September 8, 2005

Mr. David A. Christian
Senior Vice President and Chief Nuclear Officer
Dominion Resources Services
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

SUBJECT: SUPPLEMENTAL REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING THE ENVIRONMENTAL PORTION OF THE EARLY SITE PERMIT (ESP) APPLICATION FOR THE NORTH ANNA SITE (TAC NO. MC1128)

Dear Mr. Christian:

As a result of the staff's continuing review of the environmental portions of the application by Dominion Nuclear North Anna, LLC (Dominion) for an early site permit at the North Anna ESP site, the staff has identified the need for additional information regarding the status of compliance with certain requirements associated with the proposed action. Enclosed is the staff's RAI. As discussed with your staff, we request that you provide your response to this RAI within two weeks in order to support the early site permit review schedule.

If you have any questions concerning the RAI, please contact me at 301-415-1424 or via e-mail at JXC9@nrc.gov.

Sincerely,

/RA/

Jack Cushing, Senior Project Manager
Environmental Section
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No.: 52-008

Enclosure: As stated

cc w/enclosure: See next page

September 8, 2005

Mr. David A. Christian
Senior Vice President and Chief Nuclear Officer
Dominion Resources Services
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

SUBJECT: SUPPLEMENTAL REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING THE ENVIRONMENTAL PORTION OF THE EARLY SITE PERMIT (ESP) APPLICATION FOR THE NORTH ANNA SITE (TAC NO. MC1128)

Dear Mr. Christian:

As a result of the staff's continuing review of the environmental portions of the application by Dominion Nuclear North Anna, LLC (Dominion) for an early site permit at the North Anna ESP site, the staff has identified the need for additional information regarding the status of compliance with certain requirements associated with the proposed action. Enclosed is the staff's RAI. As discussed with your staff, we request that you provide your response to this RAI within two weeks in order to support the early site permit review schedule.

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/RA/
Jack Cushing, Senior Project Manager
Environmental Section
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No.: 52-008
Enclosure: As stated
cc w/enclosure: See next page

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OFFICE	PM:RLEP:DRIP	LA:RLEP:DRIP	PM:RLEP:DRIP	OGC NLO	SC:RLEP:DRIP
NAME	AWilliamson	MJenkins	JCushing	RWeisman	AKugler
DATE	08/29/05	08/29/05	08/29/05	09/6/05	09/ 8/05

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Distribution : Ltr to Mr. D. Christian, RAI Regarding the ESP Application for the North Anna Site, Dated: September 8, 2005

ADAMS Accession No.: ML052520272

RLEP/Environmental R/F
M. Parkhurst, PNNL
M. Jenkins, Y. Edmonds
B. Zalcman
B. Sheron (RidsNrrAdpt)
P. T. Kuo (RidsNrrDripRlep)
RidsOgcMailCenter
ACRS/ANCW
RIDSRgn1MailCenter
T. Smith
W. Borchardt (RidsNrrOD)
D. Matthews/F. Gillespie (RidsNrrDrip)
A. Williamson
OCA
B. Sosa
A. Kugler
K. Clark
R. Weisman/M.Woods

Supplemental Request for Additional Information Regarding
Dominion Nuclear North Anna, LLC (Dominion) Early Site Permit Application
For the North Anna ESP Site

1. Confirm that Revision 5 of your application submitted on July 25, 2005, did not change any of the information in the environmental report section of the application. If Revision 5 did change any of the information in the ER, specifically identify the changed information including the ER section number.

2. The plant parameter envelope serves as a surrogate for the reactor design at the ESP stage. Table 3.1-1 of the ER is titled Plant Parameter Envelope and Table 3.1-9 is titled ESP Site Characteristics and Design Parameters. Is Table 3.1-9, Part 2 Design Parameters, the plant parameter envelope?

3. The maximum noise value produced by operation of the cooling towers is stated in Table 3.1-9 as less than 60-65 dbA at the exclusion area boundary (EAB). Please confirm that the upper range value (65 dbA) is the bounding value measured from the closest point of the cooling towers to the EAB.

4. The description of the evaporation rate in Table 3.1-9 specifies the average rate of water loss of 13,000 gpm at full load and full flow rate with a cooling water temperature rise of 18EF. Unit 3 will operate under conditions other than the one specified above. Is the 13,000 gpm evaporation bounding under all long term average operating conditions?

