

ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED  
ELECTRICAL EQUIPMENT  
IEB 79-01B

TECHNICAL EVALUATION REPORT  
DOCKET NO. 50-270  
PLANT: Oconee 2  
DATED: November 18, 1980

R1

Licensee: Duke Power Company

Type Reactor: Babcock and Wilcox PWR

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Engineering Support Section  
Reactor Construction and Engineering  
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*C.P.A. 11-18-80*  
R1 Reflects Duke Power Company's  
11/1/80, Revision 5 Submittal.

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Attachment 2	List of Standard Systems
Attachment 3	List of Documents That Support Environmental Qualification of Licensee's Equipment
Attachment 4	Outstanding Items (Licensee Identified)

## 1. INTRODUCTION

### 1.1 General

The NRC Office of Inspection and Enforcement (I/E) issued Bulletin 79-01B, "Environmental Qualification of Class 1E Equipment" in January 1980. This bulletin required the licensee to perform a detailed evaluation of the environmental qualification on Class 1E electrical equipment required to function under postulated accident conditions and to submit a report on this action.

This document is a report on the evaluation of the licensee's response to this bulletin.

## 2. BACKGROUND AND DISCUSSION

### 2.1. General

The evaluation of the licensee's response was accomplished by performing an on-site inspection of selected class 1E equipment and by examining the licensee's report for completeness and technical accuracy. The licensee's reports used in this evaluation are dated November 1, 1980, and therefore, does not include the response to the bulletin supplement No. 3 which was issued on 10/24/80.

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## 2.2 On-Site Inspections

The on-site inspection, made on selected LE equipment, verified proper installation of equipment, overall interface integrity, location with respect to flood level for equipment inside the containment, and manufacturers nameplate data. The manufacturer and model number from the nameplate data was compared to information given in the Component Evaluation Work Sheets (CES) of the licensee's report.

Components that were examined during the field inspection are identified by an asterisk (\*) in Attachment 1. If any discrepancies were noted between the installed equipment and the correspondent equipment addressed in the licensee's report, they are discussed in Section 4 of this report. The site inspection is documented by report number 50-270/80-07 of April 4, 1980.

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## 2.3 Evaluation of Licensee's Report

Each component as addressed on the Component Evaluation Work Sheets (CES) of the licensee's report was examined for completeness and accuracy to the criteria given in the bulletin. This examination assumed qualification documents (analysis, test reports, etc.) referenced by the licensee in their submittal are acceptable.

The results of this examination are documented in Attachment 1. The CES page numbers in column 1 of Attachment 1 is the same CES page found in the licensee's report.



### 3. GENERAL INFORMATION

#### 3.1 Identification Of Class 1E Electrical Equipment

The licensee's list of systems was compared to the systems listed on Attachment 2. This list is considered to be a standard list for Babcock and Wilcox, NSSS, PWR reactors.

It is recognized that there are differences in nomenclature of systems because of plant vintage and engineering design, therefore, many of these systems may not exist for Oconee 2 plant or the function of these systems for the Oconee 2 plant may be performed by comparable systems with different names. In any case, all the systems of Attachment 2 were not addressed or listed in the licensee's report. To insure completeness and uniformity of reports of similar design, the licensee has informed RII that Revision 6 to the report, which will be filed subsequent to Revision 5 (November 1, 1980), will address this matter.

#### 3.2 Service Conditions

The service condition accident environment, HELB/LOCA inside containment and HELB outside containment are indicated or discussed in the licensee's report and are based on the FSAR accident analysis.

### 3.3 Qualification Documentation

Attachment 3 is list of documents (test reports, analysis, letters, etc.) used by the licensee in determining the environmental qualification of plant equipment for Oconee 2. These references have been tabulated and are indicated on the applicable CES of their report.

## 4. EQUIPMENT DATA REVIEW

4.1 Equipment that is considered to meet IEB 79-01B requirements are categorized as 1 in the last column of Attachment 1.

4.2 Equipment whose qualified life (Aging) is less than the life of the plant is categorized as 2 in the last column of Attachment 1.

4.3 The licensee has identified specific equipment which has been or is being replaced, modified or relocated as a result of their IEB 79-01B efforts. This equipment is categorized as 3 in the last column of Attachment 1.

4.4. Equipment whose qualification is unresolved (such as, a qualification record search is still in process, tests are scheduled to determine qualification, additional information is needed by the NRC reviewer to satisfy him that equipment is qualified, etc.) is categorized as 4 in the last column of Attachment 1.

- 4.5 Equipment that the licensee has identified as not being qualified required an LER with justification for continued plant operation.

No LER's were received in Region II.

- 4.6 Equipment whose qualification (Aging exempted to a certain degree - see DOR guideline Section 4) is unresolved, as identified by the licensee is listed in Attachment 4 as Outstanding Items.

The licensee has provided justification for continued plant operation for many, if not all, of these outstanding items in their report. In many cases, this is provided on their CES or in a special section of the report. In some cases the licensee states that this justification is by Engineering Analysis that are available at their office.

- 4.7 On-site inspection data agrees with the licensee's CES information.

Asterisked items in Attachment 1 are components examined during the on-site inspection.

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## 5. CONCLUSIONS

Due to the time constraints imposed by the Commission Memo and Order of 5/23/80 this evaluation is based on the licensee submittal dated November 1, 1980. This licensee's report does not address all items that may be pertinent to Oconee 2 plant as a result of bulletin supplements 2 and 3 issued on 9/30/80 and 10/24/80 respectively. Specifically information on cold shutdown and TMI Lesson Learned related equipment which is received subsequent to 11/1/80 will be evaluated by the EQB of NRR.

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The licensee's actions meet the requirements of the Commission Memo and Order of 5/23/80 and justification for continued plant operation with

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many of the components that have unresolved qualification items is indicated in Section 4.6. Based on the information available, the Region II reviewer considers that the justification is commensurate for the areas identified, that the proposed corrective action meets requirements of the Commission Memo and Order of 5/23/80 and, therefore, plant operation can continue until these items are resolved as committed to by the licensee.

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This evaluation is based on the on-site inspections, the information supplied by the licensee in their submittal, telephone conversations with the licensee's representatives, their FSAR, and the assumption that the Qualification Documents (Test Reports, Analysis, Letter, etc.) are acceptable.

The results of this evaluation does not necessarily imply that the equipment is unreliable, unsafe or represents a significant safety issue; it does imply that additional information is required. This is indicated by the applicable categorization indicated in the last column of Attachment 1.

ATTACHMENT 2  
FUNCTIONS/SYSTEMS LIST

(W) PWR  
Needed For Mitigation Of Consequences  
Of LOCA Or MSLB

1. Reactor Protection
2. Safeguards Actuation
3. Containment Isolation
4. Main and Auxiliary Steam Isolation
5. Main and Auxiliary Feedwater Isolation
6. Feedwater Control
7. Containment Spray
8. Containment Air Purification/Cleanup
9. Containment Ventilation/Cooling
10. Containment Combustible Gas Control
11. High Pressure Injection
12. Low Pressure Injection
13. Accumulators
14. Residual Heat Removal
15. Chemical and Volume Control
16. Pressurizer Spray
17. Power Operated Relief Valves
18. Steam Dump
19. Containment Radiation/Monitoring
20. Containment Radiation/Sampling
21. Component Cooling Water
22. Service Water
23. Emergency Power
24. Containment Sump
25. Control Room Habitability
26. Safety Equipment Area Ventilation
27. Auxiliary Feedwater
28. Reactor Coolant

