

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of the Application of )  
 )  
Public Service Company of Oklahoma, )  
Associated Electric Cooperative, ) Docket Nos. STN 50-556  
and ) STN 50-557  
Western Farmers Electric Cooperative )  
 )  
(Black Fox Station, Units 1 and 2) )

AFFIDAVIT OF JOHN B. WEST, PH.D.

I, John B. West, of lawful age and being first duly sworn, depose and say that:

1. My name is John B. West. I reside at 7901 South Yukon, Tulsa, Oklahoma. I am employed by Public Service Company of Oklahoma ("PSO") as Black Fox Station Project Manager. I have been associated with the Black Fox Station management staff since 1976. Prior to that, I was a member of the faculty of the School of Chemical Engineering, Oklahoma State University, Stillwater, Oklahoma, for over twenty-one years. I was also employed as a graduate assistant for four years at the Ames Laboratory, Iowa State University; and by the General Electric Company on the Chemical and Metallurgical Program and at the Knolls Atomic Power Laboratory for about one year each. I received B.S. and Ph.D. degrees in Chemical Engineering from Iowa State University. I am a registered Professional Engineer in the State of Oklahoma.

2. By my affidavit of May 13, 1982, I provided to the Board a delineation of the selected preliminary construction activities accomplished in accordance with the Limited Work Authorization (as amended) for Black Fox Station.

3. On May 17, 1982, the NRC Staff conducted an inspection of the Black Fox Station site to review the preliminary construction activities accomplished to date and assess the potential for any off-site environmental impact. During the inspection, the NRC Staff expressed concern regarding the potential off-site environmental impact of erosion and siltation in the area of the inclined RPV haul road leading from the barge slip facility. The erosion and siltation evident in this area are due to rain-fall runoff from the immediate vicinity of the inclined RPV haul road.

4. The central portion of the inclined RPV haul road leading from the barge slip area has been protected from degradation due to erosion by a series of staked straw-bale terraces. These terraces divert rain-fall runoff from the engineered load bearing central section of the inclined haul road to the edges of the road. The resulting erosion along the edges of haul road has produced natural drainage paths to the barge slip. Runoff in the erosion channels has removed the upper surface layer of small rock and uncovered a more stable crushed rock surface. The erosion therefore appears to have stabilized. The channels at the edges of the inclined RPV haul road will continue to be used as natural drainage paths for rain-fall runoff. However, should erosion continue along these drainage channels, corrective action will be taken.

5. The source of the siltation identified during the NRC Staff inspection is the slopes of the cut for the inclined RPV haul road. This area is less than one acre in extent. Consistent with PSO's commitment to maintain the Black Fox Station site in an environmentally prudent manner, the slopes area will be tilled, supplemented with top soil, and seeded with a mixture of soil stabilizing grasses (bermuda, rye, and weeping love grass).

Executed at Tulsa, Oklahoma

John B. West

Subscribed And Sworn To Me This 24<sup>th</sup> Day of May, 1982

Robert L. Parkey

My Commission Expires February 5, 1986