

Duke Power Company PROCEDURE PROCESS RECORD

(1) ID No. AP/1/A/1700/23
Change(s) 1 to
_____ Incorporated

PREPARATION

(2) Station OCONEE NUCLEAR STATION

(3) Procedure Title LOSS OF 1KI BUS

(4) Prepared By Mark E. Patrick Date 3-8-89

(5) Reviewed By James Riech Date 3-9-89

Cross-Disciplinary Review By _____ N/R LR

(6) Temporary Approval (if necessary)

By _____ (SRO) Date _____

By _____ Date _____

(7) Approved By R. L. Sweigart (SRO) Date 3-10-89

(8) Miscellaneous

Reviewed/Approved By Jerry W. Collier Date 3/8/89

Reviewed/Approved By _____ Date _____

(9) Comments (For procedure reissue indicate whether additional changes, other than previously approved changes, are included. Attach additional pages, if necessary.)

Additional Changes Included. Yes
 No

(10) Compared with Control Copy _____ Date _____

(11) Requires change to FSAR not identified in 10CFR50.59 evaluation? Yes
If "yes", attach detailed explanation. No

Completion

(12) Date(s) Performed _____

(13) Procedure Completion Verification

Yes N/A Check lists and/or blanks properly initialed, signed, dated or filled in N/A or N/R, as appropriate?

Yes N/A Listed enclosures attached?

Yes N/A Data sheets attached, completed, dated and signed?

Yes N/A Charts, graphs, etc. attached and properly dated, identified and marked?

Yes N/A Procedure requirements met?

Verified By _____ Date _____

(14) Procedure Completion Approved _____ Date _____

(15) Remarks (attach additional pages, if necessary)

LOSS OF 1KI BUS
AP/1/A/1700/23

TABLE OF CONTENTS

	<u>Page</u>
1.0 Purpose	1
2.0 Symptoms	1
3.0 Automatic Systems Actions	1
4.0 Immediate Manual Actions	2
5.0 Subsequent Actions	3
6.0 Enclosures	
6.1 Available Control Room Indications	7
6.2 Guidelines For ICS Auto Power Failure	8
6.3 Guidelines For ICS Manual Power Failure	11
6.4 Guidelines For ICS Emergency Power Failure	14
6.5 Guidelines For ICS Emergency FDW Power Failure	16

OCCONEE NUCLEAR STATION

LOSS OF 1KI BUS AP/1/A/1700/23

1.0 Purpose

This procedure provides the actions necessary to maintain the plant in a safe condition following a partial or total loss of power to the ICS and Control Room Indications.

2.0 Symptoms

- "EL ICS INVERTER SYSTEM TROUBLE" statalarm, (1SA-6, C-2)
- "ICS MAN POWER FAILURE" statalarm, (1SA-2, B-12)
- "ICS AUTO POWER FAILURE" statalarm, (1SA-2, B-11)
- "ICS EMER POWER FAILURE" statalarm, (1SA-2, E-11)

- "ICS EMERG F.W. POWER FAILURE" statalarm, (1SA-2, D-11)
- Other numerous alarms as instruments fail
- All Bailey Hand/Auto Stations may lose indicator lights.

3.0 Automatic Systems Actions

- Main FDW pumps trip
- Reactor trip
- Turbine-generator trip
- All operable EFDWPs start

- 1HP-31 (RCP Seal Flow Control) swaps to 1KU and controls at setpoint
- 1HP-120 (RC Volume Control) swaps to 1KU and is manually operable
- 1HP-7 (Letdown Control) swaps to 1KU and is manually operable.

LOSS OF 1KI BUS
AP/1/A/1700/23

Immediate Manual Actions

4.0 Immediate Manual Actions

____ 4.1 IF ICS Auto Power failure,
OR ICS Manual Power failure has occurred,
THEN verify the following automatic actions:

4.1.1 Reactor trip.

4.1.2 Turbine-generator trip.

4.1.3 Both Main FDW pumps trip.

4.1.4 All operable EFDW pumps start.

____ 4.2 IF the Reactor has tripped,
THEN REFER TO EP/1/A/1800/01, EMERGENCY OPERATING
PROCEDURE.

LOSS OF 1KI BUS
AP/1/A/1700/23

Subsequent Actions

5.0 Subsequent Actions

____ 5.1 IF only ICS Emergency Power failure has occurred,
THEN GO TO Enclosure 6.4 (Guidelines For ICS Emergency
Power Failure).

____ 5.2 IF only ICS Emergency FDW Power failure has occurred,
THEN GO TO Enclosure 6.5 (Guidelines For ICS Emergency
FDW Power Failure).

____ 5.3 Monitor plant response on the following valid indications:

- Display Group 04
- Display Group 16
- ICC Train A and Train B
- REFER TO Enclosure 6.1 (Available Control Room Indications)

CAUTION 5.4 Turbine Header Pressure indication at the Aux Shutdown Panel fails midscale. Operation of the TBVs will require communication with the Control Room.