Enclosure

cc:

Ms. Lillian M. Cuoco, Esq.
Senior Counsel
Dominion Resources Services, Inc.
Rope Ferry Road
Building 475, 5th Floor
Waterford, CT 06385

Mr. C. Lee Lintecum
County Administrator
Louisa County
PO Box 160
Louisa, VA 23093

Mr. David R. Lewis
Pillsbury Winthrop Shaw Pittman
2300 N Street, N.W.
Washington, DC 20037

Dr. W. T. Lough
VAState Corporation Commission
Division of Energy Regulation
PO Box 1197
Richmond, VA 23209

Office of the Attorney General
Commonwealth of Virginia
900 East Main Street
Richmond, VA 23219

Senior Resident Inspector
North Anna Power Station
U. S. Nuclear Regulatory Commission
1024 Haley Drive
Mineral, VA 23117

Mr. Robert B. Strobe, M.D., M.P.H.
State Health Commissioner
Office of the Commissioner
VA Department of Health
PO Box 2448
Richmond, VA 23218

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

Mr. Paul Gunter
Director of the Reactor Watchdog Project
Nuclear Information & Resource Service
1424 16th Street, NW, Suite 404
Washington, DC 20036

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

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

Mr. Thomas P. Miller
U.S. Department of Energy
Headquarters - Germantown
19901 Germantown Road
Germantown, MD 20874-1290

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

Ms. Patricia Campbell
Morgan Lewis
1111 Pennsylvania Avenue
Washington, DC 20004

Mr. Ernie H. Kennedy
Vice President New Plants
Nuclear Plant Projects
Westinghouse Electric Company
2000 Day Hill Road
Windsor, CT 06095-0500

Dr. Regis A. Matzie
Senior Vice President and
Chief Technology Officer
Westinghouse Electric Company
2000 Day Hill Road
Windsor, CT 06095-0500

cc:

Mr. Gary Wright, Manager
Division of Nuclear Safety
Illinois Emergency Management Agency
1035 Outer Park Drive
Springfield, IL 62704

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

Mr. Tom Clements
6703 Guide Avenue
Takoma Park, MD 20912

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

Dr. Jack W. Roe
Vice President
Advanced Technologies & Laboratories
International, Inc.
20010 Century Boulevard, Suite 500
Germantown, MD 20874

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

Mr. Marvin Fertel
Senior Vice President
and Chief Nuclear Officer
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Dr. Glenn R. George
PA Consulting Group
130 Potter Street
Haddonfield, NJ 08033

Mr. Arthur R. Woods
Enercon Services, Inc.
500 TownPark Lane
Kennesaw, GA 30144

Ms. Vanessa E. Quinn, Chief
Radiological Emergency Preparedness
Section
Department of Homeland Security/FEMA
500 C Street, SW
Washington, DC 20472

Mr. Michael M. Cline, State Coordinator
VA Department of Emergency Management
10501 Trade Court
Richmond, VA 23236-3713

Mr. Jim Debiec
Director - Power Production
Old Dominion Electric Cooperative
4201 Dominion Blvd
Glen Allen, VA 23060

Mr. Thomas Mundy
Director, Project Development
Exelon Generation
200 Exelon Way, KSA3-N
Kennett Square, PA 19348

cc:

Ms. Joanne Tetrault
Librarian
Louisa County Public Library
881 Davis Highway
Mineral, VA 23117

Ms. Abhaya Thiele
406 Key West Drive
Charlottesville, VA 22911

Mr. J. Randall Wheeler
Spotsylvania County Administrator
PO Box 99
Spotsylvania Courthouse
Spotsylvania, VA 22553

Mr. Ted Coberly
Orange County Administrator
PO Box 111
Orange, VA 22690

Mr. Jerald S. Holm
Framatome ANP, Inc.
3315 Old Forest Road
PO Box 10935
Lynchburg, VA 24506-0935

