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10 CFR 52.3

December 21, 2010

UN#10-310

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

NRC Program Manager: Tanya Ford  
Mail Stop: 10E50M (TWFN) Rockville Pike

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016  
Acceptance Review of UniStar Topical Report, UN-TR-10-001-NP.

Reference: UniStar Nuclear Energy Letter UN#10-250, from Greg Gibson to Document Control Desk, "Request for Review and Approval of UniStar Topical Report for the Use of High Density Polyethylene (HDPE) Pipe in ASME Section III, Class 3, Seismic Category I, Safety-Related Buried Water Pipe Applications, UN-TR-10-001-NP" dated September 28, 2010.

UniStar Nuclear Energy wishes to express appreciation for the opportunity to review our HDPE Topical Report with you during the public meeting on December 8, 2010. We appreciate the efforts the staff expended to conduct the Topical Report Acceptance Review and the valuable feedback provided. As we discussed in this meeting, the use of HDPE in the construction of new reactors is important to the NRC, UniStar, and others in the industry.

In our December 8 meeting, we agreed with the staff that HDPE is a new technology in safety-related applications in the nuclear industry and that we, along with the NRC staff, need to be confident in its implementation. During our meeting, the NRC staff noted several areas where new concerns have been identified, based on information and data from recent testing. The staff also identified several areas where additional supporting data and test results are required. As noted by the staff, this additional supporting data is also required in connection

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with NRC approval of the American Society of Mechanical Engineers (ASME) efforts to develop code for the use of HDPE in ASME Section III, Class 3 applications.

Based on the information provided by the staff, specifically examples of test results and the requirements for additional data and testing, UniStar would like the opportunity to evaluate this new information further. It is our intent to evaluate the specific test results noted in the meeting and current industry testing efforts. From this analysis, we can better determine the most effective path forward.

Therefore, UniStar Nuclear Energy hereby recalls the UniStar HDPE Topical Report, UN-TR-10-001-NP, pending further evaluation and re-submittal, as appropriate.

If there are any questions regarding this transmittal, please contact me at (410) 470-4205 or Mr. Wayne A. Massie at (410) 470-5503.

There are no regulatory commitments identified in this letter. This letter and its enclosure do not contain any proprietary or sensitive information.

*I declare under penalty of perjury that the foregoing is true and correct.*

Executed on December 21, 2010

A handwritten signature in black ink, appearing to read 'Greg Gibson', with a long horizontal flourish extending to the right.

Greg Gibson

cc: Surinder Arora, NRC Project Manager, U.S. EPR Projects Branch  
Joseph Colaccino, NRC Branch Chief, U.S. EPR Projects Branch  
Loren Plisco, Deputy Regional Administrator, NRC Region II  
U.S. NRC Region I Office