

July 5, 2007

Mr. Christopher M. Crane
President and Chief Nuclear Officer
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: BRAIDWOOD STATION, UNITS 1 AND 2; BYRON STATION, UNIT NOS. 1 AND 2; CLINTON POWER STATION, UNIT NO. 1; DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3, AND INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI); LASALLE COUNTY STATION, UNITS 1 AND 2; LIMERICK GENERATING STATION, UNITS 1 AND 2; OYSTER CREEK NUCLEAR GENERATING STATION AND ISFSI; PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 AND ISFSI; QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2; AND THREE MILE ISLAND NUCLEAR STATION, UNIT 1 - APPROVAL TO USE DELTA PROTECTION MURUROA MODEL BLU SINGLE-USE SELF-FED RESPIRATORY PROTECTION EQUIPMENT (TAC NOS. MD4469 THRU MD4485)

Dear Mr. Crane:

By letter dated February 15, 2007 (Agencywide Documents and Access Management System (ADAMS) Accession No. ML070470639), Exelon Generation Company, LLC, and AmerGen Energy Company, LLC (Exelon, or the licensees), requested that the U.S. Nuclear Regulatory Commission (NRC) authorize the use of equipment that has not been tested or certified by the National Institute for Occupational Safety and Health (NIOSH) for Exelon, pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Part 20, Section 1703(b), "Use of individual respiratory protection equipment."

Specifically, Exelon requested authorization to use the Delta Protection's Mururoa BLU single-use, self-fed, respiratory suits (hereafter referred to as the Delta BLU suit), which is described in "Topical Report [TR] of Delta Protection Mururoa BLU Single Use Suits," dated October 27, 2005 (TR MURUBLU05NP), manufactured by Delta Protection, France, and was previously reviewed and approved by the NRC by letter dated April 10, 2006 (ADAMS Accession No. ML060950499).

The NRC staff's safety evaluation (SE) for TR MURUBLU05NP concluded the following:

Based on the NRC staff's review of the referenced TR, the NRC staff concludes that the use of the Mururoa BLU (polyvinyl chloride or Ethyfuge) protective suit systems, consistent with the configuration and conditions of use noted above, is in accordance with the requirements of 10 CFR Part 20. Granting an approval for the use of these suits with APF (assigned protection factor) of 2000, against airborne particulate contamination, will improve overall worker safety while working in high surface contaminated areas, and in high and potentially high airborne radioactivity areas, satisfies the 10 CFR Part 20 ALARA (i.e., as low as reasonably achievable) requirements, and is, therefore, acceptable.

The NRC staff specified the configurations and conditions of use for the Delta BLU suits in Section 4.0, "Approved Device Configuration and Conditions of Use," of the April 10, 2006, TR SE, for the Delta BLU suits.

In its request, Exelon committed to use the Delta BLU suits consistent with TR MURUBLU05NP and Section 4.0 of the NRC staff's SE, and did not request any exceptions from the approved configurations and conditions of use specified in Section 4.0 of the NRC staff's April 10, 2006, SE.

The NRC staff finds that the regulatory commitments made by the licensee in the enclosure to its February 15, 2007, application are sufficient to ensure that the licensee will implement the use of this respiratory protective device, consistent with TR MURUBLU05NP and the conclusions in the NRC staff's SE dated April 10, 2006.

Therefore, based on the information provided in your request, and the above discussion, the NRC staff concludes that the licensees' request for the use of the Delta BLU suits with an APF value of 2000 is acceptable for the subject Exelon facilities.

Please contact me at (301) 415-1055, if you have any questions on this matter.

Sincerely,

/RA/

Christopher Gratton, Senior Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. STN 50-456 and STN 50-457; STN 50-454
and STN 50-455; 50-461; 50-237, 50-249 and 72-37;
50-373 and 50-374; 50-352 and 50-353; 50-219 and 72-15;
50-277, 50-278, and 72-1027; 50-254 and 50-265; and
50-289

The NRC staff specified the configurations and conditions of use for the Delta BLU suits in Section 4.0, "Approved Device Configuration and Conditions of Use," of the April 10, 2006, TR SE, for the Delta BLU suits.

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The NRC staff finds that the regulatory commitments made by the licensee in the enclosure to its February 15, 2007, application are sufficient to ensure that the licensee will implement the use of this respiratory protective device, consistent with TR MURUBLU05NP and the conclusions in the NRC staff's SE dated April 10, 2006.

Therefore, based on the information provided in your request, and the above discussion, the NRC staff concludes that the licensees' request for the use of the Delta BLU suits with an APF value of 2000 is acceptable for the subject Exelon facilities.

Please contact me at (301) 415-1055, if you have any questions on this matter.

