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D. O. Foster
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December 21, 1984

Director of Nuclear Reactor Regulation
Attention: Ms. Elinor G. Adensam, Chief
Licensing Branch #4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

NRC DOCKET NUMBERS 50-424 AND 50-425
CONSTRUCTION PERMIT NUMBERS CPPR-108 and CPPR-109
VOGTLE ELECTRIC GENERATING PLANT- UNITS 1 AND 2
D. O. Foster letter to H. R. Denton, September 25, 1984

Dear Mr. Denton:

I have enclosed pages 7, 8 and 17 from the above referenced transmittal's attachment 3, "Evaluation of Drift Deposition Rates at the Vogtle Electric Generating Plant." During copying, these pages were inadvertently left out of some copies. Also pages 9 through 12 and 15 were intentionally left blank and not included in the attachment.

If you have any questions please contact us.

Yours truly,


D. O. Foster

DOF/DHW/sro
Enclosures

xc: M. A. Miller
D. Hood
R. A. Thomas
J. A. Bailey
L. T. Gucwa
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This peak would occur at 0.9 miles NE of the cooling towers, which is 0.5 miles beyond the site boundary (Appendix 1).

- (c) The peak deposition in the E wind sector of VEGP would be:

Wind frequency in the E wind sector = 8.3%

$$\frac{16.2 \text{ lb/ac/yr}}{x} = \frac{12\%}{8.3\%}$$

$$x = 11.2 \text{ lb/ac/yr}$$

This peak would occur at 0.9 miles E of the cooling towers, which is about 0.3 miles beyond the site boundary (Appendix 1).

In summary, the off site peak deposition at VEGP, which follows Beaver Valley Unit 1 and 2's deposition pattern with the peak deposition at 0.9 miles from the cooling towers, would be approximately 14.7 lb/ac/yr at 1.0 miles SE of the cooling towers, immediately beyond the site boundary.

- (3) Similar approaches can be taken to calculate the other cases and Table 1 summarizes the offsite peak deposition based on the 4 cases described above. It can be noted from the table that the most conservative prediction for offsite peak deposition at VEGP would be provided by Case 3, having a deposition rate of about 14.7 lb/ac/yr at 1.0 mile SE of the cooling towers. However, even with this number the offsite peak deposition concentrations are expected to be below the guideline levels for vegetation damage provided by NUREG-0555 and Reg. Guide 4.11.

Table 1

Summary of Predictions of Offsite Peak Deposition Rates at VEGP

Case Parameter	1	2	3	4
Assumptions				
Location of the peak deposition from cooling towers (miles)	0.6	0.9	0.9	0.6
Deposition Patterns	Susquehanna	Susquehanna	Beaver Valley	Beaver Valley
Offsite Peak Deposition Expected	0.6 miles E of the CT	0.9 miles E of the CT	1.0 miles SE of the CT	0.6 miles E of the CT
Site Boundary in the Corresponding Direction	0.6 miles E of the CT	0.6 miles E of the CT	1.0 miles SE of the CT	0.6 miles E of the CT
Estimated Offsite Peak Deposition Rate (lb/ac/yr)	≤11.2	11.2	≤14.7	≤11.2

[illegible]

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the change in the number of the students who do not repeat the course. The actual score is the difference between the number of students who do not repeat the course and the number of students who do repeat the course.

[illegible][illegible]

10. *Journal of the American Medical Association*, 2000; 283: 2689-2694.

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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

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