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Submitted pursuant
to 10 CFR 26.71(d)

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

**SUSQUEHANNA STEAM ELECTRIC STATION
SEMI-ANNUAL PART 26 PERFORMANCE DATA REPORT
FOR JULY 1, 2008 to DECEMBER 31, 2008
PLA-6483**

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

Attached is the PPL Semi-Annual Fitness-For-Duty performance report for the period between July 1, 2008 and December 31, 2008. 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 Security Access and Training, at (570) 542-3801.

Sincerely,

A handwritten signature in black ink, appearing to read "W. H. Spence". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

W. H. Spence

Attachment

Copy: Regional Administrator - Region I
Mr. R. Janati, DEP/BRP
Mr. F. W. Jaxheimer, NRC Sr. Resident Inspector
Mr. B. K. Vaidya, NRC Project Manager

A021
NRR

Attachment 1 to PLA-6483

Fitness For Duty Program
Performance Data
Personnel Subject to 10CFR 26

**FITNESS FOR DUTY PROGRAM
PERFORMANCE DATA
PERSONNEL SUBJECT TO 10CFR26**

PPL Susquehanna, LLC	December 31, 2008
Company	6 Months Ending
Susquehanna Steam Electric Station	
Location	
John E. Lines, Supv-Security Access & Training	(570) 542-3801
Contact	Phone (Include Area Code)
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Appendix A to 10CFR 26	
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		1405		N/A		373	
Categories		# Tested	# Positive NRC/PPL	# Tested	# Positive	# Tested	# Positive NRC/PPL
Pre-Access		151	0	N/A	N/A	242	2
For Cause	Post Accident	1	0	N/A	N/A	0	0
	Observed Behavior	1	0	N/A	N/A	0	0
R	Random	437	2	N/A	N/A	103	0
	Follow-up	31	0	N/A	N/A	15	0
	Other *	17	0	N/A	N/A	8	0
	Total	638	2	N/A	N/A	368	2

- Other Category – Voided (Dilute) tests = 24 / AD (Administrative) tests = 1

**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	1	0
Long-Term Contractors	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Short-Term Contractors	1	0	0	0	0	1	0
Total	2	0	0	0	0	2	0