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10 CFR 50.4  
10 CFR 50.54(q)(5)  
10 CFR 72.44(f)

RS-20-004  
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January 8, 2020

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

Braidwood Station, Units 1 and 2  
Renewed Facility Operating License Nos. NPF-72 and NPF-77  
NRC Docket Nos. STN 50-456, 50-457, and 72-73

Byron Station, Units 1 and 2  
Renewed Facility Operating License Nos. NPF-37 and NPF-66  
NRC Docket Nos. 50-454, 50-455, and 72-68

Calvert Cliffs Nuclear Power Plant, Units 1 and 2  
Renewed Facility Operating License Nos. DPR-53 and DPR-69  
NRC Docket Nos. 50-317 and 50-318

Calvert Cliffs Independent Spent Fuel Storage Installation  
Materials License No. SNM-2505  
NRC Docket No. 72-8

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

Dresden Nuclear Power Station, Units 1, 2, and 3  
Facility Operating License No. DPR-2  
Renewed Facility Operating License Nos. DPR-19 and DPR-25  
NRC Docket Nos. 50-010, 50-237, 50-249, and 72-37

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James A. FitzPatrick Nuclear Power Plant  
Renewed Facility Operating License No. DPR-59  
Docket No. 50-333

James A. FitzPatrick Nuclear Power Plant Independent Spent Fuel  
Storage Installation  
General License SFGL-12  
Docket No. 72-012

LaSalle County Station, Units 1 and 2  
Renewed Facility Operating License Nos. NPF-11 and NPF-18  
NRC Docket Nos. 50-373, 50-374, and 72-70

Limerick Generating Station, Units 1 and 2  
Renewed Facility Operating License Nos. NPF-39 and NPF-85  
NRC Docket Nos. 50-352, 50-353, and 72-65

Nine Mile Point Nuclear Station, Units 1 and 2  
Renewed Facility Operating License Nos. DPR-63 and NPF-69  
NRC Docket Nos. 50-220, 50-410, and 72-1036

Peach Bottom Atomic Power Station, Units 1, 2, and 3  
Facility Operating [Possession Only] License No. DPR-12  
Renewed Facility Operating License Nos. DPR-44 and DPR-56  
NRC Docket Nos. 50-171, 50-277, 50-278 and 72-79

Quad Cities Nuclear Power Station, Units 1 and 2  
Renewed Facility Operating License Nos. DPR-29 and DPR-30  
NRC Docket Nos. 50-254, 50-265, and 72-53

R.E. Ginna Nuclear Power Plant  
Renewed Facility Operating License No. DPR-18  
NRC Docket Nos. 50-244 and 72-67

Subject: Exelon Nuclear Radiological Emergency Plan Revisions

In accordance with 10 CFR 50.4(b)(5), "Emergency Plan and related submissions," Exelon Generation Company, LLC (Exelon) is submitting Emergency Plan document revisions for the facilities cited as listed in the table below.

Document	Revision	Title
EP-AA-1000	31	<i>Exelon Nuclear Standardized Radiological Emergency Plan</i>
EP-AA-1000	32	<i>Exelon Nuclear Standardized Radiological Emergency Plan</i>
EP-AA-1000	33	<i>Exelon Nuclear Standardized Radiological Emergency Plan</i>

