PMTurkeyCOLPEm Resource

From: Comar, Manny
Sent: Tuesday, November 01, 2016 1:34 PM
To: TurkeyCOL Resource
Subject: FW: FW: L-2015-235 dated 09-24-2015 - Combined License Application Revision 7 - Submittal 14 Part 8B - Special Nuclear Material Physical Protection Program Description- Revision 1 - (No SGI included in this distribution)
Attachments: L-2015-235 COLA Part 8B Submittal 14 Signed 09-24-2015 Record Copy.pdf

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From: Franzone, Steve [mailto:Steve.Franzone@fpl.com]
Sent: Thursday, October 06, 2016 11:20 AM
To: Comar, Manny
Cc: Madden, George
Subject: [External_Sender] FW: L-2015-235 dated 09-24-2015 - Combined License Application Revision 7 - Submittal 14 Part 8B - Special Nuclear Material Physical Protection Program Description- Revision 1 - (No SGI included in this distribution)

FYI, you should be able to find plan from this.

Thanks
Steve Franzone
NNP Licensing Manager - COLA
"People with clear, written goals, accomplish far more in a shorter period of time than people without them could ever imagine." ~ Brian Tracy
561.904.3793 (office)
754.204.5996 (cell)
"This transmission is intended to be delivered only to the named addressee(s) and may contain information that is confidential and /or legally privileged. If this information is received by anyone other than the named addressee(s), the recipient should immediately notify the sender by E-MAIL and by telephone (561.904.3793) and permanently delete the original and any copy, including printout of the information. In no event shall this material be read, used, copied, reproduced, stored or retained by anyone other than the named addressee(s), except with the express consent of the sender or the named addressee(s).

From: Madden, George
Sent: Thursday, September 24, 2015 3:08 PM
To: Altheia Wyche (awyche@bechtel.com); Amanda Lieto (Amanda.Lieto@nexteraenergy.com); Anthony M Sicari (sicariam@westinghouse.com); Bortone, Pilar; Brown, Alison; Burski, Raymond; CHILDRESS, ELWOOD; Douglas Kemp (dakemp@bechtel.com); Febre, Raul; Franzone, Steve; Guth, Mitch; Hamrick, Steven; Jacobs, Paul; jccunlif@bechtel.com; O'Hare, Kevin; Madden, George; Magalhaes, Jose; Dryden, Mark; Mccool, Terry; Jordan, Michael; Nicholson, Larry; Orthen, Richard; Polfleit, Peter; Raffenberg, Matthew; Reuwer, Steve; Richard Grumbir; Scroggs, Steven; Mihalakea, Stavroula; Turbak, Michael; Weis, Rick; Winfield, Nadine
Subject: L-2015-235 dated 09-24-2015 - Combined License Application Revision 7 - Submittal 14 Part 8B - Special Nuclear Material Physical Protection Program Description- Revision 1 - (No SGI included in this distribution)

Florida Power & Light Company
Proposed Turkey Point Units 6 and 7

References:

1. FPL Letter L-2009-144 to NRC, dated June 30, 2009, Application for Combined License for Turkey Point Units 6 and 7
2. FPL Letter L-2011-530 to NRC, dated December 16, 2011, Combined License Application Submittal 10 - Part 8 Physical Security Plan - Revision 3
3. FPL Letter L-2015-236 to NRC, scheduled for submittal October 14, 2015, Combined License Application Submittal 15 - Submittal of the Annual Update of the COL Application - Revision 7 and the Semi-Annual Update of the Departures Report
4. NRC Letter to Robert Kitchen (Duke Energy) dated June 30, 2014, Request for Additional Information Letter No. 113, Related to SRP Section 13.06.01 – Physical Security for the William States Lee III Units 1 and 2 Combined License Application (ML14154A523)
5. Duke Energy Carolinas, LLC Letter WLG2014.09-03 to NRC dated October 16, 2014, Response to NRC RAI Letter No. 113 Unclassified Enclosure, Related to SRP Section 13.06.01 – Physical Security for the William States Lee III Units 1 and 2 Combined License Application (eRAI-7479)

Florida Power & Light Company (FPL) submitted a Combined License (COL) Application for two AP1000 pressurized water reactor units to be located at the Turkey Point site, designated Turkey Point Units 6 and 7, located in Miami-Dade County, FL on June 30, 2009 (Reference 1). FPL submitted the Physical Security Plan (PSP), Revision 3, on December 16, 2011 (Reference 2).