External E-mail
David_Christian@dom.com
Eugene_Grecheck@dom.com
Jack_Davis@dom.com
Marvin_Smith@dom.com
Joseph_Hegner@dom.com
Lillian_Cuoco@dom.com
David_Sommers@dom.com
Vicki Hull@dom.com
Margaret_Bennett@dom.com
david.lewis@shawpittman.com
gzinke@entergy.com
jerald.holm@framatome-anp.com
mwetterhahn@winston.com
whorin@winston.com
mwetterhahn@winston.com
whorin@winston.com
gcesare@enercon.com
eddie.grant@exeloncorp.com

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

Mr. Chris L. Funderburk, Director
Nuclear Licensing & Operations Support
VAElectric Power Company
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

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

Mr. David A. Heacock
Site Vice President
VAElectric and Power Company
North Anna Power Station
PO Box 402
Mineral, VA 23117-0402

Mr. Marvin L. Smith
Project Manager
North Anna Early Site Permit Project
Dominion Energy, Inc.
5000 Dominion Blvd.
Glen Allen, VA 23060

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

Mr. James F. Mallay, Director
Regulatory Affairs
FRAMATOME, ANP
3315 Old Forest Road
Lynchburg, VA 24501

cc:

Mr. Vince Langman
Licensing Manager
Atomic Energy of Canada Limited
2251 Speakman Drive
Mississauga, Ontario
Canada L5K 1B2

Dr. Gail H. Marcus
U.S. Department of Energy
Room 5A-143
1000 Independence Ave., SW
Washington, DC 20585

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

Dr. Ethel Eaton, Manager
Office of Review and Compliance
VADepartment of Historic Resources
2801 Kensington Avenue
Richmond, VA 23221

Mr. David W. Sutherland
Chesapeake Bay Field Office
U.S. Fish and Wildlife Service
177 Admiral Cochrane Drive
Annapolis, MD 21401

Mr. Troy B. Tignor, CZA
Zoning Administrator
County of Spotsylvania
PO Box 220
Spotsylvania, VA 22553

Mr. R. Christian Eudailey, Director
Department of Fire, Rescue, and
Emergency Services
County of Spotsylvania
PO Box 818
Spotsylvania, VA 22553

Ms. Karen Mayne, Supervisor
VAField Office
U.S. Fish and Wildlife Service
6669 Short Lane
Gloucester, VA 23061

Mr. Michael Murphy
VADept. of Environmental Quality
PO Box 10009
Richmond, VA 23240-0009

Ms. Ellie Irons
VADept. of Environmental Quality
629 E. Main Street
Room 631
Richmond, VA 23219

Mr. Tom Faha
VA Dept. of Environmental Quality
Northern VARegional Office
13901 Crown Court
Woodbridge, VA 22193

Mr. Edwin Keller, Mayor
Town of Mineral
PO Box 316
102 East First Street
Mineral, VA 23117

Mr. Bill Borduin
Lake Anna Civic Association
637 Bear Castle Drive
Bumpass, VA 23024

Mr. C. Edward Kube, Jr.
Orange County Administrator
PO Box 111
Orange, VA 22960

Mr. R. Duff Green
Orange County Emergency Manager
PO Box 111
Orange, VA 22960

Spotsylvania County Administrator
PO Box 99
Spotsylvania, VA 22553-0099

cc:

Mr. Richard Goss
Planning Director
County of Spotsylvania
PO Box 876
Spotsylvania, VA 22553

Bill Murphey
449 Lakeway Road
Mineral, VA 23117

John A. Hoyt
320 Bear Castle Drive
Bumpass, VA 23024

Marione Cobb
138 Twin Oaks Road
Louisa, VA 23093

Olivia Ryan
Valere Real Estate
9942 Kentucky Springs Road
Mineral, VA 23117

Brianne Boylan
138 Twin Oaks Road
Louisa, VA 23093

Sam Forrest
1800 Rock Quarry Road
Louisa, VA 23093

Carrie E. Girstantas, M.E.
Department of Systems Engineering
University of Virginia
1111 Sherwood Avenue
Charlottesville, VA 22903

Carrie E. Girstantas
415 W. Green Springs Road
Gordonsville, VA 22942

Louis Zeller
BREDL
PO Box 88
Glendale Springs, NC 28629

Amzic Sullivan
9443 Dyke Road
Dyke, VA 22935

Terry M. Jones
PO Box 95
Louisa, VA 23093

Dan Holmes
Piedmont Environmental Council
PO Box 266
Orange, VA 22960

Ernest Reed
Living Education Center for Ecology and the Arts
PO Box 2612
Charlottesville, VA 22902

