



NuStart *Energy*sm

**ESBWR COL Items
Section 6.1 ESF Materials
Coatings**

**DCWG Meeting
July 25, 2007**



ESF Materials - Coatings

- **COL item 6.1.3.1 (#25) – revised wording to read:**
 - The COL applicant will:
 - Describe the approach to be taken to identify and quantify all organic materials that exist within the containment building in significant amounts that do not meet the requirements of ASTM D 5144 and Regulatory Guide 1.54 as per section 6.1.2.1 and 6.1.2.2.
 - Provide the milestone when evaluations will be complete to determine the generation rate, as a function of time, of combustible gases that can be formed from these unqualified organic materials under DBA conditions.
 - As part of these evaluations, provide the technical basis and assumptions used."

ESF Materials - Coatings

- **Address COL item 6.1.3.1 as follows:**
 - The use of protective coatings and materials inside containment is controlled by the quality assurance program
 - For protective coatings and organic materials used inside the containment that do not meet the requirements of ASTM D 5144 and Regulatory Guide 1.54 as per the DCD, an evaluation is performed to determine the generation rate, as a function of time, of combustible gases that can be formed from these unqualified organic materials under DBA conditions
 - These materials are either identified and approved prior to installation or are identified during surveys of the containment
 - The technical basis and assumptions used for this evaluation are documented and retained as quality records
 - Evaluations described will be completed before fuel load and the FSAR will be updated per 10 CFR 50.71(e) to incorporate the results of these evaluations