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May 18, 2017

Ms. Zhang Lin, Deputy Director
Division III of Nuclear Power
Nuclear Safety Regulatory Department II
Ministry of Environmental Protection
115 Xizhimennei Nanxiaojie
Xicheng District, Beijing, P.R. China (100035)

Dear Ms. Zhang:

Thank you for maintaining the flow of technical information in the form of China's National Nuclear Safety Administration (NNSA) evaluation of the AP1000 hot functional testing results related to vibration associated with the automatic depressurization system (ADS). The exchange between the U.S. Nuclear Regulatory Commission (NRC) and China's NNSA has been invaluable as we have gained insight in support of the construction of AP1000 plants in the U.S.

The attached questions are a result of a review of the document titled "ADS-4 Vibration Issue" that you sent on March 30, 2017, to NRC staff members participating in the Multinational Design Evaluation Programme (MDEP) AP1000 Workgroup, Mr. Lawrence Burkhart, Ms. Jennifer Dixon-Herrity, and Ms. Kerri Kavanagh. As you requested, the NRC staff reviewed the document and offers the attached input. NNSA may consider asking the questions listed below for the AP1000 plants under construction in China. The NRC has been informed of this issue by the Westinghouse Electric Company and we understand that this concern will apply to the U.S. AP1000 plants under construction. We have not been told of the final resolution on this matter nor have we seen any technical or licensing documentation justifying a proposed resolution. If or when this type of information is provided to the NRC by our AP1000 licensees, we would question the topics presented in the enclosure during our regulatory review or inspection.

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-2-

We look forward to continued bilateral and multilateral cooperation on these important issues. If you have any questions or comments concerning this matter, please contact me at (301) 415-2967 or via e-mail at Jennifer.Dixon-Herrity@nrc.gov.

Sincerely,

/RA/

Jennifer Dixon-Herrity, Chief
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Enclosure:
As stated

cc: w/enclosure:
Stella (Luan) Haiyan
Jen Holtzman (OIP)
Kirk Foggie

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-3-

LETTER TO MS. ZHANG LIN RE: RESPONSE TO CHINA NNSA FOR AP1000 AUTOMATIC DEPRESSURIZATION SYSTEM 4 VIBRATION DATED: MAY 18, 2017

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