



ATTACHMENT TO LER # 82-106

SUPPLEMENT TO EVENT DESCRIPTION

THE 2C4 BREAKER WAS FOUND TO HAVE AN INOPERABLE ANTI-PUMP CIRCUIT WHEN IT WAS TRIPPED DURING A SURVEILLANCE TEST. BREAKER 2C4 WAS CLOSED WITH BOTH THE UNIT AND OVERALL DIFFERENTIAL HEA RELAYS TRIPPED. WHENEVER THE UNIT OR THE OVERALL DIFFERENTIAL HEA RELAYS OPERATE, A STANDING CLOSE SIGNAL WILL EXIST FOR BREAKERS 2C4 AND 2D3. UNDER THIS CONDITION THE ANTI-PUMP CIRCUIT IS RELIED ON TO PREVENT MULTIPLE OPERATIONS OF THE BREAKER IF A STANDING TRIP SIGNAL DEVELOPES, TRYING TO OPEN THE BREAKER, THE BREAKER WOULD CONTINUE TO OPEN AND CLOSE AUTOMATICALLY UNTIL IT DESTROYED ITSELF. THIS WOULD RESULT IN THE LOSS OF AN A.C. ELECTRICAL SOURCE REQUIRED BY T. S. 3.8.1.1.a.

TO REMOVE THE DANGER OF THE BREAKER BEING DAMAGED, THE UNIT SUPERVISOR WAS INSTRUCTED TO OPEN DESIGNATED KNIFE BLADE SWITCHES REMOVING THE STANDING CLOSE SIGNAL FROM THE TRIPPED HEA RELAY. THESE SWITCHES WERE TAGGED TO PREVENT OPERATION UNTIL THE COIL IN THE ANTI-PUMP CIRCUIT COULD BE REPAIRED.

THE REVISION TO THIS LER ADDED THIS SUPPLEMENT GIVING A BETTER UNDERSTANDING OF THIS EVENT.