

UNION ELECTRIC COMPANY

1901 GRATIOT STREET  
ST. LOUIS, MISSOURI

DONALD F. SCHNELL  
VICE PRESIDENT

April 17, 1984

MAILING ADDRESS:  
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ST. LOUIS, MISSOURI 63166

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Denton:

ULNRC- 803

DOCKET NUMBER 50-483  
CALLAWAY PLANT, UNIT 1  
OFFSITE DOSE CALCULATION MANUAL, REV. 2 ERRATA


Reference: ULNRC-760 dated March 8, 1984

The referenced letter transmitted Revision 2 of the Callaway Offsite Dose Calculation Manual (ODCM). As a result of a phone call between Mr. Ed Branagan (NR) and Mr. D. Shafer (UE) on April 16, 1984, the following additional information is submitted:

- 1) Errata to Callaway ODCM, Revision 2.
- 2) Change page 73 and Figure 5.1B indicating monitoring station A-9 is the "community of Reform" and adding station B-3.
- 3) "Comparison of Callaway Plant Offsite Dose Calculations for Routine Effluents" performed by Bechtel Power Corporation dated 3/22/84.

The corrections and additions from items 1 and 2 will be made in the initial Semi-Annual Radioactive Effluent Release Report.

Very truly yours,



for Donald F. Schnell

DS/lw

cc: J. Holonich w/a  
E. Branagan w/a

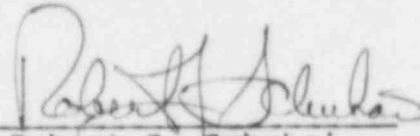
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STATE OF MISSOURI )  
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CITY OF ST. LOUIS )

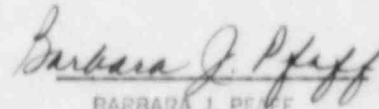
Robert J. Schukai, of lawful age, being first duly sworn upon oath says that he is General Manager-Engineering (Nuclear) for Union Electric Company; that he has read the foregoing document and knows the content thereof; that he has executed the same for and on behalf of said company with full power and authority to do so; and that the facts therein stated are true and correct to the best of his knowledge, information and belief.

By



Robert J. Schukai  
General Manager-Engineering  
Nuclear

SUBSCRIBED and sworn to before me this 17<sup>th</sup> day of April, 1984.



BARBARA J. PFEIFF  
NOTARY PUBLIC, STATE OF MISSOURI  
MY COMMISSION EXPIRES APRIL 22, 1985  
ST. LOUIS COUNTY

cc: Glenn L. Koester  
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Errata to Callaway ODCM Revision 2

<u>Page</u>	<u>Column</u>	<u>Line</u>	<u>Change</u>
51	NUCLIDE	6	Change "Mu" to "Mn"
51	NUCLIDE	7	Change "Mu" to "Mn"
51	NUCLIDE	8	Change "fe" to "Fe"
51	NUCLIDE	9	Change "fe" to "Fe"
51	NUCLIDE	16	Change "Zn-60" to "Zn-69"
51	NUCLIDE	17	Change "BR" to "Br"
51	NUCLIDE	18	Change "BR" to "Br"
51	NUCLIDE	22	Change "RB" to "Rb"
51	NUCLIDE	25	Change "SR" to "Sr"
52	NUCLIDE	13	Change "Rn" to "Ru"
52	NUCLIDE	14	Change "Rn" to "Ru"
53	NUCLIDE	7	Change "Cs-134" to "Cs-136"
54	LIVER	4	Change "4.37E10" to "4.37E9"
55	NUCLIDE	13	Change "Rn" to "Ru"
55	NUCLIDE	14	Change "Rn" to "Ru"
56	NUCLIDE	2	Change "I-131" to "I-132"
56	TOTAL BODY	2	Change "6.10E1" to "6.10E-1"
57	GI-LLI	16	Change "9.11E4" to "9.11E-4"
58	TOTAL BODY	25	Change "6.38ES" to "6.38E5"
58	GI-LLI	25	Change "5.79ES" to "5.79E5"
59	KIDNEY	5	Change "1.70ES" to "1.70E5"
91			Change units for columns labeled "X/Q - Decayed/Undepleted" and "X/Q - Decayed/Depleted" from "(m <sup>2</sup> /sec)" to "(sec/m <sup>3</sup> )".
92			Same change as on page 91.

Rev. 2

TABLE 6 (Continued)  
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

isotopic analysis<sup>d</sup>  
 on those samples  
 for which the gross  
 beta activity is > 10  
 times the yearly  
 mean of control  
 samples. Perform  
 gamma isotopic analysis<sup>d</sup>  
 on composite samples  
 (by location) at least  
 once per 92 days.

<u>Station Code</u>	<u>Sector</u>	<u>Site Description</u>	<u>Location</u>
A-1	D	Primary Meteorological Tower	1.3 mi. @ 76° ENE
A-8	B	County Road 448, 0.9 mi. South of Highway 0	.9 mi. @ 20° NNE
B-3	A	0.6 mile east of Highway 0 and CC Junction	1.9 mi. @ 355° N
		One sample from the community with the highest D/Q	
A-9	R	community of Reform	1.7 mi. @ 336° NNW
		One sample from a control location, as for example 15-30 km distant and in the least prevalent wind direction.	
A-7	Q	C. Bartley Farm	9.5 mi. @ 312° NW

