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

Docket No. 50-364

SEP 24 1980

APPLICANT: Alabama Power Company

FACILITY: Joseph M. Farley Nuclear Plant Unit No. 2

SUBJECT: SUMMARY OF JULY 9, 1980 MEETING REGARDING REVIEW OF OPERATING LICENSE APPLICATION

The staff met with the applicant, at its request, to discuss certain areas of the radiological effluent proposed technical specifications for Farley Unit No. 2. A list of attendees is in Enclosure 1. Enclosure 2 is an agenda for the meeting. Enclosure 3 is applicant's summary of the meeting. Enclosure 4 is the applicant's proposed specification for limiting combustible gas concentrations in the gaseous radwaste system.

The staff requested that the Offsite Dose Calculations Manual be revised to show methods for calculating set points Also the staff requested that the process control program for radwaste solidification be provided. The applicant said it would provide current process control program, and said that it was revising the program to meet burial ground requirements. The staff requested that the revised program be submitted.

L. L. Kintner, Project Manager
Licensing Branch #2
Division of Licensing

Enclosures:
1. List of Attendees
2. Meeting Agenda
3. Applicant's Meeting Agenda
4. Proposed Specifications for limiting Combustible Gas Concentrations in Gaseous Radwaste System

cc w/encl:
See next page

Mr. F. L. Clayton, Jr., Senior Vice
President
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SEP 24 1980

cc: Mr. Alan R. Barton
Executive Vice President
Alabama Power Company
Post Office Box 2641
Birmingham, Alabama 35291

Mr. Ruble A. Thomas
Vice President
Southern Company Services, Inc.
Post Office Box 2625
Birmingham, Alabama 35202

Mr. George F. Trowbridge
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N. W.
Washington, D. C. 20036

Mr. W. Bradford
NRC Resident Inspector
P. O. Box 1814
Dothan, Alabama 36302

ENCLOSURE 1

LIST OF ATTENDEES

MEETING WITH FARLEY UNIT NO. 2
JULY 9, 1980
RADIOLOGICAL TECHNICAL SPECIFICATIONS

NRC

L. L. Kintner *
P. C. Wagner
D. J. Vito
J. Boegli
C. Patel
C. A. Willis

Alabama Power

K. W. McCracken
D. D. Kingsley, Jr.
C. D. Nesbitt
M. Jackson
T. N. Epps

Southern Co. Services

J. N. McLeod

GO

T. N. Epps

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*Part-time

ENCLOSURE 2

AGENDA

RADIOLOGICAL/EFFLUENT TECH SPEC MEETING
JULY 9, 1980

1. Specification 3.3.310 -- Applicability and Action Statements
2. Table 3.3-13, Table Notation, Action 28
3. Specification 3.3.3.11 -- Action Statement (Note: This is similar to agenda item 1)
4. Table 4.3-14, Table Notation, Item (3), (4)
5. Specifications 3.11.1.1 and 3.11.2.1, Action Statements
6. Specification 4.11.1.1.1
7. Table 4.11-1, Table Notation
   (a) MDC Definition
   (b) APCo proposed note h
8. Specification 3.11.1.2
9. Table 4.11-2, Table Notation
   (a) MDC Definition (similar to item 7a)
   (b) APCo proposed note h (similar to 7b)
   (c) Notes b and d
10. Specification 3.11.2.2, New Parenthetic Expression
11. Specification 3.11.2.3 (similar to item 8)
12. Specification 3.11.2.5, Action b
13. Specification 4.11.2.6 (and APCo proposed Specification 4.11.2.7)
14. Specification 4.12.3
15. Specification 6.5.1.2, 6.5.2.2, 6.5.3.1a 6.1.2

    Note: These specifications are affected by a separate submittal.
16. Specification 6.5.2.8, item o, and Specification 6.8.1, item i
17. Specification 6.9.1.7
18. Specification 6.9.1.9

19. Specification 6.9.1.10
20. Specification 6.1.3.2, item 2
21. Specification 6.14.2, item 2
22. Specification 6.15.1

Intracompany Correspondence

Mr. Les Kintner

ENCLOSURE 3

Alabama Power

Subject: Summary of the Agreements and Open Items from the July 9 Meeting at the NRC

Date: July 21, 1980

From: Mr. T. N. Epps

At: Nuclear Generation

To: File

The following is a summary of the agreements and open items from the July 9 meeting at the NRC.

