

OAK RIDGE NATIONAL LABORATORY MONTHLY REPORT TO  
THE DIVISION OF SITE SAFETY AND ENVIRONMENTAL ANALYSIS

March 1979

A. Status of Environmental Reviews

Allens Creek - J. B. Cannon, Project Manager

Work continued on preparation of testimony. A special pre-hearing conference is scheduled for April 18, 1979.

Blue Hills - J. M. Loar, Project Manager

No activity.

Comanche Peak - J. B. Cannon, Project Manager

No significant activity.

Douglas Point - H. E. Zittel, Project Manager

No activity.

Greene County - R. M. Rush, Project Manager

During this month 328 additional interrogatories and 112 additional document requests were received from the applicant and 12 interrogatories were received from other parties. This makes a total of 563 interrogatories and 120 document requests from the applicant and 24 interrogatories from other parties. Members of the team continued to work on responses to the interrogatories. NRC personnel visited ORNL on March 5-7 to review the responses completed at that time. Responses to 120 of the applicant's interrogatories were filed on March 13. On March 16 the Chairman of the Board of Trustees of the Power Authority of the State of New York (PASNY, applicant) announced his intention of recommending to the Board that plans for the Greene County plant be cancelled. On March 23 the PASNY Board took no action on this recommendation and requested further study of the recommendation.

Indian Point - R. M. Rush, Project Manager

Preparation of direct testimony for the EPA hearings continued to be the main effort of team members.

Grand Gulf Nuclear Station Units 1 and 2 - R. M. Rush, Project Manager

No significant activity.

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Jamesport Nuclear Power Station Units 1 and 2 - R. M. Rush, Project Manager

No significant activity.

NRC Research and Technical  
Assistance Report

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Montague Nuclear Power Station Units 1 and 2 - R. M. Rush, Project Manager

No significant activity.

New England Power Units 1 and 2 - R. M. Rush, Project Manager

Team members continued to work on the alternative site section in response to NRC comments and requests. The EPM visited ORNL on March 1-2 to review this work. The EPM, Branch Chief, and OELD attorney visited ORNL for the final green cover review on March 15-16. Everything was completed except for the alternative site section. This section is being reviewed and modified by the EPM and other NRC personnel.

San Onofre Units 2 and 3 - R. M. Rush, Project Manager

Responses to agency comments on the DES were completed and sent to the EPM on March 29.

Perkins - H. E. Zittel, Project Manager

No further activity.

South Texas - J. B. Cannon, Project Manager

Work continued on preparation of the PDES.

Sterling - J. B. Cannon, Project Manager

No activity.

Virgil C. Summer Nuclear Station - N. E. Hinkle, Project Manager

PDES review by NRC specialists was completed. The EPM and a lawyer visited ORNL for one day of discussion of the comments on the PDES. The ORNL task group initiated effort towards producing the DES.

Erie - N. E. Hinkle, Project Manager

Effort was directed towards making another alternative site visit and preparing a more independent staff assessment of alternative sites.

#### B. Technical Projects

Environmental Standard Review Plan - H. E. Zittel

No activity this month.

Intake Design/Fish Impingement Study - J. M. Loar

No activity this month.

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Alternative Screening Devices for Reducing Entrainment/Impingement -  
J. B. Cannon, Principal Investigator

The final draft of the generic report was completed. Work is continuing on the testimony. The scheduled completion date for this work is April 17, 1979.

Timing for Additions to Generating Capacity - R. L. Spore

No activity.

Socioeconomic Impact of Coal Fuel Cycles - B. H. Bronfman

No activity.

C. Support Group Activities  
Environmental Fluid Dynamics Group

PLUME Model User's Manual - J. B. Cannon

No activity this month.

ORFAD - Cooling Tower Fog and Drift Program - M. E. LaVerne and E. C. Long

Rewriting of the revised ORFAD User's Manual incorporating the comments on the original draft has continued.

3-D Transient Far-Field Model for  $\Delta T$  in Rivers from an Arbitrary Source  
A. J. Witten and E. C. Long

No activity this month.

Statistical Continuum Model of Thermal Discharge - A. J. Witten and E. C. Long

No activity this month.

Simplified 2-D Tidal Model - A. J. Witten and E. C. Long

No activity this month.

D. Budget

Project costs are reported in the attached tables.

E. Overdue Action of SSEA Regarding Laboratory Requests

None

F. Remarks

None

*H. E. Zittel*

H. E. Zittel, Manager  
Environmental Statements Project

ENVIRONMENTAL STATEMENTS PROJECT  
COST AND MANPOWER DEVOTED TO ORNL  
WORK FOR THE DIVISION OF SITE SAFETY AND ENVIRONMENTAL ANALYSIS

Because of budget over-run during the previous month (February) all project charge accounts on this activity were closed and the bad charges accumulated in a separate account. Therefore, no detailed costs are available. Since funds have again become available, charges to the separate project accounts will be back-charged and will appear on the next month's account (April). The activity charges for the month of March are estimated to be in the neighborhood of \$75,000.

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*H. E. Zittel* 4/27/79

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