OCONEE 2  
CASS

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Contaminant		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1	2EX543	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
2	2EX543A	CBL	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
3	2EX543B	CBL	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
4	2EX546	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
5	2EX546A	CBL	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
6	2EX545	CBL	✓	✓	—	✓	4b	—	—	✓	—	—	R	4b
7	2EX545A	CBL	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
8	2EX54302	CBL	✓	✓	—	✓	✓	✓	—	—	—	—	—	1
9	2EX54302	CBL	✓	✓	—	✓	✓	✓	—	—	—	—	—	1
10	2EMC849	CBL	✓	4a	—	✓	✓	—	—	—	—	—	L	4a
11	2EMC850	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	1
12	12146.6	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	1
13	2EMC851	CBL	✓	4a	—	✓	✓	—	—	—	—	—	L	4a

## Code:

- B = Indicates the item is below the flood level
- ✓ or S = Indicates the item is Satisfactory
- or N = Indicates the item is Not Applicable
- UL = Indicates the item is Unresolved, Licensee identified
- P = Proprietary
- L = Licensee identified
- R = Reviewer identified
- 1 = Equipment is qualified
- 2 = Aging is less than life of plant with licensee indicating periodic replacement

- 3 = Equipment requires modification (resolution, shielding, etc.)
- 4 = Qualification of equipment unresolved
  - a) Testing schedule but not complete
  - b) Reviewer needs additional information
  - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

REVIEWER

V. Brounle

DATE

11/23/80

Sag Test

Sag Test

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Sag Test



CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
14	2EMC852	CBL	✓	✓	✓	✓	✓	—	—	—	—	—	—	1
15	12146.6	CBL	—	4b	—	✓	✓	—	—	—	—	—	—	4b
16	2EMC852	CBL	✓	4a	—	✓	✓	—	—	—	—	—	L	4a
17	2EMC854	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	1
18	12146.6	CBL	✓	4b	—	✓	✓	—	—	—	—	—	—	4b
19	WD6	EPA	✓	✓	✓	—	4b	—	—	—	—	—	R	4b
20	WD7	EPA	✓	✓	✓	—	4b	—	—	—	—	—	R	4b
21	WD10	EPA	✓	✓	✓	—	4b	—	—	—	—	—	R	4b
22	2SV36	SV	—	—	—	—	—	—	—	—	yes	—	L	3
23	2SV38	SV	—	—	—	—	—	—	—	—	yes	—	L	3
24	2SV37	SV	—	—	—	—	—	—	—	—	yes	—	L	3
25	TB1126	TB	✓	4a	—	✓	✓	—	—	—	—	—	L	4a
26	TB1127	TB	✓	4a	—	✓	✓	—	—	—	—	—	L	4a

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FAULTED OCONEE 2  
SYSTEM CCS

ATTACHMENT 1  
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PAGE 1 OF 1

CLS. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1	2EXS 36	CBL	✓	✓	—	✓	4f	—	—	—	—	—	R	4f
2	2EMC 439	CBL	✓	✓	—	✓	4f	—	—	—	—	—	R	4f
3	2EXS 36A	CBL	✓	✓	✓	—	4f	✓	—	—	—	—	R	4f
4	2EMC 434	CBL	✓	4a	—	✓	✓	—	—	—	—	—	L	4a
5	2EM 435	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	1
6	2EM 436	CBL	✓	4f	—	✓	✓	—	—	—	—	—	—	4f
7	2EM 437	CBL	✓	4f	—	✓	✓	—	—	—	—	—	—	4f
8	2EM 438	CBL	✓	4f	—	✓	✓	—	—	—	—	—	—	4f
9	WD7	EPA	✓	✓	✓	—	4f	—	—	—	—	—	—	1
10	2SV16	SV	—	—	—	—	—	—	—	—	yes	—	L	3
11	TB1190	TB	✓	4a	—	✓	✓	—	—	—	—	—	L	4a
12	TB1190	XZORB	✓	34c	—	34c	34c	—	—	—	—	—	L	4c
13	2CC7	MOV	✓	✓	✓	—	4f	✓	—	—	—	—	R	4f

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REVIEWER VL Brown DATE 10/23/80

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SYSTEM CSPT

ATTACHMENT 1  
FOR IEB 79-018  
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PAGE 1 OF 3

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1 ✓	2EXS28	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
2 ✓	2EXD 497	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
3 ✓	2EXS28A	CBL	✓	✓	✓	—	4b	✓	—	4b	—	—	R	4b
4 ✓	2EXS26	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
5 ✓	2EXD 463	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
6 ✓	2EXD 230A	CBL	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
7 ✓	2EXD 140	CBL	✓	✓	—	✓	✓	—	—	—	—	—	R	4b
8 ✓	2EXD 140A	CBL	✓	4b	—	✓	✓	—	—	—	—	—	—	4b
9 ✓	2EXD 140B	CBL	✓	4b	—	✓	✓	—	—	—	—	—	—	4b
10 ✓	2EXD 140C	CBL	✓	4b	—	✓	✓	—	—	—	—	—	—	4b
11 ✓	2EXD 141	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	1
12 ✓	2EXD 138	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	1
13 ✓	2EXD 123A	CBL	✓	4b	—	✓	✓	—	—	—	—	—	—	4b

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PAGE 2 OF 2

CLS. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
14	26ND 138	CBL	✓	4b	—	✓	✓	—	—	—	—	—	—	4b
15	26ND 138C	CBL	✓	4b	—	✓	✓	—	—	—	—	—	—	4b
16	26ND 139	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	1
17	ED10	EPA	✓	✓	✓	—	4b	—	—	—	—	—	—	4b
18	WD8	EPA	✓	✓	✓	—	4b	—	—	—	—	—	—	4b
19	2SV5	SV	—	—	—	—	—	—	—	—	yes	—	L	3
20	2SV3	SV	—	—	—	—	—	—	—	—	yes	—	L	3
21	1B1133	TB	✓	4a	—	✓	✓	—	—	—	—	—	L	4a
22	1B1134	TB	✓	4a	—	✓	✓	—	—	—	—	—	L	4a
23	1B1133	XZORC	✓	34C	—	34C	34C	—	—	—	yes	—	L	4C
24	1B1134	XZORC	✓	34C	—	34C	34C	—	—	—	yes	—	L	4C
25	26ND 12	MOV	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
26	2C55	MOV	✓	✓	✓	—	4b	✓	—	4b	—	—	R	4b

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FACILITY OCONEE 2SYSTEM ESATTACHMENT 1  
FOR IER 79-018  
TFRPAGE 1 OF 3

CIS. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Item Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1	2EM419A	CBL	✓	4a	✓	—	4b	4a	—	—	—	—	R, L	4a, 4b
2	2EM419	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
3	2EM450A	CBL	✓	4a	✓	—	4b	4a	—	—	—	—	L	4a, 4b
4	2EM450	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
5	2EM451A	CBL	✓	4a	✓	—	4a	4a	—	—	—	—	L	4a
6	2EM451	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
7	2EM407	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
8	2EM410	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
9	2EM413	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
10	2EM400	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
11	2EM406	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
12	2EM405	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
13	2EM409	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b

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✓ or S - Indicates the item is Satisfactory

- or N - Indicates the item is Not Applicable

UL - Indicates the item is Unresolved, Licensee Identified

P - Proprietary

L - Licensee Identified

R - Reviewer Identified

1 - Equipment is qualified

2 - Aging is less than life of plant with licensee

indicating periodic replacement

3 - Equipment requires modification (resolution, shielding, etc.)