Agenda Item 1, Specification 3.3.3.10

(a) NRC will take under advisement the APCo position on Applicability.

(b) NRC agreed to take under advisement the APCo Action C. NRC indicated that out-of-service time necessitating a report may be changed to 72 hours rather than 14 days.

Agenda Item 2, Table 3.3-13, Table Notation

APCo submitted a new draft ACTION 28. NRC accepted the new draft (copy attached).

Agenda Item 3, Specification 3.3.3.11

(a) Same as 1b above.

Table 3.3-14, Table Notation

This is the same as Agenda Item 2. (This was not on the agenda.) NRC agreed to insert APCo recommended ACTION 35.

Agenda Item 4, Table Notation, Items 3 and 4

NRC agreed to accept calibration in accordance with manufacturer's recommendation with zero and span gas. This can be accomplished either by deleting footnotes or by changing notes to read, "utilizing a zero gas and a span gas at the nominal concentration specification by manufacturer" to the existing APCo submittal words.

Agenda Item 5, Specifications 3.11.1.1 and 3.11.2.1

NRC rejected the APCo position.

Agenda Item 6, Specification 4.11.1.1.1

NRC agreed to accept APCo deletion of "prior to release".

Agenda Item 7, Table 4.11-1, Table Notation

(a) MDC definition - APCo agreed to accept NRC position. NRC will modify effluent bases to be similar to MDC discussion and environmental bases on Page B, 3/4,12-1.
(b) NRC agreed to accept APCo proposed note h.

Agenda Item 8, Specification 3.11.1.2

(a) APCo agreed to accept NRC wording of the Specification.
(b) NRC agreed to delete the parenthetic addition to ACTION a and footnote regarding drinking water.

Agenda Item 9, Table 4.11-2, Table Notation

(a) Same as Agenda Item 7a.
(b) NRC agreed to accept APCo proposed note h. Same as Agenda Item 7b.
(c) The APCo proposal on notes b and d will be considered by NRC. A sketch of effluent paths showing monitors will be provided by APCo to facilitate consideration by NRC.

Agenda Item 10, Specification 3.11.2.2

(a) APCo agreed to accept NRC wording of the specification.
(b) NRC agreed to delete the parenthetic addition following paragraph b.

Agenda Item 11, Specification 3.11.2.3

APCo agreed to accept NRC position.

Agenda Item 12, Specification 3.11.2.5

APCo showed NRC a triaxial graph of explosive flammable mixtures of H_2, O_2 and N_2. APCo will document the accuracy of the graph. The graph will then be considered by NRC as a basis for setting H_2 and O_2 tech spec limits. This revised specification and appropriate documentation will be submitted to NRC by APCo.

Agenda Item 13, Specification 4.11.2.6 and APCo Proposed Specification 4.11.2.7

NRC accepted APCo position provided the tank is sampled daily when the inventory exceeds 20,000 curies. APCo accepted this change.

Table 4.12-1

This was not an agenda item. NRC agreed to delete the word "Maximum" from the table title.

Agenda Item 14, Specification 4.12.3

NRC accepted APCo deletion of the words "and in accordance with the ODCM".

Agenda Item 15

This item was discussed for information only. NRC agreed that they do not want conflicts between Unit 1 and Unit 2 specifications in Section 6.

