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**Submitted pursuant
to 10CFR26.71(d)**

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

**SUSQUEHANNA STEAM ELECTRIC STATION
SEMI-ANNUAL PART 26 PERFORMANCE DATA REPORT
FOR JULY 1, 2006 to DECEMBER 31, 2006
PLA-6161**

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

Attached is the PPL Semi-Annual Fitness-For-Duty performance report for the period between July 1, 2006 and December 31, 2006. This report consolidates corporate and station data for Susquehanna SES, Unit 1 and 2.

Should you have any questions, please contact Mr. John E. Lines, Supervisor Site Access Services, at (570) 542-3801.

Sincerely,

B. T. McKinney

Attachment

Copy: Regional Administrator - Region I
Mr. R. V. Guzman, NRC Project Manager
Mr. R. Janati, DEP/BRP
Mr. C. R. Welch, NRC Sr. Resident Inspector

A021

**Fitness For Duty Program
Performance Data
Personnel Subject to 10CFR26**

PPL Susquehanna, LLC	December 31, 2006																								
Company	6 Months Ending																								
Susquehanna Steam Electric Station																									
Location																									
John E. Lines, Site Access Services Supervisor	(570) 542-3801																								
Contact	Phone (Include Area Code)																								
<p>Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10 CFR 26</p> <table style="width:100%; border:none;"> <tr> <td>Marijuana</td> <td style="text-align:center;">50</td> <td style="text-align:center;">/</td> <td style="text-align:center;">15</td> <td>Amphetamines</td> <td style="text-align:center;">1000</td> <td style="text-align:center;">/</td> <td style="text-align:center;">500</td> </tr> <tr> <td>Cocaine</td> <td style="text-align:center;">300</td> <td style="text-align:center;">/</td> <td style="text-align:center;">150</td> <td>Phencyclidine</td> <td style="text-align:center;">25</td> <td style="text-align:center;">/</td> <td style="text-align:center;">25</td> </tr> <tr> <td>Opiates</td> <td style="text-align:center;">300</td> <td style="text-align:center;">/</td> <td style="text-align:center;">300</td> <td>Alcohol (%BAC)</td> <td style="text-align:center;">0.04%</td> <td></td> <td></td> </tr> </table>		Marijuana	50	/	15	Amphetamines	1000	/	500	Cocaine	300	/	150	Phencyclidine	25	/	25	Opiates	300	/	300	Alcohol (%BAC)	0.04%		
Marijuana	50	/	15	Amphetamines	1000	/	500																		
Cocaine	300	/	150	Phencyclidine	25	/	25																		
Opiates	300	/	300	Alcohol (%BAC)	0.04%																				

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1456		N/A		346	
Categories		# Tested	# Positive NRC/PPL	# Tested	# Positive	# Tested	# Positive NRC/PPL
Pre-Access		150	1	N/A	N/A	552	4
For Cause	Post Accident	5	0	N/A	N/A	3	0
	Observed Behavior	1	0	N/A	N/A	0	0
Random		372	2	N/A	N/A	98	0
Follow-up		42	0	N/A	N/A	12	0
Other *		21	0	N/A	N/A	23	0
Total		591	3	N/A	N/A	688	4

* Other Category – Voided (Dilute) tests = 35 / Administrative tests = 9

**Fitness For Duty Program
Performance Data
Personnel Subject to 10CFR26**

**PPL Susquehanna, LLC
Susquehanna Steam Electric Station**

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test
Licensee Employees	1*	0	0	0	0	2***	0
Long-Term Contractors	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Short-Term Contractors	1	2	1**	0	0	0	0
Total	2*	2	1**	0	0	2***	0

- * One Licensee employee’s “pre-access” test was positive for marijuana based on a recollection for a dilute sample.
- ** One Non-Licensee employee’s “pre-access” test was positive for opiates based on a recollection for a dilute sample.
- *** One Licensee Supervisor Random Test was positive for Alcohol and reported per 10 CFR 26.73(2)(IV).

Nine Administrative tests were completed as an immediate compensatory measure following an NRC Inspection recommendation.
(As noted on first page)