



UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

March 4, 1970

J. P. O'Reilly, Chief, Reactor Inspection and Enforcement Branch
Division of Compliance, Headquarters

SUMMARY OF MONTICELLO INSPECTION STATUS

Our estimate of completion dates is as follows:

1. The April 24, 1970 date stated by the applicant is possible on a "no contingency" basis.
2. Our "best" estimate is May 30, 1970.
3. The date depends on the type of license requested by the applicant; viz., lower power for fuel loading vs. full power.

We have discussed plant completion and the nature of the findings which we must furnish information for. The applicant and GE were informed that the standards which we used for determining completion were the application, the proposed technical specifications, and the applicable codes and standards.

The following is a summary of the status of completion of our pre-operational inspection program at the subject facility with reference to the status of plant completion.

1. Mechanical Items

Our inspection program is 7-90% complete in this area. The major outstanding items are:

- a. The resolution of 45 DDR items.
 - (1) Twelve are considered to be resolved on the basis of the available information.
 - (2) Five are considered to be resolved on the basis of a recently completed vendor inspection at NAVCO.
 - (3) Two will be resolved when the performance of field work is verified.

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- (4) Eight items appeared on Dresden DDR's which were identified in connection with Dresden Table A and considered amenable to resolution in a like manner.
 - (5) Six Table A items which apply to Monticello, one of which will be resolved by field work.
 - (6) Four non-Table A DDR's identified in connection with Dresden and considered amenable to resolution in the same manner.
 - (7) Five DDR's for which more information had been requested.
 - (8) Five DDR's for which technical assistance has been requested by CO:III.
- b. Applicant has committed himself verbally to a review of quality of pipe fabricated by NAVCO.

Mechanical construction at the site is estimated to be >95% complete. The major remaining items are:

- (1) Insulation of major lines.
- (2*) Completion of installation of jet force and seismic restraints. This item is considered to be critical to plant completion by April 24, 1970. Restraints are installed in Class I structures (in the drywell and reactor building), but not in Class II structures (turbine building, etc.). If applicant is committed to installation of all jet force and seismic restraints at least six weeks will be added to the schedule.
- (3) Locating and repairing of leak of 5 to 10 gpm in refueling pool lines.
- (4) Removal of scaffolding and staging throughout plant.

2. Electrical and Instrumentation

Our inspection effort in this area is > 95% complete. There are a number of follow-up items remaining to be resolved.

Construction in these areas is considered to be > 95% complete. The following significant construction items remain to be completed:

- a* One incoming power line remains to be constructed. The applicant proposes to start up without it. We consider this to be potential nonconformance with the FSAR and have so informed the applicant.

- b* Delivery on certain instruments for the radiation waste facility may be late.
- c. Delivery on miscellaneous switch-gear may be late.
- d. Certain backfit instrumentation modifications may not be performed because of delivery problems; viz., auto relief valve bellows seal modification and test.
- e* Installation of the N₂ containment purge system is not contemplated prior to the completion of the warranty run.

3. Preoperational Testing

Our inspection effort in this area is > 40% complete. We are hampered because many of the test procedures have just recently been issued in final form. The actual testing of systems has just begun with the testing of key systems just beginning.

One cannot predict the outcome of functional testing and our experience indicates that many schedule delays occur during this period.

At one time the applicant planned on startup prior to completion of the secondary containment system testing*. The applicant plans to perform a cold integrated systems test and a hot functional test like that projected for Dresden. The procedures for these tests are not yet available for review.

4. Startup Testing

Our review of this phase has not yet been initiated because the procedures are not yet available. GE personnel have indicated that the procedures are in preparation. We have informed the applicant we consider the availability of these procedures to be critical to our review.

5. Procedures

Our review is > 20% complete in this area. The availability of final approved procedures is the problem. We have informed the applicant of our concern in this area.

6. Health Physics and Security

Our preoperational inspection program is > 80% complete. We plan to perform a third inspection at the site as soon as practicable.

The applicant currently plans to start up with the temporary construction fence in place rather than the permanent fence described in the FSAR.

Harold D. Thornburg

Harold D. Thornburg
Senior Reactor Inspector

- * Items which the applicant might not have completed prior to the point where he would like to load fuel.

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