4 - Qualification of equipment unresolved

a) Testing schedule but not complete

b) Reviewer needs additional information

c) Qual. Record search still in process

5 - Equipment not qualified

6 - Item identified to EQB for resolution

REVIEWER

V.B. Smith

12/2/80

Facility OCONEE 2  
System ES

ATTACHMENT 1  
FOR IEB 79-01B  
TER

PAGE 2 OF 3

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
14	2EMC 408	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
15	2EMC 412	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
16	2EMC 411	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
17	EA13	EPA	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
18	EC4	FPA	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
19	WA1	EPA	✓	✓	✓	—	4b	—	—	—	—	—	R	4b
20	2PS18	PS	✓	4b	—	✓	4C	—	—	—	—	—	R, L	4b, 4C
21	2PS19	PS	✓	4b	—	✓	4C	—	—	—	—	—	R, L	4b, 4C
22	2PS20	PS	✓	4b	—	✓	4C	—	—	—	—	—	R, L	4b, 4C
23	2PS21	PS	✓	4b	—	✓	4C	—	—	—	—	—	R, L	4b, 4C
24	2PS22	PS	✓	4b	—	✓	4C	—	—	—	—	—	R, L	4b, 4C
25	2PS23	PS	✓	4b	—	✓	4C	—	—	—	—	—	R, L	4b, 4C
26	2PS65	PS	✓	4b	—	✓	4C	—	—	—	—	—	R, L	4b, 4C

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REVIEWER VLBrown DATE 10/23/80

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ATTACHMENT 1  
FOR IEB 79-018  
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PAGE 3 OF 3

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Contaminant		Qual. Method	Chem. Spray	Accur.	Subs.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
27	2PS65	PS	✓	415	-	✓	4C	-	-	-	-	-	R, L	46, 4C
28	2PS67	PS	✓	416	-	✓	4C	-	-	-	-	-	R, L	46, 4C
29	2PS68	PS	✓	416	-	✓	4C	-	-	-	-	-	R, L	46, 4C
30	2PT21P	PT	✓	46, 4C	✓	-	46	-	✓	-	-	-	R, L	46, 4C
31	2PT22P	PT	✓	46, 4C	✓	-	46	-	✓	-	-	-	R, L	46, 4C
32	2PT23P	PT	✓	46, 4C	✓	-	46	-	✓	-	-	-	R, L	46, 4C
33	2PT4P	PT			-	✓		-		-	yes-	-	L	3
34	2PT5P	PT			-	✓		-		-	yes	-	L	3
35	2PT6P	PT			-	✓		-		-	yes	-	L	3
36	2PT7P	PT			-	✓		-		-	yes	-	L	3

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REVIEWER W. Brown DATE 10/1/80



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PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. (Containment)		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1 ✓	2EXS 49	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
2 ✓	2EXS 50	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
3 ✓	2EM 110	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
4 ✓	2EM 110A	CBL	✓	✓	✓	—	4b	—	—	✓	—	—	R	4b
5 ✓	2EM 110B	CBL	✓	✓	✓	—	4b	—	—	✓	—	—	R	4b
6 ✓	2EM 112	CBL	✓	4a	—	✓	4a	—	—	—	—	—	L	4a
7 ✓	2EM 112A	CBL	✓	✓	✓	—	4b	—	—	✓	—	—	R	4b
8 ✓	2EM 112B	CBL	✓	✓	✓	—	4b	—	—	✓	—	—	R	4b
9 ✓	2LT80	LT	✓	4C	✓	—	4C	4C	—	4C	—	—	L	4C
10 ✓	2LT81	LT	✓	4C	✓	—	4C	4C	—	4C	—	—	L	4C
11 ✓	2LT82	LT	✓	4C	✓	—	4C	4C	—	4C	—	—	L	4C
12 ✓	2LT83	LT	✓	4C	✓	—	4C	4C	—	4C	—	—	L	4C
13 ✓	WA1	EPA	✓	✓	✓	—	4b	—	—	—	—	—	R	4b

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REVIEWER W.B. Brumfield DATE 10/2/80

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CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1	2EXS24	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
2	2EXS63	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
3	2ETC8	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
4	2ETC9	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
5	2ETD9	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
6	2EXS21	CBL	✓	✓	✓	✓	✓	—	—	—	—	—	—	4K1
* 7	2EXS21A	CBL	✓	✓	✓	—	✓	✓	—	✓	—	—	—	4K1
* 8	2EXS21B	CBL	✓	✓	✓	—	✓	✓	—	✓	—	—	—	4K1
9	2EMC872	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
10	2EMC873	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
11	2EMC975	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
12	2EMC976	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1
13	2EMC977	CBL	✓	✓	—	✓	✓	—	—	—	—	—	—	4K1

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CES. Page No.	Equip. I. D.	Generic Name	Accfd. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
14 ✓	2EMC 978	CBL	✓	4b	-	✓	4b	-	-	-	-	-	P	4b
15 ✓	2EXS 23	CBL	✓	✓	-	✓	4b	-	-	-	-	-	R	4b
* 16 ✓	2EXS 3A	CBL	✓	✓	✓	-	4b	✓	-	-	-	-	R	4b
17 ✓	2EMC 294	CBL	✓	✓	-	✓	4b	-	-	-	-	-	R	4b
18 ✓	2EMC 295	CBL	✓	✓	-	✓	4b	-	-	-	-	-	R	4b
19 ✓	2EMC 971	CBL	✓	4b	-	✓	4b	-	-	-	-	-	R	4b
20 ✓	2EMC 972	CBL	✓	4b	-	✓	4b	-	-	-	-	-	R	4b
21 ✓	2EMC 973	CBL	✓	4b	-	✓	4b	-	-	-	-	-	R	4b
22 ✓	2EMC 974	CBL	✓	4b	-	✓	4b	-	-	-	-	-	R	4b
23 ✓	2EXS 35	CBL	✓	✓	-	✓	4b	-	-	-	-	-	R	4b
24 ✓	2EXS 303	CBL	✓	✓	-	✓	4b	-	-	-	-	-	R	4b
25 ✓	2EXS 304	CBL	✓	✓	-	✓	4b	-	-	-	-	-	R	4b
26 ✓	2EXS 304	CBL	✓	✓	-	✓	4b	-	-	-	-	-	R	4b

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CLS. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
27	2EX5000	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
28	2EX510A	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
29	2EX510B	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
30	2EX5250	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
31	ED11	EPA	✓	✓	✓	—	4b	—	—	—	—	—	R	4b
32	WAS	EPA	✓	✓	✓	—	4b	—	—	—	—	—	R	4b
33	2A	MTR	✓	✓	—	✓	4b	—	—	—	—	—	R	4b1
34	2C	MTR	✓	✓	—	✓	4b	—	—	—	—	—	R	4b1
35	2B	MTR	✓	✓	—	✓	4b	—	—	—	—	—	R	4b1
36	2SV90	SV									yes		L	3
37	2SV95	SV									yes		L	3
38	1B1177	TB	✓	4a	—	✓	4a	—	—	—	—	—	L	4a
39	1B1178	TB	✓	4a	—	✓	4a	—	—	—	—	—	L	4a

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CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Contamination		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
40	IB1177	X20RB	✓	34c	—	✓	34c	—	—	—	—	—	L	34c
41	IB1178	X20RB	✓	34c	—	✓	34c	—	—	—	—	—	L	34c
42	2HP3	MOV	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
43	2HP4	MOV	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
44	2HP20	MOV	✓	✓	✓	—	4b	✓	—	—	—	—	R	4b
45	2HP24	MOV	✓	✓	—	✓	4c4b	—	—	—	—	—	R	4b
46	2HP26	MOV	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
47	2HP25	MOV	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
48	2HP27	MOV	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
49	2HP409	MOV	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
50	2HP410	MOV	✓	✓	—	✓	4b	—	—	—	—	—	R	4b

