

10 CFR 50.75(f)(1)

March 30, 2011

ZS-2011-0253

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Zion Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-39 and DPR-48
NRC Docket Nos. 50-295 and 50-304

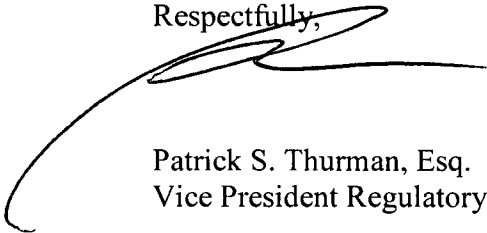
Subject: Fitness for Duty Performance Data Report – Annual 2010

In accordance with 10 CFR 26.717(e), “Fitness-for-duty program performance data,” and 10 CFR 26.203(e) “General provisions,” ZionSolutions, LLC (ZS) is providing the compiled fitness-for-duty program performance data for the Zion Nuclear Power Stations and the corporate support employees within the scope of the rule for the period September 1, 2010 through December 31, 2010.

There are no regulatory commitments contained in this letter.

If you have any questions regarding this submittal, please contact me at (224) 789-4041.

Respectfully,



Patrick S. Thurman, Esq.
Vice President Regulatory Affairs

cc: John Hickman, U.S. NRC Senior Project Manager
Service List

Attachment: Fitness for Duty Performance Data – Personnel Subject to 10 CFR 26

Zion Nuclear Power Station, Unit 1 and 2 License Transfer Service List

cc:

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ATTACHMENT

2010 Fitness for Duty Performance Data – Personnel Subject to 10 CFR 26

Random Testing Rate

ZionSolutions, LLC (ZS) maintains separate testing pools for employees and contractors. For the period of September 1 through December 31, 2010, the companywide random testing rate for employees was greater than 50%.

Work Hours Control Waivers – Summary of Corrective Actions

ZS issued no waivers.

Additional Information

As shown on the attached schedule for ZionSolutions, LLC's Fitness for Duty Program, the work force has been divided into three groups: Licensee Employees, Long-Term Contractor Personnel and Short-Term Personnel. For the reporting period in 2010, of the 144 tests conducted (89 pre-access and 55 random) there were no positive results for the Licensee Employees. There were no Long-Term Contractor Personnel tested since none of these personnel had unescorted access. There were 126 tests conducted for the Short-Term Contractor Personnel (74 pre-access and 52 random) with one positive result.

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

<u>Zion Solutions</u>	<u>12/31/2010</u>	
Company	12 Month Ending	
<u>ZION NUCLEAR POWER STATION</u>		
Location		
<u>Eileen Moore</u>	<u>(224)789-4036</u>	
Contact Name	Phone	
Cutoffs: Screen/Confirmation (ng/ml)		
Marijuana 50/15	Amphetamine 1000/500	N/A N/A
Cocaine 300/150	Phencyclidine 25/25	N/A N/A
Opiates 2000/2000	Alcohol (%BAC) 0.04%	N/A N/A

Testing Result	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access	95		0		123	
Pre-Access	87	0	0	0	74	1
Pre-Access Random	2	0	0	0	0	0
For-Cause Post Accident	0	0	0	0	0	0
For-Cause Observed Behavior	0	0	0	0	0	0
Random	54	0	0	0	52	0
Follow-Up	1	0	0	0	0	0
Other	0	0	0	0	0	0
Total	144	0	0	0	126	1

BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES

	Marijuana		Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Creatinine	Nitrites	pH
	50	100								
Licensee Employee	0	0	0	0	0	0	0	0	0	0
Long-Term Contractors	0	0	0	0	0	0	0	0	0	0
Short-Term Contractors	0	0	0	0	0	0	1	0	0	0
Total	0	0	0	0	0	0	1	0	0	0

	Refusal To Test	3X Dilute	Adulterated Specimen	Substituted Specimen
Licensee Employee	0	0	0	0
Long-Term Contractors	0	0	0	0
Short-Term Contractors	0	0	0	0
Total	0	0	0	0

Total Confirmed Positive Tests For All Specific Substances, Refusals, Dilutes, Substituted and Adulterated Specimens: 1