

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

SAFEGUARDS INFORMATION

September 29, 2005

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

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 TO THIS LETTER CONTAIN "SAFEGUARDS INFORMATION" AND MUST BE PROTECTED ACCORDINGLY. UPON REMOVAL OF ATTACHMENTS 1a – 1j, 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 Request for Additional Information - NRC Guidance Regarding Mitigation Strategies

REFERENCE: (1) Letter, J. A. Benjamin (Exelon) to J. E. Dyer (USNRC) dated May 31, 2005

(2) Letter, D. M. Williams (USNRC) to D. P. Helker (Exelon) dated August 1, 2005

Background

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.

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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 your letter 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.

The Reference 1 letter provided the Exelon/AmerGen response to the NRC's February 25, 2005 letter.

Request for Additional Information

Subsequently, via the Reference 2 letter, the NRC requested additional information associated with the Exelon/AmerGen May 31, 2005 response. Preliminary (draft) responses were provided to NRC at a Safeguards meeting held at NRC headquarters on August 16, 2005.

As requested in the Reference 2 letter, Exelon and AmerGen are hereby submitting, as Safeguards Information attachments to this letter (Attachments 1a - 1j), Exelon's and AmerGen's response to the request for additional information for the following: 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.

Attachments 1a - 1j 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 be withheld from public disclosure.

Additionally, Exelon and AmerGen would like to take this opportunity to clarify certain commitments made in the Reference 1 letter involving Braidwood, Byron and Oyster Creek stations. Braidwood, Byron, and Oyster Creek have fuel storage rack Boral coupon surveillance programs that require accelerated irradiation during the early service of the racks. This accelerated irradiation requires freshly discharged fuel to be placed adjacent to the surveillance coupon holder subsequent to each refueling outage. This accelerated program is to continue for five refuelings. This surveillance program confirms the design basis of the fuel storage racks. As such, the irradiation protocol is necessary, somewhat limited in time and limited in scope. Therefore, while Braidwood, Byron and Oyster Creek will comply with the "NRC B.5.b Guidance," there will be a local exception to comply with the requirements of the Boral surveillance program.

There are no new regulatory commitments contained in this response.

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

Respectfully submitted,



Pamela B. Cowan
Director – Licensing and Regulatory Affairs
Exelon Generation Company, LLC
AmerGen Energy Company, LLC

Attachments: 1a -1j (Response to Request for Additional Information)
[SAFEGUARDS INFORMATION]

cc: (without attachments)

Regional Administrator - NRC Region I
Regional Administrator - NRC Region III
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

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Chairman, Board of County Commissioners of Dauphin County, PA
Chairman, Board of Supervisors of Londonderry Township, PA
Mayor of Lacey Township, Forked River, NJ

cc: **(with attachments)**

D. M. Williams – NRC Project Manager (B.5.b Phase 1)

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bcc: (without attachments)

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

bcc: (with attachments)

H. J. McNally – Security Manager

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