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May 4, 2010

MEMORANDUM TO: Glenn Tracy, Director
Division of Construction Inspection
& Operational Programs
Office of New Reactors

FROM: Jeffrey Jacobson, Senior Operations Engineer /RA/
Quality & Vendor Branch 2
Division of Construction Inspection
& Operational Programs
Office of New Reactors

SUBJECT: COMBINED QUICK LOOK/FOREIGN TRIP REPORT ON
UNITED STATES NUCLEAR REGULATORY COMMISSION
STAFF VISIT TO CHINA FOR MEETINGS WITH THE
NATIONAL NUCLEAR SAFETY ADMINISTRATION AND
OBSERVATION OF INSPECTION ACTIVITIES AT THE
SANMEN NUCLEAR POWER PLANT

From April 6 through April 26, 2010, I visited China to advance cooperation with the National Nuclear Safety Administration of China (NNSA) in the area of construction inspection. During the visit, I participated in detailed discussions with representatives from NNSA's Shanghai Regional Office concerning the NRC's and NNSA's planned construction inspection programs for the Westinghouse AP1000 reactor. I also spent two weeks at the Sanmen Nuclear Power Plant (AP1000) construction site observing and participating in construction inspection activities. During the visit, I was accompanied by Bradley Davis, a Senior Construction Inspector from Region II who will be staying on at the Sanmen site for an additional five weeks and will be writing a separate trip report upon the completion of his assignment.

The enclosed trip report may be of interest to the Commission.

CONTACT: Jeffrey Jacobson, NRO/DCIP/CQVB
301-415-2977

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DATE	05/4/2010	05/4/2010

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Combined Quick Look/Final Trip Report

Subject

In-depth discussions with the National Nuclear Safety Administration of China (NNSA) in the area of construction inspection and participation in inspection activities at the Sanmen Nuclear Power Plant (AP1000).

Travel Dates, Countries and Organizations Visited

April 3 through April 27, 2010. Shanghai/Sanmen, China. National Nuclear Safety Administration of China, Westinghouse, and Sanmen Nuclear Power Plant.

Author/Title/Agency Affiliation

Jeffrey Jacobson, Senior Operations Engineer, NRO/DCIP/CQVB.

(b)(5)

Background/Purpose

The primary purposes of this trip were: (1) to advance cooperation with NNSA in the areas of construction inspection; (2) to observe ongoing construction activities of the Westinghouse AP1000 reactor at the Sanmen Nuclear Power Station; and (3) to participate in inspection activities with NNSA at the AP1000 Sanmen Nuclear Power Station.

Abstract: Summary of Pertinent Points/Issues

During the visit, I participated in detailed discussions with representatives from NNSA's Shanghai Regional Office concerning the NRC's and NNSA's planned construction inspection programs for the Westinghouse AP1000 reactor. (b)(4)

(b)(4)

I also spent two weeks at the Sanmen Nuclear Power Plant (AP1000) construction site observing and participating in construction inspection activities. During the visit, I was accompanied by Bradley Davis, a Senior Construction Inspector from Region II who will be staying on at the Sanmen site for an additional five weeks and will be writing a separate trip report upon the completion of his assignment.

The following were the most pertinent insights obtained as a result of this visit:

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(b)(5)



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Discussion

During our discussions with NNSA, we provided an overview of our construction inspection program focusing on ITAAC and on Region II's plans for inspecting ITAAC. Included in our presentations was an overview of the relevant inspection manual chapters, inspection procedures, and inspection strategy documents. In attendance from NNSA was one of the Sanmen site inspectors, several other regional inspectors, and NNSA management, including the Director General in charge of the Shanghai Regional Office. We also spent a significant amount of time explaining the ITAAC prioritization process and provided them with the results of our ITAAC prioritization for the AP1000. To better illustrate our construction inspection process, we also walked NNSA through an inspection strategy document and a few inspection procedures.

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(b)(4)



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During the second week onsite we continued our discussions with the NNSA resident inspectors, attended plan of the day meetings, and participated in additional inspection activities (b)(4)

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Pending Actions/Planned Next steps for NRC

- Continue inspector exchange program with NNSA as outlined in NRC/NNSA Memorandum of Cooperation.

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