

Eder, David C.

From: Shields, Stephen T. *nr*  
Sent: Friday, July 16, 2004 3:53 PM  
To: OPEX Daily Report - Braidwood; OPEX Daily Report - Clinton; OPEX Daily Report - Dresden; OPEX Daily Report - LaSalle; OPEX Daily Report - Quad Cities; OPEX Daily Report - Byron; OPEX Daily Report - Zion; OPEX Daily Report - Miscellaneous; OPEX Daily Report - Cantera; OPEX Daily Report - Limerick/Kennett Square; OPEX Daily Report - TMI; OPEX Coordinators  
Subject: DIER - Daily Industry Event Report for Monday, July 19, 2004

**II. SIGNIFICANT EVENTS (AS DEFINED IN 10 CFR 50.72) REPORTS FILED IN THE PAST 24 HOURS**

EVENT #40874  
FACILITY : PALO VERDE  
EVENT DATE : 07/14/2004  
EVENT TIME : 16:30 [MST]

**ALL THREE UNITS EXCEEDED THE MAXIMUM POWER LEVEL SPECIFIED IN THEIR OPERATING LICENSE**

"PALO VERDE NUCLEAR GENERATING STATION UNITS 1, 2, AND 3 DETERMINED THAT THE MAXIMUM POWER LEVEL SPECIFIED IN OPERATING LICENSE CONDITION 2.C(1) WAS EXCEEDED IN THE PAST DUE TO A NONCONSERVATIVE FEEDWATER FLOW INPUT IN THE SECONDARY CALORIMETRIC CALCULATION SINCE INSTALLATION OF ULTRASONIC FEEDWATER FLOW MEASUREMENT (UFM) INSTRUMENTATION IN UNITS 1 AND 3 IN 1999 AND 2000 IN UNIT 2. ON 06/09/2004, THE VENDOR (CALDON) NOTIFIED PALO VERDE VIA A LETTER THAT THERE MAY BE AN ERROR OF UP TO ONE TO ONE AND ONE-HALF PERCENT IN THE FLOW MEASUREMENT. AS A COMPENSATORY MEASURE, ALL THREE UNITS REDUCED POWER AND REMOVED THE UFM FROM SERVICE. FEEDWATER FLOW METERING ARE USED FOR MEASUREMENT WITH THE UFM OUT OF SERVICE. ENGINEERING EVALUATION CONCLUDED ON 07/14/2004 THE MAXIMUM PALO VERDE SPECIFIC CALORIMETRIC ERROR WAS APPROXIMATELY 38.76 MW IN UNITS 1 AND 3 AND 39.90 MW IN UNIT 2 OR APPROXIMATELY 1 PERCENT.

THE ERROR RESULTED IN CORE POWER LEVELS ABOVE THE OPERATING LICENSE LIMIT OF 3876 MW THERMAL IN UNITS 1 AND 3 AND THE OPERATING LICENSE LIMIT OF 3990 MW THERMAL IN UNIT 2 WHILE THE UFM WAS IN SERVICE.

THIS REPORT IS BEING MADE BECAUSE A REVIEW OF HISTORICAL OPERATING DATA REVEALED THAT THE MAXIMUM POWER LEVEL WAS EXCEEDED.

THE PALO VERDE SAFETY ANALYSES BOUND A POWER LEVEL OF 102 PERCENT. POWER LEVEL DID NOT EXCEED THE SAFETY ANALYSIS.

NO ESF ACTUATIONS OCCURRED AND NONE WERE REQUIRED AS A RESULT OF THE MISCALIBRATION. THERE WERE NO OTHER STRUCTURES, SYSTEMS, OR COMPONENTS THAT WERE INOPERABLE AT THE TIME OF DISCOVERY THAT CONTRIBUTED TO THIS CONDITION. THERE WERE NO FAILURES THAT RENDERED A TRAIN OF A SAFETY SYSTEM INOPERABLE AND NO FAILURES OF COMPONENTS WITH MULTIPLE FUNCTIONS WERE INVOLVED. THE EVENT DID NOT RESULT IN THE RELEASE OF RADIOACTIVITY TO THE ENVIRONMENT AND DID NOT ADVERSELY AFFECT THE SAFE OPERATION OF THE PLANT OR HEALTH AND SAFETY OF THE PUBLIC."

**B-72**