

November 21, 2017

MEMORANDUM TO: Jay Robinson, Acting Chief
PRA Licensing Branch B
Division of Risk Assessment
Office of Nuclear Reactor Regulation

FROM: Angela Wu, Fire Protection Engineer RA
PRA Licensing Branch B
Division of Risk Assessment
Office of Nuclear Reactor Regulation

SUBJECT: NOVEMBER 2017 UPDATE OF FIRE PROTECTION
EXEMPTION DATABASE

The purpose of this memorandum is to provide a periodic update to the Fire Protection Exemption Database. This task originated in SECY-08-0171, "Plan for Stabilizing Fire Protection Regulatory Infrastructure," dated October 2008 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML082840659). Having exemption documents in ADAMS makes the exemption information available to regional and site inspectors, as well as public stakeholders. Exemptions for decommissioned plants were not included in the database.

The enclosed November 2017 update of the Fire Protection Database reflects the nuclear power plants (NPPs) that have had exemptions rescinded as a result of its voluntary transition to risk-informed, performance-based fire protection under Title 10 of the *Code of Federal Regulations* (10 CFR) 50.48(c) related to the National Fire Protection Association Standard (NFPA) 805, "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants." In addition, this update to the Exemption Database captures the NPPs that are no longer in operation.

Enclosure:
2017 Exemption Database Report

CONTACT: Angela Wu, NRR/DRA
(301) 415-2995

SUBJECT: NOVEMBER 2017 UPDATE OF FIRE PROTECTION EXEMPTION DATABASE
DATED NOVEMBER 21, 2017

DISTRIBUTION:

Public

AWu, NRR

ADAMS Accession No.: ML17321A751

*concurrence by email

OFFICE	NRR/DRA/APLB	NRR/DRA/APLB
NAME	AWu*	JRobinson
DATE	11/15/2017	11/21/2017

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November 2017 Exemption Database Report

Arkansas Nuclear One

Date	Accession No.	Exemption Title
10/7/2016	ML16223A481	Unit 1 Exemptions Rescinded Per Amendment 256
2/18/2015	ML14356A227	Unit 2 Exemptions Rescinded Per Amendment 300

Beaver Valley

Date	Accession No.	Exemption Title*
3/14/1983	ML003766793	Beaver Valley Power Station, Unit 1 – Request For Exemption From Some Requirements Of Appendix R To 10 CFR Part 50
3/14/1983	ML041000401	Beaver Valley Power Station, Unit 1 - Exemptions From Some Requirements of Appendix R to 10 CFR Part 50
8/30/1984	ML003766586	Exemption granted which waives certain requirements of Subsection III.G for Beaver Valley Power Station, Unit No. 1, to the extent that fixed fire suppression and detection systems need not be provided for certain fire areas
7/27/1987	ML091310132	Beaver Valley, Unit No. 1 - Transmittal of Appendix R Technical Exemption Regarding Emergency Lighting

Browns Ferry

Date	Accession No.	Exemption Title
10/28/2015	ML15212A796	Exemptions Rescinded Per Amendments 290, 315, and 273

Brunswick

Date	Accession No.	Exemption Title
1/28/2015	ML14310A808	Exemptions rescinded per Amendments 266 and 294

Calvert Cliffs

Date	Accession No.	Exemption Title
8/30/2016	ML16175A359	Exemptions rescinded per Amendments 318 and 296

Cooper

Date	Accession No.	Exemption Title
4/29/2014	ML14055A023	Exemptions rescinded per Amendment 248

Crystal River

Date	Accession No.	Exemption Title
		Plant no longer in operation

Davis-Besse

Date	Accession No.	Exemption Title*
11/23/1982	ML021160466	Davis-Besse, Unit 1, Appendix R to 10 CFR 50 - Exemption from Certain Technical Requirements
8/20/1984	ML021190037	Davis-Besse, Unit 1, Exemption from Certain Requirements of Appendix R to 10 CFR 50
4/18/1990	ML021190569	Davis-Besse, Unit 1, Exemption to 10CFR50, App R, Sections III.G & III.J
7/21/2005	ML050970136	Davis-Besse, Unit 1 - Exemption from the Requirements of 10 CFR Part 50, Appendix R, Section III.G.3 (TAC No. MC1833)

