

An Exelon Company
AmerGen Energy Company, LLC
4300 Winfield Road
Warrenville, IL 60555

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(I.C.M B.5.b Compliance)

Nuclear
Exelon Generation
4300 Winfield Road
Warrenville, IL 60555

SAFEGUARDS INFORMATION

May 31, 2005

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

Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Clinton Power Station, Unit 1
Facility Operating License No. NPF-62
NRC Docket No. 50-461

Dresden Nuclear Power Station, Units 2 and 3
Renewed Facility Operating License Nos. DPR-19 and DPR-25
NRC Docket Nos. 50-237 and 50-249

LaSalle County Station, Units 1 and 2
Facility Operating License Nos. NPF-11 and NPF-18
NRC Docket Nos. 50-373 and 50-374

Limerick Generating Station, Units 1 and 2
Facility Operating License Nos. NPF-39 and NPF-85
NRC Docket Nos. 50-352 and 50-353

Oyster Creek Generating Station
Facility Operating License No. DPR-16
NRC Docket No. 50-219

Peach Bottom Atomic Power Station, Units 2 and 3
Renewed Facility Operating License Nos. DPR-44 and DPR-56
NRC Docket Nos. 50-277 and 50-278

NOTE: ATTACHMENTS 1a – 1j AND 3a – 3j TO THIS LETTER CONTAIN "SAFEGUARDS INFORMATION" AND MUST BE PROTECTED ACCORDINGLY. UPON REMOVAL OF ATTACHMENTS 1a – 1j AND 3a – 3j, THIS LETTER IS "DECONTROLLED."

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Quad Cities Nuclear Power Station, Units 1 and 2
Renewed Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Three Mile Island Nuclear Station, Unit 1
Facility Operating License No. DPR-50
NRC Docket No. 50-289

SUBJECT: Response to NRC Guidance Regarding Mitigation Strategies

The NRC issued *Orders For Interim Safeguards and Security Compensatory Measures* ("Order EA-02-026" or "ICM Order") dated February 25, 2002, for Braidwood Station Units 1 and 2, Byron Station Units 1 and 2, Clinton Power Station Unit 1, Dresden Nuclear Power Station Units 2 and 3, LaSalle County Station Units 1 and 2, Limerick Generating Station Units 1 and 2, Oyster Creek Generating Station, Peach Bottom Atomic Power Station Units 2 and 3, Quad Cities Nuclear Power Station Units 1 and 2, and Three Mile Island Nuclear Station Unit 1.

Order EA-02-026 imposed requirements on nuclear power plants licensed pursuant to the Atomic Energy Act of 1954 and Title 10 of the Code of Federal Regulations. Section III.A of the Order required licensees to implement certain changes in physical security plans and safeguards contingency plans on an interim basis until final requirements were established. Among other requirements, Exelon Generation Company, LLC (Exelon) and AmerGen Energy Company, LLC (AmerGen) were required to complete implementation of the requirements of Section II.B.5.b. of Order EA-02-026 by August 31, 2002.

Subsequently, the NRC issued Orders, dated April 29, 2003, Requiring Compliance with Revised Design Basis Threat for Operating Power Reactors ("Order EA-03-086" or "DBT Order") and other security related Orders (collectively "Orders") for Braidwood Station Units 1 and 2, Byron Station Units 1 and 2, Clinton Power Station Unit 1, Dresden Nuclear Power Station Units 2 and 3, LaSalle County Station Units 1 and 2, Limerick Generating Station Units 1 and 2, Oyster Creek Generating Station, Peach Bottom Atomic Power Station Units 2 and 3, Quad Cities Nuclear Power Station Units 1 and 2, and Three Mile Island Nuclear Station Unit 1. In many ways, Order EA-03-086 complemented or superseded requirements the interim measures imposed by Order EA-02-026.