Alexis Zeigler
912 Woodfolk Drive
Charlottesville, VA 22902

Brian Buckley
Catholic Worker
16560 Louisa Road
Trevilians, VA 23170

Donal Day
Piedmont Alliance for Safe Energy
151 Buckingham Circle
Charlottesville, VA 22903

Jean Moss Holland
254 Moss Lane
Bumpass, VA 23024

Jon Kessler
1125 Little High Street
Charlottesville, VA 22902

Irene Luck
The Central Virginian
PO Box 464
Louisa, VA 23093

cc:

Bill Maher
203 Hazelton Court
Mullica Hill, NJ 08062

Renee Edwards
755 Bohannon Road
Bumpass, VA 23024

Casey Herndon
Living Education Center for Ecology and the Arts
2422 Jefferson Park Avenue
Charlottesville, VA 22903

Tony Banks
Dominion
5000 Dominion Blvd.
Glen Allen, VA 23060

Bob Arment
408 Lakeway Road
Mineral, VA 23117

Robert H. Meier
26 Lizzie Lane
Bumpass, VA 23024

Tom Wilcox
VA Dept. of Game and Inland Fisheries
4010 West Broad Street
Richmond, VA 23230

Rusty Dennen
The FreeLance-Star
616 Amelia Street
Fredericksburg, VA 22401

Maggie McIlvaine
PO Box 364
Keswick, VA 22947

Lawrence Katz
218 Tara Woods Drive
Bumpass, VA 23024

Howard West
138 Rhett Butler Drive
Bumpass, VA 23024

Jim Peck
139 Rhett Butler Drive
Bumpass, VA 23024

Marilyn Root
Lake Anna Observer
191 Lakewood Landing Drive
Bumpass, VA 23024

Richard Zuercker
Dominion
5000 Dominion Blvd.
Glen Allen, VA 23060

Gary Voelker
Lake Anna Civic Association
11708 Jonas Adolph Lane
Bumpass, VA 23024

Pat and Ed Mitchell
9626 Fredericks Hall Road
Mineral, VA 23117

Steven Boretos
5116 Ridge Road
Spotsylvania, VA 23117

Eric Sheffield
Rockbridge Greens
1 South river Road
Buena Vista, VA 24416

Karen Patterson
Tetra Tech NUS
900 Trail Ridge Road
Aiken, SC 29803

Mike Duffey
Dominion
16119 Goshen Road
Montpelier, VA 23192

Kristina Cruise
newsdesk@nbc29.com

Aviv Goldsmith
6147 Hickory Ridge Road
Spotsylvania, VA 22553

cc:

Ms Jean Cargile
2525 Harrington Rd
Gordonsville, VA 22942

Jana Cutlip
Green Party of Virginia
PO Box 161
Batesville, VA 22924

Dwight Baker
Cumberland Consulting
68 Perkins Road
Cartersville, VA 23027

Dick Clark
President, Oakridge Civic Assn.
11679 Mavennel Road
Fairfax Station, VA 22039

Asa Vegodsky
108 Eastbrook Ct
Charlottesville, VA 22901

Richard Ball
4022 Downing Street
Annanchale, VA 22003

Ken Remmers
Waterside Prop. On Assoc.
2301 Waterside Drive
Bumpass, VA 23024

Rena Martin-Errick
People Alliance
138 Twin Oaks Road, #D-4
Louisa, VA 23093

George Waksmvnski
United Electrical Union
140 Sherwood Drive
Waynesboro, VA 22980

Lisa Shell
North American-Young Generation Nuclear
5000 Dominion Blvd.
Glen Allen, VA 23060

Arjun Makhijani
IEER
6935 Laurel Ave, Suite 201
Takoma Park, MD 20912

Scott Peterson
Nuclear Energy Institute
1776 Eye Street NW, Suite 400
Washington, DC 20006

Brian Smith
Nuclear Energy Institute
1776 Eye Street NW, Suite 400
Washington, DC 20006

