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APPLICANT: ARKANSAS POWER & LIGHT COMPANY

FACILITY: ARKANSAS NUCLEAR ONE, UNIT 1

SUMMARY OF ACRS SUBCOMMITTEE AND FULL COMMITTEE MEETINGS

SUBCOMMITTEE MEETING

The ACRS Subcommittee meeting on Arkansas Nuclear One, Unit 1 (ANO-1) was held in Washington, D. C. on July 26, 1973. The agenda was provided by the ACRS staff in a July 19, 1973 memorandum which is enclosed. The Subcommittee meeting followed the agenda; the following were some of the specific items of discussion:

1. Communications Systems

Dr. Moeller noted that the staff required an operational test of the ANO-1 in-plant communication system for its utility under accident conditions, but accepted its classification as a Category 2 system. The ensuing discussion covered the requirements for communications in-plant and off-site during emergency situations.

2. Operational Experience

Dr. Isbin pursued a line of questioning with the applicant, the architect-engineer, and the steam supplier on the specific administrative methods they use to feed operational experience back into the design and construction work.

3. Diesel Peaking

The ANO-1 request to use the emergency diesel generators for peaking service was discussed in some detail. The staff position, forbidding such use, and requiring removal of the attendant special power connection provisions was explained.

4. Reactor Building Crane

Dr. Isbin asked if the reactor building crane was immune to single failure. He was told that it had not been analyzed as such; he did not pursue the question.

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5. Loose Parts Monitoring

The loose parts and vibration monitoring system for ANO-1 was discussed.

6. ECCS

The small break analysis was discussed at some length.

7. Emergency Procedures

There was extensive discussion and questioning about post-accident emergency procedures; the emphasis was on off-site conditions and evacuation.

FULL COMMITTEE MEETING

The ACRS Full Committee meeting on ANO-1 was held the evening of August 9, 1973, in Washington, D. C. No agenda was furnished by the ACRS. The ANO-1 meeting was held immediately after the ACRS meetings which addressed B&W reactor design considerations in general for three current cases (Oconee 2/3, ANO-1, and Three Mile Island 1). As a result, the ANO-1 meeting was very brief; less than 1 hour. The following were some of the specific items discussed:

1. New Madrid Earthquake

Dr. Okrent asked if there was recent minor seismic activity in Arkansas which could be related to New Madrid. The applicant indicated no knowledge of such activity.

2. Diesel Peaking

Dr. Stratton argued whether the use of diesels for peaking service might be good for testing purposes.

3. Emergency Procedures

Dr. Okrent pursued a line of questioning about staff review of instruments to monitor the course of major accidents, particularly within the reactor building. He expressed dissatisfaction with the apparent scope and depth of the staff review.

Summary of ACRS Subcommittee
and Full Committee Meeting

- 3 -

ACRS Letter

The resulting ACRS letter on ANO-1 is enclosed.

Original Signed by
Robert M. Bernero
R. M. Bernero, Project Manager
Pressurized Water Reactors Branch 4
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Enclosures:

1. Memo, ACRS Subcommittee
Meeting Agenda, dtd 7/19/73
2. ACRS Ltr to Chairman Ray,
dtd 8/14/73

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