As required by Order EA-03-086, the plans for the above-mentioned licensed facilities have been implemented. Subsequently, Exelon and AmerGen were requested to respond to the letter from J. E. Dyer, Director, Office of Nuclear Reactor Regulation dated February 25, 2005, *NRC Staff Guidance for Use in Achieving Satisfactory Compliance with February 25, 2002, Order Section B.5.b.* ("NRC B.5.b. Guidance") by May 31, 2005, and to implement appropriate enhancements to current mitigation strategies by August 31, 2005. Specifically, nuclear power plant licensees were requested by Enclosure 2, *Developing Mitigating Strategies / Guidance for Nuclear Power Plants to Respond to Loss of Large Areas of the Plant in Accordance with B.5.b of the February 25, 2002, Order* (dated February 24, 2005) ("NRC B.5.b. Guidance"), to the February 25, 2005, letter to review the Areas of Consideration delineated in Attachment A to that Enclosure and evaluate additional considerations for potential inclusion in the licensees' mitigating strategies that licensees deemed appropriate in accordance to Attachment B to that Enclosure.

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Subsequently, the Nuclear Energy Institute ("NEI"), in conjunction with the NEI Security Working Group, developed and issued guidance for licensee use ("NEI Guidance") to assist licensees in responding to the February 25, 2005, letter.

As requested in the February 25, 2005, letter, Exelon and AmerGen have reviewed the information in Attachments A and B in accordance with the NEI Guidance and are hereby submitting, as Safeguards Information attachments to this letter (Attachments 1a - 1j), Exelon's and AmerGen's evaluation of the information the NRC provided. Attachments 1a - 1j reflect the results of a comprehensive and thorough review of the guidance and describe the considerations that Exelon and AmerGen either have already or intend to implement at Braidwood Station Units 1 and 2, Byron Station Units 1 and 2, Clinton Power Station Unit 1, Dresden Nuclear Power Station Units 2 and 3, LaSalle County Station Units 1 and 2, Limerick Generating Station Units 1 and 2, Oyster Creek Generating Station, Peach Bottom Atomic Power Station Units 2 and 3, Quad Cities Nuclear Power Station Units 1 and 2, and Three Mile Island Nuclear Station Unit 1 by August 31, 2005.

The primary guiding principles used in the conduct of these evaluations were (1) whether or not equipment and resources were "readily available," and (2) if equipment is readily available, can it be effectively utilized in a licensee's mitigating strategy. Exelon and AmerGen considered "readily available" to mean that the equipment or resources was already licensee owned, under contract, or part of an existing Memorandum of Understanding. Further, even if equipment and resources are readily available, the second criterion is to ensure that the equipment can be used in a mitigating strategy in an effective manner. Even if the equipment is readily available, it is of no value if it cannot be effective in implementing the mitigating strategy. In some cases, where full accomplishment of the expectation as written was not achievable, it was appropriate to answer a question regarding readily available as 'Yes' and note the limits, rather than stating the answer as 'No' because it cannot be fully accomplished.

In accordance with these principles, mitigative strategies are being implemented to address the NRC B.5.b. Guidance. These actions are considered to be commitments for that purpose and will be managed in accordance with Exelon's and AmerGen's commitment management system.

Attachments 2a - 2j to this letter are the schedules that Exelon and AmerGen have developed regarding the implementation of commitments resulting from the evaluations documented in Attachments 1a - 1j.

Attachments 3a - 3j to this letter specify the Exelon and AmerGen commitments resulting from the evaluations documented in Attachments 1a-1j. Attachments 3a - 3j contain Safeguards Information.

Attachments 1a - 1j and 3a - 3j to this letter contain Safeguards Information that must be protected from public disclosure pursuant to 10CFR73.21, "Requirements for the Protection of Safeguards Information." Exelon and AmerGen therefore request that Attachments 1a - 1j and 3a - 3j be withheld from public disclosure.

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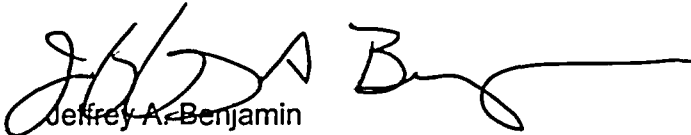
U.S. Nuclear Regulatory Commission

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If you have any questions, please contact David P. Helker at (610) 765-5525.