Agenda Item 16, Specification 6.5.2.8 and 6.8.1

(a) NRC indicated that specified audits in Specification 6.5.2.8 must include all aspects of Regulatory Guide 4.15.
T This item was left open. NRC will provide clarification to APCo.
(b) NRC agreed to consider APCo position on specification 6.8.1, but noted that the procedure must include all applicable portions of Regulatory Guide 4.15.

Agenda Item 17, Specification 6.9.1.7

NRC agreed to proposed change in Footnote 3 as it applies to annual environmental operating report.

Agenda Item 18, Specification 6.9.1.9

(a) NRC agreed to consider APCo position on dose assessment to public within the site.
(b) APCo agreed to accept the paragraph on 40 CFR 190 compliance provided the last sentence is deleted. NRC stated that a statement of compliance in the radiological release report is sufficient to comply with the 40 CFR 190 report requirement stated here.
(c) APCo agreed to include unplanned releases in the effluent release report.

Agenda Item 19, Specification 6.9.1.10 and Agenda Item 22, Specification 6.15.1

NRC stated that the requirement for reporting changes to radwaste systems was written because certain utilities have not performed proper 10 CFR 50.59 evaluations for such modifications. APCo agreed to submit an FSAR amendment listing technical issues to be considered in performing 10 CFR 50.59 reviews. NRC agreed that an FSAR amendment could provide sufficient assurance of proper review and reporting. If the amendment is acceptable, NRC agreed that the tech specs can be revised to merely assure proper reporting of 50.59 modifications.

Agenda Items 20 and 21, Specifications 6.13.2 and 6.14.2

NRC accepted APCo positions.

ODCM

The ODCM was discussed. NRC indicated that the ODCM must be expanded to include setpoint methods prior to tech specs approval. APCo agreed to provide a revised ODCM.

PCP

NRC indicated that APCo must obtain approval of a Process Control Program for radwaste solidification prior to tech spec approval. APCo agreed to submit a PCP for the Chem-Nuclear System by the end of next week. APCo noted that a revised PCP may be forthcoming this fall when an upgraded solidification system is placed into service.

T. N. Epps

TNE:aw

cc: Mr. O. D. Kingsley, Jr.
Mr. K. W. McCracken
Mr. C. Nesbitt
Dr. W. M. Jackson
Mr. J. N. McLeod

NRC:

Mr. Charlie Willis
Mr. Jack Boegli
Mr. Les Kintner
Mr. Dave Vito
Mr. Phil Wagner
Mr. Chandu Patel

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RADIOACTIVE EFFLUENTS

EXPLOSIVE GAS MIXTURE

LIMITING CONDITION FOR OPERATION

3.11.2.5 The concentration of oxygen, hydrogen and nitrogen in the GASEOUS RADWASTE SYSTEM shall be limited to ~~less than or equal to 8% by volume~~ region A of Figure 4.11.3

APPLICABILITY: At all times.

ACTION:

a. With the concentration of oxygen, hydrogen and nitrogen in the GASEOUS RADWASTE SYSTEM ~~greater than 8% by volume but less than or equal 4% by volume~~, in region B of Figure 4.11.3, reduce the oxygen concentration to the above limits within 48 hours.

b. With the concentration of oxygen in the GASEOUS RADWASTE SYSTEM in region C of Figure 4.11.3 ~~greater than 4% by volume~~, immediately suspend all additions of waste gases to the system and ~~reduce~~ restore the concentration of oxygen, hydrogen and nitrogen to Region A immediately ~~to less than or equal to 4% by volume within one hour~~, and ~~2% by volume~~ within 48 hours ~~after initially exceeding 2% by volume~~.

c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.11.2.5 The concentration of oxygen in the GASEOUS RADWASTE SYSTEM shall be determined to be within the above limits by continuously monitoring the waste gases in the GASEOUS RADWASTE SYSTEM with the oxygen monitors required OPERABLE by Table 3.3-14 of Specification 3.3.3.11.

