

RAS 14340

U.S. NUCLEAR REGULATORY COMMISSION

In the Matter of American Energy Co., LLC
 Docket No. 50-0219-L2 Official Exhibit No. Citizens Exhibits 27
 OFFERED by: Applicant/Licensee Intervenor
 NRC Staff
 IDENTIFIED on 9/15/07 Witness/Panel N/A
 Action Taken: ADMITTED REJECTED WITHDRAWN

From: Quintenz, Tom <u777teq@ucm.com>
 Sent: Wednesday, February 1, 2006 5:02 PM
 To: Muggleston, Kevin <u999kpm@ucm.com>; Beck, George <u002g0b@ucm.com>
 Cc: Polaski, Frederick W <u000fwp@ucm.com>; Warfel Sr, Donald B <u001dbw@ucm.com>; Fuhrer, Edwin C <n5917@ucm.com>; Miller, Mark A. - PE <u001mam@ucm.com>
 Subject: RE: RAI regarding corrosion of carbon steel mechanical components in containment atmosphere

At this time the monitoring and limits for Oxygen are dictated by Technical Specifications, and Operating Procedures. Technical Specifications would limit Oxygen Levels to less than 5%.

-----Original Message-----

From: Muggleston, Kevin
 Sent: Tuesday, January 31, 2006 4:35 PM
 To: Beck, George
 Cc: Polaski, Frederick W; Warfel Sr, Donald B; Quintenz, Tom; Fuhrer, Edwin C; Miller, Mark A. -PE
 Subject: RAI regarding corrosion of carbon steel mechanical components in containment atmosphere

DOCKETED
 USNRC

October 1, 2007 (10:45am)

OFFICE OF SECRETARY
 RULEMAKINGS AND
 ADJUDICATIONS STAFF

Action Required: Yes
 Recommendation: Meeting prior to NRC call

Draft RAI D-RAI 3.4-4 challenges our position regarding corrosion of carbon steel surfaces of mechanical components inside containment subject to the inert environment. The staff acknowledges the cited past precedence, but requests additional justification, such as "monitored data from the Oyster Creek containment nitrogen environment to indicate that the free oxygen levels have been continuously maintained below threshold levels and would continue to be maintained during the period of extended operation." I am not aware of any "threshold levels" for oxidation. NRC is requesting additional justification, or a commitment for a one-time inspection.

Ed Fuhrer has identified several instances of carbon steel surface corrosion in the RBCCW system inside containment. It may be appropriate to respond based on OE, and offer a one-time inspection of RBCCW system components.

In any event, we need to discuss as a group before the NRC call, as I need direction on how we want to respond to this question.

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