



Louisiana Power & Light Company  
317 Baronne Street  
P. O. Box 60340  
New Orleans, LA 70160-0340  
Tel. 504 595 2805

R. F. Burski  
Nuclear Safety & Regulatory Affairs  
Manager

W3P90-0673  
A4.05  
QA

March 30, 1990

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Subject: Waterford 3 SES  
Docet No. 50-787  
Station Blackout (SBO)

Gentlemen:

LP&L on April 14, 1989 submitted the response for Waterford 3 to the station blackout rule 10CFR50.63, reference one (1). Subsequently, NUMARC on January 4, 1990, reference two (2), issued a letter to the industry identifying issues requiring evaluation. The following information provides the results of our evaluation.

1. The information provided in the April 14, 1989 LP&L response was based on NUMARC 87-00 and remains valid. There are no changes to the Waterford 3 SBO categories and classifications documented in reference one.
2. Pursuant to NUMARC 87-00, section 3.2.1, part 1.B, method A, site specific data was used in calculating the estimated frequency of loss of off-site power due to extremely severe weather. The methodology and data in NUREG/CR-2639, May 1982, was used. LP&L also supplemented the data in NUREG/CR-2639 with tornado data from the National Oceanic and Atmospheric Administration and calculated the annual expectation of tornadoes.
3. The original analysis assumed that at the end of the postulated SBO, power was restored to the shutdown buses from off-site AC power. LP&L is in the process of modifying emergency operations procedure OP-902-005 to include the restoration of the emergency diesel generators as part of the recovery process. Provisions need to be made to have bottled compressed air stored on-site and available for the emergency diesel generators. A station modification may be required to change the starting air system to accommodate the compressed bottled air. This effort will be completed by April 17, 1991 pursuant to paragraph c(4) of 10CFR 50.63.

NS41725E

9004090020 900330  
PDR ADCK 05000382  
P FIC

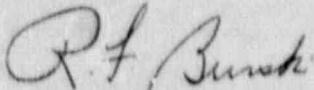
An Entergy Company

A050  
11

W3P90-0673  
Docket No. 50-382  
Station Blackout (SBO)  
March 30, 1990  
Page 2

4. The LP&L document for SBO, calculation EC-E89-016, was revised. The revision was made to enhance the existing SBO analyses and evaluations or to validate certain assumptions. The analysis which is required to confirm the LOCA is the bounding containment heat-up event compared with an SBO is in the process of being finalized. The documentation of the analysis, which includes computer analysis, will be finalized by April 16, 1990.
5. LP&L affirms its understanding that the diesel generator target reliability for Waterford 3, 0.975, is to be maintained.

LP&L recognizes the importance of station blackout. A significant effort has been made to assure there is comprehensive and well supported documentation for SBO. We believe the Waterford 3 evaluation thoroughly addresses the current issues on SBO.



RFB/RJM/smb  
Attachment

cc: Messrs. R.D. Martin  
F.J. Hebdon  
D.L. Wigginton  
E.L. Blake  
W.M. Stevenson  
W-3 NRC Resident Inspector's Office

W3P90-0673  
Docket No. 50-382  
Station Blackout (SBO)  
March 30, 1990  
Page 3

Referer.ces

1. LP&L Letter to USNRC, W3P89-0510, dated April 14, 1989.
2. NUMARC Letter to NUMARC Board of Directors dated January 4, 1990.