



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

November 29, 2010

**LICENSEE:** Exelon Generation Company, LLC

**FACILITY:** LaSalle County Station, Units 1 and 2 (LaSalle)

**SUBJECT:** SUMMARY OF NOVEMBER 10, 2010, PUBLIC CONFERENCE CALL WITH EXELON GENERATION COMPANY, LLC REGARDING LASALLE NETCO INSERT REQUEST (TAC NOS. ME2376 AND ME2377)

On November 10, 2010, a Category 1 public conference call was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Exelon Generation Company, LLC (the licensee) at the NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to continue discussions, from the public meeting on October 21, 2010, regarding the license amendment request (LAR) (Agencywide Documents Access and Management System Package Nos. ML092810278 and ML101650228) to allow full recovery of spent fuel storage rack cells that are unusable due to Boraflex neutron absorber degradation through the use of NETCO-SNAP-IN® rack inserts. A list of attendees is provided as Enclosure 1. The meeting discussion was proprietary; a non-proprietary meeting summary follows.

The licensee's presentation (See Enclosure 2) summarized the updated/accelerated plan for installing rack inserts and the proposed actions to reconfigure the spent fuel pool. The licensee stated its plans to supplement the LAR on/about November 19, 2010, to document the proposed actions. The NRC staff requested that the licensee, in the supplement, address measures to prevent a miss-loading event during fuel handling in the spent fuel pool, or a technical justification explaining why the consequences of such an event are acceptable. The NRC staff will formalize the request in a request for additional information.

No members of the public were in attendance. Public Meeting Feedback forms were not received.

Please direct any inquiries to me at 301-415-1547, or [marshall.david@nrc.gov](mailto:marshall.david@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Marshall J. David". The signature is fluid and cursive, with the first name "Marshall" being more legible than the last name "David".

Marshall J. David, Project Manager  
Plant Licensing Branch III-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-373 and 50-374

Enclosures:

1. List of Attendees
2. Licensee Handout

cc w/encl: Distribution via ListServ

LIST OF ATTENDEES

NOVEMBER 10, 2010, PUBLIC MEETING WITH EXELON GENERATION COMPANY, LLC

REGARDING LASALLE NETCO INSERT REQUEST

<b>Name</b>	<b>Affiliation</b>	<b>Phone</b>
R. Carlson	NRC/NRR	301-415-1995
M. David	NRC/NRR	301-415-1547
N. DiFrancesco	NRC/NRR	301-415-1115
K. Wood	NRC/NRR	301-415-4120
M. Yoder	NRC/NRR	301-415-4017
C. Harris	NRC/RES	301-251-7637
N. Shah	NRC/RIII (by phone)	630-829-9821
G. Roach	NRC/RIII (by phone)	815-357-8611
F. Ramirez	NRC/RIII (by phone)	815-357-8611
D. Benyak	Exelon (by phone)	630-657-2811
P. Simpson	Exelon (by phone)	630-657-2823
K. Nicely	Exelon (by phone)	630-657-2803
K. Petersen	Exelon (by phone)	630-657-2153
J. Dunlap	Exelon (by phone)	630-657-2191
A. Levin	Exelon (by phone)	630-657-2193
T. Simpkin	Exelon (by phone)	815-415-2800
P. Hansett	Exelon (by phone)	815-415-3920
K. Hachmuth	Exelon (by phone)	815-415-3836
P. Wicyk	Exelon (by phone)	815-415-2469
S. Hesse	Exelon (by phone)	717-456-3641
A. Psaros	Exelon (by phone)	717-456-3606

LICENSEE HANDOUTS

NOVEMBER 10, 2010, PUBLIC MEETING WITH EXELON GENERATION COMPANY, LLC

REGARDING LASALLE NETCO INSERT REQUEST



# **LaSalle County Station Unit 2**

## **Spent Fuel Storage Racks**

November 10, 2010



# **SFP Management Strategy**

## **Proposed Actions**

Phil Hansett  
Manager, Reactor Engineering

## Proposed Actions

- ✓ Categorize Unit 2 locations into three groups
  - UNUSABLE (>52.27% Degradation)
  - RESTRICTED (>29.97% Degradation)
  - UNRESTRICTED (<29.97% Degradation)
- ✓ Fuel will have >27.5% margin to allowable degradation limit
- ✓ No fuel can be stored in UNUSABLE locations
- ✓ Low reactivity fuel (Cycle 1 and GE14) can be stored in RESTRICTED locations
- ✓ All fuel can be stored in UNRESTRICTED locations
- ✓ Criteria is applied to cells on each side of the panel in question
- ✓ Continue use of RACKLIFE Version 2.0

