



September 22, 2006

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant; Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Independent Spent Fuel Storage Installation, Docket No. 72-8
2005 Radioactive Effluent Release Report

REFERENCES: (a) Calvert Cliffs Unit Nos. 1 and 2 Technical Specification 5.6.3
(b) Calvert Cliffs Unit Nos. 1 and 2 Technical Specification 5.5.1
(c) Calvert Cliffs Independent Spent Fuel Storage Installation Technical Specification 6.3
(d) Letter from Mr. S. R. Sanders (CCNPP) to Document Control Desk (NRC), dated July 13, 2006, 2005 Radioactive Effluent Release Report

As required by References (a), (b) and (c), the 2005 Radioactive Effluent Release Report was submitted to the Nuclear Regulatory Commission by Reference (d). An error was discovered on page A-15, Table 2A Item A.1, where liquid radwaste was reported in units of millicuries instead of curies. A copy of page A-15 with corrections is enclosed. Please replace the affected page.

Should you have questions regarding this matter, please contact Mr. Jay S. Gaines at (410) 495-4922.

Very truly yours,

A handwritten signature in black ink, appearing to read "Steven R. Sanders", written over a circular stamp or seal.

Steven R. Sanders
General Supervisor - Chemistry

SRS/CAN/bjd

Enclosure: (1) Calvert Cliffs Nuclear Power Plant Effluent and Waste Disposal 2005 Annual Report, page A-15

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cc: P. D. Milano, NRC
R. I. McLean, DNR

(Without Enclosure)
S. J. Collins, NRC
Resident Inspector, NRC
K. N. Larson, ANI

ENCLOSURE (1)

**CALVERT CLIFFS NUCLEAR POWER PLANT
EFFLUENT AND WASTE DISPOSAL
2005 ANNUAL REPORT**

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APPENDIX A
CALVERT CLIFFS NUCLEAR POWER PLANT
EFFLUENT AND WASTE DISPOSAL 2005 ANNUAL REPORT

TABLE 2A - REG GUIDE 1.21
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNITS	1ST QUARTER	2ND QUARTER	EST. TOTAL ERROR, %
A. FISSION AND ACTIVATION PRODUCTS				
1. Total Release (not including tritium, gases, alpha)	Ci	9.02E-03	7.89E-02	±1.03E+01
2. Average diluted concentration during period	µCi/ml	3.38E-10	4.68E-09	
3. Percent of Tech. Spec. limit (1)	%	6.14E-03	9.74E-03	
4. Percent of Tech. Spec. limit (2)	%	3.07E-03	4.87E-03	
5. Percent of Tech. Spec. limit (3)	%	7.97E-03	4.87E-03	
6. Percent of Tech. Spec. limit (4)	%	3.98E-03	2.43E-03	
B. TRITIUM				
1. Total Release	Ci	2.67E+02	2.13E+02	±1.03E+01
2. Average diluted concentration during period	µCi/ml	4.92E-07	3.47E-07	
3. Percent of applicable limit (5)	%	1.64E-02	1.16E-02	
C. DISSOLVED AND ENTRAINED GASES				
1. Total Release	Ci	1.15E-01	2.03E-03	±1.03E+01
2. Average diluted concentration during period	µCi/ml	4.32E-09	1.21E-10	
3RD QUARTER				
	UNITS	3RD QUARTER	4TH QUARTER	EST. TOTAL ERROR, %
A. FISSION AND ACTIVATION PRODUCTS				
1. Total Release (not including tritium, gases, alpha)	Ci	1.93E-02	2.97E-03	±1.03E+01
2. Average diluted concentration during period	µCi/ml	1.18E-09	1.54E-10	
3. Percent of Tech. Spec. limit (1)	%	2.67E-03	6.41E-03	
4. Percent of Tech. Spec. limit (2)	%	1.34E-03	3.21E-03	
5. Percent of Tech. Spec. limit (3)	%	6.37E-03	1.25E-02	
6. Percent of Tech. Spec. limit (4)	%	3.18E-03	6.25E-03	
B. TRITIUM				
1. Total Release	Ci	2.24E+02	2.87E+02	±1.03E+01
2. Average diluted concentration during period	µCi/ml	2.17E-07	4.54E-07	
3. Percent of applicable limit (5)	%	7.23E-03	1.51E-02	
C. DISSOLVED AND ENTRAINED GASES				
1. Total Release	Ci	2.63E-03	2.17E-02	±1.03E+01
2. Average diluted concentration during period	µCi/ml	1.60E-10	1.12E-09	

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