

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
APPLICATION OF DOMINION NUCLEAR	:	DOCKET NO. 265A
CONNECTICUT, INC. TO MODIFY SITING	:	
COUNCIL CERTIFICATE (DOCKET NO. 265)	:	
FOR THE EXISTING INDEPENDENT SPENT	:	
FUEL STORAGE INSTALLATION (DRY	:	
STORAGE SYSTEM) AT MILLSTONE	:	
POWER STATION, ROPE FERRY ROAD,	:	
WATERFORD, CONNECTICUT	:	DECEMBER 13, 2012

RESPONSES OF DOMINION NUCLEAR CONNECTICUT, INC. TO
INTERVENORS CONNECTICUT COALITION AGAINST MILLSTONE AND NANCY
BURTON FIRST SET OF INTERROGATORIES AND REQUEST FOR PRODUCTION

On December 7, 2012, Dominion Nuclear Connecticut, Inc. (“DNC” or the “Applicant”) received Interrogatories and Requests for Production from Intervenors Connecticut Coalition Against Millstone (“CCAM”) and Nancy Burton (collectively the “Intervenors”), in the above captioned docket. DNC’s responses are as follows.

GENERAL OBJECTIONS

The Docket No. 265A Application (the “265A Application”) is very limited in scope. In the 265A Application, DNC seeks Siting Council (“Council”) approval for certain modifications to the Millstone Power Station (“MPS”) Independent Spent Fuel Storage Installation (“ISFSI”). The ISFSI was approved by the Council on May 27, 2004 in Council Docket No. 265. The modifications described in the 265A Application involve changes to certain physical features of the ISFSI area (i.e. drainage improvements and the widening of the area adjacent to the ISFSI loading pad) and a request to complete the installation of the concrete pads large enough to accommodate 135 Horizontal Storage Modules (“HSMs”).

To the extent that the Intervenors' interrogatories and requests for production seek information, documents and reports that relate to MPS operations, including MPS Unit 1 spent fuel pool operations, MPS spent fuel movement to the ISFSI, MPS security and radiological health and safety issues at MPS, DNC objects as those matters are outside the limited scope of the 265A Application and, more importantly, are matters under the exclusive jurisdiction of the U.S. Nuclear Regulatory Commission ("NRC"). (*See* Council's Docket No. 265 Findings of Fact Nos. 13-17 and Council Administrative Notice Item No. 14 - *CCAM v. Connecticut Siting Council*, 286 Conn. 57 (2008)).

Question No. 1

Please identify the portion(s) of the application which address the vulnerability of the Millstone Nuclear Power Station to flooding and other severe weather events and please produce the applicant's complete analysis of the risks and vulnerabilities of the site to such flooding and events.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 2

Please produce documents and photographs of severe storm events at the site, including hurricane and other severe storm events since 1970 up to and including Superstorm Sandy, and including the New England Hurricane of 1938.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 3

What risks do flooding and severe storm events pose to the dry cask storage installation at Millstone?

Response

As discussed at length in the Docket No. 265 proceeding, the ISFSI area lies in Zone X as designated on the Federal Emergency Management Agency Flood Insurance Rate Map (FIRM) included as a part of the Environmental Site Assessment, behind Tab 9 (Figure 3-1) of the Docket No. 265 Application. Zone X is the area determined to be outside the 500-year flood plain.

Question No. 4

Please identify all portions of the applicant's application to the Siting Council (Docket 265), including references in the administrative record, which address the issue of vulnerability of the site and the dry cask storage installation to flooding and other consequences of severe weather events.

Response

See Applicant's response to Question No. 3 above.

Question No. 5

What specific measures could be taken to enhance protection to the dry cask storage installation in the event of future flooding and severe storm events?

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding the safety and protection of the MPS ISFSI. Such matters are under the exclusive jurisdiction of the NRC. Subject to and without waiving its objection, the Applicant refers the Intervenor to its response to Question No. 3 above.

Question No. 6

Please identify all locations on the Millstone Nuclear Power Plant site which are at elevations above and below historical flooding events.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 7

What is the elevation of the existing and proposed dry cask concrete bed and components of the dry cask storage facility?

Response

As indicated on the Project Plans included behind Tab 7 of the 265A Application, the finished grade of the ISFSI pad is at ground elevation of 21 feet above mean sea level.

Question No. 8

What is the elevation of Millstone Unit 1?

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 9

What is the elevation of the Millstone 1 spent fuel pool?

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 10

Is the Millstone 1 spent fuel pool located within the containment structure that encloses the Millstone 1 nuclear reactor and, if not, please identify the nature and materials comprising the roof of the Millstone 1 spent fuel pool.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 11

Please describe the emergency diesel generators designated to provide electricity to the Millstone 1 spent fuel pool in the event of a station blackout, including their location and vulnerability to flooding or incapacitation due to other storm events.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 12

In what ways is Millstone Unit 1, including its spent fuel pool, similar to the nuclear reactors and their spent fuel pools at the Fukushima nuclear plant in Japan?

