (w/a)

H. A. Osborn (w/a)
D J. Walker (w/a)
A160.0761 (w/a)

Certrec Corporation
4200 South Hulen, Suite 630
Fort Worth, TX 76109

(Certrec receives ALL attachments as long as they are non-safeguards and public disclosed).

The following are sent without attachments:

Ms. Diane M. Hooper Supervisor, Licensing WCNO P.O. Box 411 Burlington, KS 66839	Mr. Dennis Buschbaum TXU Power Comanche Peak SES P.O. Box 1002 Glen Rose, TX 76043
Mr. Scott Bauer Regulatory Affairs Palo Verde NGS P.O. Box 52034, Mail Station 7636 Phoenix, AZ 85072-2034	Mr. Stan Ketelsen Manager, Regulatory Services Pacific Gas & Electric Mail Stop 104/5/536 P.O. Box 56 Avila Beach, CA 93424
Mr. Scott Head Supervisor, Licensing South Texas Project NOC Mail Code N5014 P.O. Box 289 Wadsworth, TX 77483	Mr. John O'Neill Shaw, Pittman 2300 N. Street N.W. Washington, DC 20037

Table VI

REMP Summary

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analysis Performed	Lower Limit of Detection (LLD) ¹	All Indicator Locations Mean (f) ² Range	Location With Highest Annual Mean		Control Location Mean (f) ² Range	Number of Non-routine Reported Measurements
				Name Distance and Direction	Mean (f) ² Range		
<u>Direct Radiation</u>							
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
<u>Airborne Pathway</u>							
Airborne Particulate (pCi/m ³)	Gross (255) Beta	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
	I-131 (255)	0.070	< LLD	—	< LLD	—	0
	Cs-134 (24)	0.050	< LLD	—	< LLD	—	0
	Cs-137 (24)	0.060	< LLD	—	< LLD	—	0