

DOCKETED  
March 22, 1985

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

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BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of )

CAROLINA POWER & LIGHT COMPANY )  
AND NORTH CAROLINA EASTERN )  
MUNICIPAL POWER AGENCY )

Docket No. 50-400 OL

(Shearon Harris Nuclear Power Plant) )

SUPPLEMENTAL AFFIDAVIT OF EDWIN H. HARRIS, JR.  
ON EPJ-4(a), 4(b) AND 4(c)

County of Wake )

SS:

State of North Carolina )

Edwin H. Harris, Jr., being duly sworn, deposes and says:

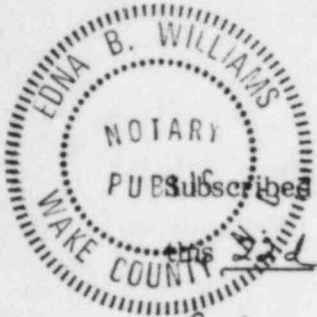
1. I am the Assistant Director of the Division of Emergency Management (DEM) of the North Carolina Department of Crime Control and Public Safety. In that professional capacity, I have been involved in the development of the offsite emergency capability for the Shearon Harris Nuclear Power Plant as well as the Catawba, McGuire and Brunswick nuclear plants. Since Jesse T. Pugh, III left his position as DEM Director in January 1985, I have had primary responsibility for emergency preparedness activities concerning the Harris plant. My business address is 116 West Jones Street, Raleigh, North Carolina 27611. I have personal knowledge of the matters stated herein and believe them to be true and correct. I make this Supplemental Affidavit in response to EPJ Contentions 4(a), 4(b), and 4(c).

2. The purpose of this Supplemental Affidavit is to present revised data which have recently been developed during the preparation of operating procedures for the Shearon Harris Nuclear Power Plant offsite emergency plan. The availability of these new data necessitates the revision of three paragraphs in the Affidavit of Jesse T. Pugh, III on EPJ-4(c), which was submitted on January 14, 1985. Paragraphs 3, 4 and 8 of the Pugh Affidavit should be revised as set forth in Attachment 1. Revision of the data results from DEM's adoption during procedure development of a more conservative approach to school evacuation. This more conservative approach involves reducing the assumed number of students riding each bus and using only school buses which are kept on school property during school hours. As a result of using this approach, it will be necessary to rely upon other school buses from nearby communities to supplement the resources available to the Apex and Fuquay-Varina schools. The revision affects only the evacuation plans for public schools in Wake County.

3. This revision in Wake County school evacuation procedures will also have a minor effect upon the number and mix of school bus drivers who would be used in the event of an evacuation. See Affidavit of Jesse T. Pugh, III on EPJ-4(a), at ¶ 3; and Affidavit of Jesse T. Pugh, III on EPJ-4(b), at ¶ 3. Instead of a total of 75 bus drivers, there would be a total of 88 drivers used in an evacuation, of whom 61 would be high school students, and 27 adults (the former plans reflected in Mr. Pugh's Affidavits called for the use of 66 high school student drivers and 9 adults). Adult drivers would be used on any buses which must enter the EPZ from nearby communities.

4. Based upon contacts with school authorities, I am confident that sufficient transportation resources are available to implement the revised procedures as stated in this Supplemental Affidavit. This revision to procedures for evacuating schools in Wake County represents an effective and safe plan for accomplishing the protection of school students in the event of an emergency at the Harris Plant. It in no way compromises the

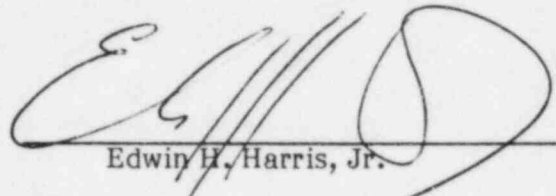
viability of emergency plans, but in fact tends to enhance them because of the use of a more conservative approach.



Subscribed and sworn to before me  
this 22<sup>d</sup> day of March 1985.

Edna B. Williams  
Notary Public

My commission expires: 6-7-88

  
Edwin H. Harris, Jr.