____ 5.4 IF ICS Manual Power failure has occurred,
OR a total loss of 1KI has occurred,
THEN send an Operator to the Aux Shutdown Panel to perform
the following:

5.4.1 Place the TBVs in "HAND."

5.4.2 Reduce TBVs demand to "0."

5.4.3 Reenergize TBVs by going to "1KU EMERGENCY" with the
"BYPASS VLVS POWER XFER" switch.

5.4.4 Control TBVs to maintain stable RCS P/T.

LOSS OF 1KI BUS
AP/1/A/1700/23

Subsequent Actions

- _____ 5.5 IF only ICS Manual Power failure has occurred,
THEN GO TO Enclosure 6.3 (Guidelines for ICS Manual Power Failure).
- _____ 5.6 IF ICS Auto Power failure has occurred,
OR a total loss of 1KI has occurred,
THEN perform the following:
- 5.6.1 Verify the following Bailey Stations are operable:
- 1HP-120 (RC Volume Control), manually operable
 - 1HP-31 (RCP Seal Flow Control), auto operable
- 5.6.2 Send an Operator to the Aux Shutdown Panel to maintain RCS pressure stable using Bank Two PZR heaters.
- _____ 5.7 IF only ICS Auto Power failure has occurred,
THEN GO TO Enclosure 6.2 (Guidelines for ICS Auto Power Failure).
- _____ 5.8 Maintain Hot Shutdown.
- _____ 5.9 IF RCS Tc \leq 500°F,
THEN manually trip one RCP in 'B' loop
- CAUTION 5.10 The TBVs should be controlled from the Aux Shutdown Panel prior to reenergizing the 1KI bus.
- _____ 5.10 Send an Operator to Unit 1 Equipment Room to bypass 1KI Inverter by performing the following:
- 5.10.1 Open "SW#1" (Left Switch).

LOSS OF 1KI BUS
AP/1/A/1700/23

Subsequent Actions

5.10.2 Open "SW#3" (Right Switch).

5.10.3 Close "SW#2" (Center Switch).

5.11 WHEN power is restored to 1KI,
THEN monitor PZR and QT indications for possible 1RC-66 (PORV) actuation:

- Reenergize PZR heaters to maintain RCS pressure.

5.12 IF Unit 1 is supplying the Aux Stm Hdr,
THEN transfer the Aux Stm Hdr to another Unit or the Aux Boiler:

- REFER TO OP/0/A/1106/22, AUXILIARY STEAM SYSTEM
- REFER TO OP/0/A/1106/04, AUXILIARY BOILER.

CAUTION 5.13 When the power supply to the TBVs is swapped, valve position may change if Station demand signals are not matched.

5.13 WHEN ICS Power has been restored from 1KI,
THEN perform the following:

5.13.1 Transfer power and control of the TBVs back to the Control Room:

5.13.1.1 Transfer TBVs' power from "1KU EMERGENCY" to "1KI NORMAL" with the "BYPASS VLVS POWER XFER" switch.

5.13.1.2 Adjust the Control Room TBVs' stations demand signal to match the demand signal on the Aux Shutdown Panel TBVs' stations.

LOSS OF 1KI BUS
AP/1/A/1700/23

Subsequent Actions

- 5.13.1.3 Place TBVs' stations to "AUTO" at the Aux Shutdown Panel.
- 5.13.1.4 Verify Control Room has control of both TBVs' before leaving the Aux Shutdown Panel.
- 5.13.2 Transfer RCS pressure control back to the Control Room:
- Place PZR Heater Bank Two switch back to "NORM" at the Aux Shutdown Panel
 - Place PZR heaters in "AUTO" in the Control Room.

END

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.1
Available Control Room Indications

1.0 Front Board (UB1) Indications:

- Main Steam Pressure
- SG Extended SU Range Level
- Source And Intermediate Range neutron recorder
- RCP Seal Injection Flow

- Emerg FDW Hdr Flow To SG
- TD EFDWP Disch Pressure
- MD EFDWP Flow
- MD EFDWP Disch Pressure

- Core Subcooling Margin °F
- Loop A Subcooling Margin °F
- Loop B Subcooling Margin °F
- RC Makeup Flow.

2.0 Front Board (UB2) Indications:

- Cond Vacuum.

3.0 Computer Indications:

- Display Group 29.

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.2
Guidelines For ICS Auto Power Failure

- _____ 1.0 IF ICS Auto Power failure has occurred,
THEN perform the following to recover ICS Auto Power:
- 1.1 Verify the breaker for Auto Power in the back of ICS Cabinet #4 "ON."
 - 1.2 Verify breaker #25 (ICS Auto Power) in 1KI Power Panelboard "ON."
- _____ 2.0 The following equipment should be operable for the conditions noted:
- PZR Heater Bank Two, operable from the Aux Shutdown Panel
 - 1RC-1 (PZR Spray), operable with no position indication from UB1 and from keyswitch in ICS cabinet #13
 - 1RC-3 (Spray Block), operable with no position indication from UB1
 - 1HP-7 (Letdown Control), manually operable with no flow indication
 - 1RC-66 (PORV), operable from the Control Room switch.
- _____ 3.0 The following Bailey Stations are manually operable, (auto function and light indication are lost):
- Turbine Bypass Loop A and B
 - Steam Generator-Reactor
 - Steam Generator Load Ratio
 - Reactor Demand

 - Loop A and B FDW Demand
 - Loop A and B Main FDW Valves
 - Loop A and B SU FDW Valves.