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Donald C. Cook

Date	Accession No.	Exemption Title
10/24/2013	ML13140A398	Exemptions rescinded per Amendments 322 and 305

Dresden

Date	Accession No.	Exemption Title*
2/2/1983	ML021150161	Dresden, Units 2 & 3, Fire Protection - Request for Exemption from Requirements of Appendix R to 10 CFR 50, Section III.G
8/15/1989	ML021150499	Dresden, Units 2 & 3, Exemptions from Technical Requirements of Appendix R to 10 CFR 50
9/28/1997	ML021140497	Dresden Station, Exemption From NRC Requirements, Exemption Regards Installation Of Automatic Fire Detectors & a Fixed Suppression System In Drywell Expansion Gap At Dresden Units 2 & 3, In Response To Your Request Of 6/5/86
12/30/1999	ML003671489	Exemption Granted From Requirements Of 10 CFR 50, Appendix R, Section Iii

Duane Arnold

Date	Accession No.	Exemption Title
9/10/2013	ML13210A449	Exemptions rescinded per Amendment 286.

Edwin I. Hatch

Date	Accession No.	Exemption Title*
11/16/1981	ML012960142	Edwin I. Hatch Nuclear Plant, Units 1 and 2, Exemption from NRC Requirements, Deletion of Full Fire Barriers at River Intake Structure & Omission of Fixed Suppression in Control Room
4/18/1984	ML012960193	Edwin I. Hatch Nuclear Plant, Units 1 and 2, Exemption from NRC Requirements, Exemptions from Requirements of Appendix R to 10 CFR 50
1/2/1987	ML012960545	Hatch Units 1 and 2, the Commission issued the enclosed Exemption from the requirements of Appendix (R) to 10CFR Part 50, a copy of the Safety Evaluation supporting the Exemption is also enclosed
1/2/1987	ML012960551	Edwin I. Hatch, Unit 1 and 2, Exemption re Fire Protection Features

Fort Calhoun

Date	Accession No.	Exemption Title
6/16/2014	ML14098A092	Exemptions rescinded per Amendment 275 Plant no longer in operation

Ginna, R. E.

Date	Accession No.	Exemption Title
11/23/2015	ML15271A101	Exemptions rescinded per Amendment 119

H.B. Robinson

Date	Accession No.	Exemption Title
2/3/2017	ML16337A264	Exemptions rescinded per Amendment 249

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Indian Point

Date	Accession No.	Exemption Title*
2/2/1984	ML003779284	Exemptions from the Requirements of 10CFR 50, Appendix R, for the Indian Point Nuclear Generating Plant, Unit 3 (IP-3)
10/16/1984	ML003776266	Letter informing that exceptions requests concerning HVAC exhaust fans and emergency lighting are still under review
9/16/1985	ML003776119	Appendix R Requirements For Control Room Penetration Seals For The Indian Point Nuclear Generating Unit No. 2
11/13/1985	ML003776459	Technical Exemption From The Requirements Of 10 CFR 50 Appendix R For Indian Point Nuclear Generating Unit No. 2
1/7/1987	ML003779008	Indian Point, Unit 3, Exemption from the Technical Requirements of Sections III.G. and III.J. of Appendix R to 10 CFR 50 based on a reanalysis of fire protection program
3/4/1987	ML003776449	Technical Exemption From The Requirements Of 10 CFR 50 Appendix R For The Indian Point Nuclear Generating Unit 2
1/5/1995	MI003780510	Issuance Of An Exemption From The Requirements Of 10 CFR Part 50, Appendix R, Section Iii.G.2 – Indian Point Nuclear Generating Unit No. 3 (Tac No. M88323)
3/29/1995	MI003780509	Indian Point Unit 3 - Issuance Of A Modified Exemption From The Requirements Of 10 CFR Part 50, Appendix R, Section III.J
9/28/2007	ML072410254	Indian Point Nuclear Generating Unit No. 3 - Exemption from the Requirements of 10 CFR Part 50, Appendix R (TAC MD2671)
2/1/2012	ML112140509	Indian Point Nuclear Generating Unit No. 2 - Exemption From the Requirements of 10 CFR 50, Appendix R, Paragraph III.G.2 (TAC No. ME0798)
2/1/2012	ML112200468	Exemption-Indian Point Nuclear Generating Unit No. 3 - Exemption From the Requirements of 10 CFR 50, Appendix R, Paragraph III.G.2 (TAC No. ME0799)