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REVIEWER

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PAGE 1 OF 5

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items	
					Inside	Outside					Replace	Relocate			
1 ✓	2EXS13	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
2 ✓	2EXS1304	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
3 ✓	2EXS62	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
4 ✓	2EXS6204	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
5 ✓	2EXS12	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
6 ✓	2EXS12A	CBL	✓	✓	✓	—	46	—	—	—	—	—	R	46	Seg
7 ✓	2EXS18	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
8 ✓	2EXS18A	CBL	✓	✓	✓	—	46	—	—	—	—	—	R	46	Seg
9 ✓	2EXS30	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
10 ✓	2EXS302	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg
11 ✓	2EXS65	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	1 46	Seg 1 R1
12 ✓	2EXS6503	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	1 46	Seg 1 R1
13 ✓	2EXS30	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	1 46	Seg 1 R1

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 PAGE 2 OF 5

CES Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Containment		Qual. Method	Chem. Spray	Acc. Ir.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Relace	Relocate		
14 ✓	2EXS5003	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461
15 ✓	2EXS500A	CBL			5	—				—	yes		L	3
10 ✓	2EXS5003A	CBL			5	—					yes		L	3
17 ✓	2EXS54	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461
18 ✓	2EXS5401	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461
19 ✓	2EXS5403	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461
20 ✓	2EXS540A	CBL			5	—					yes		L	3
21 ✓	2EXS5403A	CBL			5	—					yes		L	3
22 ✓	2EXS5401A	CBL	✓	✓	✓	—	46	—	—	—	—	—	R	46
23 ✓	2ETC9	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461
24 ✓	2ETD10	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461
25 ✓	2ETU	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461
26 ✓	2X027	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	461

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 REVIEWER W. B. B. B. DATE 10/27/80

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FOR IED 79-018  
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PAGE 3 OF 5

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replce	Relocate		
27	2XS92	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	44, Seg 1 R1
28	2XS83	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
29	2XL15	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
30	2XN14	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
31	2XN16	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
32	2XN19	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
33	2XN1901	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
34	2XN17	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
35	2XN1701	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
36	2XN20	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
37	2XN21	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
38	2XL12	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	144 Seg 1 R1
39	ED9	EPA	✓	✓	✓	—	44	—	—	—	—	—	R	44 Seg

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CES Page No.	Equip. I. D. #	Generic Desc	Accell. Profile	Qual. Profile	Radiation Contaminant		Qual. Method	Chem. Spray	Accur.	Subst.	License Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
40	EC12	EPA	✓	✓	✓	—	46	—	—	—	—	—	R	46
41	EDD	EPA	✓	✓	✓	—	46	—	—	—	—	—	R	46
42	2A	MTR	✓	✓	—	✓	46	—	—	—	—	—	+	144 RI
43	2B	MTR	✓	✓	—	✓	46	—	—	—	—	—	+	144 RI
44	2C	MTR	✓	✓	—	✓	46	—	—	—	—	—	+	144 RI
45	2P17	MOV	✓	4C	—	4C	4C	—	—	—	—	—	L	4C
46	2P18	MOV	✓	4C	—	4C	4C	—	—	—	—	—	L	4C
47	2P21	MOV	✓	✓	—	✓	46	—	—	—	—	—	—	46
48	2P22	MOV	✓	✓	—	✓	46	—	—	—	—	—	—	46
49	2P103	MOV	✓	✓	✓	—	46	✓	—	—	—	—	R	46
50	2P104	MOV	✓	✓	✓	—	46	✓	—	—	—	—	R	46
51	2P1	MOV	✓	✓	✓	—	46	✓	—	—	—	—	R	46
52	2P2	MOV	✓	✓	✓	—	46	✓	—	—	—	—	R	46

See  
See  
See 1 RI  
See 1 RI  
See 1 RI  
RI  
Type 200 4C  
Type 200 4C  
Type 200  
Type 200  
Type 200  
Type 200

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R - Reviewer identified

1 - Equipment is qualified

2 - Aging is less than life of plant with licensee indicating periodic replacement

3 - Equipment requires modification (resolution, shielding, etc.)

4 - Qualification of equipment unresolved

a) Testing schedule but not complete

b) Reviewer needs additional information

c) Qual. Record search still in process

5 - Equipment not qualified

6 - Item identified to EPB for resolution

REVIEWER

DATE

W/27/80

FACILITY DCM 2  
SYSTEM LPI

ATTACHMENT I  
FOR IEB 79-01B  
TER

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items	
					Inside	Outside					Replace	Relocate			
53	2LP3	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
54	2LP5	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
55	2LP8	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
56	2LP12	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
57	2LP14	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
58	2LP15	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
59	2LP16	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
60	2LP19	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1
61	2LP20	MOV	✓	✓	—	4C	4C	—	—	—	—	—	R, L	4C, 4C	1 R1

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REVIEWER V. Brumley DATE 10/27/80



FACILITY

Oconee 2

SYSTEM

LP5W

ATTACHMENT 1  
FOR IEB 79-01B  
TER

PAGE

OF

2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items	
					Inside	Outside					Replace	Relocate			
1 ✓	2EX531	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	Seg 1 R1
2 ✓	2EX532	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	Seg 1 R1
3 ✓	2EX573	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	146	Seg 1 R1
4 ✓	2EX574	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	146	Seg 1 R1
5 ✓	2EX591	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	146	Seg 1 R1
6 ✓	2EX590	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	146	Seg 1 R1
7 ✓	2EX598	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	Seg 1 R1
8 ✓	2X028	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	Seg 1 R1
9 ✓	2X029	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg 1 R1
10 ✓	2XP25	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	Seg 1 R1
11 ✓	2LPSW4	MOV	✓	✓	—	✓	46	—	—	—	—	—	R	146	Seg 1 R1
12 ✓	2LPSW18	MOV	✓	✓	—	✓	46	—	—	—	—	—	R	146	Seg 1 R1
13 ✓	2LPSW5	MOV	✓	✓	—	✓	46	—	—	—	—	—	R	146	Seg 1 R1

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REVIEWER

V. L. Brown, Jr. DATE 10/27/80

SYSTEM

LPCW

ATTACHMENT 1  
FOR IEB 79-018  
TER

PAGE 2 OF 4

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REVIEWER W. B. Bruns, Jr. DATE 10/27/80

FACILITY

Ozone 2

SYSTEM

LWDS

ATTACHMENT 1  
FOR IEB 79-01B  
TER

PAGE

OF

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items	
					Inside	Outside					Replace	Relocate			
1 <sup>✓</sup>	2FWS 27	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	See 1 R1
2 <sup>✓</sup>	2FWD 143	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	See 1 R1
3 <sup>✓</sup>	2FWD 144	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	See 1 R1
4 <sup>✓</sup>	2FWD 146	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	See 1 R1
5 <sup>✓</sup>	2FWD 143A	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46-1	See 1 R1
6 <sup>✓</sup>	2FWD 143B	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46	
7 <sup>✓</sup>	2FWD 143C	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46-1	1 R1
8 <sup>✓</sup>	2FWD 146A	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46-1	1 R1
9 <sup>✓</sup>	1B1135	TR	✓	4a	—	✓	4a, 46	—	—	—	—	—	L, R	4a, 46	R1
10 <sup>✓</sup>	2LWD-1	MUV	✓	✓	—	46	46	—	—	—	—	—	R, L	46, 46	1 R1

