



ZS-2010-0436

10 CFR 50.82(a)(7)

November 23, 2010

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

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

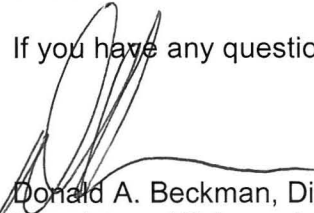
Subject: Notification of a Significant Schedule Change from that Provided in the
Amended Post-Shutdown Decommissioning Activities Report (PSDAR)

Reference: (1) Letter from Patrick Daly, ZionSolutions, LLC to NRC, "Notification of
Amended Post-Shutdown Decommissioning Activities Report (PSDAR)
for Zion Nuclear Power Station, Units 1 and 2 in Accordance with 10 CFR
50.82(a)(7)", dated March 18, 2008

This letter provides notification of a significant change to the Zion Nuclear Power Station (ZNPS) decommissioning schedule that was provided in Reference 1 as part of the "Amended Post-Shutdown Activities Report (PSDAR)." The schedule is being updated in accordance with 10 CFR 50.82(a)(7) to reflect the two-year delay in the start of the project which is associated with fluctuations in the value of the ZNPS decommissioning trust funds that began in 2008.

The amended PSDAR submitted by the Reference 1 letter included a decommissioning schedule based on the then current schedule expectations for completion of the transfer of the ZNPS assets and the NRC operating licenses from Exelon Generation Company, LLC (EGC) to ZionSolutions, LLC in the second half of calendar year 2008. This attached schedule reflects current projections based upon the actual transfer of the assets and licenses on September 1, 2010. The overall project duration is essentially the same as that provided in the amended PSDAR, approximately 10 years. The sequence, timing and duration of some major activities have undergone some refinement as the project planning has achieved more detail. No significant, adverse impacts to either overall duration or total estimated costs have occurred.

If you have any questions about this letter, please contact Tom Tramm at 224-789-4042



Donald A. Beckman, Director
Regulatory Affairs and Quality Assurance

cc: Regional Administrator — NRC Region III

Attachment

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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Contract Milestones

◆ Contract Requirement - Zion Contract Closing					◆ Contract Requirement - LTP Submitted to NRC	◆ Contract Requirement - Major Equip Removal Comp	◆ Contract Requirement - Fuel Xfer to ISFSI Comp		Contract Requirement - Pt 50 License Admended ◆	
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Spent Fuel Disposition / ISFSI

Mobilization and Prep Work										
	Dry Cask Systems									
ISFSI Pad Construction										
		Transfer Fuel to Dry Cask Storage (2 Shifts/Day)								

NRC License Termination

Mobilization and Prep Work										
	Remove Unit 2 Reactor Internals									
		Turbine Building Unit 2 - RAD Equipment Removal								
			Remove Major Equipment - Auxiliary Building							
			Turbine Building Unit 1 - RAD Equipment Removal							
		Remove Unit 1 Reactor Internals								
		Remove Unit 2 Reactor Vessel								
			Remove Unit 1 Reactor Vessel							
				Remove Unit 2 RCP's / SG's / Pressurizer						
					Fuel Building Equip Removal / Demo					
						Remove Unit 1 RCP's / SG's / Pressurizer				
						◆ Aux Bldg U1 - Major Equip Rmvl Complete				
						◆ Aux Bldg U2 - Major Equip Rmvl Complete				
							Demolish Auxiliary Building			
							Demolish RB2 Containment to Below Ground Elev.			
								Demolish RB1 Containment to Below Ground Elev.		
									Final Status Survey & Reporting	
									NRC Approve - License Termination	

Non-Rad Demo / End State

Mobilization and Prep Work										
	Remove Non-Rad Equip / Components U2 TB									
		Remove Non-Rad Equip / Components U1 TB								
			Demolish Turbine Building Unit 2							
				Demolish Turbine Building Unit 1						
					Demolish Unit 2 Turbine Pedestal					
						Demolish Unit 1 Turbine Pedestal				
							Complete Storm Sewers and Underground Piping			
								Demo Crib House - Trash Gates to Circ Pumps		
									Demo Yard and associated Equipment	
									Demo Wastewater Treatment Facility	
										Perform Final Site Grading

Start Date	01JAN10
Finish Date	01SEP20
Data Date	01JAN10
Run Date	12AUG10 11:33

2010 Budget
Progress Bar
Critical Activity

EX10

ZionSolutions
2010 Baseline
September 1, 2010 ASA Closing

Sheet 1 of 1

LT-17 NRC Level I
FL-17 NRC Level I

Attachment to ZS-2010-0436
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