James A. FitzPatrick

Date	Accession No.	Exemption Title*
4/26/1983	ML091310130	James A. FitzPatrick - Alternate Safe Shutdown Capability, Modifications and Exemptions To Meet Appendix R of 10 CFR Part 50 - Fire Protection
7/1/1983	ML010600171	Exemption Requests - 10 CFR 50.48 Fire Protection And Appendix R To 10 CFR Part 50
2/1/1984	MI010600147	Exemption Requests - 10 CFR 50.48 Fire Protection And Appendix R To 10 CFR Part 50
1/11/1985	MI010600137	Exemption Requests - 10 CFR 50.48 Fire Protection And Appendix R To 10 CFR Part 50
4/30/1986	ML010600099	Letter forwarding exemption from Appendix R top 10 CFR 50 concerning installation of fire dampers & Environmental Assessment & Finding of No Significant Impact
9/15/1986	ML010600092	James A. Fitzpatrick Exemption From Appendix R To 10 CFR 50 Concerning Core Uncovery During Alternate Safe Shutdown

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James A. FitzPatrick (continued)

Date	Accession No.	Exemption Title*
9/18/1991	MI010880109	Issuance Of A Technical Exemption From A Requirement Of 10 CFR Part 50, Appendix R, For The James A. Fitzpatrick Nuclear Power Plant (TAC 81184)
9/10/1992	ML010920013	Issuance Of Exemptions From Requirements Of 10 CFR Part 50, Appendix R, For The James A. Fitzpatrick Nuclear Power Plant
9/27/2006	ML062190377	James A. Fitzpatrick Nuclear Power Plant - Exemption From The Requirements Of 10 CFR Part 50, Appendix R (TAC No. MC7995)
3/11/2010	ML100340670	James A. FitzPatrick, Exemption from Requirements of 10 CFR Part 50, Appendix R, Section III.G.2

Joseph M. Farley

Date	Accession No.	Exemption Title
3/10/2015	ML14308A048	Exemptions rescinded per Amendments 196 and 192

Kewaunee

Date	Accession No.	Exemption Title
		Plant no longer in operation

Millstone

Date	Accession No.	Exemption Title*
11/11/1981	ML091310060	Haddam Neck and Millstone, Unit 2 - Exemption from Certain Requirements of Section 50.48 and Appendix R to 10 CFR Part 50, in Response to Letter dated March 19, 1981
4/15/1986	ML012900211	Appendix R Exemption Requests For Millstone Units 2
1/15/1987	ML091380416	Appendix R Exemption for Millstone Unit 2
4/29/1988	ML012890168	Millstone, Unit 2, Exemption from the provisions of Section 111.G.2.b of Appendix R to CFR Part 50 Re: Redundant Auxiliary Feedwater Isolation Valves 2-FW-43A and B
7/7/2000	ML003727418	Millstone 2, Exemption Request Associated with 10 CFR Part 50, Appendix R, Section III. J, MA8245
7/12/2012	ML15151A210	Millstone Power Station, Unit 2 - Exemption From The Requirements of 10 CFR Part 50, Appendix R, Section III.G.2 (TAC No. ME6693)

Nine Mile Point

Date	Accession No.	Exemption Title
6/30/2014	ML14126A003	Unit 1 Exemption rescinded per Amendment 215

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North Anna

Date	Accession No.	Exemption Title*
2/23/1984	ML091310134	North Anna, Units 1 and 2 - Fire Protection Request For Exemption from a Requirement of Appendix R to 10 CFR Part 50, Section III.G.
11/6/1986	ML013460187	North Anna, Units 1 & 2, Exemption, Relating to Letters Requesting Thirty-Four Exemptions from Appendix R to 10 CFR Part 50
4/21/2011	ML110810031	North Anna Power Station, Unit No. 1, Virginia Electric and Power Company, LLC, Exemption from the Requirements of Title 10 of the Code of Federal Regulation, Part 50, Appendix R, Section III.0