Sincerely,
/RA/
 Christopher Gratton, Senior Project Manager
 Plant Licensing Branch III-2
 Division of Operating Reactor Licensing
 Office of Nuclear Reactor Regulation

Docket Nos. STN 50-456 and STN 50-457; STN 50-454 and STN 50-455; 50-461; 50-237, 50-249 and 72-37; 50-373 and 50-374; 50-352 and 50-353; 50-219 and 72-15; 50-277, 50-278, and 72-1027; 50-254 and 50-265; and 50-289

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OFFICE:	LPL3-2/PM	LPL3-2/LA	DIRS/IHPB	LPL3-2/BC
NAME:	CGratton	EWhitt	RPedersen	RGibbs
DATE:	6/21/07	6/21/07	6/22/07	7/5/07

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Byron/Braidwood Stations

cc:

Dwain W. Alexander, Project Manager
via e-mail

Howard A. Learner
Environmental Law and Policy
Center of the Midwest
35 East Wacker Dr., Suite 1300
Chicago, IL 60601-2110

U.S. Nuclear Regulatory Commission
Byron Resident Inspectors Office
4448 N. German Church Road
Byron, IL 61010-9750

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Ms. Lorraine Creek
RR 1, Box 182
Manteno, IL 60950

Chairman, Ogle County Board
Post Office Box 357
Oregon, IL 61061

Mrs. Phillip B. Johnson
1907 Stratford Lane
Rockford, IL 61107

Attorney General
500 S. Second Street
Springfield, IL 62701

Illinois Emergency Management
Agency
Division of Disaster Assistance &
Preparedness
1035 Outer Park Dr.
Springfield, IL 62704

Plant Manager - Byron Station
via e-mail

Site Vice President - Byron
via e-mail

U.S. Nuclear Regulatory Commission
Braidwood Resident Inspectors Office
35100 S. Rt. 53, Suite 79
Braceville, IL 60407

County Executive
via e-mail

Plant Manager - Braidwood Station
via e-mail

Ms. Bridget Little Rorem
Appleseed Coordinator
via e-mail

Document Control Desk - Licensing
via e-mail

Site Vice President - Braidwood
via e-mail

Senior Vice President - Operations Support
via e-mail

Byron/Braidwood Stations

cc:

Director - Licensing and Regulatory
Affairs
via e-mail

Manager Regulatory Assurance - Braidwood
via e-mail

Manager Regulatory Assurance - Byron
via e-mail

Associate General Counsel
via e-mail

Vice President - Regulatory Affairs
via e-mail

Manager Licensing
via e-mail

Senior Vice President - Midwest Operations
via e-mail

Clinton Power Station, Unit 1

cc:

Manager Regulatory Assurance - Clinton
via e-mail

Site Vice President - Clinton Power Station
via e-mail

Plant Manager - Clinton Power Station
via e-mail

Resident Inspector
U.S. Nuclear Regulatory Commission
RR #3, Box 229A
Clinton, IL 61727

Chairman of DeWitt County
c/o County Clerk's Office
DeWitt County Courthouse
Clinton, IL 61727

J. W. Blattner
Project Manager
Sargent & Lundy Engineers
55 East Monroe Street
Chicago, IL 60603

**Dresden and Quad Cities Nuclear Power
Stations, Units 1 and 2**

cc:

Site Vice President - Dresden Nuclear Power
Station
via e-mail

Plant Manager - Dresden Nuclear Power
Station
via e-mail

Manager Regulatory Assurance - Dresden
via e-mail

U.S. Nuclear Regulatory Commission
Dresden Resident Inspectors Office
6500 N. Dresden Road
Morris, IL 60450-9766

Chairman
Grundy County Board
Administration Building
1320 Union Street
Morris, IL 60450

Site Vice President - Quad Cities
via e-mail

Plant Manager - Quad Cities
via e-mail

Manager Regulatory Assurance - Quad
Cities
via e-mail

Quad Cities Resident Inspectors Office
U.S. Nuclear Regulatory Commission
22712 206th Avenue N.
Cordova, IL 61242

David C. Tubbs
MidAmerican Energy Company
via e-mail

Vice President - Law and Regulatory Affairs
MidAmerican Energy Company
One River Center Place
106 E. Second Street
P.O. Box 4350
Davenport, IA 52808

Chairman
Rock Island County Board of Supervisors
1504 3rd Avenue
Rock Island County Office Bldg.
Rock Island, IL 61201

LaSalle County Station, Units 1 and 2

cc:

Site Vice President - LaSalle County Station
via e-mail

Plant Manager - LaSalle County Station
via e-mail

Manager Regulatory Assurance - LaSalle
via e-mail

U.S. Nuclear Regulatory Commission
LaSalle Resident Inspectors Office
2605 North 21st Road
Marseilles, IL 61341-9756

Phillip P. Steptoe, Esquire
Sidley and Austin
One First National Plaza
Chicago, IL 60603

Assistant Attorney General
100 W. Randolph St. Suite 12
Chicago, IL 60601

Chairman
LaSalle County Board
707 Etna Road
Ottawa, IL 61350

Chairman
Illinois Commerce Commission
527 E. Capitol Avenue, Leland Building
Springfield, IL 62706

Robert Cushing, Chief, Public Utilities
Division
Illinois Attorney General's Office
100 W. Randolph Street
Chicago, IL 60601

Limerick Generating Station, Unit Nos. 1 and 2

cc:

Site Vice President
Limerick Generating Station
Exelon Generation Company, LLC
P.O. Box 2300
Sanatoga, PA 19464

