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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-5889**

**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 2004 for SSES Units 1 and 2. The report includes only those individuals whose cumulative dose for calendar year 2004 was greater than 100 mrem. Please note that the dose reported accounts for approximately 81% of the number of individuals receiving greater than 100 mrem and therefore meets the 80% criteria specified in Regulatory Guide 1.16.C.1.b.(3).

Also, in accordance with Regulatory 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. T. McKinney

Attachment

Copy: NRC Region I

Mr. A. J. Blamey, NRC Sr. Resident Inspector
Mr. R. V. Guzman, NRC Project Manager
Mr. R. Janati, DEP/BRP

IES6

Attachment 1 to PLA-5889
Annual Personnel Exposure Report for
Calendar Year 2004

ANNUAL REG. GUIDE 1.16
 NUMBER OF PERSONNEL AND PERSON-REM BY WORK CODE AND JOB I2004

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	3	0.484					3	0.484
	Operating	51	8.888					51	8.888
	Health Physics	24	6.306			17	3.271	41	9.577
	Supervisory	2	0.356					2	0.356
	Engineering								
	**** Total ****	80	16.034			17	3.271	97	19.305
Routine Maintenance	Maintenance	142	49.215			171	51.259	313	100.474
	Operating	18	7.489					18	7.489
	Health Physics	41	12.202			18	5.583	59	17.785
	Supervisory	1	0.212			3	0.671	4	0.883
	Engineering	5	0.819			10	4.437	15	5.256
	**** Total ****	207	69.937			202	61.950	409	131.887
In Service Inspection	Maintenance	13	5.120			55	22.346	68	27.466
	Operating								
	Health Physics					5	2.048	5	2.048
	Supervisory								
	Engineering					1	0.440	1	0.440
	**** Total ****	13	5.120			61	24.834	74	29.954
Special Maintenance	Maintenance	22	5.025			61	30.003	83	35.028
	Operating								
	Health Physics								
	Supervisory					6	2.857	6	2.857
	Engineering	1	0.240			1	0.287	2	0.527
	**** Total ****	23	5.265			68	33.147	91	38.412
Waste Processing	Maintenance	2	0.828					2	0.828
	Operating	1	0.314			1	0.391	2	0.705
	Health Physics	3	0.543					3	0.543
	Supervisory								
	Engineering								
	**** Total ****	6	1.685			1	0.391	7	2.076
Refueling	Maintenance								
	Operating								
	Health Physics								
	Supervisory								
	Engineering								
	**** Total ****								
TOTAL									
	Maintenance	182	60.672			287	103.608	469	164.280
	Operating	70	16.691			1	0.391	71	17.082
	Health Physics	68	19.051			40	10.902	108	29.953
	Supervisory	3	0.568			9	3.528	12	4.096
	Engineering	6	1.059			12	5.164	18	6.223
	**** Grand Total ****	329	98.041			349	123.593	678	221.634

***** All non-'Contractor' personnel are designated 'Station'. 'Utility' category is not used. *****

Attachment 1
 PLA-5889