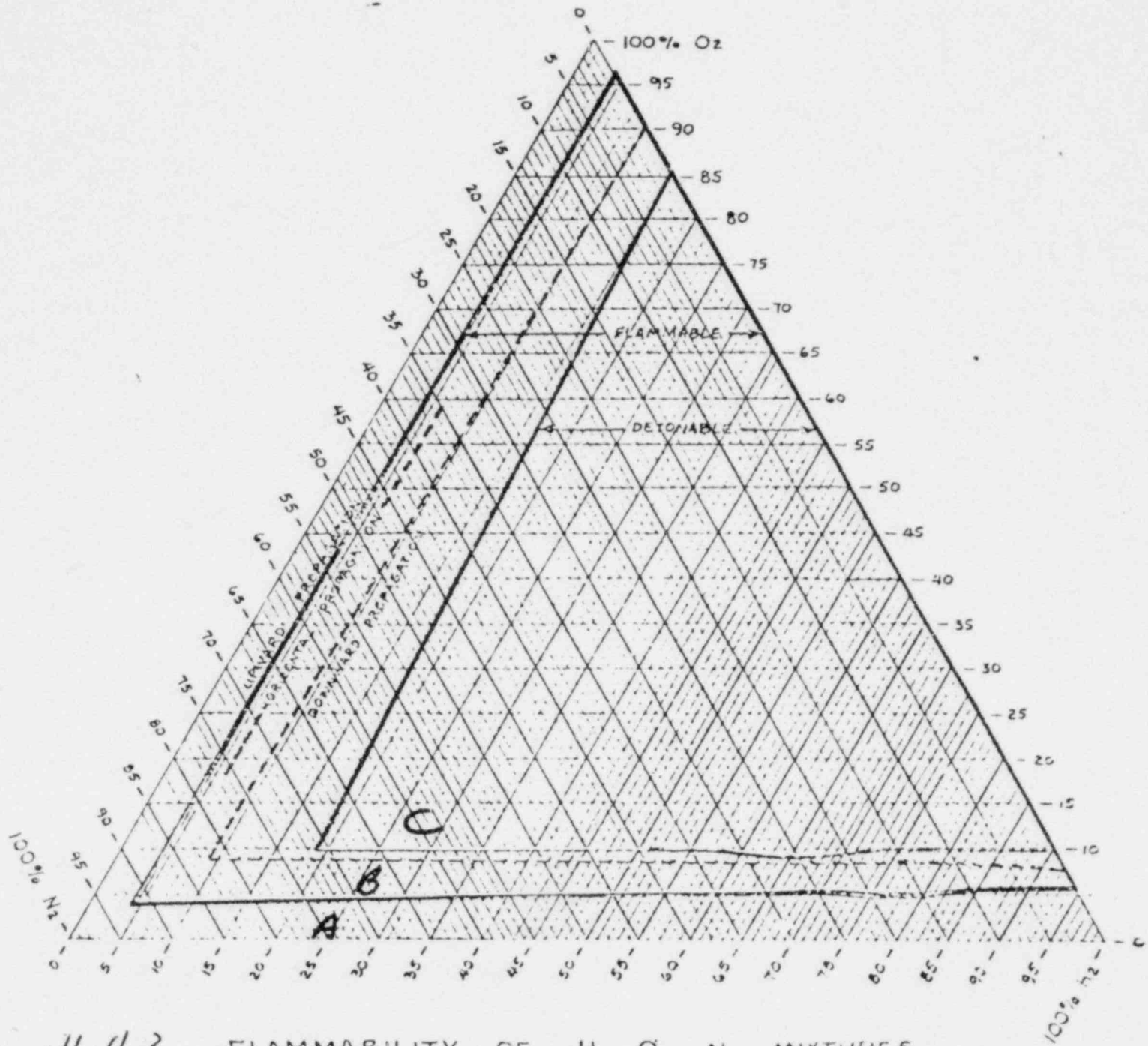

Figure 4.11.3 FLAMMABILITY OF H_2 - O_2 - N_2 MIXTURES