Page Kemp
Dominion NAPS
171 Kents Mill Road
Louisa, VA 23093

Fred Salmons
IVOE
3801 Jefferson Davis Highway
Richmond, VA 23223

Sid Kere
Dominion
sid_kere@dom.com

Michael Pinion
2570 Wanstead Court
Richmond, VA 23238

Ron Mickens
Dominion
8908 Leeds Ct
Fredericksburg, VA 22408

Steve Seitz
AREVA
100 Dean Road
East Lyme, CT 06333

cc:

Ray Ganthner
AREVA, Framatome ANP, Inc.
3315 Old ForestRoad
PO Box 10935
Lynchburg, VA 24506-0935

John Daily
ITRON
19261 Bowles Knobb Drive
Rockville, VA 23146

Norris McDonald
AAEA
9903 Caltor Lane
Ft. Washington, MD 20744

Richard L. Baker
Bechtel Power Corporation
5275 Westview Drive
Frederick, MD 21703-830

Stephen Mazurkrewicz
Framatome ANP, Inc.
129 Melinda Drive
Lynchburg, VA 24502

Edna H. Musser
NAPS, Retired
6224 Frederick Hall Road
Mineral, VA 23117-4305

Sama Bilbawgleon
NA-YGN
billbaoleon@yahoo.com

Yasenta Sengerni
405 Altamont Cir.
Charlottesville, VA 22902-4617

Rebecca D. Kepler
NA-YGN
4902 Evelyn Byrd Road
Richmond, VA 23225

Shawn Goodman
PO Box 2669
Spotsylvania, VA 22553

Ryan Dunn
507 E. Franklin Street
Richmond, VA 23219-2326

Walt Michelski
145 Jerdone Island Drive
Bumpass, VA 23024

Ed and Pat Mitchell
6408 Matthew Lane
Mineral, VA 23117

Roy Butler
87 Bear Castle Drive
Bumpass, VA 23024

Erich W. Dreye
566 Kellon Drive
Louisa, VA 23043

Nick Howard
3864 Three Chopt. Road
Glen Spring, VA 23065

Jean Hiatt
1534 Rugby Avenue
Charlottesville, VA 22903

Rob Pates
310 Brentwood Road
Charlottesville, VA 22901

Benjamin T. Brown
3687 Turnpike Road
Lexington, VA 24450

Robert Gibson
PO Box 160
Louisa, VA 26093

Karen A. McMahon
15104 Cedar Lane
Orange, VA 22960-9108

Carolyn Kardan
1889 Wilmington Road
Palmyre, VA 22963

cc:

M. C. MaMahon
15104 Cedar Lane
Orange, VA 22960-9108

Eric Gvacyalny
8308 Whistlor Road
Richmond, VA 23227

Sophie Gutner
PO Box 4646
Glen Allen, VA 23058

Addison Hall
10267 Aynhoe Ct
Mechanicsville, VA 23116

Deborah Pinion
2570 Wanstead Ct
Ricmond, VA 23238

Suzanie Michels
600 Northwood
Culle, VA 22902

Todd Flowers
4013 Stuart Ave
Richmond, VA 23060

Fred Gruber
59. S. Lakeshore Drive
Louisa, VA 23093-5700

Robert Singleterry
617 Todd Trail
Newport News, VA 23602

Tyla Maheson
4896 Burnham Road
Richmond, VA 23234

VARornyak
6861 Castleberry Ct.
Crozet, VA 22932

Jay R. Bolon
318 Lois Lane
Mineral, VA 23117

Rebecca Faris
3378 Cotswold Lane
Keswick, VA 22947

Ben Slone
2052 Maidens Road
Maidens, VA 23102

James A. Bryan
PO Box 30
Batesville, VA 222924

Deborah Bors
138 Twin Oaks Road
Louisa, VA 23093

Ray Turyel
87 Sandy Point Drive
Bumpass, VA 23024

Jacob Hosen
1206-B Jamestown Road
Williamsburg, VA 23185

Julie Curry
PO Box 141
Batesville, VA 22924

Heather W. Peck
760 Lexington Avenue
Charlottesville, VA 22902

Barbara Crawford
139 Cedar Hill Trail
Mineral, VA 23117

Richard L. Geddes
807 Big Pine Road
North Augusta, SC 29841