This letter provides the Revision 7 update to the COL Application Part 8B, Special Nuclear Material (SNM) Physical Protection Program Description, Revision 1. This letter supplements the Combined License Application Submittal 15 - Submittal of the Annual Update of the COL Application - Revision 7 and the Semi-Annual Update of the Departures Report scheduled for submittal October 14, 2015 (Reference 3).

COL Application Part 8A, PSP, includes the Physical Security Plan, the Training and Qualification Plan, and the Safeguards Contingency Plan. Part 8A, Revision 3, is not changed by the COL Application Revision 7 or this submittal.

The COL Application Part 8B, Special Nuclear Material Physical Protection Plan Description (SNMPPPD), Revision 1, is a voluntary revision to the Special Nuclear Material (SNM) Physical Protection Program Description (SNMPPPD) based on the Duke Energy Carolinas response to the Nuclear Regulatory Commission (NRC) request for additional information (RAI) 13.06.01 (eRAI 7479) dated June 30, 2014 (Reference 4).

The FPL revision uses the Duke Energy Carolinas, LLC William States Lee (WSL) SNMPPPD revision provided in Duke Energy Carolinas, LLC letter dated October 16, 2014, (Reference 5) as a model with plant specific differences due to the fact that Turkey Point Units 6 & 7 are not planned for a greenfield site and will utilize support and agreements in place for the existing Turkey Point Units 3 & 4. Enclosure 1 provides a roadmap to SNMPPPD Revision 1 changes.

No Restricted Data or other defense information requiring separation in accordance with 10 CFR 50.33(j) is contained in this revision. Part 8B contains safeguards information (SGI) and is controlled pursuant to 10 CFR 73.21.

Enclosure 2 optical storage media (OSM) contains safeguards information as defined by 10 CFR 73.22 and its disclosure to unauthorized individuals is prohibited by Section 147 of the Atomic Energy

Act of 1954, as amended. Therefore, pursuant to 10 CFR 2.390(a)(3) the enclosed OSM is exempt from public disclosure.

Pre-submission checks have been performed on the OSM to validate and verify compliance with NRC guidelines for electronic submittals. The OSM includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing.

Enclosure 1: FPL Summary of Revision 1 Changes to the Special Nuclear Material (SNM) Physical Protection Program Description

Enclosure 2: Revision 7, Turkey Point Units 6 & 7 COL Application Part 8, Safeguards/Security Plans, Part 8B, Special Nuclear Material (SNM) Physical Protection Program Description, - Safeguards Information (1 OSM Submittal 14) **(No SGI included in this distribution)**

cc: w/o Enclosure 2 (OSM)

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO
Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

George R. Madden
Contract Licensing Supervisor, Nuc, working on behalf of
Florida Power & Light Company
Turkey Point Units 6&7 COLA Project
New Nuclear Projects

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George R. Madden
Contract Licensing Supervisor, Nuc, working on behalf of
Florida Power & Light Company
Turkey Point Units 6&7 COLA Project
New Nuclear Projects

I may not have gone where I intended to go, but I think I have ended up where I intended to be.

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Hearing Identifier: TurkeyPoint_COL_Public
Email Number: 1237

Mail Envelope Properties (cae19a1bfa8b4237bfab62f60e9aa04a)

Subject: FW: FW: L-2015-235 dated 09-24-2015 - Combined License Application Revision 7 - Submittal 14 Part 8B - Special Nuclear Material Physical Protection Program Description- Revision 1 - (No SGI included in this distribution)
Sent Date: 11/1/2016 1:33:53 PM
Received Date: 11/1/2016 1:33:59 PM
From: Comar, Manny

Created By: Manny.Comar@nrc.gov

Recipients:
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>
Tracking Status: None

Post Office: HQPWMSMRS05.nrc.gov

Files	**Size**	**Date & Time**	
MESSAGE	8248	11/1/2016 1:33:59 PM	
L-2015-235 COLA Part 8B Submittal 14 Signed 09-24-2015 Record Copy.pdf			662113

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

L-2015-235
10 CFR 52.3(b)(2)
10 CFR 73.21
10 CFR 2.390

September 24, 2015

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Re: Florida Power & Light Company
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
Combined License Application Revision 7 - Submittal 14
Part 8B - Special Nuclear Material Physical Protection Program Description- Revision 1

