

**Kevin J. Nietmann**  
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April 23, 2004

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  
Calvert Cliffs Independent Spent Fuel Storage Installation, Docket No. 72-8  
2003 Occupational Radiation Exposure Reports

Enclosed please find the Occupational Radiation Exposure Reports for 2003, as required by Units 1 and 2 Technical Specification 5.6.1 and Independent Spent Fuel Storage Installation Technical Specification 6.1. These reports contain the tabulation of the number of station, utility, and other personnel receiving exposures greater than 100 mrem for 2003 and their associated man-rem exposure according to work and job functions.

Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

A handwritten signature in black ink, appearing to read "K. Nietmann", written over a horizontal line.

KJN/CAN/bjd

Enclosures

cc: J. Petro, Esquire  
J. E. Silberg, Esquire  
Director, Project Directorate I-1, NRC  
G. S. Vissing, NRC

H. J. Miller, NRC  
Resident Inspector, NRC  
R. I. McLean, DNR

IES4

Work Code	Job Function Code	Station Employee		Utility Employee		Contractor/Other		Total	
		Personnel	Person-Rem	Personnel	Person-Rem	Personnel	Person-Rem	Personnel	Person-Rem
Radwaste Activities	Maintenance Personnel	1	0.157					1	0.157
	Operations Personnel								
	Health Physics Personnel	1	0.103					1	0.103
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****	2	0.260					2	0.260
Reactor Operations And Surveillance	Maintenance Personnel	1	0.183			2	0.358	3	0.541
	Operations Personnel	1	0.164					1	0.164
	Health Physics Personnel	17	4.440			35	7.683	52	12.123
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****	19	4.787			37	8.041	56	12.828
Refueling	Maintenance Personnel	48	13.949	6	2.862	120	37.343	174	54.154
	Operations Personnel	18	3.401	1	0.107	2	0.384	21	3.892
	Health Physics Personnel	4	0.837			5	0.749	9	1.586
	Supervisory Personnel	1	0.138			2	0.319	3	0.457
	Engineering Personnel	6	1.212			3	0.342	9	1.554
		**** Total ****	77	19.537	7	2.969	132	39.137	216
Routine Maintenance	Maintenance Personnel	1	0.123			5	0.686	6	0.809
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****	1	0.123			5	0.686	6	0.809
Inservice Inspection	Maintenance Personnel					15	3.865	15	3.865
	Operations Personnel					3	1.102	3	1.102
	Health Physics Personnel					4	0.998	4	0.998
	Supervisory Personnel					1	0.346	1	0.346
	Engineering Personnel					5	1.547	5	1.547
	**** Total ****					28	7.858	28	7.858
Special Maintenance	Maintenance Personnel	5	1.179	5	0.576	362	86.259	372	88.014
	Operations Personnel	1	0.236			9	1.697	10	1.933
	Health Physics Personnel	8	2.053			45	12.082	53	14.135
	Supervisory Personnel					52	9.796	52	9.796
	Engineering Personnel	1	0.169			34	6.349	35	6.518
		**** Total ****	15	3.637	5	0.576	502	116.183	522
TOTAL (Sum of 6 Work Functions > 100 mrem)									
	Maintenance Personnel	55	17.290	12	3.567	508	133.788	575	154.645
	Operations Personnel	34	6.928	1	0.124	16	3.478	51	10.530
	Health Physics Personnel	27	9.395			67	24.458	94	33.853
	Supervisory Personnel	2	0.295			55	10.641	57	10.936
	Engineering Personnel	11	1.957			43	8.659	54	10.616
	**** Grand Total ****	129	35.865	13	3.691	689	181.024	831	220.580

Calvert Cliffs  
 Unit Nos. 1 and 2  
 Station Activities

Work Code	Job Function Code	Station Employee		Utility Employee		Contractor/Other		Total	
		Personnel	Person-Rem	Personnel	Person-Rem	Personnel	Person-Rem	Personnel	Person-Rem
Radwaste Activities	Maintenance Personnel								
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****								
Reactor Operations And Surveillance	Maintenance Personnel								
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****								
Refueling	Maintenance Personnel								
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****								
Routine Maintenance	Maintenance Personnel								
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****								
Inservice Inspection	Maintenance Personnel								
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****								
Special Maintenance	Maintenance Personnel								
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****								
Iafsi	Maintenance Personnel			1	0.105			1	0.105
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Total ****			1	0.105			1	0.105
	TOTAL (Sum of 6 Work Functions > 100 mrem)								
	Maintenance Personnel			1	0.105			1	0.105
	Operations Personnel								
	Health Physics Personnel								
	Supervisory Personnel								
	Engineering Personnel								
	**** Grand Total ****			1	0.105			1	0.105

Calvert Cliffs  
 Independent Spent Fuel Storage Installation  
 Activities