



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

September 20, 1979

Docket No. 50-346

LICENSEE: TOLEDO EDISON COMPANY (TECO)
FACILITY: DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1 (Davis-Besse 1)
SUBJECT: SUMMARY OF MEETING HELD ON AUGUST 15, 1979, TO DISCUSS THE
APPENDIX I TECHNICAL SPECIFICATIONS AND THE ENVIRONMENTAL MONITORING
PROGRAM

A meeting was held in Bethesda, Maryland on August 15, 1979, with representatives of TECO and Applied Physical Technology to discuss TECO's proposed Radiological Effluent Technical Specifications (TS) dated March 19, 1979, and the Davis-Besse 1 Offsite Dose Calculation Manual (ODCM). A list of attendees is included in Enclosure 1.

Discussion

Each item is discussed separately as follows:

1. Liquid/Gaseous Effluent Monitoring and Channel Checks should be done "at all times" rather than during any releases.

TECO requested feedback from the staff on what is acceptable for surveillance of monitoring instrumentation. The instrumentation is only operational when discharging effluents. The question is how or what type of TS is necessary to provide for a daily channel check.

2. Why was service effluent line not included in Specification 3.3-15? FSAR and Interim TS indicate presence of monitor. Also, is there a component cooling water discharge line?

The service water effluent monitor was not included because the TS would imply that after 30 days if the monitor was not in service, the plant would need to shut down. The staff suggested that if such an event occurred, the licensee could request a license amendment which would temporarily extend the time. This appeared to be unsatisfactory. The staff agreed to review this area on a generic basis. TECO would propose an alternative.

3. Indicate if monitoring or sampling is done on turbine building floor drain sumps effluent. Indicate if monitoring or sampling is done on condensate demineralizer backwash effluent line.

Yes, to both concerns.

1089 199
7910040076
P

4. Do you have the following alarm/trip setpoints on your liquid/gaseous effluent monitors: circuit failure, downscale failure, instrument control not set in operating mode.

The staff desires automatic isolation with failure of instrumentation of liquid rad-waste and alarm with failure of other instrumentation. Davis-Besse 1 does not have these features. TECO will review the instrumentation and propose modifications.

5. Since the FSAR indicates that there are redundant O₂ analyzers in the waste gas system, why do you list only one in Specification 3.3-16 and 4.3-16?

TECO will list both O₂ analyzers in the TS.

6. The action for containment noble gas activity monitor (Spec. 3.3-16) should not be the same as the station vent stack. It should be to suspend purge.

TECO's concern with respect to the above is that they would be required to suspend purge with entry into containment. They already have isolation of purge on high radiation. This will be verified.

7. Table 4-11 should show sampling for releases from turbine building floor drains effluent and condensate demineralizer backwash effluent to be done when the secondary side levels exceed a predetermined value.

TECO will propose the TS as provided in Revision 2 of NUREG-0472. The turbine building floor drain effluent will not have a continuous release. Sampling will be done by grab sample every four hours when there is a release.

8. The equation for LLD for building effluents should include a correction for decay, $e^{-\lambda t}$

TECO indicated that this doesn't seem logical because the material in the tank is decaying at same rate as the sample, and therefore the sample will indicate the condition of the material in the tank at the same time as the sample is measured for its condition.

Frank Congel, DSE, will provide the rationale for this requirement.

9. Where is the reactor section on Uranium Fuel Cycle doses?

TECO has a problem in resolving this issue as it relates to 40 CFR 190. When that is resolved, they will provide a section in their TS.

Meeting Agenda Items

1. No measurement on P-32 and Fe-55.

TECO did not see a need for monitoring these isotopes on a continuous basis. It is a staff position that they should. TECO will instead, propose special studies on these isotopes.

2. The TS for Dose for Liquid and Gaseous Releases should include Appendix I.

TECO concern is that the regulations (Appendix I) in this matter provide guidance and not a requirement. By providing limits in the TS, the guidance now becomes a requirement which, they believe, was not the intent of the regulations. The staff's position was that the limits should be a part of the TS. TECO will provide a response for the staff's consideration.