References:

1. FPL Letter L-2009-144 to NRC, dated June 30, 2009, Application for Combined License for Turkey Point Units 6 and 7
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NO SAFEGUARDS INFORMATION INCLUDED

WARNING
UNAUTHORIZED DISCLOSURE IS PROHIBITED

SECTION 147, ATOMIC ENERGY ACT OF 1954 AND 10 CFR 73.21, VIOLATION SUBJECT TO CIVIL AND CRIMINAL PENALTIES

8 Total Pages

1 SGI OSM

This document has been determined to contain SAFEGUARDS INFORMATION BY:

George Madden/Licensing NNP
Florida Power & Light Company
New Nuclear Projects
Basis: Physical Security Information
Date: 8/26/2015

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

This letter provides the Revision 7 update to the COL Application Part 8B, Special Nuclear Material (SNM) Physical Protection Program Description, Revision 1. This letter supplements the Combined License Application Submittal 15 - Submittal of the Annual Update of the COL Application - Revision 7 and the Semi-Annual Update of the Departures Report scheduled for submittal October 14, 2015 (Reference 3).

COL Application Part 8A, PSP, includes the Physical Security Plan, the Training and Qualification Plan, and the Safeguards Contingency Plan. Part 8A, Revision 3, is not changed by the COL Application Revision 7 or this submittal.

The COL Application Part 8B, Special Nuclear Material Physical Protection Plan Description (SNMPPPD), Revision 1, is a voluntary revision to the Special Nuclear Material (SNM) Physical Protection Program Description (SNMPPPD) based on the Duke Energy Carolinas response to the Nuclear Regulatory Commission (NRC) request for additional information (RAI) 13.06.01 (eRAI 7479) dated June 30, 2014 (Reference 4).

The FPL revision uses the Duke Energy Carolinas, LLC William States Lee (WSL) SNMPPPD revision provided in Duke Energy Carolinas, LLC letter dated October 16, 2014, (Reference 5) as a model with plant specific differences due to the fact that Turkey Point Units 6 & 7 are not planned for a greenfield site and will utilize support and agreements in place for the existing Turkey Point Units 3 & 4. Enclosure 1 provides a roadmap to SNMPPPD Revision 1 changes.

No Restricted Data or other defense information requiring separation in accordance with 10 CFR 50.33(j) is contained in this revision. Part 8B contains safeguards information (SGI) and is controlled pursuant to 10 CFR 73.21.

Enclosure 2 optical storage media (OSM) contains safeguards information as defined by 10 CFR 73.22 and its disclosure to unauthorized individuals is prohibited by Section 147 of the Atomic Energy Act of 1954, as amended. Therefore, pursuant to 10 CFR 2.390(a)(3) the enclosed OSM is exempt from public disclosure.

Pre-submission checks have been performed on the OSM to validate and verify compliance with NRC guidelines for electronic submittals. The OSM includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing.

If you have any questions, or need additional information, please contact me at 561-904-3794.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on September 24, 2015

Sincerely,

William Maher
Senior Licensing Director – New Nuclear Projects

WDM/GRM

NO SAFEGUARDS INFORMATION INCLUDED

Enclosure 1: FPL Summary of Revision 1 Changes to the Special Nuclear Material (SNM) Physical Protection Program Description

Enclosure 2: Revision 7, Turkey Point Units 6 & 7 COL Application Part 8, Safeguards/Security Plans, Part 8B, Special Nuclear Material (SNM) Physical Protection Program Description, - Safeguards Information (1 OSM Submittal 14)

cc: w/o Enclosure 2 (OSM)

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO
Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

NO SAFEGUARDS INFORMATIN INCLUDED

FPL Summary of Revision 1 Changes to the Special Nuclear Material (SNM) Physical Protection Program Description

FPL will comply with the special nuclear material (SNM) of low strategic significance requirements of 10 CFR 73.67, Licensee fixed site and in-transit requirements for the physical protection of special nuclear material of moderate and low strategic significance, as follows:

Pursuant to 10 CFR 73.67 (a)(1): The COL Application Part 8B, Special Nuclear Material Physical Protection Plan Description (SNMPPPD), Revision 1, is a voluntary revision to the Special Nuclear Material (SNM) Physical Protection Program Description (SNMPPPD) based on the Duke Energy Carolinas response to the Nuclear Regulatory Commission (NRC) request for additional information (RAI) 13.06.01 (eRAI 7479) dated June 30, 2014 (Reference 1).

