



Docket Nos. 50-556  
and 50-557

NOV 30 1978

Mr. Bill Bryant  
2646 NW Eleventh Street  
Oklahoma City, Oklahoma 73107

Dear Mr. Bryant:

This is in response to your November 10, 1978 letter concerning Public Service Company of Oklahoma's application for licenses to construct and operate its proposed Black Fox Station. Your letter was referred to this office for reply.

Public Service Company of Oklahoma has entered into a contract with the City of Tulsa to supply water for the proposed plant. It is anticipated that the water for normal operation of the plant would be drawn primarily from storage in the upstream Oologah Reservoir that is allocated to, but not presently used by the City of Tulsa. This reservoir was constructed and is operated by the U.S. Army Corps of Engineers, Tulsa District. During our review of the application, we determined that the storage allocated to the City of Tulsa would be sufficient for droughts as severe as the drought of record, which occurred in the mid 1950's. The probability of that drought is estimated to be about once-in-50 years and is considered to be a reasonably severe drought. Since the water supply contract is with the City of Tulsa, there is the potential for water to be supplemented if necessary by the city from other available sources. However, to be conservative we did not consider these other sources in our evaluation of water supply adequacy. Based on our review, we conclude that an adequate water supply for normal operation of the proposed plant was available.

We recognize, however, that under very severe circumstances it is possible that sufficient water would not be available to operate the plant. We therefore, have a further requirement that the proposed plant have a high quality, on-site water supply of sufficient quantity to safely shutdown the plant and maintain it in a safe shutdown condition. The severe environmental events that are considered in this evaluation include droughts, floods, tornadoes and earthquakes. Our review of this aspect of the application concluded that Public Service Company's proposed design met our requirements for safety-related water supply.

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Bill Bryant

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I hope that I have been responsive to your letter. Should you wish more detailed information, it can be found in our Final Environmental Statement and our Safety Evaluation Report, copies of which are available in the Tulsa City/County Library in the Civic Center, Tulsa, Oklahoma. If you have any further questions, please feel free to call me at 301-492-7258.

Sincerely,

Original Signed By  
Richard P. Denise

Richard P. Denise, Assistant Director  
for Site Technology  
Division of Site Safety and  
Environmental Analysis  
Office of Nuclear Reactor Regulation

bcc: R. DeYoung  
H. Denton  
E. Case  
D. Bunch  
R. Boyd  
R. Mattson  
V. Stello  
L. Hulman  
E. Hawkins  
M. Groff (NRR-2651)  
PDR  
Docket File  
NRR Reading File  
HMB Reading File  
J. Norris

OFFICE →	DSE:HMB <i>EFH</i>	DSE:HMB <i>WSB</i>	DSE:HMB <i>GH</i>	DSE:ST <i>RP</i>		
SURNAME →	EFHawkins:km	WSBivins	GHulman	RPDenise		
DATE →	11/28/78	11/29/78	11/29/78	11/30/78		

2007

Bill Bryant  
1546 NW 11th Street  
Oklahoma City, O.

DATE OF DOCUMENT	11/10/78	DATE RECEIVED	11/17/78	NO.	NRR-2651
LTR	<input checked="" type="checkbox"/>	MEMO	<input type="checkbox"/>	REPORT	<input type="checkbox"/>
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TO	ORIG	CC	OTHER		
NRC	<input checked="" type="checkbox"/>				
ACTION NECESSARY	<input checked="" type="checkbox"/>	CONCURRENCE	<input type="checkbox"/>		
NO ACTION NECESSARY	<input type="checkbox"/>	COMMENT	<input type="checkbox"/>		
					DATE ANSWERED
					BY 12/1/78

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DESCRIPTION (Must Be Unclassified)	REFERRED TO	DATE	RECEIVED BY	DATE
CONCERN RE EFFECTS OF SERIOUS DROUGHT ON COMMUNITIES, INDUSTRY, ELECTRIC OPERATION AND BLACK FOX STATION  ENCLOSES	RDeYoung	11/17/78		
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	DBunch			
	RBoyd			
RMattson				
VStello				
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*IT Denial*  
*11/17/78*  
*MM Greiff*

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