July 30,2007

MEMORANDUM TO: Brent Clayton, Chief
Environmental Technical Support Branch
Division of Site and Environmental Reviews
Office of New Reactors

FROM: James E. Lyons, Director ***/RA/***
Division of Site and Environmental Reviews
Office of New Reactors

SUBJECT: TRANSMITTAL OF PROPOSED REVISION TO ENVIRONMENTAL STANDARD REVIEW PLAN NUREG-1555 REV 1 OF SECTIONS 4.6 AND 5.10 AND REV 0 OF SECTIONS 4.7 AND 5.11

The purpose of this memorandum is to transmit the proposed revisions to NUREG-1555, Environmental Standard Review Plan (ESRP), Sections 4.6, Rev. 1, "Measures and Controls to Limit Adverse Impacts During Construction" and 5.10, Rev. 1, "Measures and Controls to Limit Adverse Impacts During Operation." Also included are the proposed new Sections 4.7, "Cumulative Impacts Related to Construction Activities," and 5.11, "Cumulative Impacts Related to Station Operation." These documents are technically complete, reformatted following the guidelines in LIC-200, "Standard Review Plan Process," and are designated "publically available."

The revisions to 4.6 and 5.10 update the versions of these documents that were published in March 2000. The revised portions of the ESRP Sections have been highlighted to aid in identifying the technical information that has been added or revised. The changes that the staff is proposing are summarized in change description lists which are included in the background portion of this package together with a redline strikeout copy of both sections.

Sections 4.7 and 5.11 are new ESRP sections created to address cumulative effects related to construction activities and station operation.

These revisions have been administratively updated using the guidance in NRR Office Instruction, LIC-200. The administrative update is comprised of assigning the review responsibilities by function, with the responsible organizations maintained separately from the ESRP itself to minimize impacts of office reorganizations, and editorial and formatting changes. There were also changes to each of the ESRP sections updating the list of applicable regulations and acceptance criteria.

CONTACT: Andrew Kugler, NRO/DSER/RAP2
301-415-2828

This memo and its enclosures will be made publicly available as a preliminary ESRP section revision. It will be formally published following reconciliation against the ongoing Part 52 rule-makings and regulatory guide updates, including the planned update to RG 4.2,"Preparation of Environmental Reports for Nuclear Power Stations." After formal issuance, the ESRP will be available for public comment. Comment resolution will be addressed in subsequent ESRP revisions. Prior to revision to individual sections, comment resolution may establish a basis for how alternatives to the NUREG-1555 acceptance criteria provide an acceptable method of complying with the NRC's regulations.

For questions concerning these documents, please contact Andy Kugler at 301-415-2828.

Enclosures: As stated

This memo and its enclosures will be made publicly available as a preliminary ESRP section revision. It will be formally published following reconciliation against the ongoing Part 52 rule-makings and regulatory guide updates, including the planned update to RG 4.2,"Preparation of Environmental Reports for Nuclear Power Stations." After formal issuance, the ESRP will be available for public comment. Comment resolution will be addressed in subsequent ESRP revisions. Prior to revision to individual sections, comment resolution may establish a basis for how alternatives to the NUREG-1555 acceptance criteria provide an acceptable method of complying with the NRC's regulations.

For questions concerning these documents, please contact Andy Kugler at 301-415-2828.

Enclosures: As stated

DISTRIBUTION:
RidsNroDser
RidsNroDserRenv
RidsNroDserRap1
RidsNroDserRap2
RidsOgcMailCenter
JLyons
BClayton
WBurton
RRaione
LRamadan
AKugler
RSchaaf
PHendrickson, PNNL

ADAMS PACKAGE ACCESSION NUMBER: ML071810018
ADAMS MEMO ACCESSION NUMBER: ML071810017

OFFICE	RAP2/PM	RAP1/PM	RENV/BC	OGC/NLO	D/DSER
NAME	AKugler LMQ for	RSchaaf	BClayton	APH	JLyons
DATE	07/12/07	07/20/07	07/27/07	07/27/07	07/30/07