Oconee

Date	Accession No.	Exemption Title
12/29/2010	ML102640043	Exemptions rescinded per Amendments 371, 373, and 372

Oyster Creek

Date	Accession No.	Exemption Title*
8/23/1984	ML011160014	Letter forwarding exemption to the scheduler requirements for fire protection of the equipment used for safe shutdown by means of separation and barriers as set forth in 10 CFR Part 50.48(c)(4) - Oyster Creek Nuclear Generating Station
3/24/1986	ML011160023	Oyster Creek - Exemptions From Requirements Of Appendix R To 10 CFR Part 50, Section III.G.2 And The Post Fire Safe Shutdown Capability
4/3/1986	ML011160021	Oyster Creek Nuclear Generating Station, Correction To Appendix R Exemption
2/12/1990	ML011160386	Oyster Creek, Exemption From The Emergency Lighting Requirements Contained In Section III.J Of Appendix R To 10 CFR Part 50
5/25/1990	ML011160375	Oyster Creek, Exemption From Certain Technical Requirements Contained In Section III.G Of Appendix R To CFR Part 50
6/25/1990	ML041000427	Oyster Creek - Exemption From the Requirements of Appendix R to 10 CFR 50
11/12/1991	ML091310058	Oyster Creek - Exemption from Certain Technical Requirements Contained in Section III.G of Appendix R to 10 CFR Part 50, with Safety Evaluation
3/30/2011	ML110700267	Oyster Creek Nuclear Generating Station: Request for Exemption From Title 10 of the Code of Federal Regulations Part 50, Appendix R Requirements (TAC No. ME0780)
3/30/2011	ML110700451	Oyster Creek Nuclear Generating Station: Request for Exemption From title 10 of the Code of Federal Regulations Part 50, Appendix R Requirements (TAC No. ME0756)

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Palisades

Date	Accession No.	Exemption Title
2/27/2015	ML15007A191	Exemptions rescinded per Amendment 254

Peach Bottom

Date	Accession No.	Exemption Title*
3/13/1985	ML011360103	Peach Bottom Units 2 and 3, Exemption from Certain Requirements of 10 CFR 50 Appendix R
11/14/1986	ML011360253	Peach Bottom Units 2 and 3, Exemption from 10 CFR 50 Appendix R re Penetration Seals and Fire Protection
12/31/1986	ML011360247	Peach Bottom Units 2 and 3, Exemption from 10 CFR 50 Appendix R re Dampers, Structural Steel and Automatic Fire Suppression
10/3/1991	ML091310043	Peach Bottom, Units 2 and 3 - Exemption from the Requirements of 10 CFR Part 50, Appendix R, Section III.G and Section III.M
8/18/2000	ML003734918	Peach Bottom, Units 2 and 3 - Exemption from 10 CFR Part 50, Appendix R, Section III.F, Fire Detection Requirements
1/30/2009	ML090150419	Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Exemptions from Title 10 of the Code of Federal Regulations Part 50, Appendix R Requirements (TAC Nos. MD7029 and MD7030)
3/30/2011	ML102430566	Peach Bottom Atomic Power Station, Units 2 and 3, Environmental Assessment Regarding the Request for Exemptions From Title 10 of the Code of Federal Regulations Part 50, Appendix R, Section III.G for the Use of Operator Manual Actions (TAC Nos. ME80)

Pilgrim

Date	Accession No.	Exemption Title*
7/20/1988	ML011920217	Pilgrim - Exemption from Certain Technical Requirements of 10 CFR 50, Appendix R, Section III.G.
7/20/1988	ML011920278	Pilgrim Nuclear Power Station, Exemption, 10 CFR Part 50, Appendix R, Section 111.G
10/13/1988	ML011920398	Pilgrim, Issuance of Amendment 123 to Facility Operating License DPR-35. Reduced Fire Barrier Requirements for Selected Areas

Point Beach

Date	Accession No.	Exemption Title
9/8/2016	ML16196A093	Exemptions rescinded per Amendments 256 and 260

Prairie Island

Date	Accession No.	Exemption Title
8/8/2017	ML17163A027	Exemptions rescinded per Amendments 220 and 207

