



Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc.
Vermont Yankee
P.O. Box 0500
185 Old Ferry Road
Brattleboro, VT 05302-0500
Tel 802 257 5271

January 25, 2006
BVY 06-010

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: **Vermont Yankee Nuclear Power Station**
License No. DPR-28 (Docket No. 50-271)
License Renewal Application Boundary Drawings

Reference: Entergy letter to U.S. Nuclear Regulatory Commission, "Vermont Yankee Nuclear Power Station, License No. DPR-28, "License Renewal Application," BVY 06-009, January 25, 2006

By the referenced letter, Entergy Nuclear Operations, Inc. and Entergy Nuclear Vermont Yankee, LLC. (Entergy) submitted the License Renewal Application for the Vermont Yankee Nuclear Power Station (VYNPS) to extend the license for an additional 20 years beyond the current expiration date. The License Renewal Application references boundary drawings used in the scoping phase of the license renewal project. Please find enclosed a copy of the boundary drawings to aid the Staff in the review of the application.

Please contact Mr. James DeVincentis at (802) 258-4236 if you have any questions concerning this submittal.

This letter contains no new commitments.

Sincerely,

A handwritten signature in black ink, appearing to read "Norm L. Rademacher", written over a horizontal line.

Norm L. Rademacher
Director, Nuclear Safety Assurance
Vermont Yankee Nuclear Power Station

Enclosure: License Renewal Application Boundary Drawings

cc: next page

SISP review completed.
Johnny Eads

A117

cc: Mr. James E. Dyer, Director (w/o enclosure)
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555-00001

Mr. Samuel J. Collins (w/o enclosure)
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Jack Strosnider, Director (w/o enclosure)
Office of Nuclear Material and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-00001

Mr. Johnny H. Eads
Project Manager
U.S. Nuclear Regulatory Commission
Office 0-11F1
Washington, DC 20555-00001

Mr. James Shea (w/o enclosure)
U.S. Nuclear Regulatory Commission
Office O-8B-1
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

USNRC Resident Inspector (w/o enclosure)
Entergy Nuclear Vermont Yankee, LLC
P.O. Box 157
Vernon, Vermont 05354

Mr. David O'Brien, Commissioner
VT Department of Public Service
112 State Street – Drawer 20
Montpelier, Vermont 05620-2601

**THIS PAGE IS IN REFERENCE TO
THE LICENSE RENEWAL
APPLICATION BOUNDARY
DRAWINGS FOR VERMONT
YANKEE NUCLEAR POWER
STATION**

**DRAWING WERE SCANNED,
ADDED TO ADAMS AND
INCLUDED IN THE ADAMS
PACKAGE WITH THE
TRANSMITTAL LETTER.
REFERENCE THE SUBSEQUENT
INDICES IMMEDIATELY
FOLLOWING THIS PAGE/IMAGE**

BVY 06-010
Docket No. 50-271

Enclosure

Vermont Yankee Nuclear Power Station
License No. DPR-28
License Renewal Application Boundary Drawings

VYNPS LRA DRAWING LIST

Drawing	Sheet Number	Title	Filename
LRA-33600-A-00217		Engineering Flow Diagram Turbine Bldg Area Off Gas Modification	lra-33600-a-00217_22
LRA-5920-00870		HPCI Turbine Oil Piping Diagram	lra-5920-00870_11
LRA-5920-4147		Schematic Air/Jacket Coolant System	lra-5920-4147_19
LRA-5920-4150		Schematic Lube Oil System	lra-5920-4150_09
LRA-G-191155		Piping and Instrument Symbols	lra-g-191155_19
LRA-G-191156		Main, Extraction & Auxiliary Steam Systems	lra-g-191156_37
LRA-G-191159	1	Service Water System	lra-g-191159-sh-01_72
LRA-G-191159	2	Service Water System	lra-g-191159-sh-02_85
LRA-G-191159	3	RCW Cooling Water System	lra-g-191159-sh-03_37
LRA-G-191159	5	Recirculation Pump Cooling Water	lra-g-191159-sh-05_16
LRA-G-191160	3	Instrument Air System	lra-g-191160-sh-03_29
LRA-G-191160	4	Instrument Air System	lra-g-191160-sh-04_19
LRA-G-191160	5	Service Air System	lra-g-191160-sh-05_21
LRA-G-191160	6	Service Air System	lra-g-191160-sh-06_10
LRA-G-191160	7	Diesel Generator Starting Air System	lra-g-191160-sh-07_22
LRA-G-191160	8	Instrument Air System	lra-g-191160-sh-08_03
LRA-G-191162	2	Miscellaneous Systems Fuel Oil	lra-g-191162-sh-02_25
LRA-G-191163	1	Fire Protection System Inner Loop	lra-g-191163-sh-01_39
LRA-G-191163	2	Fire Protection System Outer Loop	lra-g-191163-sh-02_13
LRA-G-191163	3	Fire Protection System Low Pressure CO2	lra-g-191163-sh-03_06
LRA-G-191163	4	Control Room Bldg Cable Vault East & West Switchgear Rooms	lra-g-191163-sh-04_00
LRA-G-191164	1	Sampling System	lra-g-191164_23
LRA-G-191165	2	Sampling System	lra-g-191165_44
LRA-G-191167		Nuclear Boiler	lra-g-191167_75
LRA-G-191168		Core Spray System	lra-g-191168_43
LRA-G-191169	1	High Pressure Coolant Injection System	lra-g-191169-sh-01_47
LRA-G-191169	2	High Pressure Coolant Injection System	lra-g-191169-sh-02_43
LRA-G-191170		Control Rod Drive Hydraulic System	lra-g-191170_48
LRA-G-191171		Standby Liquid Control System	lra-g-191171_25
LRA-G-191172		Residual Heat Removal System	lra-g-191172_64
LRA-G-191173	1	Fuel Pool Cooling & Cleanup System	lra-g-191173-sh-01_36
LRA-G-191173	2	Fuel Pool Cooling & Clean Up System	lra-g-191173-sh-02_08
LRA-G-191174	1	Reactor Core Isolation Cooling System	lra-g-191174-sh-01_42
LRA-G-191174	2	Reactor Core Isolation Cooling System	lra-g-191174-sh-02_23
LRA-G-191175	1	Primary Containment & Atmos. Control System	lra-g-191175-sh-01_70
LRA-G-191175	2	Nitrogen Supply System	lra-g-191175-sh-02_20
LRA-G-191176	1	Condensate & Demineralized Water Transfer System	lra-g-191176-sh-01_41
LRA-G-191177	1	Radwaste Systems	lra-g-191177-sh-01_39
LRA-G-191178	1	Reactor Water Clean-Up System	lra-g-191178-sh-01_49
LRA-G-191237	1	HVAC-Turbine, Service & Control Room Buildings	lra-g-191237-sh-01_46

Drawing	Sheet Number	Title	Filename
LRA-G-191237	2	HVAC-Turbine, Service & Control Room Buildings	lra-g-191237-sh-02_10
LRA-G-191238		HVAC-Reactor Building	lra-g-191238_33
LRA-G-191248	3	HVAC-Equipment Room	lra-g-191248_16
LRA-G-191267	1	Nuclear Boiler Vessel Instrumentation	lra-g-191267-sh-01_30
LRA-G-191267	2	Nuclear Boiler Vessel Instrumentation	lra-g-191267-sh-02_05
LRA-VY-E-75-002		Containment Atmosphere Dilution System (CAD)	lra-vy-e-75-002_20