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REVIEWER

V. Brundage

DATE

9/27/80



FACILITY

Oconee 2

SYSTEM

MS

ATTACHMENT 1  
FOR IEB 79-01B  
TER

PAGE

OF

2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1	21531B	CBL	✓	4a	✓	—	4b	—	—	—		—	L, R	4a, 4b
2	21531A	CBL	✓	4a	—	4a	4a	—	—	—		—	L	4a
3	21555B	CBL	✓	4a	✓	—	4b	—	—	—		—	L, R	4a, 4b
4	21555A	CBL	✓	4a	✓	4a	4a	—	—	—		—	L	4a
5	21554B	CBL	✓	4a	✓	—	4b	—	—	—		—	L, R	4a, 4b
6	21554A	CBL	✓	4a	—	4a	4a	—	—	—		—	L	4a
7	21544B	CBL	✓	4a	✓	—	4b	—	—	—		—	L, R	4a, 4b
8	21544A	CBL	✓	4a	—	4a	4a	—	—	—		—	L	4a
9	EA7	EPA	✓	4b	✓	—	4b	—	—	—	—	—	R	4b
10	WAS	EPA	✓	4b	✓	—	4b	—	—	—	—	—	R	4b
11	2PT24P	PT	✓	38	38	—	53				yes		L	3
12	2PT25P	PT		53	53	—	53				yes		L	3
13	2PT26P	PT		38	53	—	53				yes		L	3

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REVIEWER

V. Brunker

DATE

10/27/00

24th vs 1st  
5-6

R1

R1

R1

[illegible]

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REVIEWER W. Brown DATE 10/27/80

FACILITY: DCancel 2  
SYSTEM: RBCU

ATTACHMENT 1  
FOR IEB 79-018  
TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subs.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1 ✓	2EXS1	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
2 ✓	2EXS1B	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
3 ✓	2EXS1A	CBL	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b
4 ✓	2EXS1C	CBL	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b
5 ✓	2EXS8S	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
6 ✓	2EXS8B	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
7 ✓	2EXS8SA	CBL	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b
8 ✓	2EXS8SC	CBL	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b
9 ✓	2EXS47	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
10 ✓	2EXS47B	CBL	✓	✓	—	✓	4b	—	—	—	—	—	R	4b
11 ✓	2EXS47A	CBL	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b
12 ✓	2EXS47C	CBL	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b
13 ✓	RBCU 2A	MTR	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b

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REVIEWER JA Brown DATE 1/21/80

SYSTEM

O'Connell 2

RBCW

ATTACHMENT I  
FOR LEB 79-018  
TER

PAGE 2 QF 2

[illegible]

R1  
R1  
R1

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REVIEWER

DAT

DATE 10/27/80

FACILITY Oconee 2  
SYSTEM RBS

ATTACHMENT 1  
FOR IEB 79-018  
TER

PAGE 1 OF 1

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items		
					Inside	Outside					Replace	Relocate				
1	20531	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
2	20531	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
3	20532	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
4	20510	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
5	20511	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
6	20538	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
7	20566	CBL	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
8	2A	MTR	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
9	2B	MTR	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
10	2051	MOV	✓	✓	—	✓	44	—	—	—	—	—	R	146	1	R1
11	2053	MOV	✓	44	—	✓	44	—	—	—	—	—	L-R	46, 46	1	R1
12	2054	MOV	✓	44	—	—	44	—	—	—	—	—	L-R	46, 46	1	R1

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REVIEWER V. Brumley DATE 10/22/80



FACILITY Ocean 2  
SYSTEM PBV

ATTACHMENT 1  
FOR IEB 79-Q1B  
TER

PAGE 1 OF 6

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1 ✓	2EX54	CBL	✓	✓	—	✓	4/1	—	—	—	—	—	R	4/1
2 ✓	2EX54F	CBL	✓	4/3	3/19	—	4/1	✓	—	✓	—	—	4, R	3/19, 4/1
3 ✓	2EX57	CBL	✓	✓	—	✓	4/1	—	—	—	—	—	R	4/1
4 ✓	2EX5102	CBL	✓	✓	—	✓	4/1	—	—	—	—	—	R	4/1
5 ✓	2EX5103	CBL	✓	✓	—	✓	4/1	—	—	—	—	—	R	4/1
6 ✓	2EX5A	CBL			3	—					yes		L	3
7 ✓	2EX503A	CBL	✓	✓	✓	—	4/1	✓	—	✓	—	—	R	4/1
8 ✓	2EX59	CBL	✓	✓	—	✓	4/1	—	—	—	—	—	R	4/1
9 ✓	2EX5102S	CBL	✓	✓	—	✓	4/1	—	—	—	—	—	R	4/1
10 ✓	2EX51A	CBL	✓	✓	✓	—	4/1	✓	—	✓	—	—	R	4/1
11 ✓	2EX512	CBL	✓	✓	✓	—	4/1	✓	—	✓	—	—	R	4/1
12 ✓	2EX5103	CBL	✓	✓	—	✓	4/1	—	—	—	—	—	R	4/1
13 ✓	2EX5103A	CBL	✓	✓	✓	—	4/1	✓	—	✓	—	—	R	4/1

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REVIEWER

VUBir DATE 10/21/80

FACILITY: Oconee 2SYSTEM: RBVATTACHMENT 1  
FOR IEB 79-01B  
TERPAGE 2 OF 6

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items		
					Inside	Outside					Replace	Relocate				
14	2EMC 604	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	1	R1
15	2EMC 604A	CBL	✓	—	—	✓	46	—	—	—	—	—	R	46	1	R1
16	2EMC 604B	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46	1	R1
17	2EMC 605	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	1	R1
18	2EMC 605A	CBL	✓	46	—	✓	46	—	—	5	—	—	R	46	1	R1
19	2EMC 606	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46	1	R1
20	2EMC 606A	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46	1	R1
21	2EMC 606B	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46	1	R1
22	2EMC 607	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46	1	R1
23	2EMC 607A	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46	1	R1
24	2EMC 608	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46		R1
25	2EMC 609	CBL	✓	✓	—	✓	46	—	—	—	—	—	R	46		R1
26/24	2EMC 610	CBL	✓	46	—	✓	46	—	—	—	—	—	R	46	1	R1

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REVIEWER: W. BrownDATE: 11/7/80

FACILITY OComee 2  
SYSTEM RBV

ATTACHMENT 1  
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CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
R1 2725	DEMC 100A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
2826	DEMC 100B	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
2927	DEMC 101	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3028	DEMC 101A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3129	DEMC 100	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3230	DEMC 100A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3331	DEMC 100B	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3432	DEMC 101	CBL	✓	IX	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3533	DEMC 101A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3634	DEMC 101B	CBL	✓	IX	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3735	DEMC 101C	CBL	✓	IX	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3836	DEMC 102	CBL	✓	IX	-	✓	46	-	-	-	-	-	R	46 1 1 RI
3937	DEMC 102A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46 1 1 RI

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REVIEWER VL Brown DATE 10/27/80

FACILITY DGEMER 2  
SYSTEM RBU

ATTACHMENT 1  
FOR IEB 79-01B  
TER

PAGE 4 OF 6

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items		
					Inside	Outside					Replace	Relocate				
4038	2EMC 1002B	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4139	2EMC 1003	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4042	2EMC 1003A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4143	2EXS37	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4244	2EXS 22	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4345	2EXS 10	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4446	2EMC 1008A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4547	2EXS 60	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4648	2EMC 1008B	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4749	2EMC 1009A	CBL	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4850	2A	MTR	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
4951	2B	MTR	✓	46	-	✓	46	-	-	-	-	-	R	46	1	RI
5052	WD7	EPA	✓	✓	✓	-	46	-	-	-	-	-	R	46	1	RI