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ATTACHMENT 1

REVISED PARAGRAPHS 3, 4, AND 8 TO

AFFIDAVIT OF JESSE T. PUGH, III ON EPJ-4(c)

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3. In the Wake County public school system, the Apex Attendance Area has a total of 40 buses available.<sup>1</sup> These would be used for school evacuation in the event of an emergency at the Harris plant. In addition, six school buses from Cary High School would be utilized to evacuate students from Apex High School. Thus, a total of 46 buses are available to evacuate students from schools in the Apex attendance area. The enrolled student population (490 students) at Apex Elementary School would be evacuated using nine buses (with a combined capacity of 540 students). The 537 students enrolled at A. V. Baucom Elementary School would be evacuated using nine buses (with a combined capacity of 540 students). At Apex Middle School, fourteen buses (with a combined capacity of 700 students) would evacuate the enrolled student population of 679 students. And, at Apex High School, fourteen buses (with a combined capacity of 700 students) would be used to evacuate the approximately 689 students who do not provide their own transportation.<sup>2</sup>

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<sup>1</sup>These large buses can each accommodate 60 elementary school students (in addition to one teacher), or 50 middle or high school students (in addition to one teacher).

<sup>2</sup>According to school officials, at Apex High School approximately 530 of the enrolled student body of 1219 students either drive their own cars to school or ride with other students who drive their own cars. Pursuant to school policy, in the event of an evacuation, these students would be released — with the prior written permission of their parents — to take advantage of their available means of private transportation. All other students would be evacuated in school buses.

4. The Fuquay-Varina Attendance Area has a total of 30 large buses and one van for handicapped students available.<sup>3</sup> All of these would be used for school evacuation in the event of an emergency at the Harris plant. In addition, eleven school buses from Athens Drive High School in southwest Raleigh would be utilized to evacuate students from Fuquay-Varina High School. Thus, a total of 41 buses and one van are available to evacuate students from schools in the Fuquay-Varina Attendance Area. The enrolled student population (387 students) at Fuquay-Varina Elementary School would be evacuated using seven buses (with a combined capacity of 420 students). The 510 students enrolled at Lincoln Heights Elementary School would be evacuated using nine buses (with a combined capacity of 540 students). At Fuquay-Varina Middle School, thirteen buses (with a combined capacity of 650 students) would evacuate the enrolled student population of 624 students. And, at Fuquay-Varina High School, twelve buses and the van (with a combined capacity of 614 students) would be used to evacuate the approximately 602 students who do not provide their own transportation.<sup>4</sup>

8. Ample bus capacity exists to accommodate contingencies such as, e.g., a day when fewer students than usual drive to school.<sup>5</sup> As discussed above, the schools in the Apex Attendance Area have access to a total of 46 school buses with a combined

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<sup>3</sup>The capacity of school buses is stated in note 1 above. The van for handicapped students has a capacity of 14 (four students in wheelchairs and 10 seated students).

<sup>4</sup>According to school officials, at Fuquay-Varina High School, approximately 150 of the enrollment of 752 students either drive their own cars to school or ride with other students who drive their own cars. Pursuant to school policy, in the event of an evacuation, these students would be released — with the prior written permission of their parents — to take advantage of their available means of private transportation. All other students would be evacuated in school buses or the van.

<sup>5</sup>To accommodate such contingencies, it would likely be necessary to shift buses among the schools within the Apex Attendance Area and within the Fuquay-Varina Attendance Area, although it would not be necessary to shift buses between the two areas. Such shifts would involve only a few minutes of delay, as the schools in each area are quite close together. In the Apex Attendance Area, none of the schools are more than 3 miles apart, and in the Fuquay-Varina area, they are less than 2 1/2 miles apart.

capacity of 2480 students, to evacuate a total of 2395 students who do not provide their own transportation. The Fuquay-Varina Attendance Area has access to a total of 41 school buses and one van with a combined capacity of 2224 students to evacuate a total of 2123 students who do not provide their own transportation.

RELATED CORRESPONDENCE

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

DUCKETED  
USNRC

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CAROLINA POWER & LIGHT COMPANY  
AND NORTH CAROLINA EASTERN  
MUNICIPAL POWER AGENCY

(Shearon Harris Nuclear Power Plant)

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Docket No. 50-400 OL

OFFICE OF SECRETARY  
DUCKETING & SERVICE  
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CERTIFICATE OF SERVICE

I hereby certify that copies of "Supplemental Affidavit of Edwin H. Harris, Jr. on EPJ-4(a), 4(b) and 4(c)" were served this 22nd day of March, 1985 by deposit in the United States mail, first class, postage prepaid, to the parties on the attached Service List.

*Dale E. Hollar*

Dale E. Hollar  
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Dated: March 22, 1985

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