

NOV 06 1987

Docket Nos. 50-327/328/390/391/369/370/413/414

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MEMORANDUM FOR: John A. Zwolinski, Assistant Director
for Projects
TVA Projects Division, OSP

FROM: Rajender Auluck, Project Manager
TVA Projects Division, OSP

SUBJECT: FORTHCOMING MEETING WITH TENNESSEE VALLEY AUTHORITY (TVA)

Date & Time: Monday,
November 23, 1987
8:30 a.m. -

Location: Room 110
Phillips Building
7920 Norfolk Avenue
Bethesda, Maryland

Purpose: NRC/TVA/Duke Power/Westinghouse meeting to discuss Los Alamos comments on Westinghouse's "Revised LOTIC-3 Drain-Flow Heat Transfer Models" for main steam line break analysis inside containment.

Participants*:	<u>NRC</u>	<u>TVA</u>	<u>Westinghouse</u>
	R. Auluck	H. Bryon, Jr.	L. E. Hochreiter
	C. Y. Li	R. M. Devault	O. Mendler
	J. Wermiel	R. T. Holliday	R. Owick
		K. E. Meade	S. D. Rupprecht
		R. J. McMahon	L. Tomasic
	<u>LANL</u>	<u>Duke Power Co.</u>	<u>ANL</u>
	R. G. Gido	R. Sharp	T. H. Chien

Original signed by:

Rajender Auluck, Project Manager
TVA Projects Division, OSP

Enclosure: Meeting Agenda

cc: See next page

*Meetings between NRC technical staff and applicants for licenses are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Open Meetings and Statement of NRC Staff Policy," 43 Federal Register 28058, 6/28/78.

TVA:OSP/LA
CJamerson
11/6/87

TVA:OSP/PM
RAuluck:pw
11/6/87

TVA:AD/P
JZwolinski
11/6/87

Tennessee Valley Authority

CC:

General Counsel
Tennessee Valley Authority
400 West Summit Hill Drive
E11 B33
Knoxville, Tennessee 37902

Mr. R. L. Gridley
Tennessee Valley Authority
5N 157B Lookout Place
Chattanooga, Tennessee 37402-2801

Mr. H. L. Abercrombie
Tennessee Valley Authority
Sequoyah Nuclear Plant
P.O. Box 2000
Soddy Daisy, Tennessee 37379

Mr. M. R. Harding
Tennessee Valley Authority
Sequoyah Nuclear Plant
P.O. Box 2000
Soddy Daisy, Tennessee 37379

Mr. D. L. Williams
Tennessee Valley Authority
400 West Summit Hill Drive
W10 B85
Knoxville, Tennessee 37902

County Judge
Hamilton County Courthouse
Chattanooga, Tennessee 37402

Mr. S. A. White
Manager of Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Sequoyah Nuclear Plant

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W.
Atlanta, Georgia 30323

Resident Inspector/Sequoyah NP
c/o U.S. Nuclear Regulatory Commission
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37379

Mr. Richard King
c/o U.S. GAO
1111 North Shore Drive
Suite 225, Box 194
Knoxville, Tennessee 37919

Tennessee Department of
Public Health
ATTN: Director, Bureau of
Environmental Health Services
Cordell Hull Building
Nashville, Tennessee 37219

Mr. Michael H. Mobley, Director
Division of Radiological Health
T.E.R.R.A. Building
150 9th Avenue North
Nashville, Tennessee 37203

Dr. Henry Myers, Science Advisor
Committee on Interior
and Insular Affairs
U.S. House of Representatives
Washington, D.C. 20515

Tennessee Valley Authority

CC:

General Counsel
Tennessee Valley Authority
400 West Summit Hill Drive
E11 B33
Knoxville, Tennessee 37902

Mr. R. L. Gridley
Tennessee Valley Authority
5N 157B Lookout Place
Chattanooga, Tennessee 37402-2801

Mr. George Toto
Tennessee Valley Authority
Watts Bar Nuclear Plant
P.O. Box 800
Spring City, Tennessee 37381

Mr. J. A. McDonald
Tennessee Valley Authority
Watts Bar Nuclear Plant
P.O. Box 800
Spring City, Tennessee 37381

Mr. D. L. Williams
Tennessee Valley Authority
400 West Summit Hill Drive
W10 B85
Knoxville, Tennessee 37902

Honorable Johnny Powell
County Judge
Meigs County Courthouse
Route 2
Decatur, Tennessee 37322

Tennessee Department of
Public Health
ATTN: Director, Bureau of
Environmental Health Services
Cordell Hull Building
Nashville, Tennessee 37219

Honorable Dan Wade
County Judge
Rhea County Courthouse
Dayton, Tennessee 37321

Watts Bar Nuclear Plant

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W.
Atlanta, Georgia 30323

Resident Inspector/Watts Bar NP
c/o U.S. Nuclear Regulatory Commission
Route 2, Box 300
Spring City, Tennessee 37381

