

INTERIM REPORT

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Analysis

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OAK RIDGE NATIONAL LABORATORY
Oak Ridge, Tennessee 37830
operated by
UNION CARBIDE CORPORATION
for the
DEPARTMENT OF ENERGY

NRC Research and Technical
Assistance Report

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INTERIM REPORT

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

June 1980

A. Status of Environmental Reviews

Allens Creek - J. B. Cannon, Project Manager

No activity this month.

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

No significant activity in June.

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

Technical Publications have been working on preparing the revised section for the FES that are the responsibility of ORNL. This material should be ready for transmittal in early July.

B. Support Group Activities
Environmental Fluid Dynamics Group

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

Typing of the comprehensive user's manual for the Waldrop-Tatom PLUME model, ORNL/CF-80/98 continued.

NEP Groundwater Flow - D. W. Lee

The report, ORNL/TM-7138, describing the groundwater flow at the New England plant has been issued.

1.2 Analytical Support Work

ORFAD - Cooling Tower Fog and Drift Program - M. E. LaVerne, H. A. McLain and E. C. Long

No activity this month.

ORFAD - Review of the Plume Behavior Models - J. E. Molyneux

The governing equations that were formulated for moist buoyant plume are being programmed for numerical computation. The Alternating Direction Implicit (ADI) finite difference technique is being used.

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

No activity this month.

Computer Program Cataloging - E. C. Long

No activity this month.

C. Budget

Project costs are reported in the attached tables.

D. Remarks

None.

H. E. Zittel

H. E. Zittel, Manager
Environmental Statements Project

HEZ/1kb

ENVIRONMENTAL STATEMENTS PROJECT

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

	June 1980		FY-1980		Prior Years	
	MMs	Project	MYS	Project	Cost	MYS
Erie	--	--	0.03	9,151	459,578	4.88
San Onofre 2,3	--	--	--	6,942	259,701	2.69
Virgil C. Summer	0.15	1,154	0.11	11,462	204,017	1.87
Allens Creek	0.09	2,497	0.26	41,383	227,186	2.23
Douglas Point 1 and 2	--	252	0.42	33,135	256,963	3.76
South Texas	--	--	--	13		
Others	--	--	--	12,595		
TOTALS	0.24	3,903	0.82	114,641		

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