



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

October 27, 2020

MEMORANDUM TO: Michael I. Dudek, Branch Chief
New Reactor Licensing Branch
Division of New and Renewed
Licenses Office of Nuclear Reactor
Regulation

FROM: Gregory V. Cranston, Senior Project Manager /RA/
Division of New and Renewed Licenses
New Reactor Licensing Branch
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE SEPTEMBER 30, 2020, PUBLIC
MEETING TO PROVIDE AN OVERVIEW OF THE HOLTEC
INTERNATIONAL SMALL MODULAR REACTOR SMR-160

On September 30, 2020, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and SMR, LLC (a Holtec International Company) (Holtec) for Holtec to provide an overview of Holtec's organization structure, as well as information on their small modular pressurized-water reactor, SMR-160.

The public meeting commenced at 9:00 a.m., with opening remarks and an introduction of participants. Holtec then commenced their presentation on the topics listed below.

Open Session Topics:

- Overview of Holtec's worldwide dry storage and transport experience
- SMR-160 design concepts overview
- Key principles of the SMR-160, including passive operation, near-zero site boundary dose, maximum factory fabrication and minimal site construction to reduce costs.

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301-415-0546

After the public portion of the meeting, the public was given an opportunity to provide comments. At the completion of the public meeting, the meeting was closed since portions of that presentation and associated discussions contained proprietary information.

The closed session presentation topics are listed below.

Closed Session Agenda:

- Design overview of the SMR-160 major systems including:
 - Reactor coolant system, the reactor core
 - Instrumentation and Controls
 - Major structures
 - Inherently safe design features, including passive safety systems
- Low core damage frequency
-
- Plant response to loss of coolant accidents
-
- Pre-application topical report topics and submittal timeframe
-
- Application submittal timeframe

The meeting agenda is provided in Enclosure 1 and the list of participants is provided in Enclosure 2. The public meeting notice can be found in the Agencywide Documents Access and Management Systems (ADAMS) under Accession No. ML20274A008. Presentation slides for the public portion of this meeting can be found in ADAMS under Accession No. ML20273A299.

Docket No. 99902049

Enclosures:

1. Meeting Agenda
2. List of Participants

cc w/encls.:

SUBJECT: SUMMARY OF THE SEPTEMBER 30, 2020, PUBLIC MEETING TO PROVIDE AN OVERVIEW OF THE HOLTEC INTERNATIONAL SMALL MODULAR REACTOR SMR-160
DATED: OCTOBER 27, 2020

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| DATE | 10/14/2020 | 10/14/2020 | 10/19/2020 |
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| DATE | 10/27/2020 | | |

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U.S. NUCLEAR REGULATORY COMMISSION
PUBLIC MEETING TO PROVIDE AN OVERVIEW OF THE HOLTEC INTERNATIONAL
SMALL MODULAR REACTOR SMR-160

Meeting Agenda

September 30, 2020

9:00 a.m. – Noon

| <u>Time</u> | <u>Topic</u> | <u>Organization</u> |
|------------------------|---------------------------------------|----------------------------|
| 9:00 a.m. –9:10 a.m.. | Introductions and Opening Remarks | NRC/Holtec |
| 9:10 a.m. –9:20 a.m. | SMR-160 Presentation – Open Session | Holtec |
| 9:20 a.m. –9:30 a.m. | Public comments | Public/NRC |
| 9:30 a.m. – 9:40 a.m. | Break | All |
| 9:40 a.m. – 11:30 a.m. | SMR-160 Presentation – Closed session | Holtec |
| 11:30 a.m. – noon | Discussion | Holtec/NRC |
| Noon | Adjourn | All |

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U.S. NUCLEAR REGULATORY COMMISSION
PUBLIC MEETING TO PROVIDE AN OVERVIEW OF THE HOLTEC INTERNATIONAL
SMALL MODULAR REACTOR SMR-160

List of Participants

September 30, 2020

| Name | Affiliation |
|---------------------------|---------------|
| Anton, Stefan | Holtec |
| Marcille, Thomas | Holtec |
| Morin, Tammy | Holtec |
| Trotta, Richard | Holtec |
| Bradford, Anna | NRC |
| Buford, Angela | NRC |
| Caldwell, Bob | NRC |
| Clifford, Paul | NRC |
| Cowdrey, Christian | NRC |
| Cranston, Gregory | NRC |
| Dudek, Michael | NRC |
| Gerrish, Emily | NRC |
| Grady, Anne-Marie | NRC |
| Green, Brian | NRC |
| Hernandez, Raul | NRC |
| Kavanagh, Kerr | NRC |
| Krepel, Scott | NRC |
| Lu, Shanlai | NRC |
| Madalena, Lisette | NRC |
| Martinez Navedo, Tania | NRC |
| McClure, Sandra | NRC |
| John Henry (Lou) Sullivan | NRC |
| Neuhausen, Alissa | NRC |
| Nolan, Ryan | NRC |
| Patton, Rebecca | NRC |
| Pohida, Marie | NRC |
| Ray, Sheila | NRC |
| Reichelt, Eric | NRC |
| Rosenberg, Stacey | NRC |
| Ross-Lee, MJ | NRC |
| Scarborough, Thomas | NRC |
| Stubbs, Angelo | NRC |
| Taneja, Dinesh | NRC |
| Vazquez, Justin | NRC |
| Wagage, Hanry | NRC |
| Wittick, Brian | NRC |
| Fields, Sarah | Uranium Watch |
| Davis, Edward | Pegasus Group |