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Quad Cities

Date	Accession No.	Exemption Title*
6/23/1983	ML020930701	Quad Cities, Units 1 and 2, Federal Register Notice, Exemption from Requirements of Appendix R to 10 CFR 50, Section III.G
8/18/1989	ML020950072	Quad Cities Units 1 and 2, Exemption from Technical Requirements of Section III.G of Appendix R to 10 CFR 50
5/21/1991	ML020940675	Quad Cities Units 1 and 2, Exemption from Requirements of Appendix R to 10 CFR 50

Salem

Date	Accession No.	Exemption Title*
9/16/1982	ML011650650	Salem, Units 1 and 2, Fire Protection - Request for Exemption from Requirements of Appendix R to 10 CFR 50, Section III.G
6/17/1983	ML091310040	Salem, Unit No .1 - Fire Protection - NRC Response to Request for Exemption from Requirements from Requirements of Appendix R to 10 CFR 50, Section III.G
7/20/1989	ML011690322	Salem Units 1 and 2, Exemption from 10 CFR 50, Appendix R Requirements
11/14/1990	ML011700038	Salem, Units 1 and 2. Exemption Amendment from the the Requirements of CFR Part 50, Appendix R (Fire Protection)
6/17/1994	ML011710265	Salem, Units 1 and 2, Exemption Correction - Exemption From the Requirements of 10 CFR 50, Appendix R (Fire Protection)

South Texas Project

Date	Accession No.	Exemption Title*
3/31/2010	ML100780075	South Texas Project, Units 1 and 2 - Issuance of Amendment Nos. 193 and 181, Revise License Condition E, Deviation from Fire Protection Program Requirements for Fire Areas 27 and 31 (TAC Nos. ME0824, ME0825, ME1389, and ME1390).

St. Lucie

Date	Accession No.	Exemption Title
3/31/2016	ML15344A346	Exemptions Rescinded per Amendments 231 and 181

Surry

Date	Accession No.	Exemption Title*
11/24/1982	ML012470098	Surry Power Station, Units 1 & 2 Fire Protection - Request for Exemption from Requirement of Appendix R to 10CFR50, Section III.G
2/25/1988	ML012670091	Approval of technical exemption requests from Appendix R, 10 CFR Part 50 for Surry Power Station
12/6/1990	ML012640091	Surry, Unit 1. Exemption from Subsection III.0 of Appendix R to 10 CFR Part 50.

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Three Mile Island

Date	Accession No.	Exemption Title*
6/4/1984	ML003764756	Three Mile Island Unit 1, exemption to technical requirements of 10CFR50, Appendix R, Section III.G, which relates to fire protection for equipment important to safe shutdown and safety evaluation
12/30/1986	ML003765204	Three Mile Island, Unit 1, Exemption Regarding Fire Protection
3/19/1987	ML003765184	Three Mile Island, Unit 1, Fire Protection Exemptions
3/19/1987	ML041000436	Three Mile Island - Exemptions from the Technical Requirements of Appendix R to 10 CFR Part 50
11/2/1988	ML003765322	Fire protection exemptions for TMI-1
2/26/1990	ML003765284	Exemption From The Reactor Coolant Pump Lube Oil Collection Requirements Of Section III.0 Of Appendix R To 10 CFR Part 50 - Three Mile Island Nuclear Station, Unit No.1
3/30/2009	ML090830708	Three Mile Island Nuclear Station, Unit 1: Request for Exemption From Title 10 of the Code of Federal Regulations Part 50, Appendix R Requirements (TAC MD8081)
6/28/2010	ML101310113	Three Mile Island Nuclear Station, Unit 1 - Letter, Request for Exemption from Title 10 of the Code of Federal Regulations Part 50, Appendix R Requirements (TAC NO. ME0771)

Turkey Point

Date	Accession No.	Exemption Title
5/28/2015	ML15061A237	Exemptions Rescinded per Amendments 262 and 257

Vermont Yankee

Date	Accession No.	Exemption Title
		Plant no longer in operation

Wolf Creek

Date	Accession No.	Exemption Title*
12/16/2010	ML103090262	Wolf Creek - Issuance of Amendment No. 191, License Amendment Request for Deviation from Certain Technical Requirements of Approved Fire Protection Program as Described in Appendix 9.5E of Updated Safety Analysis Report (TAC No. ME0797)

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