Document (continued)	Revision	Title
EP-AA-1001	35	<i>Exelon Nuclear Radiological Emergency Plan Annex for Braidwood Station</i>
EP-AA-1001, Addendum 1	2	<i>Braidwood Station On-Shift Staffing Technical Basis</i>
EP-AA-1002	36	<i>Exelon Nuclear Radiological Emergency Plan Annex for Byron Station</i>
EP-AA-1002, Addendum 1	2	<i>Byron Station On-Shift Staffing Technical Basis</i>
EP-AA-1003	29	<i>Exelon Nuclear Radiological Emergency Plan Annex for Clinton Station</i>
EP-AA-1003, Addendum 1	2	<i>Clinton Station On-Shift Staffing Technical Basis</i>
EP-AA-1004	38	<i>Exelon Nuclear Radiological Emergency Plan Annex for Dresden Station</i>
EP-AA-1004, Addendum 1	2	<i>Dresden Station On-Shift Staffing Technical Basis</i>
EP-AA-1005	41	<i>Exelon Nuclear Radiological Emergency Plan Annex for LaSalle Station</i>
EP-AA-1005, Addendum 1	2	<i>LaSalle Station On-Shift Staffing Technical Basis</i>
EP-AA-1006	41	<i>Exelon Nuclear Radiological Emergency Plan Annex for Quad Cities Station</i>
EP-AA-1006, Addendum 1	2	<i>Quad Cities Station On-Shift Staffing Technical Basis</i>
EP-AA-1011	4	<i>Exelon Nuclear Radiological Emergency Plan Annex for Calvert Cliffs Station</i>
EP-AA-1011	5	<i>Exelon Nuclear Radiological Emergency Plan Annex for Calvert Cliffs Station</i>
EP-AA-1011, Addendum 1	1	<i>Calvert Cliffs Nuclear Power Plant On-Shift Staffing Technical Basis</i>
EP-AA-1012	7	<i>Exelon Nuclear Radiological Emergency Plan Annex for Ginna Station</i>
EP-AA-1012	8	<i>Exelon Nuclear Radiological Emergency Plan Annex for Ginna Station</i>
EP-AA-1012, Addendum 1	1	<i>R. E. Ginna Nuclear Power Plant On-Shift Staffing Technical Basis</i>
EP-AA-1013	7	<i>Exelon Nuclear Radiological Emergency Plan Annex for Nine Mile Point Station</i>
EP-AA-1013	8	<i>Exelon Nuclear Radiological Emergency Plan Annex for Nine Mile Point Station</i>
EP-AA-1013, Addendum 1	1	<i>Nine Mile Point Nuclear Station Units 1 And 2 On-Shift Staffing Technical Basis</i>
EP-AA-1014	3	<i>Exelon Nuclear Radiological Emergency Plan Annex for James A. FitzPatrick Nuclear Station</i>
EP-AA-1014	4	<i>Exelon Nuclear Radiological Emergency Plan Annex for James A. FitzPatrick Nuclear Station</i>
EP-AA-1014, Addendum 1	1	<i>James A. FitzPatrick Nuclear On-Shift Staffing Technical Basis</i>

The changes to the Emergency Plan documents noted in the table above were evaluated under the requirements of 10 CFR 50.54(q) and were determined not to result in a reduction in the effectiveness of the Emergency Plans for the affected facilities. This notification is being submitted within 30 days of implementation of the changes as required by 10 CFR 50.54(q)(5). The changes continue to meet the applicable planning standards established in 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

In addition, as required by 10 CFR 50.54(q)(5), this submittal includes a summary analysis of the changes to the Emergency Plan documents (Attachment 1). This submittal also satisfies the reporting requirements associated with 10 CFR 72.44(f), which stipulates that within six months after any change is made to the Emergency Plan, the licensee shall submit a report containing a description of the changes to the Director, Division of Spent Fuel Management.

A copy of the revised Emergency Plan documents and supporting change summary analysis are included in the attachments to this letter.

There are no regulatory commitments in this submittal.

If you have any questions or require additional information, please contact Richard Gropp at (610) 765-5557.

Respectfully,



David P. Helker  
Sr. Manager, Licensing  
Exelon Generation Company, LLC

- Attachments:
- 1) 10 CFR 50.54(q)(5) Procedure Change Summary Analysis
  - 2) EP-AA-1000, Revisions 31/32/33, *"Exelon Nuclear Standardized Radiological Emergency Plan"*
  - 3) EP-AA-1001, Revision 35, *"Exelon Nuclear Radiological Emergency Plan Annex for Braidwood Station"*
  - 4) EP-AA-1001, Addendum 1, Revision 2, *"Braidwood Station On-Shift Staffing Technical Basis"*
  - 5) EP-AA-1002, Revision 36, *"Exelon Nuclear Radiological Emergency Plan Annex for Byron Station"*
  - 6) EP-AA-1002, Addendum 1, Revision 2, *"Byron Station On-Shift Staffing Technical Basis"*
  - 7) EP-AA-1003, Revision 29, *"Exelon Nuclear Radiological Emergency Plan Annex for Clinton Station"*
  - 8) EP-AA-1003, Addendum 1, Revision 2, *"Clinton Station On-Shift Staffing Technical Basis"*
  - 9) EP-AA-1004, Revision 38, *"Exelon Nuclear Radiological Emergency Plan Annex for Dresden Station"*
  - 10) EP-AA-1004, Addendum 1, Revision 2, *"Dresden Station On-Shift Staffing Technical Basis"*

