
Downstream Effects Resolution of NRC Review Issues

Industry/NRC Public Meeting

May 23 & 24, 2006

GSI-191 Downstream Analysis

- Formal submittal of WCAP 16406-P by PWROG on time (end of May, 2006)
 - Scheduled to be submitted May 31, 2006
 - Acceptance and detailed review by NRC
 - Some WCAP references will be needed for review
 - The requested references to be provided by May 31, 2006
 - Address WCAP potential non-conservatisms
 - No non-conservatisms have been identified in discussions to date
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GSI-191 Downstream Analysis

- Define Vendor testing methodology for downstream source term
 - Plans for addressing downstream source term are included as part of written strainer qualification test plans developed for individual licensees. An overview of these plans will be discussed as part of planned NRC-Vendor meetings.
 - Further develop system filtration effect on downstream source term
 - Technical discussions clarified conservatisms in the models
 - Validate wear and blockage models
 - This is addressed in the marked-up version of WCAP 16406-P to be submitted at end of May 2006
 - Large amounts of plant-specific information are required for application of the WCAP
 - Licensee applications of WCAP will identify plant-specific information used
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GSI-191 Downstream Analysis

- New strainer designs may not be applicable to RES screen penetration test results
 - Plant-specific evaluations are utilizing screen-specific data
 - WOG fuel evaluation tool currently in development (new WCAP)
 - This project proposal will be presented to the PWROG General Session in June 2006
 - Fuel & reactor internals design information needed for NRC evaluation
 - Discussions ongoing on best means to provide needed information
 - NRC review of WCAP is ongoing, more items will most likely be found
 - Important to continue ongoing discussions
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