3. The TS for LCO for operability should be as given in NUREG-0472.

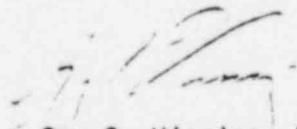
TECO will provide a definition of operability in the ODCM.

4. Need Section on Solid Waste; need PCP.

There appears to be a question of the acceptability of the of the Urea Formaldehyde (UF) process for solidification of waste. IE Bulletin 79-19 seems to impact on this. The details on this section will be worked out as soon as TECO can obtain some clarification on the impact of IE Bulletin 79-19.

Conclusions

TECO will resubmit their proposed TS within 30 days.


Guy S. Vissing, Project Manager
Operating Reactors Branch #4
Division of Operating Reactors

APPENDIX I - DAVIS-BESSE 1 MEETING

AUGUST 15, 1979

ATTENDANCE LIST

NRC

G. S. Vissing

Joe H. Osloond

Frank Cardile

W. C. Burke

Applied Physical Technology

Bob Hearn

David Walker

Jersey Central Power & Light Co.

J. Knubel

Toledo Edison Co.

B. R. Beyer

Jennifer Scott-Wasilk

Ted Myers

Ron Scott

David Briden

Items for Discussion
Concerning Environmental
Technical Specifications
for Davis-Besse 1

1. Liquid/Gaseous Effluent Monitoring and Channel Checks should be done "at all times" rather than during only releases.
2. Why was service water effluent line left off T. 3.3-15? FSAR and Interim Tech Specs indicate presence of monitor. Also is there a component cooling water discharge line?
3. Indicate if monitoring or sampling is done on turbine bldg. floor drain sumps effluent? Indicate if monitoring or sampling is done on condensate demin. backwash effluent line?
4. Why was borated water storage tank left off T. 3.3-15?
5. Do you have the following alarm/trip setpoints on your liquid/gaseous effluent monitors: circuit failure?, downscale failure?, instrument controls not set in operate mode?
6. Since the FSAR indicates that there are redundant O₂ analyzers in the waste gas system, why do you list only one in T. 3.3-16 and 4.3-16?
7. The action for the containment purge noble gas activity monitor (T. 3.3-16) should not be the same as the station vent stack. It should be to suspend purge.
8. Table 4.11-1 should show sampling for releases from turbine bldg. floor drains effluent and condensate demin. backwash effluent to be done when secondary side levels exceed a predetermined value.

9. The eqtn for LLD for bldg. effluents should include a correction for decay,
 $e^{-\lambda\Delta t}$.
10. Where is section on uranium fuel cycle doses?

Meeting Agenda Items

1. Measurement of P-32, Fe-55
2. The tech spec for Dose for liquids and gaseous releases should include Appendix I.
3. The tech spec for LCO for operability should be as given in NUREG-0472.
4. Need section on solid waste; need PCP.

MEETING SUMMARY DISTRIBUTION

ORB#4

Mr. Lowell E. Roe
Vice President, Facilities
Development
Toledo Edison Company
Edison Plaza
300 Madison Avenue
Toledo, Ohio 43652

Docket File

NRC PDR
L PDR
ORB#4 Rdg
NRR Rdg
H. Denton
E. G. Case

D. Eisenhut
R. Vollmer
W. Russell
B. Grimes
T. J. Carter
A. Schwencer
D. Ziemann
T. Ippolito
W. Gamill
L. Shao
J. Miller

R. Reid
V. Noonan
P. Check
G. Lainas
G. Knighton
Project Manager -GVissing
OELD
OI&E (3)
R. Ingram
R. Fraley, ACRS (16)
Program Support Branch
TERA
J. R. Buchanan
Meeting Summary File
NRC Participants
JHosloond
FCardile
WBurke

1089 205