

**Bryce L. Shriver**  
Senior Vice President and  
Chief Nuclear Officer

**PPL Susquehanna, LLC**  
769 Salem Boulevard  
Berwick, PA 18603  
Tel. 570.542.3120 Fax 570.542.1504  
blshriver@pplweb.com



APR 08 2004

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Station OP1-17  
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION  
ANNUAL PERSONNEL EXPOSURE REPORT  
PLA-5738**

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**Docket Nos. 50-387  
and 50-388**

In accordance with the Susquehanna SES Unit 1 and 2 Technical Specifications, Section 5.6.1, the attached annual personnel exposure report is provided for calendar year 2003 for SSES Units 1 and 2. The report includes only those individuals whose cumulative dose for calendar year 2003 was greater than 100 mrem. Please note that the dose reported accounts for approximately 78% of the total station dose because the number of individuals receiving greater than 100 mrem was insufficient to meet the 80% criteria specified in Reg. Guide 1.16.C.1.b.(3).

Also, in accordance with Regulation Guide 1.16, Special Maintenance is described as the performance of all plant modifications or changeouts of any plant equipment, piping, etc. that were not a part of the original plant.

Please contact Mr. Rocco R. Sgarro at (610) 774-7552 if you have any questions concerning this submittal.

Sincerely,

B. L. Shriver

Attachment

copy: NRC Region I  
Mr. R. V. Guzman, NRC Project Manager  
Mr. S. Hansell, NRC Sr. Resident Inspector  
Mr. R. Janati, DEP/BRP

IES6

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**Attachment 1 to PLA-5738**

**Annual Personnel Exposure Report for  
Calendar Year 2003**

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ANNUAL REG. GUIDE 1.16  
 NUMBER OF PERSONNEL AND PERSON-REM BY WORK CODE AND JOB (2003)

03/17/2004

Page 1 of 1

Work Code	Job Function Code	Station		Utility		Contractor		Total	
		Personnel	Person-Rem	Personnel	Person-Rem	Personnel	Person-Rem	Personnel	Person-Rem
Reactor Operations And Surv	Maintenance	5	0.895					5	0.895
	Operating	53	12.086					53	12.086
	Health Physics	22	6.351			15	3.457	37	9.808
	Supervisory	4	0.676					4	0.676
	Engineering								
	**** Total ****	84	20.008			15	3.457	99	23.465
Routine Maintenance	Maintenance	148	52.263			190	46.899	338	99.162
	Operating	24	7.291					24	7.291
	Health Physics	50	16.652			32	11.492	82	28.144
	Supervisory	3	0.429			6	1.346	9	1.775
	Engineering	1	0.151			6	1.501	7	1.652
	**** Total ****	226	76.786			234	61.238	460	138.024
In Service Inspection	Maintenance	12	2.800			11	2.695	23	5.495
	Operating								
	Health Physics								
	Supervisory								
	Engineering								
	**** Total ****	12	2.800			11	2.695	23	5.495
Special Maintenance	Maintenance	16	2.458					16	2.458
	Operating								
	Health Physics								
	Supervisory	1	0.111					1	0.111
	Engineering								
	**** Total ****	17	2.569					17	2.569
Waste Processing	Maintenance	1	0.554			6	2.283	7	2.837
	Operating					1	0.706	1	0.706
	Health Physics	2	0.675					2	0.675
	Supervisory								
	Engineering								
	**** Total ****	3	1.229			7	2.989	10	4.218
Refueling	Maintenance								
	Operating								
	Health Physics								
	Supervisory								
	Engineering								
	**** Total ****								
<b>TOTAL</b>									
	Maintenance	182	58.970			207	51.877	389	110.847
	Operating	77	19.377			1	0.706	78	20.083
	Health Physics	74	23.678			47	14.949	121	38.627
	Supervisory	8	1.216			6	1.346	14	2.562
	Engineering	1	0.151			6	1.501	7	1.652
	**** Grand Total ****	342	103.392			267	70.379	609	173.771