## Discharged Fuel at LaSalle

Fuel Type in SFP	Maximum Allowable Panel Thickness Reduction	Resultant In-Rack $K_{eff}$
Cycle 1 GE (8x8) (Maximum 2.32 wt% enrichment)	96.9%	0.9500
GE14 (10x10)	79.8%	0.9499
ATRIUM-9B (9x9)	68.1%	0.9500
Legacy (Cycle 2+) GE (8x8)	65.3%	0.9499
ATRIUM-10(XM) (10x10)	57.5%	0.9499

## **Impact of Proposed Actions**

- ✓ July 1, 2011, projection with three racks complete
  - 1017 UNUSABLE locations
  - 1138 RESTRICTED locations
    - 2104 assemblies on-site meet the low reactivity definition for storage in RESTRICTED locations
- ✓ Approximately 2000 moves are required to reconfigure SFP to new criteria

## **Proposed Insert Implementation Schedule**

- ✓ Required to perform Spring 2011 refueling outage (L2R13)
  - NRC issues license amendment prior to L2R13
  - Install inserts in three most-degraded racks
  - 626 inserts required for three racks
  - Recover 408 cell locations
- ✓ Pool reconfiguration will be complete within 120 days following L2R13
- ✓ Dry cask campaign is moving forward in parallel with insert installation activities
  - Gain 68 operable locations per cask
  - Anticipate three casks loaded prior to L2R13

## **Proposed Insert Implementation Required Resources**

- ✓ Target completion of three racks before L2R13
  - Dedicated Reactor Services crew for pool configuration and insert installation
  - Scope includes additional rechanneling and movement of blade guides and fuel to facilitate insert installation
- ✓ Projected to complete insert installation in all racks by December 31, 2014

**Exelon®**  
Nuclear

# NRC Feedback

## **Next Steps**

Ken Nicely  
Licensing

## Next Steps

- ✓ Incorporate NRC feedback
- ✓ Submit supplement to license amendment request to document proposed actions (planned November 19, 2010)
- ✓ Actions will be proposed as license conditions associated with the amendment
  - Categorize locations into three groups
  - Reconfigure SFP to new criteria within 120 days following L2R13
  - Complete insert installation in all racks by December 31, 2014

Please direct any inquiries to me at 301-415-1547, or marshall.david@nrc.gov.

Sincerely,

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Marshall J. David, Project Manager  
Plant Licensing Branch III-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-373 and 50-374

Enclosures:

1. List of Attendees
2. Licensee Handout

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DISTRIBUTION:

PUBLIC	RidsRgn3MailCenter Resource	KWood, NRR
LPL3-2 R/F	DMerzke, EDO R-III	CHarris, RES
Rids AcrsAcnw_MailCTR Resource	RTaylor, NRR	APulvirenti, RES
RidsNrrAdro Resource	AUIses, NRR	CSteger, NRR
RidsNrrDorl Resource	MGavrilas, RES	VMitlyng, OPA R-III
RidsNrrDorlLp3-2 Resource	CNorton, NRR	NSha, RIII
RidsNrrPMLasalle Resource	MDavid, NRR	GRoach, RIII
RidsNrrLATHarris Resource	NDiFrancesco, NRR	FRamirez, RIII
RidsOgcRP Resource	MYoder, NRR	
RidsOpaMail Resource	EWong, NRR	

Package Accession No. ML103260148 Meeting Notice Accession No. ML103000424  
Meeting Summary Accession no. ML103260135 Handouts Accession no. ML103260142 NRC-001

OFFICE	DORL/LPL3-2/PM	DORL/LPL3-2/LA	DORL/LPL3-2/BC	DORL/LPL3-2/PM
NAME	MDavid	THarris	RCarlson	MDavid
DATE	11/23/10	11/23/10	11/23/10	11/29/10

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