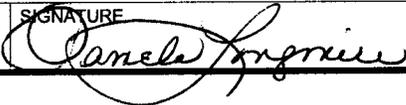


NRC FORM 699 (9-2003)		U.S. NUCLEAR REGULATORY COMMISSION		DATE 01/25/2010
CONVERSATION RECORD				TIME 2:00 PM
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU Tony Patko, Tom Danner, and Holger Pfeifer		TELEPHONE NO. 678-328-1274		TYPE OF CONVERSATION <input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE <input checked="" type="checkbox"/> INCOMING <input type="checkbox"/> OUTGOING
ORGANIZATION NAC International, Inc.				
SUBJECT Criticality/shielding associated with low initial enriched spent nuclear fuel				
SUMMARY (Continue on Page 2)				
NRC participants: Larry Campbell, Michel Call, and Zhian Li				
Tom Danner (NAC) called to discuss a potential submittal/amendment.				
CoCs permit a minimum fuel enrichment. The inquiry was with respect to whether storage of natural uranium and/or lower initially enriched spent fuels would be permitted. Staff's initial thoughts were that criticality would probably be okay, but shielding would probably need a detailed look because doses increase as enrichment decreases for an equivalent burnup (per ISG-6). Unenriched materials (e.g., natural uranium) are restricted from loading. NAC acknowledged that the shielding analysis would have to be revised with the appropriate modification(s). Staff offered an opportunity for a public meeting but since there is no specific licensing action, no public meeting is forthcoming.				
Call ended: 2:15 PM				
Continue on Page 2				
ACTION REQUIRED None				
NAME OF PERSON DOCUMENTING CONVERSATION Pamela Longmire, Ph.D.		SIGNATURE 		DATE 01/25/2010
ACTION TAKEN None required.				
TITLE OF PERSON TAKING ACTION		SIGNATURE OF PERSON TAKING ACTION		DATE