

Public Service
Electric and Gas
Company

Corbin A. McNeill, Jr.
Vice President -
Nuclear

Public Service Electric and Gas Company P.O. Box 236, Hancocks Bridge, NJ 08038 609 339-4800

January 31, 1986

Director of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20814

Attention: Ms. Elinor Adensam, Director
Project Directorate 3
Division of BWR Licensing

Dear Ms. Adensam:

OFFSITE DOSE CALCULATION MANUAL - REVISION 2
HOPE CREEK GENERATING STATION
DOCKET NO. 50-354

Enclosed for NRC review is the Hope Creek Generating Station (HCGS) Offsite Dose Calculation Manual (ODCM), Revision 2, January 1986. This revision incorporates NRC comments concerning Revision 1 of the HCGS ODCM. We have revised the affected pages and included a complete List of Effective Pages following the title page.

The X/Q equation has been included and a standard presentation of the deposition model has been provided. The X/Q and D/Q data referenced by NRC have been incorporated into the ODCM, and the Maximum Exposed Individual (MEI) designation and the Site Boundary X/Q selection as originally presented, has been reinstated.

It should be noted that the NRC parameters vary from the HCGS FSAR parameters, being higher in most sectors and lower in others. Therefore, the Site Boundary X/Q and MEI X/Q and D/Q values and their associated location have changed.

Also it should be noted that, because this analysis is based upon actual land use census data (Reference 7 in the ODCM), the location previously identified by NRC as the MEI is different from the one in this revision of the ODCM. The location specified by NRC in the Final Environmental Statement (NUREG-1074) as being that of the Maximum Exposed Individual, does not occur in the ODCM referenced land use census.

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PDR ADOCK 05000354
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EB (LIAW)
PSB (L. HULMAN)
EICS (SRINIVASAN)
RSB (ACTING)
FOB (VASSALLO)
AD - G. LAINAS (Ltr only)

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Director of Nuclear
Reactor Regulation

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Should you have any questions in this regard, please contact
us.

Sincerely,

A handwritten signature in cursive script, appearing to read "C. H. Wagner", followed by a horizontal line and a stylized flourish.

Attachment: HCGS ODCM, Revision 2

C D.H. Wagner
USNRC Licensing Project Manager

R.W. Borchardt
USNRC Senior Resident Inspector