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REVIEWER

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CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
5351	ED11	EPA	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b
5452	2PS60	PS	✓	4c	—	4c	4c	—	—	—	—	—	L	4c
5553	2PS61	PS	✓	4c	—	4c	4c	—	—	—	—	—	L	4c
5654	2SV31	SV			—	3	3				yes		L	3
5755	2SV32	SV									yes		L	3
5856	2SV34	SV									yes		L	3
5957	2SV75	SV									yes		L	3
6058	2SV76	SV									yes		L	3
6159	TB1195	TB	✓	4a	—	4a	4a	—	—	—			L	4a
6260	TB1196	TB	✓	4a	—	4a	4a	—	—	—			L	4a
6361	TB1199	TB	✓	4a	—	4a	4a	—	—	—			L	4a
6462	TB1200	TB	✓	4a	—	4a	4a	—	—	—			L	4a
6563	TB1201	TB	✓	4a	—	4a	4a	—	—	—			L	4a

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REVIEWER

V. Brown

DATE

10/22/80

R1



FACILITY

SYSTEM

O'Connell 2

RBV

ATTACHMENT 1  
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CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
6663	TB1202	TB	✓	4a	-	4a	4a	-	-	-			L	4a
6664	TB1195	XZORB	✓	4b	-	4c	4c	-	-	-			L	4c
6568	TB1196	XZORB	✓	4c	-	4c	4c	-	-	-			L	4c
6669	TB1199	XZORB	✓	4c	-	4c	4c	-	-	-			L	4c
6720	TB1200	XZORB	✓	4c	-	4c	4c	-	-	-			L	4c
6671	TB1201	XZORB	✓	4c	-	4c	4c	-	-	-			X	4c
7268	TB1202	XZORB	✓	4c	-	4c	4c	-	-	-			L	4c
7369	JPR1	MOV	✓	✓	✓	-	4b	✓	-	✓	-	-	R	4b
7470	JPR6	MOV	✓	✓	✓	-	4b	✓	-	✓	-	-	R	4b
7571	JPR7	MOV	✓	✓	✓	-	4b	✓	-	✓	-	-	R	4b
7672	JPR9	MOV	✓	✓	✓	-	4b	✓	-	✓	-	-	R	4b
7773	JOS2	MOV	✓	✓	-	✓	4b	✓	-	-	-	-	R	4b

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REVIEWER

J. C. Browder

DATE

10/27/80

R1

FACILITY Scene 2  
 SYSTEM RC

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CLS. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1	21579A	CBL	✓	4A	4A	—	4B	✓	—	✓	—	—	L, R	4A, 4B
2	21579	CBL	✓	-X	—	✓	<del>4B</del>	—	—	—	—	—	A	14B
3	21584A	CBL	✓	4A	4A	✓	4B	✓	—	✓	—	—	L, R	4A, 4B
4	21584	CBL	✓	-X	—	✓	<del>4B</del>	—	—	—	—	—	R	14B
5	21580A	CBL	✓	4A	4A	✓	4B	✓	—	✓	—	—	L, R	4A, 4B
6	21580	CBL	✓	-X	—	✓	<del>4B</del>	—	—	—	—	—	R	14B
7	21585A	CBL	✓	4A	4A	—	4B	✓	—	✓	—	—	L, R	4A, 4B
8	21585	CBL	✓	-X	—	✓	<del>4B</del>	—	—	—	—	—	R	14B
9	21570A	CBL	✓	4A	4A	—	4B	✓	—	✓	—	—	L, R	4A, 4B
10	21570	CBL	✓	-X	—	✓	<del>4B</del>	—	—	—	—	—	A	14B
11	21574A	CBL	✓	4A	4A	—	4B	✓	—	✓	—	—	L, R	4A, 4B
12	21574	CBL	✓	-X	—	✓	<del>4B</del>	—	—	—	—	—	R	14B
13	21577A	CBL	✓	4A	4A	—	4B	✓	—	—	—	—	L, R	4A, 4B

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REVIEWER V. Brownlee DATE 10/28/80

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FACILITY Ocence-2

SYSTEM RC

ATTACHMENT 1  
FOR IEB 79-01B  
TER

PAGE 2 OF 5

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Regulation Qual. Conformance		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
14	21577	CBL	✓	-X	-	✓	4b	-	-	-	-	-	R	14b 1 R1
15	21582A	CBL	✓	4a	4a	-	4b	✓	-	✓	-	-	4, R	4a, 4b
16	21582	CBL	✓	-X	-	✓	4b	-	-	-	-	-	R	4b 1 R1
17	21582A	CBL	✓	4a	4a	-	4b	✓	-	✓	-	-	4, R	4a, 4b
18	21582	CBL	✓	-X	-	✓	4b	-	-	-	-	-	R	4b 1 R1
19	21582A	CBL	✓	4a	4a	-	4b	✓	-	✓	-	-	4, R	4a, 4b
20	21582	CBL	✓	-X	-	✓	4b	-	-	-	-	-	R	4b 1 R1
21	21582A	CBL	✓	4a	4a	-	4b	✓	-	✓	-	-	4, R	4a, 4b
22	21582	CBL	✓	-X	-	✓	4b	-	-	-	-	-	R	4b 1 R1
23	21582A	CBL	✓	4a	4a	-	4b	✓	-	✓	-	-	4, R	4a, 4b
24	21582	CBL	✓	-X	-	✓	4b	-	-	-	-	-	R	4b 1 R1
25	21582A	CBL	✓	4a	4a	-	4b	✓	-	✓	-	-	4, R	4a, 4b
26	21582	CBL	✓	-X	-	✓	4b	-	-	-	-	-	R	4b 1 R1

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REVIEWER W. B. B. B. DATE 10/1/80

FACILITY O'Connell 2  
SYSTEM RC

ATTACHMENT 1  
FOR IEB 79-01B  
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PAGE 3 OF 5

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
27 ✓	21592A	CBL	✓	4a	4a	—	4b	✓	—	✓	—	—	L, R	4a, 4b
28 ✓	21592	CBL	✓	4	—	✓	4b	—	—	—	—	—	R	14b 1 RI
29 ✓	21587A	CBL	✓	4a	4a	—	4b	✓	—	✓	—	—	L, R	4a, 4b
30 ✓	21587	CBL	✓	4	—	✓	4b	—	—	—	—	—	R	14b 1 RI
31 ✓	21593A	CBL	✓	4a	4a	—	4b	✓	—	✓	—	—	L, R	4a, 4b
32 ✓	21593	CBL	✓	4	—	✓	4b	—	—	—	—	—	R	14b 1 RI
33 ✓	21571A	CBL	✓	4a	4a	—	4b	✓	—	✓	—	—	L, R	4a, 4b
34 ✓	21571	CBL	✓	4	—	✓	4b	—	—	—	—	—	R	14b 1 RI
35 ✓	21575A	CBL	✓	4a	4a	—	4b	✓	—	✓	—	—	L, R	4a, 4b
36 ✓	21575	CBL	✓	4	—	✓	4b	—	—	—	—	—	R	14b 1 RI
37 ✓	21596A	CBL	✓	4a	4a	—	4b	✓	—	✓	—	—	L, R	4a, 4b
38 ✓	21596	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
39 ✓	21572A	CBL	✓	4a	4a	—	4b	✓	—	—	—	—	L, R	4a, 4b