OFFICIAL RECORD COPY

cc:

Mr. Charles Brinkman
Westinghouse Electric Co.
Washington Operations
12300 Twinbrook Pkwy., Suite 330
Rockville, MD 20852

Mr. David Lochbaum, Nuclear Safety Engineer
Union of Concerned Scientists
1707 H Street, NW, Suite 600
Washington, DC 20006-3919

Mr. Paul Gunter
Nuclear Information & Resource Service
1424 16th Street, NW, Suite 404
Washington, DC 20036

Mr. James Riccio
Greenpeace
702 H Street, NW, Suite 300
Washington, DC 20001

Mr. Adrian Heymer
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Mr. George Alan Zinke
Project Manager
Nuclear Business Development
Entergy Nuclear
M-ECH-683
1340 Echelon Parkway
Jackson, MS 39213

Ms. Marilyn Kray
Vice President, Special Projects
Exelon Generation
200 Exelon Way, KSA3-E
Kennett Square, PA 19348

Mr. Laurence Parme
Manager, GT-MHR Safety & Licensing
General Atomics Company
P.O. Box 85608
San Diego, CA 92186-5608

Mr. Joseph D. Hegner
Lead Engineer - Licensing
Dominion Generation
Early Site Permitting Project
5000 Dominion Boulevard
Glen Allen, VA 23060

Mr. Edward L. Quinn
Longenecker and Associates
Utility Operations Division
23292 Pompeii Drive
Dana Point, CA 92629

Mr. Paul Leventhal
Nuclear Control Institute
1000 Connecticut Avenue, NW
Suite 410
Washington, DC 20036

Mr. Jay M. Gutierrez
Morgan, Lewis & Bockius, LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004

Mr. W. Edward Cummins
AP600 and AP1000 Projects
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230-0355

Mr. Gary Wright, Manager
Office of Nuclear Facility Safety
Illinois Department of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62704

Mr. Brendan Hoffman
Research Associate on Nuclear Energy
Public Citizens Critical Mass Energy and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Mr. Lionel Batty
Nuclear Business Team
Graftech
12300 Snow Road
Parma, OH 44130

Mr. Ian M. Grant
Canadian Nuclear Safety Commission
280 Slater Street, Station B
P.O. Box 1046
Ottawa, Ontario
K1P 5S9

Mr. Glenn H. Archinoff
AECL Technologies
481 North Frederick Avenue
Suite 405
Gaithersburg, MD 20877

Mr. Ed Wallace, General Manager
Projects
PBMR Pty LTD
PO Box 9396
Centurion 0046
Republic of South Africa

Mr. Dobie McArthur
Director, Washington Operations
General Atomics
1899 Pennsylvania Avenue, NW, Suite 300
Washington, DC 20006

Mr. Russell Bell
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Ms. Vanessa E. Quinn, Chief
Radiological Emergency Preparedness Branch
Nuclear and Chemical Preparedness and Protection Division
Department of Homeland Security
1800 South Bell Street, Room 837
Crystal City-Arlington, VA 22202-3546

Mr. Ron Simard
6170 Masters Club Drive
Suwanee, GA 30024

Ms. Sandra Sloan
Areva NP, Inc.
3315 Old Forest Road
P.O. Box 10935
Lynchburg, VA 24506-0935

Ms. Anne W. Cottingham
Assistant General Counsel
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006

Mr. David Repka
Winston & Strawn LLP
1700 K Street, NW
Washington, DC 20006-3817

Mr. Robert E. Sweeney
IBEX ESI
4641 Montgomery Avenue
Suite 350
Bethesda, MD 20814

Mr. Eugene S. Grecheck
Vice President, Nuclear Support Services
Dominion Energy, Inc.
5000 Dominion Blvd.
Glen Allen, VA 23060