Attachments (continued):

- 11) EP-AA-1005, Revision 41, *"Exelon Nuclear Radiological Emergency Plan Annex for LaSalle Station"*
- 12) EP-AA-1005, Addendum 1, Revision 2, *"LaSalle Station On-Shift Staffing Technical Basis"*
- 13) EP-AA-1006, Revision 41, *"Exelon Nuclear Radiological Emergency Plan Annex for Quad Cities Station"*
- 14) EP-AA-1006, Addendum 1, Revision 2, *"Quad Cities Station On-Shift Staffing Technical Basis"*
- 15) EP-AA-1011, Revisions 4/5, *"Exelon Nuclear Radiological Emergency Plan Annex for Calvert Cliffs Station"*
- 16) EP-AA-1011, Addendum 1, Revision 1, *"Calvert Cliffs Nuclear Power Plant On-Shift Staffing Technical Basis"*
- 17) EP-AA-1012, Revisions 7/8, *"Exelon Nuclear Radiological Emergency Plan Annex for Ginna Station"*
- 18) EP-AA-1012, Addendum 1, Revision 1, *"R. E. Ginna Nuclear Power Plant On-Shift Staffing Technical Basis"*
- 19) EP-AA-1013, Revisions 7/8, *"Exelon Nuclear Radiological Emergency Plan Annex for Nine Mile Point Station"*
- 20) EP-AA-1013, Addendum 1, Revision 1, *"Nine Mile Point Nuclear Station On-Shift Staffing Technical Basis"*
- 21) EP-AA-1014, Revisions 3/4, *"Exelon Nuclear Radiological Emergency Plan Annex for James A. FitzPatrick Nuclear Station"*
- 22) EP-AA-1014, Addendum 1, Revision 1, *"James A. FitzPatrick Nuclear Power Plant On-Shift Staffing Technical Basis"*

cc: w/ Attachment 1 only

Regional Administrator - NRC Region III  
Regional Administrator - NRC Region I  
Director, NRC Division of Spent Fuel Management, ONMSS  
NRC Senior Resident Inspector - Braidwood Station  
NRC Senior Resident Inspector - Byron Station  
NRC Senior Resident Inspector - Calvert Cliffs Nuclear Power Plant  
NRC Senior Resident Inspector - Clinton Power Station  
NRC Senior Resident Inspector - Dresden Nuclear Power Station  
NRC Senior Resident Inspector - James A. FitzPatrick Nuclear Power Station  
NRC Senior Resident Inspector - LaSalle County Station  
NRC Senior Resident Inspector - Limerick Generating Station  
NRC Senior Resident Inspector - Nine Mile Point Nuclear Station  
NRC Senior Resident Inspector - Peach Bottom Atomic Power Station  
NRC Senior Resident Inspector - Quad Cities Nuclear Power Station  
NRC Senior Resident Inspector - R. E. Ginna Nuclear Power Plant  
NRC Project Manager, NRR - Braidwood Station  
NRC Project Manager, NRR - Byron Station  
NRC Project Manager, NRR - Calvert Cliffs Nuclear Power Plant  
NRC Project Manager, NRR - Clinton Power Station

w/ Attachment 1 only (continued)

NRC Project Manager, NRR - Dresden Nuclear Power Station  
NRC Project Manager, NRR - James A. FitzPatrick Nuclear Power Station  
NRC Project Manager, NRR - LaSalle County Station  
NRC Project Manager, NRR - Limerick Generating Station  
NRC Project Manager, NRR - Nine Mile Point Nuclear Station  
NRC Project Manager, NRR - Peach Bottom Atomic Power Station  
NRC Project Manager, NRR - Quad Cities Nuclear Power Station  
NRC Project Manager, NRR - R. E. Ginna Nuclear Power Plant  
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Director, Bureau of Radiation Protection - Pennsylvania Department of  
Environmental Resources  
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D. A. Tancabel - State of Maryland  
A. L. Peterson, NYSERDA  
B. Frymire, NYSPSC