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REVIEWER VLB DATE 10/28/50



FACILITY

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RC

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CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
40	21572	CBL	✓	4a	-	4a	4a	-	-	-	-	-	L	4a
41	21576A	CBL	✓	4a	4a	-	4b	✓	-	L	-	-	L, R	4a, 4b
42	21576	CBL	✓	4a	-	4a	4a	-	-	-	-	-	L	4a
43	2178A	CBL	✓	4a	4a	-	4b	✓	-	L	-	-	L, R	4a, 4b
44	21578	CBL	✓	4a	-	✓	4b	-	-	-	-	-	R	4b
45	21583A	CBL	✓	4a	4a	-	4b	✓	-	L	-	-	L, R	4a, 4b
46	21583	CBL	✓	4a	-	✓	4b	-	-	-	-	-	R	4b
47	21574A	CBL	✓	4a	4a	-	4b	✓	-	L	-	-	L, R	4a, 4b
48	21574	CBL	✓	4a	-	✓	4b	-	-	-	-	-	R	4b
49	21574	LT	✓	4c	✓	-	4b	✓	✓	L	-	-	L, R	4c, 4b
50	21574	LT	✓	4c	✓	-	4b	✓	✓	L	-	-	L, R	4c, 4b
51	21574	LT	✓	4c	✓	-	4b	✓	✓	L	-	-	L, R	4c, 4b
52	WA1	EPA	✓	✓	✓	-	4b	✓	-	L	-	-	R	4b

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CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
53	WA13	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
54	EC4	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
55	FA13	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
56	WA2	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
57	EAT	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
58	EAS	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
59	WA6	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
60	WA7	EPA	✓	✓	✓	—	46	✓	—	L	—	—	R	46
61	3PT166P	PT	✓	4C	4C	—	4C	4C	46/4E	L	—	—	L	46/4C

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REVIEWER

JCB

DATE

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R1

FACILITY Ocean 2  
SYSTEM RPS

ATTACHMENT 1  
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TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1	2ENIS 113A	CBL	✓	4a	4a	—	4b	4a	—	✓	—	—	L, R	4a, 4b RI
2	2ENIS 113	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
3	2ENIS 214A	CBL	✓	4a	4a	—	4b	4a	—	✓	—	—	4R	4a, 4b RI
4	2ENIS 214	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
5	2ENIS 315A	CBL	✓	4a	4a	—	4b	4a	—	✓	—	—	L, R	4a, 4b RI
6	2ENIS 315	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
7	2ENIS 415A	CBL	✓	4a	4a	—	4b	4a	—	✓	—	—	L, R	4a, 4b RI
8	2ENIS 415	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a
9	2ENIS 121	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a RI
10	2ENIS 217	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a RI
11	2ENIS 319	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a RI
12	2ENIS 418	CBL	✓	4a	—	4a	4a	—	—	—	—	—	L	4a RI
13	WA13	EPA	✓	✓	✓	—	4b	✓	—	✓	—	—	R	4b

Code:

- B = Indicates the item is below the flood level
- ✓ or S = Indicates the item is Satisfactory
- or N = Indicates the item is Not Applicable
- UL = Indicates the item is Unresolved, Licensee identified
- P = Proprietary
- L = Licensee identified
- R = Reviewer identified
- 1 = Equipment is qualified
- 2 = Aging is less than life of plant with licensee indicating periodic replacement

- 3 = Equipment requires modification (resolution, shielding, etc.)
- 4 = Qualification of equipment unresolved
  - a) Testing schedule but not complete
  - b) Reviewer needs additional information
  - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

REVIEWER V. Brumley DATE 10/28/80

SYSTEM

RPS

## TER

PAGE

2. of 2

where  
— note 9

- P - Indicates the item is below the flood level
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REVIEWER

DATE \_\_\_\_\_

10/2.850

ATTACHMENT 2  
FUNCTIONS/SYSTEMS LIST  
B&W PWR

Needed for Mitigation of Consequences of LOCA or MSLB

1. Reactor Protection
2. Safeguards Actuation
3. Containment Isolation
4. Main and Auxiliary Steam Isolation
5. Main and Auxiliary Feedwater Isolation
6. Feedwater Control
7. Containment Spray
8. Containment Air Purification/Cleanup
9. Containment Ventilation/Cooling
10. Containment Combustible Gas Control
11. High Pressure Injection
12. Low Pressure Injection
13. Accumulators
14. Residual Heat Removal
15. Chemical and Volume Control
16. Pressurizer Spray
17. Power Operated Relief Valves
18. Steam Dump
19. Containment Radiation/Monitor
20. Containment Radiation/Sampling

21. Component Cooling Water
22. Service Water
23. Emergency Power
24. Containment Sump
25. Control Room Habitability
26. Safety Equipment Area Ventilation
27. Auxiliary Feedwater
28. Reactor Coolant



ATTACHMENT 3  
OCONEE 2

1 R 1

Documentation References

1. FSAR Ch. 14, Fig. 14-63 (Temp. in Containment)
2. FSAR Ch. 14, Fig. 14-59 (Pressure in Containment)
3. MDS Report OS-73.2, Fig. 2.3-3 (Temp. in Penetration Room)
4. MDS Report OS-73.2, Fig. 2.3-2 (Pressure in Penetration Room)
5. FSAR Sup. 6, Q15; Sup. 7, Q4 - Res. of 8/11 and 8/28/70 (Chemical Spray)
6. Limitorque Test Report 600198 and FURL Test Report F-C3441
7. Rotork Test. No. N/11/4-1970
8. Okonite Engineering Report 110E
9. Okonite Engineering Reports 1/1 and N-1
10. Boston Insulated Wire Test Report B901
11. Franklin Report F-C4350-3 and Anaconda Letter dated 6/1/79
12. Raychem Spec. 44 dated 4/12/68, Cable Data Sheet dated 3/30/67, Military Spec. MIL-W-81044B, Duke Power Company Stock File 1-D-1
13. Franklin Report F-C2750
14. Duke Power Company Report No. TR-012
15. B & W Report No. 58-0081-00
16. Joy Manufacturing Test Report X-604
17. B & W Report No. 58-0080-00
18. Penetration Qualification Reports
19. B & W Test Report 58-0093-00
20. B & W Test Report 58-0261-00 and 58-0220-00
21. Limitorque Test Report B0003
22. Franklin Test Report F-C3271
23. Duke Power Company Post-Accident Radiation Analysis Study
24. Letter from C.A. Driggers to R. F. Wardell dated 3/25/80
25. Limitorque Test Report 600456
26. Westinghouse WCAP7829
27. Westinghouse WCAP8754
28. Franklin Report F-C4113 and Brand Rex Aging Test
29. Wyle Lab Test 17374-1
30. Okonite Engineering Report
31. Duke letter (Steam File OS-815-02) dated 7/15/80
32. Louis Allis letter dated 5/30/80 and Radiation Qualification Sheet
33. B & W Topical Report No. BAW-10003A, Rev. 4
34. Franklin Report F-C3683

Attachment 4  
OUTSTANDING ITEMS

As Identified By

Licensee

O'Connor 2

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
* CASS 22	SU	✓				Note 1
* CASS 23	SU	✓				1
* CASS 24	SU	✓				1
* CCS 10	SU	✓				1
* CSQT 19	SU	✓				1
* CSQT 20	SU	✓				1
* ES 33	PT	✓				1
* ES 34	PT	✓				1
* ES 35	PT	✓				1
* ES 36	PT	✓				1
* HPI 36	SU	✓				1
* IPT 37	SU	✓				1
* LPT 15	CBL	✓				1 #
* LPT 16	CBL	✓				1 #
* LPT 20	CBL	✓				1 #
* LPT 21	CBL	✓				1 #

## Attachment 4

## OUTSTANDING ITEMS

As Identified By

Licensee *ocomp 2*

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
X MS 11	PT	✓				1
X 12	PT	✓				1
X 13	PT	✓				1
X 14	PT	✓				1
X RBV 6	CBL	✓				1 = R1
X 556	SU	✓				1
X 557	SU	✓				1
X 558	SU	✓				1
X 5759	SU	✓				1
X 5860	SU	✓				1
X CASS 10	CBL			✓		1, R 2
X 13	CBL			✓		2
X 16	CBL			✓		2
X 25	TB			✓		2
X 26	TB			✓		2
X 27	TB			✓		<del>2</del> 2
				✓		