Mr. Richard King
c/o U.S. GAO
1111 North Shore Drive
Suite 225, Box 194
Knoxville, Tennessee 37919

Dr. Henry Myers, Science Advisor
Committee on Interior
and Insular Affairs
U.S. House of Representatives
Washington, D.C. 20515

Mr. H. B. Tucker
Duke Power Company

cc:

A.V. Carr, Esq.
Duke Power Company
422 South Church Street
Charlotte, North Carolina 28242

J. Michael McGarry, III, Esq.
Bishop, Liberman, Cook, Purcell
and Reynolds
1200 Seventeenth Street, N.W.
Washington, D. C. 20036

North Carolina MPA-1
Suite 600
3100 Smoketree Ct.
P.O. Box 29513
Raleigh, North Carolina 27626-0513

L.L. Williams
Area Manager, Mid-South Area
ESSD Projects
Westinghouse Electric Corp.
MNC West Tower - Bay 239
P.O. Box 355
Pittsburgh, Pennsylvania 15230

County Manager of York County
York County Courthouse
York South Carolina 29745

Richard P. Wilson, Esq.
Assistant Attorney General
S.C. Attorney General's Office
P.O. Box 11549
Columbia, South Carolina 29211

Piedmont Municipal Power Agency
100 Memorial Drive
Greer, South Carolina 29651

Mr. Michael Hirsch
Federal Emergency Management Agency
Office of the General Counsel
Room 840
500 C Street, S.W.
Washington, D. C. 20472

Brian P. Cassidy, Regional Counsel
Federal Emergency Management Agency,
Region I
J. W. McCormack POCH
Boston, Massachusetts 02109

Catawba Nuclear Station

North Carolina Electric Membership
Corp.
3400 Sumner Boulevard
P.O. Box 27306
Raleigh, North Carolina 27611

Saluda River Electric Cooperative,
Inc.
P.O. Box 929
Laurens, South Carolina 29360

Senior Resident Inspector
Route 2, Box 179N
York, South Carolina 29745

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission,
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. Heyward G. Shealy, Chief
Bureau of Radiological Health
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Karen E. Long
Assistant Attorney General
N.C. Department of Justice
P.O. Box 629
Raleigh, North Carolina 27602

Spence Perry, Esquire
General Counsel
Federal Emergency Management Agency
Room 840
500 C Street
Washington, D. C. 20472

Mr. H. B. Tucker
Duke Power Company

McGuire Nuclear Station

cc:

Mr. A.V. Carr, Esq.
Duke Power Company
P. O. Box 33189
422 South Church Street
Charlotte, North Carolina 28242

Dr. John M. Barry
Department of Environmental Health
Mecklenburg County
1200 Blythe Boulevard
Charlotte, North Carolina 28203

County Manager of Mecklenburg County
720 East Fourth Street
Charlotte, North Carolina 28202

Mr. Dayne H. Brown, Chief
Radiation Protection Branch
Division of Facility Services
Department of Human Resources
701 Barbour Drive
Raleigh, North Carolina 27603-2008

Mr. Robert Gill
Duke Power Company
Nuclear Production Department
P. O. Box 33189
Charlotte, North Carolina 28242

J. Michael McGarry, III, Esq.
Bishop, Liberman, Cook, Purcell
and Reynolds
1200 Seventeenth Street, N.W.
Washington, D. C. 20036

Senior Resident Inspector
c/o U.S. Nuclear Regulatory Commission
Route 4, Box 529
Huntersville, North Carolina 28078

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission,
101 Marietta Street, N.W., Suite 2900
Atlanta, Georgia 30323

L. L. Williams
Area Manager, Mid-South Area
ESSD Projects
Westinghouse Electric Corporation
MNC West Tower - Bay 239
P. O. Box 355
Pittsburgh, Pennsylvania 15230

MEETING AGENDA

1.0 Introduction

NRC

2.0 Drain Flow Test Program

TVA/W

Problem Statement

Utilities/Westinghouse Program

Test

Mass/Energy Releases

New LOTIC

COBRA/NC

Conclusions

Meetings

Submittals

3.0 LOTIC Model

W

4.0 Los Alamos National Laboratory Report

LANL

I. Introduction

II. Discussion

1. Freely-Falling-Drop Velocity
2. Freely-Fally-Drop Size
3. Temperature Difference for Falling Drops
4. Heat-Transfer Coefficient
5. Splashing
6. Heat Transfer to Dispersed Drops
7. Heat Transfer to the Sheet

III. Application Limitations

IV. Conclusion and Recommendations

V. Questions and Answers

5.0 Resolution/Action Items

A11

6.0 Meeting Summary

NRC

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Facility: Sequoyah Nuclear Plant, Units 1 and 2*
 Watts Bar Nuclear Plant, Units 1 and 2*
 Catawba Nuclear Station, Units 1 and 2*
 McGuire Nuclear Station, Units 1 and 2*

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Hon. M. Lloyd

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JPartlow

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