

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMATION COLLECTION REQUEST: 50 0 HRS. REPORTED LESSONS LEARNED ARE INCORPORATED INTO THE LICENSING PROCESS AND FED BACK TO INDUSTRY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (7-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503

FACILITY NAME (1) Cook Nuclear Plant Unit 1		DOCKET NUMBER (2) 05000-315	PAGE (3) 1 of 1
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TITLE (4)
Fuel Crane Loads Lifted Over Spent Fuel Pool Could Impart Impact Energies Greater Than Technical Specification Limits

EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER	
01	15	1999	1999	-- 006 --	00	04	16	1999	D.C. Cook, Unit 2	05000-316	
									FACILITY NAME	DOCKET NUMBER	

OPERATING MODE (9) 5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)										
POWER LEVEL (10) 00	20.2201 (b)				20.2203(a)(2)(v)			<input checked="" type="checkbox"/>	50.73(a)(2)(i)		50.73(a)(2)(viii)
	20.2203(a)(1)				20.2203(a)(3)(i)				50.73(a)(2)(ii)		50.73(a)(2)(x)
	20.2203(a)(2)(i)				20.2203(a)(3)(ii)				50.73(a)(2)(iii)		73.71
	20.2203(a)(2)(ii)				20.2203(a)(4)				50.73(a)(2)(iv)		OTHER
	20.2203(a)(2)(iii)				50.36(c)(1)				50.73(a)(2)(v)		Specify in Abstract below or n NRC Form 366A
20.2203(a)(2)(iv)				50.36(c)(2)				50.73(a)(2)(vii)			

LICENSEE CONTACT FOR THIS LER (12)									
NAME Ms. Brenda W. O'Rourke, Licensing Engineer							TELEPHONE NUMBER (include Area Code) (616) 465-5901, x2604		

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

SUPPLEMENTAL REPORT EXPECTED (14)					EXPECTED SUBMISSION DATE (15)			MONTH	DAY	YEAR
<input checked="" type="checkbox"/>	YES (If Yes, complete EXPECTED SUBMISSION DATE).				<input type="checkbox"/>	NO		05	28	1999

Abstract (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)
 On January 15, 1999, Operations identified a discrepancy between the Unit 1/2 Technical Specification (TS) 3.9.7 impact energy limit and procedure 12 OHP 4030.STP.046, "New and Spent Fuel Crane Operability Verification and Functional Tests." A preliminary review completed on February 23, 1999, indicated that in the event the fuel crane dropped its load from the maximum height of 15 inches above the spent fuel racks, with a current maximum fuel assembly weight of 1465 pounds (lbs) and a Rod Cluster Control Assembly weight of 165 lbs, a calculated impact energy of 24,450 inch-pounds (in-lbs) could be imparted to the top of the spent fuel pool racks. This resultant impact energy is greater than the TS limit of 24,240 in-lbs, which was based on previous fuel assembly weights and previously installed Exxon spent fuel racks. The currently installed Holtec fuel racks can withstand a calculated impact energy of 55,800 in-lbs. Due to untimely evaluation of the identified condition, information necessary to determine whether this condition was reportable was delayed. On February 23, 1999, in accordance with 10 CFR 50.73(a)(2)(i)(B), this condition was determined to be reportable for a condition prohibited by plant TS.

Preliminary investigation indicates that the cause was lack of design basis control for the Spent Fuel Pool system and attendant equipment, and its interface with Technical Specification requirements.

As immediate corrective action, 12 OHP 4030.STP.046 was placed on administrative hold, and a clearance was placed on the spent fuel crane to preclude fuel movement. The root cause investigation for this event has not been completed. Based on the results, information regarding the safety significance of this condition, including additional corrective and preventive actions, will be provided in an update to this LER when the investigation is complete.