

TITLE: Reactor Startup Procedure	Major Rev: 001
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## 1.0 MODE 3

1.1 **VERIFY** Mode Switch in SHTDN Position

1.2 **VERIFY** Reactor Scram Reset

1.3 **VERIFY** Both RRC Pumps running at 25% rated flow

1.3 **PLACE** the Mode Switch in STRT Position

## 2.0 MODE 2

2.1 **VERIFY** RWM Bypass Off

### 2.2 POWER

2.2.1 **SELECT** the first control rod as directed by the RWM

2.2.2 **WITHDRAW** the selected control rod

2.2.3 **CONTINUE** withdrawing control rods to reach criticality

2.2.4 **MAINTAIN** Reactor Period GT 30 secs

2.2.5 **WITHDRAW** SRMs to maintain indication levels between the rod blocks (100 cps and 1x10e5 cps)

2.2.6 **ADVANCE** the IRM range change switches to maintain an indication of 25 to 75

## 3.0 HEATING RANGE

### 3.1 POWER

3.1.1 **VERIFY** APRM response as IRM range increases

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3.1.2 **VERIFY** LRPM response with APRM3.2 WHEN Reactor Power GE 5%THEN **PLACE** the Reactor Mode Switch in the RUN Position4.0 MODE 14.1 POWER4.1.1 **CONTINUE** increasing power to 100% APRM4.1.2 WHEN Reactor Power GE 20%THEN **INCREASE** Recirculation flow gradually to about 95% as required to reach full power

Table 1.1, Used Acronyms

"GE"	Greater Than or Equal To
"LE"	Less Than or Equal To
"GT"	Greater Than
"LT"	Less Than