

February 14, 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 questions related to leakage detection for the AP1000 certified design. The exchange between the U.S. Nuclear Regulatory Commission (NRC) and China's National Nuclear Safety Administration (NNSA) has been invaluable as we have gained advance insight in support of the construction of AP1000 plants in the U.S.

Enclosed with this letter are responses from the NRC staff to questions you posed in your December 22, 2016, email to Mr. Lawrence Burkhart of the NRC staff.

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](mailto: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

SUBJECT: LETTER TO MS. ZHANG LIN RE: RESPONSE TO CHINA NNSA FOR AP1000  
RCS LEAK RATE DETECTION

DATE: February 14, 2017

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