Plant Manager
Limerick Generating Station
Exelon Generation Company, LLC
P.O. Box 2300
Sanatoga, PA 19464

Regulatory Assurance Manager - Limerick
Exelon Generation Company, LLC
P.O. Box 2300
Sanatoga, PA 19464

Vice President - Operations, Mid-Atlantic
Exelon Generation Company, LLC
200 Exelon Way, KSA 3-N
Kennett Square, PA 19348

Vice President
Licensing and Regulatory Affairs
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Director
Licensing and Regulatory Affairs
Exelon Generation Company, LLC
200 Exelon Way, KSA 3-E
Kennett Square, PA 19348

Manager Licensing
Exelon Generation Company, LLC
200 Exelon Way, KSA 3-E
Kennett Square, PA 19348

Correspondence Control Desk
Exelon Generation Company, LLC
P.O. Box 160
Kennett Square, PA 19348

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission

475 Allendale Road
King of Prussia, PA 19406

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Limerick Generating Station
P.O. Box 596
Pottstown, PA 19464

Library
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Director, Bureau of Radiation Protection
Pennsylvania Dept. of Environmental
Protection
Rachel Carson State Office Building
P.O. Box 8469
Harrisburg, PA 17105-8469

Chairman
Board of Supervisors of Limerick Township
646 West Ridge Pike
Linfield, PA 19468

Dr. Judith Johnsrud
National Energy Committee
Sierra Club
433 Orlando Avenue
State College, PA 16803

Associate General Counsel
Exelon Generating Company, LLC
4300 Winfield Road
Warrenville, IL 60555

**Peach Bottom Atomic Power Station,
Unit Nos. 2 and 3**

cc:

Site Vice President
Peach Bottom Atomic Power Station
Exelon Generation Company, LLC
1848 Lay Road
Delta, PA 17314

Plant Manager
Peach Bottom Atomic Power Station
Exelon Generation Company, LLC
1848 Lay Road
Delta, PA 17314

Regulatory Assurance Manager
Peach Bottom Atomic Power Station
Exelon Generation Company, LLC
1848 Lay Road
Delta, PA 17314

Resident Inspector
U.S. Nuclear Regulatory Commission
Peach Bottom Atomic Power Station
P.O. Box 399
Delta, PA 17314

Mr. Roland Fletcher
Department of Environment
Radiological Health Program
2400 Broening Highway
Baltimore, MD 21224

Board of Supervisors
Peach Bottom Township
545 Broad Street Ext.
Delta, PA 17314-9203

Mr. Richard McLean
Power Plant and Environmental
Review Division
Department of Natural Resources
B-3, Tawes State Office Building
Annapolis, MD 21401

Manager-Financial Control & Co-Owner
Affairs
Public Service Electric and Gas Company
P.O. Box 236
Hancocks Bridge, NJ 08038-0236

475 Allendale Road
King of Prussia, PA 19406

Michael A. Schoppman
Framatome ANP
Suite 705
1911 North Ft. Myer Drive
Rosslyn, VA 22209

Three Mile Island Nuclear Station, Unit 1

Eric Epstein
TMI Alert
4100 Hillsdale Road
Harrisburg, PA 17112

cc:

Site Vice President - Three Mile Island
Nuclear Station, Unit 1
AmerGen Energy Company, LLC
P. O. Box 480
Middletown, PA 17057

Oyster Creek Nuclear Generating Station

cc:

Chairman
Board of County Commissioners
of Dauphin County
Dauphin County Courthouse
Harrisburg, PA 17120

Site Vice President - Oyster Creek
Nuclear Generating Station
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731

Chairman
Board of Supervisors
of Londonderry Township
R.D. #1, Geyers Church Road
Middletown, PA 17057

Kathryn M. Sutton, Esquire
Morgan, Lewis, & Bockius LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004

Senior Resident Inspector (TMI-1)
U.S. Nuclear Regulatory Commission
P.O. Box 219
Middletown, PA 17057

Kent Tosch, Chief
New Jersey Department of
Environmental Protection
Bureau of Nuclear Engineering CN 415
Trenton, NJ 08625

Plant Manager - Three Mile Island Nuclear
Station, Unit 1
AmerGen Energy Company, LLC
P. O. Box 480
Middletown, PA 17057

Mayor of Lacey Township
818 West Lacey Road
Forked River, NJ 08731

Regulatory Assurance Manager - Three Mile
Island Nuclear Station, Unit 1
AmerGen Energy Company, LLC
P.O. Box 480
Middletown, PA 17057

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 445
Forked River, NJ 08731

Ronald Bellamy, Region I
U.S. Nuclear Regulatory Commission

Mayor of Lacey Township
818 West Lacey Road
Forked River, NJ 08731

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 445
Forked River, NJ 08731

Oyster Creek Nuclear Generating Station
Plant Manager
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731

Zion Nuclear Power Station

cc:

Decommissioning Plant Manager - Zion
Exelon Generation Company, LLC
101 Shiloh Boulevard
Zion, IL 60099-2797

Regulatory Assurance Engineer - Zion
Exelon Generation Company, LLC
101 Shiloh Boulevard
Zion, IL 60099-2797