Respectfully submitted,



Jeffrey A. Benjamin

Vice President – Licensing and Regulatory Affairs

Exelon Generation Company, LLC

AmerGen Energy Company, LLC

Attachments: 1a -1j (Evaluation of B.5.b Guidance) [SAFEGUARDS INFORMATION]

2a - 2j (Schedules)

3a - 3j (Lists of Commitments) [SAFEGUARDS INFORMATION]

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SAFEGUARDS INFORMATION

cc: **(COVER LETTER AND ALL ATTACHMENTS)**

J. E. Dyer, Director, Office of Nuclear Reactor Regulation

Regional Administrator - NRC Region I

Regional Administrator - NRC Region III

K. N. Jabbour, Lead Project Manager (Exelon/AmerGen sites), Office of Nuclear Reactor Regulation

(COVER LETTER AND ATTACHMENT 2 ONLY)

NRC Project Manager, NRR - Braidwood Station

NRC Project Manager, NRR - Byron Station

NRC Project Manager, NRR - Clinton Power Station

NRC Project Manager, NRR - Dresden Nuclear Power Station

NRC Project Manager, NRR - LaSalle County Station

NRC Project Manager, NRR - Limerick Generating Station

NRC Project Manager, NRR - Oyster Creek Generating Station

NRC Project Manager, NRR - Peach Bottom Atomic Power Station

NRC Project Manager, NRR - Quad Cities Nuclear Power Station

NRC Project Manager, NRR - TMI Unit 1

NRC Senior Resident Inspector - Braidwood Station

NRC Senior Resident Inspector - Byron Station

NRC Senior Resident Inspector - Clinton Power Station

NRC Senior Resident Inspector - Dresden Nuclear Power Station

NRC Senior Resident Inspector - LaSalle County Station

NRC Senior Resident Inspector - Limerick Generating Station

NRC Senior Resident Inspector - Oyster Creek Generating Station

NRC Senior Resident Inspector - Peach Bottom Atomic Power Station

NRC Senior Resident Inspector - Quad Cities Nuclear Power Station

NRC Senior Resident Inspector - TMI Nuclear Station, Unit 1

Illinois Emergency Management Agency - Division of Nuclear Safety

Director, Bureau of Radiation Protection - Pennsylvania Department of Environmental Resources

Director, Bureau of Nuclear Engineering, New Jersey Department of Environmental Protection

Chairman, Board of County Commissioners of Dauphin County, PA

Chairman, Board of Supervisors of Londonderry Township, PA

Mayor of Lacey Township, Forked River, NJ

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SAFEGUARDS INFORMATION

bcc: (COVER LETTER AND ATTACHMENT 2 ONLY)

Site Vice President - Braidwood Station
Site Vice President - Byron Station
Site Vice President - Clinton Power Station
Site Vice President - Dresden Nuclear Power Station
Site Vice President - LaSalle County Station
Site Vice President - Limerick Generating Station
Site Vice President - Oyster Creek Generating Station
Site Vice President - Peach Bottom Atomic Power Station
Site Vice President - Quad Cities Nuclear Power Station
Site Vice President - TMI Unit 1
Vice President - Licensing & Regulatory Affairs
Regulatory Assurance Manager - Braidwood Station
Regulatory Assurance Manager - Byron Station
Regulatory Assurance Manager - Clinton Power Station
Regulatory Assurance Manager - Dresden Nuclear Power Station
Regulatory Assurance Manager - LaSalle County Station
Regulatory Assurance Manager - Limerick Generating Station
Regulatory Assurance Manager - Oyster Creek Generating Station
Regulatory Assurance Manager - Peach Bottom Atomic Power Station
Regulatory Assurance Manager - Quad Cities Nuclear Power Station
Regulatory Assurance Manager - TMI Unit 1
Director Licensing - Midwest
Director Licensing - Mid-Atlantic
PSEG - Financial Controls & Co-Owners Affairs
R. I. McLean, State of Maryland
R. R. Janati, Commonwealth of Pennsylvania
Manager of Energy Practice - Winston & Strawn
B. Fore, Clinton Power Station (Electronic Copy)
D. Tubbs, Mid-American Energy (Quad Cities)
PA DEP BRP Inspector - LGS, SSB2-4
PBAPS Nuclear Oversight Manager - PB, SMB4-6
LGS Nuclear Oversight Manager - LGS SMB2-5
Exelon Document Control Desk Licensing (Electronic Copy)
Records Management, KSA

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