R1

Attachment 4

OUTSTANDING ITEMS

As Identified By

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000002

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
X 28	X70RB			✓		<del>2</del> 1 RI
X 29	X70RB			✓		<del>2</del> 1 RI
X 30	X70RB			✓		<del>2</del> 1 RI
X 4	CBL			✓		2
X 11	TB			✓		2
X 12	X70RB			✓		<del>2</del> 1 RI
X C50721	TB			✓		2
X 22	TB			✓		2
X 23	X70RB			✓		<del>2</del> 1 RI
X 24	X70RB			✓		<del>2</del> 1 RI
X 1	CBL			✓		2
X 2	CBL			✓		2
X 3	CBL			✓		2
X 4	CBL			✓		2
X 5	CBL			✓		2
X 6	CBL			✓		2
X 7	CBL			✓		2

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OUTSTANDING ITEMS

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CCOMP 2

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
* ES 8	CCL			✓		2
* 9	CCL			✓		2
* 10	CCL			✓		2
* 20	PS			✓		2
* 21	PS			✓		2
* 22	PS			✓		2
* 23	PS			✓		2
* 24	PS			✓		2
* 25	PS			✓		2
* 26	PS	✓		✓		2
* 27	PS			✓		2
* 28	PS			✓		2
* 29	PS			✓		2
* 30	PT			✓		2
* 31	PT			✓		2
* 32	PT			✓		2



Attachment 4  
OUTSTANDING ITEMS  
As Identified By  
Licensee

CES Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
*FDW 3	CBL			✓		2
* 6	CBL			✓		2
* 9	LT			✓		2
* 10	LT			✓		2
* 11	LT			✓		2
* 12	LT			✓		2
* HPI 10	CPL			✓		2
* 32	TR			✓		2
* 39	TB			✓		2
* 40	XZCPB			✓		2 1/R1
* 41	XZCPB			✓		2 1/R1
* LPI 45	MOV			✓		2
* 46	MOV			✓		2
<del>53</del>	<del>MOV</del>	<del></del>	<del></del>	<del>✓</del>	<del></del>	<del>2</del>
<del>54</del>	<del>MOV</del>	<del></del>	<del></del>	<del>✓</del>	<del></del>	<del>2</del> R1
<del>55</del>	<del>MOV</del>	<del></del>	<del></del>	<del>✓</del>	<del></del>	<del>2</del>
* 56	MOV			✓		2

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C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
<del>LPT 57</del>	<del>MOV</del>			✓		2
<del>58</del>	<del>MOV</del>			✓		2
<del>59</del>	<del>MOV</del>			✓		2
<del>60</del>	<del>MOV</del>			✓		2
<del>61</del>	<del>MOV</del>			✓		2
*LPSW 18	MOV			✓		2
*LWDS 9	TB			✓		2
<del>*10</del>	<del>MOV</del>			✓		2
*11	CBL			✓		2
*12	CBL			✓		2
*13	CBL			✓		2
*14	CBL			✓		2
*15	CBL			✓		2
*16	CBL			✓		2
*17	CBL			✓		2
*18	CBL			✓		2

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Attachment 4

OUTSTANDING ITEMS

As Identified By

Licensee

OCO n2e 2

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
<del>11</del>	<del>RAV</del>	<del>/</del>	<del>/</del>	<del>X</del>	<del>/</del>	<del>2</del>
<del>12</del>	<del>RAV</del>	<del>/</del>	<del>/</del>	<del>X</del>	<del>/</del>	<del>2</del>
<del>13</del>	<del>RAV</del>	<del>/</del>	<del>/</del>	<del>X</del>	<del>/</del>	<del>2</del>
2	CBL			V		2 1# R1
52 54	PS			V		2
53 55	PS			V		2
59 61	TB			V		2
60 62	TB			V		2
61 63	TB			V		2
62 64	TB			V		2
<del>63 65</del>	<del>TB</del>	<del>/</del>	<del>/</del>	<del>X</del>	<del>/</del>	<del>2</del>
63 65	TB			V		2
64 67	X7ORB			V		2
65 68	X7ORB			V		2
66 69	X7ORB			V		2
67 70	X7ORB			V		2
<del>71</del>	<del>X7ORB</del>	<del>/</del>	<del>/</del>	<del>X</del>	<del>/</del>	<del>2</del>
68 72	X7ORB			V		2

R1

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R1

R1

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OUTSTANDING ITEMS

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O'Connell

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
*PC 1	CBL			✓		2
* 3	CBL			✓		2 ✓
* 5	CBL			✓		2
* 7	CBL			✓		2
* 9	CBL			✓		2
* 11	CPL			✓		2
* 13	CBL			✓		2
* 15	CBL			✓		2
* 17	CBL			✓		2
* 19	CBL			✓		2
* 21	CBL			✓		2
* 23	CBL			✓		2
* 25	CBL			✓		2
* 27	CBL			✓		2
* 29	CBL			✓		2
* 31	CPL			✓		2
* 33	CBL			✓		2

Attachment 4

OUTSTANDING ITEMS

As Identified By

Licensee

O'Connor 2

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
* 35	CBL			✓		2
* 37	CBL			✓		2
* 39	CBL			✓		2
* 40	CBL			✓		2
* 41	CBL			✓		2
* 42	CBL			✓		2
* 43	CBL			✓		2
* 45	CBL			✓		2
* 47	CBL			✓		2
* 49	LT			✓		2
* 50	LT			✓		2
* 51	LT			✓		2
* 61	PT			✓		2
* RPS 1	CCL			✓		2
* 2	CCL			✓		2
* 3	CCL			✓		2
* 4	CCL			✓		✓



Attachment 4  
OUTSTANDING ITEMS

As Identified By

Licensee

*O'Connell*

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
* <del>PD</del> 5	CAL			✓		2
* 6	CBL			✓		2
* 7	CCL			✓		2
* 8	CIL			✓		2
* 9	CPL			✓		2
* 10	CBL			✓		2
* 11	CBL			✓		2
* 12	CCL			✓		2
* 17	PT			✓		2
* 18	PT			✓		2
* 19	PT			✓		2
* 20	PT			✓		2
* HPI 45	MOV			✓		2
* 47	MOV			✓		2
LPI - 47	MOV			✓		2
- 48	MOV			✓		2

R1



OCONFEE 2

ATTACHMENT 4 - NOTES

1. Item to be replaced; licensee identified desposition schedule is identified on specific CES.
2. Testing scheduled but not complete, or qualification record search is still in progress; licensee identified.

3. *# licensee has stated in a telcon with RT that these items have now been qualified & that they will not be replaced. These items & respective C.E.S. will be revised in their Feb. Response.*

CODES:

CASS	-	Chemical Addition and Sampling System
CSQT	-	Containment Spray Quench Tank
ES	-	Engineered Safeguards
HPI	-	High Pressure Injection
LPI	-	Low Pressure Injection
MS	-	Main Steam
RBV	-	Reactor Building Ventilation
CCS	-	Component Cooling System
FDW	-	Feedwater
LPSW	-	Low Pressure Service Water
LWDS	-	Liquid Waste Disposal System
RBS	-	Reactor Building Spray
RC	-	Reactor Coolant
RPS	-	Reactor Protection System
PT	-	Pressure Transmitter
CBL	-	Cable
SV	-	Solenoid Valve
TP	-	Terminal Board
XZORB	-	Transzorb
PS	-	Pressure Switch
LT	-	Level Transmitter
MOV	-	Motor Operated Valve