The FPL revision uses the Duke Energy Carolinas, LLC William States Lee (WSL) SNMPPPD revision provided in Duke Energy Carolinas, LLC letter dated October 16, 2014, (Reference 2) as a model with plant specific differences due to the fact that Turkey Point Units 6 & 7 are not planned for a greenfield site and will utilize support and agreements in place for the existing Turkey Point Units 3 & 4. Enclosure 1 provides a roadmap to SNMPPPD Revision 1 changes.FPL has updated the Turkey Point Units 6 & 7 (PTN 6 & 7) Special Nuclear Material (SNM) Physical Protection Program Description (SNMPPPD) description previously submitted (Reference 3) to include the non-fuel Category III special nuclear material of low strategic significance listed in COLA Part 11 Enclosure 7.

The revised SNMPPPD description ensures 10 CFR 73.67 requirements are met for fuel and non-fuel special nuclear material, specifically:

Note: Sections listed in parentheses are from the revised PTN 6 & 7 SNMPPPD:

<u>For 10 CFR 73.67 (a):</u>

(a)(1): The objectives of "establishing and maintaining a physical protection system" are addressed in the revised SNMPPPD. (Sections: 1. Scope, 4.4)

(a)(1)(i): The revised SNMPPPD minimizes the possibilities for unauthorized removal of special nuclear material on the PTN 6 & 7 Site consistent with the potential consequences of such actions. (Sections: 1. Scope, 5.3.1, 5.3.2)

(a)(1)(ii): The revised SNMPPPD contains steps that facilitate the location and recovery of missing special nuclear material. (Sections: 1. Scope and 5.10)

NO SAFEGUARDS INFORMATIN INCLUDED

(a)(2)(i): Provide the ability to have early detection and assessment of unauthorized access or activities by an external adversary for the PTN 6 & 7 SNM CAA. (Sections: 1. Scope, 5.3.1, 5.3.2)

The location chosen for a Controlled Access Area (CAA) on the PTN 6 & 7 site during the construction period is designed and has processes described in the revised SNMPPPD to perform the required physical protection system functions: (SNMPPPD Figures)

(a)(2)(ii): Provide the ability to have early detection of removal of special nuclear material by an external adversary for the PTN 6 & 7 SNM CAA. (Sections: 1. Scope, 5.3.1, 5.3.2)

(a)(2)(iii): Assure proper placement and transfer of custody of special nuclear material. (Sections: 1. Scope, 5.1.1, 5.1.2)

(a)(2)(iv): Respond to indications of an unauthorized removal of special nuclear material and then notify the appropriate response forces of its removal in order to facilitate its recovery. (Sections: 1. Scope, 4.1, 5.10, 5.11, 5.12)

<u>For 10 CFR 73.67 (f)</u>:

The fixed site requirements for special nuclear material of low strategic significance are met in the revised SNMPPPD steps which describe:

(f)(1): Storage and use of the material within the Controlled Access Area. (Sections: 5.8, 5.2)

(f)(2): Monitoring of the area with an intrusion alarm or other device and the procedure for responding to unauthorized penetrations or activities. (Sections: 5.3.1, 5.3.2, 4.1)

(f)(3): The response for unauthorized penetrations or activities for a watchman or offsite force. (Sections: 5.10, 5.3.1, 5.3.2, 4.1)

(f)(4): The establishment of response procedures for dealing with threats or thefts including thefts of this material. (Sections: 5.10, 4.1, 5.3.1, 5.3.2, 5.7)

<u>For Retention Requirements:</u>

The revised SNMPPPD describes the record retention rules and was based on 10 CFR 73.67 (f)(4), (g)(3)(i), (g)(5)(i), and (c)(1). (Sections: 5.7, 4.1)

NO SAFEGUARDS INFORMATIN INCLUDED

For 10 CFR 73.67(g):

The in-transit requirements for special nuclear material of low strategic significance are addressed in the revised SNMPPPD. (Section: 6.1)

The requirements for receiving SNM are addressed in the revised SNMPPPD (Section: 6.2).

