August 22, 2008

MEMORANDUM TO: William D. Reckley, Chief
Rulemaking, Guidance and Advanced Reactors Branch
Division of New Reactor Licensing
Office of New Reactors

FROM: Donald E. Carlson, Senior Project Manager ***/RA/***
Rulemaking, Guidance and Advanced Reactors Branch
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF PRE-APPLICATION REVIEW MEETING WITH TOSHIBA CORPORATION ON PHENOMENA IDENTIFICATION AND RANKING TABLES FOR "SUPER-SAFE, SMALL, AND SIMPLE" (4S) REACTOR

On August 8, 2008, staff from the Nuclear Regulatory Commission's (NRC's) Office of New Reactors (NRO) and Office of Nuclear Regulatory Research (RES) met with representatives from Toshiba Corporation (Toshiba) and its three project partners, Japan's Central Research Institute for the Electric Power Industry, Westinghouse Electric Company, and Argonne National Laboratory, to conduct the final of four proposed familiarization meetings on safety-related aspects of the "Super-Safe, Small, and Simple" (4S) reactor design. In addition to the familiarization meetings, Toshiba's proposed 4S pre-application activities include the requested staff reviews of five technical reports. A technical report on long-life fuel for the 4S was submitted in June 2008. In its opening remarks, Toshiba reiterated its intent to submit the other four reports through the remainder of this year in preparation for Toshiba's planned submittal of a 4S design approval application in 2009.

Held at NRC Headquarters as a Category 1 public meeting, the meeting was attended by twelve pre-applicant team members from Japan, ten from the United States, sixteen NRC staff members, and eighteen members of the public. In addition, one member of the public listened via telephone bridge line while referring to presentation materials made publicly available beforehand in the NRC's Agencywide Documents Access and Management System (ADAMS), http://www.nrc.gov/reading-rm/adams.html. No proprietary information was presented.

The public attendees included four staffers from the Congressional Offices of Alaska Representative Don Young and Alaska Senators Lisa Murkowski and Ted Stevens as well as three representatives of the City of Galena, Alaska. A television crew from Japan attended and filmed portions of the meeting and conducted interviews before and afterward with members of the pre-applicant team. With Toshiba's permission, the NRC staff also made a video recording of the meeting proceedings. Video recordings of this and other technical meetings on advanced reactors are being provided where feasible to address NRC knowledge management needs and to further facilitate information sharing and public observation of the staff's interactions with advanced reactor pre-applicants.

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After opening formalities, introductions, and a short background presentation by NRC staff, Toshiba gave presentations that (a) described the conduct and results of its phenomena identification and ranking table process for the 4S design and (b) responded to staff questions and feedback provided at the May 21, 2008, pre-application review meeting by describing at length how the 4S design addresses the Commission's Advanced Reactor Policy Statement. The pre-applicant team responded to clarifying comments and questions from the NRC staff throughout the meeting. Toshiba closed its presentations by reiterating its plans to submit a 4S design approval application in 2009 and projecting that the preparation of a combined license application for Galena, Alaska, will commence in 2010 and be completed for submission in 2012.

Public comments were solicited before adjourning the meeting and three were provided by each of three representatives of the City of Galena, Alaska. Detailed records of the meeting and related communications are publicly available as indicated in the following table.

Document Description	Document Location / ADAMS Accession Number
Posted public meeting notice	ADAMS ML082100047
List of meeting attendees	Enclosure / ADAMS ML082350421
Meeting presentation by NRC staff	ADAMS ML082190182
Meeting presentations by Toshiba	ADAMS ML082190834
Video of meeting on set of 3 discs	Contact: Donald.Carslon@nrc.gov, 301-415-0109

Project No. 760

Enclosure:
As stated

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