

ATTACHMENT TO LER# 82-067/03L-0

SUPPLEMENT TO CAUSE DESCRIPTION

THIS REPORT IS SUBMITTED PERSUANT TO THE REQUIREMENTS OF APPENDIX A TECHNICAL SPECIFICATIONS 3.4.8 AND 6.9.1. ON AUGUST 1, 1982, THE DOSE EQUIVALENT IODINE-131 ACTIVITY IN THE UNIT 2 REACTOR COOLANT SYSTEM WAS FOUND OUT OF SPECIFICATION.

AT 0315 HOURS ON JULY 31, 1982, THE UNIT STARTED A CONTROLLED SHUTDOWN, WITH THE REACTOR GOING SUBCRITICAL AT 0211 HOURS ON AUGUST 1, 1982. LABORATORY ANALYSIS AT 0230 HOURS ON AUGUST 1, 1982, INDICATED THE REACTOR COOLANT DOSE EQUIVALENT IODINE-131 CONCENTRATION HAD EXCEEDED THE TECHNICAL SPECIFICATION LIMITS OF 1.0 $\mu\text{Ci}/\text{gram}$. *THE DOSE EQUIVALENT IODINE-131 ACTIVITY SPIKED TO A MAXIMUM OF 2.85 $\mu\text{Ci}/\text{gram}$ AT 0415 HOURS ON AUGUST 1, 1982. THE REACTOR COOLANT SYSTEM DOSE EQUIVALENT IODINE REMAINED ABOVE TECHNICAL SPECIFICATION LIMITS UNTIL 0400 HOURS ON AUGUST 2, 1982, ALL SUBSEQUENT DOSE EQUIVALENT IODINE ANALYSIS INDICATED DECREASING LEVELS OF IODINE. FOLLOWING THE SHUTDOWN, THE UNIT WAS COOLED DOWN TO MODE 5 AND DEGASSED. IODINE RELEASE AT THIS TIME PERIOD IS CONSISTENT WITH DATA REPORTED IN WESTINGHOUSE ELECTRIC CORPORATION WCAP-8637, "IODINE BEHAVIOR UNDER TRANSIENT CONDITIONS IN THE PRESSURIZED WATER REACTOR". DOSE EQUIVALENT IODINE-131 VALUES WERE IN THE "ACCEPTABLE OPERATION" PORTION OF TECHNICAL SPECIFICATION FIGURE 3.4-1 AT ALL TIMES DURING THE TRANSIENT. ALL APPLICABLE TECHNICAL SPECIFICATION ACTION ITEMS WERE MET DURING THIS TIME.

FUEL BURNUP BY THE REGION AND ALL ADDITIONAL DATA, AS REQUIRED BY TECHNICAL SPECIFICATION 3.4.8, IS FOUND IN THE ATTACHMENTS.

*COOLANT SAMPLES ARE BROUGHT TO AMBIENT CONDITIONS PRIOR TO COUNTING; THEREFORE, UNITS OF $\mu\text{Ci}/\text{gram}$ AND $\mu\text{Ci}/\text{cc}$ ARE CONSIDERED INTERCHANGEABLE.

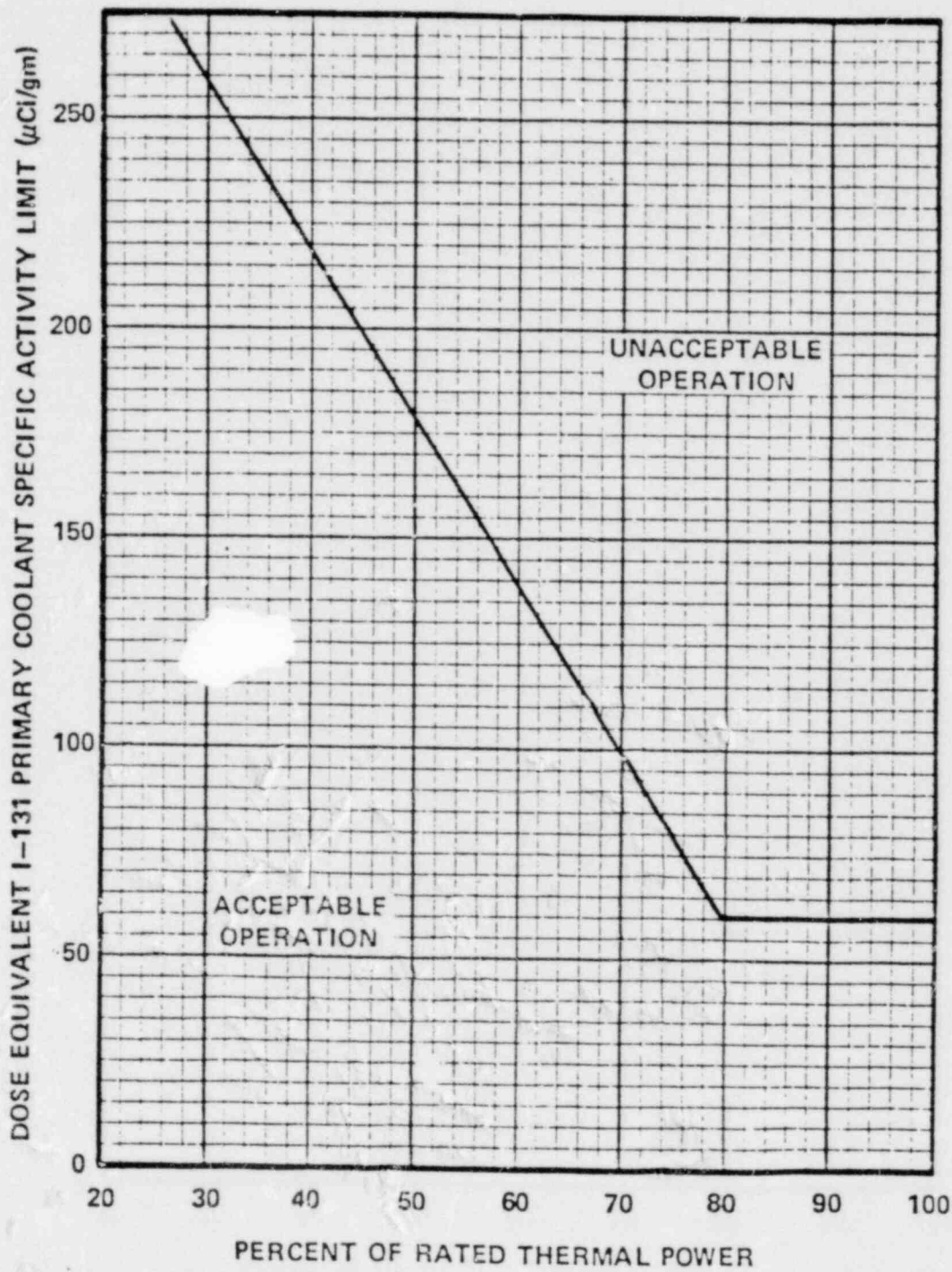


FIGURE 3.4-1

DOSE EQUIVALENT I-131 Primary Coolant Specific Activity Limit Versus Percent of RATED THERMAL POWER with the Primary Coolant Specific Activity $> 1.0 \mu\text{Ci}/\text{gram}$ Dose Equivalent I-131

Unit 2 Reactor Coolant System
D.C. COOK NUCLEAR PLANT
UNIT 2

DIETZEN CORPORATION
MADE IN U.S.A.

USE 3500 TO DIETZEN GRAPH PAPER
10 X 10 PER INCH

