

DRESDEN UNIT 2
STARTUP TEST NO. 2
CONTROL ROD OPERABILITY AND SUBCRITICAL CHECK

PURPOSE

The purpose of this test is to assure that no gross large local reactivity irregularities exist and that all control rods are functioning properly.

CRITERIA

- 1) Each control rod will be withdrawn after the four fuel bundles surrounding the given control rod are loaded. This will insure that the mobility of the control rod is not impaired.
- 2) After the core is fully loaded, each control will be withdrawn and inserted one at a time to assure that criticality will not occur due to the withdrawal of a single rod. Nuclear instrumentation will be monitored during the movement of each control rod to verify subcriticality.

RESULTS AND DISCUSSION

Each control rod was withdrawn after the four fuel bundles surrounding the given control rod were loaded. Control rod mobility was assured.

After the core was loaded, each control rod was withdrawn and inserted one at a time. The Source Range Monitors were monitored during the movement of each rod and subcriticality was verified.

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