



Entergy Nuclear Operations, Inc.
440 Hamilton Avenue
White Plains, NY 10601
914-272-3370

John F. McCann
Vice President, Nuclear Safety,
Emergency Planning and Licensing

CNRO-2012-00013
ENOC-2012-00038

December 18, 2012

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, MD 20852-2738

**SUBJECT: Evacuation Time Estimate Reports for Plants Operated by Entergy
Nuclear Operations, Inc. and Entergy Operations, Inc. – 10 CFR 50.4**

Entergy Nuclear Operations, Inc.
Indian Point Nuclear Generating Stations 1, 2 and 3
Docket Nos. 50-3, 50-247 and 50-286
Vermont Yankee Nuclear Power Station
Docket No. 50-271
Pilgrim Nuclear Power Station
Docket No. 50-293
James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
Palisades Nuclear Plant
Docket No. 50-255

Entergy Operations, Inc.
Arkansas Nuclear One, Units 1 & 2
Docket Nos. 50-313 and 50-368
Grand Gulf Nuclear Station
Docket No. 50-416
River Bend Station Unit 1
Docket No. 50-458
Waterford 3 Steam Electric Station
Docket No. 50-382

Dear Sir or Madam:

This correspondence is submitted in accordance with 10 CFR Part 50, Appendix E, section IV.4, which requires licensees to submit an Evacuation Time Estimate (ETE) analysis using decennial census data from the U.S. Census Bureau, within 365 days of the later of the date of availability of the census data or December 23, 2012. Enclosed are 9 Compact Discs (CDs), each contains the aforementioned power plants' Evacuation Time Estimate analysis submitted in accordance with 10 CFR 50.4.

FSME 20
AXYS
NRC
FSME

CNRO-2012-00013
ENOC-2012-00038

The ETEs were developed in accordance with the Federal guidance in NUREG/CR-7002 (SAND2010-0016P), "Criteria for the Development of Evacuation Time Estimate Studies" published November 2011. The enclosed ETEs provide the methods used to derive, for planning purposes, the time for public evacuation.

This letter does not contain any new commitments.

If there are any questions, please contact Michael Miele, at 914-271-7100.

Sincerely,



JFM/CDF/aye

Enclosures: 9 CDs, as described above

cc: all w/o attachments

USNRC Regional Administrator, Region I
USNRC Regional Administrator, Region III
USNRC Regional Administrator, Region IV
USNRC Project Manager, Indian Point 1
USNRC Project Manager, Indian Point 2 & 3
USNRC Project Manager, FitzPatrick
USNRC Project Manager, Vermont Yankee
USNRC Project Manager, Pilgrim
USNRC Project Manager, Palisades
USNRC Project Manager, Big Rock Point
USNRC Project Manager, ANO
USNRC Project Manager, GGNS
USNRC Project Manager, RBS
USNRC Project Manager, WF3
USNRC Resident Inspector, Indian Point 2
USNRC Resident Inspector, Indian Point 3
USNRC Resident Inspector, FitzPatrick
USNRC Resident Inspector, Vermont Yankee
USNRC Resident Inspector, Pilgrim
USNRC Resident Inspector, Palisades
USNRC Resident Inspector, Cooper
USNRC Resident Inspector, ANO
USNRC Resident Inspector, GGNS
USNRC Resident Inspector, RBS
USNRC Resident Inspector, WF3

CNRO-2012-00013
ENOC-2012-00038

cc (continued):

Mr. Bernard R. Bevill
Arkansas Department of Health
Radiation Control Section
4815 West Markham Street
Slot #30
Little Rock, AR 72205

State Health Officer
Mississippi Department of Health
P. O. Box 1700
Jackson, MS 39215-1700

Louisiana Department of Environmental Quality
Office of Environmental Compliance
Emergency and Radiological Services Division
P. O. Box 4312
Baton Rouge, LA 70821-4312

Ms. Bridget Frymire
New York State Department of Public Service
3 Empire State Plaza, 101h Floor
Albany, NY 12223

Mr. Francis J. Murray Jr., President
New York State Energy and Research Development Authority
17 Columbia Circle
Albany, NY 12203-6399

Mr. John Giarrusso, Planning and Preparedness Division Chief
Mass Emergency Management Agency (MEMA)
400 Worcester Road
Framingham, MA 01702

Director, Massachusetts Department of Public Health (MDPH)
Radiation Control Program
Commonwealth of Massachusetts
529 Main Street, Suite 1 M2A
Charlestown, MA 02129-1121

Ms. Elizabeth Miller, Commissioner
VT Department of Public Service
112 State Street - Drawer 20
Montpelier, Vermont 05620-2601

CNRO-2012-00013
ENOC-2012-00038

Michigan Department of Environmental Quality
Resource Management Division
Radiological Protection Section, Attn: K.Yale
Constitution Hall, Lower-Level North
525 West Allegan Street,
PO Box 30241
Lansing, MI 48909

Mr. J. A. Aluise (L-ENT)
Mr. Bill Dennis (WPO)
Mr. M. A. Balduzzi (ECH)
Mr. S. J. Bethay (ECH)
Mr. J. S. Forbes (ECH)
Mr. L. Jager Smith (Wise, Carter - ECH)

CNRO-2012-00013
ENOC-2012-00038

**Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.
Evacuation Time Estimates**

Enclosure 1

Indian Point Nuclear Generating Stations 1, 2 and 3

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.

Enclosure 2

Vermont Yankee Nuclear Power Station

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.

Enclosure 3

Pilgrim Nuclear Power Station

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.

Enclosure 4

James A. FitzPatrick Nuclear Power Plant

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

**Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.**

Enclosure 5

Palisades Nuclear Plant & Big Rock Point

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

**Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.**

Enclosure 6

Arkansas Nuclear One, Units 1 & 2

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.

Enclosure 7

Grand Gulf Nuclear Station

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.

Enclosure 8

River Bend Station Unit 1

Evacuation Time Estimates

CNRO-2012-00013
ENOC-2012-00038

Entergy Nuclear Operations, Inc.
Entergy Operations, Inc.

Enclosure 9

Waterford 3 Steam Electric Station

Evacuation Time Estimates