Transport of fuel back to the manufacturer is addressed in the revised SNMPPPD. (Section: 6.3)

Revisions to include the non-fuel SNM, the in-transit requirements for receiving special nuclear material of low strategic significance discussed in 10 CFR 73.67(g) are as follows:

(g)(2)(i): Check integrity of the containers and seals upon receipt of the shipment. (Sections: 5.1.1.4, 5.1.2.4)

(g)(2)(ii): Notify the shipper of receipt of the material as required per 10 CFR 74.15 (Sections: 5.1.1.1, 5.1.2.1)

(g)(2)(iii): Arrange for the in-transit physical protection of the material (Section 6.1)

(g)(3)(i): Establish and maintain procedures for dealing with threats and thefts of SNM. This includes record retention of a minimum of 3 years for response procedures. (Sections: 5.7, 4.1)

(g)(3)(ii): Make arrangements to be notified immediately of the arrival of the shipment at its destination point, or of any such shipment that is lost or unaccounted for after the estimated time of arrival at its destination. (Sections: 5.1.1.1, 5.1.2.1)

(g)(3)(iii): Conduct immediately a trace investigation of any shipment that is lost or unaccounted for after the estimated arrival time and notify the NRC Operations Center within one hour. (Sections: 5.1.1.2, 5.1.2.2, 4.1)

(g)(4): Compliance with paragraphs (c), (g)(1) and (3) for exporters of SNM. This includes retention requirements. FPL will not export SNM, except in the rare case covered by the New Fuel Shipping Plan – COLA Part 11 Enclosure 6. (Sections: 6.3, 5.7)

(g)(5)(i) Compliance with paragraphs (c), (g)(2), and (3) for importers of SNM. This includes record retention requirements. (Sections: 6.2, 5.7)

(g)(5)(ii) Notify the person who delivered the SNM to the carrier for transport of the arrival of the material. (Sections: 5.1.1.1, 5.1.2.1)

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As described above, the revised PTN 6 & 7 SNMPPPD addresses the protection of SNM of low strategic significance new fuel and the SNM of low strategic significance non-fuel items mentioned in COLA Part 11 Enclosure 7 of the application.

As a result of the addition of non-fuel SNM to the SNMPPPD, PTN 6 & 7 COLA Part 2 (FSAR) Chapter 13, Section 13.5.2.2.8, Security Procedures, will be revised to reflect the change.

Revision 7 of the PTN 6 & 7 COLA reflects the changes discussed in this letter.

References:

1. NRC Letter to Robert Kitchen (Duke Energy) dated June 30, 2014, Request for Additional Information Letter No. 113, Related to SRP Section 13.06.01 – Physical Security for the William States Lee III Units 1 and 2 Combined License Application (ML14154A523)
2. Duke Energy Carolinas, LLC Letter WLG2014.09-03 to NRC dated October 16, 2014, Response to NRC RAI Letter No. 113 Unclassified Enclosure, Related to SRP Section 13.06.01 – Physical Security for the William States Lee III Units 1 and 2 Combined License Application (eRAI-7479)
3. FPL Letter L-2011-530 to NRC dated December 16, 2011, Combined License Application Submittal 10, Part 8 Safeguards/Security Plan - Revision 3

ASSOCIATED COLA REVISIONS:

1. FSAR Subsection 13.5.2.2.8, Security Procedures:

COLA Part 2, Chapter 13 will be revised to insert text in the second sentence of the second paragraph of Section 13.5.2.2.8, Security Procedures, to indicate that non-fuel SNM is included in the SNM Physical Protection Program along with new fuel. The left-hand margin annotation for this added text will be "PTN COL 13.5-2."

The Special Nuclear Material (SNM) Physical Protection Program **Description** describes the 10 CFR Part 70 required protection program in effect for the period of time during which new fuel as SNM **or non-fuel SNM** is received and stored in a controlled access area (CAA), in accordance with the requirements of 10 CFR 73.67.

2. FSAR Table 13.4-201 Item 15:

COLA Part 2 Chapter 13 Table 13.4-201 Item 15, Security Program, Implementation Milestone will be revised to read:

180 days prior to initial receipt of **new fuel or non-fuel** special nuclear material

NO SAFEGUARDS INFORMATION INCLUDED

Enclosure 2

Revision 7

Turkey Point Units 6 & 7
COL Application Part 8
Safeguards/Security Plans

Part 8B
Special Nuclear Material (SNM) Physical Protection Program Description

1 OSM Submittal 14

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