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 13

Please produce all analyses of the potential effects of climate change on the vulnerability of the Millstone Nuclear Power Station to severe weather events, including the Millstone 1 spent fuel pool and the dry cask storage installation.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 14

Please identify the manufacturer and specifications of new dry cask storage components which the application proposes to install, including federal approval for such use and the term(s) of their federal license.

Response

DNC intends to continue to utilize Transnuclear's Standardized NUHOMs dry storage system at MPS. Specifications for this system are a part of the Docket No. 265 record. (See Council Administrative Notice Item No. 13).

Question No. 15

When does the license of the existing already-filled dry casks at the dry cask storage installation expire?

Response

Certificate of Compliance No. 1004 for Transnuclear's Standardized NUHOMs dry storage system expires January 23, 2015.

Question No. 16

Please identify and describe the applicant's plans for disposal of the high-level nuclear waste contained at the Millstone dry cask storage installation once the federal license expires.

Response

The licensee for Certificate of Compliance No. 1004, Transnuclear, Inc., expects to file a license renewal application for the NUHOMs dry storage system to the NRC in December 2013. NRC regulations (10 C.F.R. Part 72.240) allow for renewal of such licenses for up to forty years.

Question No. 17

Please identify and document all occasions of error to date in the applicant's transfer of spent fuel to the dry cask storage installation at Millstone, including retrieval from spent fuel pools and eventual installation and please produce documentation submitted to the State of Connecticut and U.S. Nuclear Regulatory Commission concerning such error(s).

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. Matters relating to MPS operations, including the movement of spent fuel to the ISFSI are under the exclusive jurisdiction of the NRC.

Question No. 18

Please state the cost to transfer Millstone 1 spent fuel to dry casks and to install them at the dry cask storage installation and please state the revenue generated by the sale of electricity produced by Millstone 1, 2 and 3 on an annual basis since 1970.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding.

Question No. 19

Please produce documents evidencing federal regulatory approval of higher-burn nuclear fuel at Millstone 2 and describe how the use of such fuel differs from the information previously submitted to the Siting Council in Application 265.

Response

The Applicant objects to that portion of the interrogatory that seeks information and/or documentation regarding the NRC's approval of new fuel assembly designs for MPS Unit 2. Those matters are under the exclusive jurisdiction of the NRC.

Subject to and without waiving the Applicant's objection, information regarding changes to DNC's management of the Unit 2 spent fuel pool is provided in Section II.F. of the 265A Application.

Question No. 20

Please describe how the most recent power uprate at Millstone 3 alters the information submitted to the Siting Council in Application 265.

Response

See 265A Application, Section II.F.

Question No. 21

Please identify events in the operational history of Millstone 1, 2 and 3 which have occurred since Siting Council approval of Application 265, including unanticipated power spikes, violation of licensing conditions, unplanned shutdowns, notices of violation and fines and penalties issued and imposed by the U.S. Nuclear Regulatory Commission.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. Information regarding MPS operations is under the exclusive jurisdiction of the NRC.

Question No. 22

Please describe how the applicant proposes to maintain perimeter security at the Millstone Nuclear Power Station during proposed construction.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. Matters involving

MPS and ISFSI security are under the exclusive jurisdiction of the NRC.

Subject to and without waiving the Applicant's objection, a brief discussion regarding the proposed relocation of the Protected Area fence to facilitate construction of the remaining ISFSI pads is provided in Section II.E. of the 265A Application and in the Pre-filed Testimony of J. David Dakers, ISFSI Modification Project Manager.

Question No. 23

No content provided.

Response

No response provided.

Question No. 24

Please describe the circumstances under which the applicant routinely deliberately disabled the perimeter security system during the period of time since September 11, 2001 and the fines and penalties imposed by the U.S. Nuclear Regulatory Commission for such serious breach of its federal licensing conditions.

Response

The Applicant objects as the interrogatory seeks information and/or documentation regarding matters that are outside the limited scope of the 265A Application. The information is, therefore, not relevant to this proceeding. Furthermore, matters related to safety and security at MPS are under the exclusive jurisdiction of the NRC.

Question No. 25

Please produce all analyses performed by the applicant regarding the feasibility and cost to transfer spent nuclear fuel from Millstone Unit 1 to the dry cask storage installation.

Response

The review of DNC's MPS Unit 1 spent fuel management strategy referenced in Section II.G. of the 265A Application and discussed in the Pre-filed Testimony of Kevin R. Hennessy has not been completed.

CERTIFICATION

This is to certify that on the 13th day of December, 2012, a copy of the foregoing was sent, electronic mail, to the following:

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