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.2
Guidelines For ICS Auto Power Failure

4.0 The following instrumentation is invalid:

4.1 Front Board (UB1) Instrumentation:

- Main FDW Flow Loop A and B recorders fail as is
- T_{ave} digital meter indication is lost
- Unit Load recorder fails as is
- Unit T_{ave} recorder fails as is

- Neutron Error indication fails to mid scale
- dT_c indication fails to mid scale
- T_{ave} Loop A and B indications fail to mid scale
- ULD digital meter indication is lost

- RB Normal Sump Level indication fails low
- RCS Flow recorder fails as is
- LDST Level recorder fails as is
- Letdown Flow indication fails to mid scale.

4.2 Front Board (UB2) Instrumentation:

- LPI Cooler Outlet Temp A and B indications fail to mid scale
- RB Pressure indication fails low.

4.3 Side Board (AB1) Instrumentation:

- QT Pressure indication fails to mid scale
- QT Temp indication fails to mid scale
- QT Level indication fails low.

LOSS OF 1KI BUS
AF/1/A/1700/23

ENCLOSURE 6.2
Guidelines For ICS Auto Power Failure

4.4 Back Board (AB3) Instrumentation:

- Total Waste Gas Discharge to Stack counter fails as is
- Waste Gas Tank Discharge counter fails as is
- Waste Gas Flow to Stack recorder fails as is
- RB Normal Sump Level indication fails to mid scale

- CRD Output Header Flow indication fails to mid scale
- RB Pressure recorder fails as is.

4.5 Vertical Board (VB1,2,3) Instrumentation:

- RCP Labyrinth Seal ΔP indications fail to mid scale
- LPI Cooler Outlet Temp A and B indications fail to mid scale
- CFTs A and B Level indications, one channel fails low
- CFTs A and B Pressure indications, one channel fails to mid scale

- "RC SYSTEM APPROACHING SATURATION CONDITIONS" statalarm (1SA-8, A-10) inoperable.

4.6 Aux Shutdown Panel Instrumentation:

- LDST Level indication fails low.

5.0 WHEN Auto Power has been restored from 1KI,
THEN transfer RCS pressure control back to the Control Room:

- Place PZR Heater Bank Two switch back to "NORM" at the Aux Shutdown Panel
- Place PZR heaters in "AUTO" in the Control Room.

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.3
Guidelines For ICS Manual Power Failure

____ 1.0 IF ICS Manual Power failure has occurred,
THEN perform the following to recover ICS Manual Power:

- 1.1 Verify the breaker for Hand Power in the back of ICS Cabinet #4 "ON."
- 1.2 Verify breaker #1 (ICS Manual Power) in 1KI Power Panelboard "ON."

____ 2.0 Actions that occur on loss of manual power:

2.1 The following Bailey Stations become inoperable:

- Turbine Bypass Loop A and B
- Turbine Master
- '1A' and '1B' FDWPT Speed

- Loop A and B FDW Demand
- Loop A and B Main FDW Valves
- Loop A and B SU FDW Valves.

2.2 The Turbine Bypass valves fail closed.

2.3 The Main FDW Control valves fail to 50%:

- 1FDW-32 ('1A' Main FDW Control)
- 1FDW-41 ('1B' Main FDW Control).

2.4 1RC-1 (PZR Spray) fails closed.

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.3
Guidelines For ICS Manual Power Failure

3.0 The following instrumentation is invalid:

3.1 Front Board (UB1) Instrumentation:

- SG Outlet Temp Loop A and B indications fail to mid scale
- SG Outlet Press Loop A and B indications fail to mid scale
- SG Downcomer Temp Loop A and B indications fail to mid scale
- SG Level Loop A and B recorders fail as is

- SG SU Level Loop A and B indications fail low
- FDW Valve ΔP Loop A and B indications fail to mid scale
- SG Level Full Range Loop A and B indications fail low
- Final FDW Temp indication fails to mid scale

- Unit Th recorder fails as is
- Unit Tc WR recorder fails as is
- Unit Tc indication fails to mid scale
- dT Loop A and B indications fail to mid scale

- Unit dT indication fails to mid scale
- Th Loop A and B indications fail to mid scale
- RC Flow Loop A and B indications fail to mid scale
- RCS NR Pressure recorder fails as is

- RCS WR Pressure recorder fails as is
- PZR Level recorder fails as is
- Turbine Header Pressure recorder fails as is
- PZR Temp indication fails to mid scale.

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.3
Guidelines For ICS Manual Power Failure

3.2 Vertical Board (VB2) Instrumentation:

- CFTs A and B Level indications, one channel fails low
- CFTs A and B Pressure indications, one channel fails to mid scale.

3.3 Aux Shutdown Panel Instrumentation:

- Turbine Header Pressure indication fails to mid scale.

4.0 WHEN ICS Manual Power has been restored from 1KI,
THEN transfer power and control of the TBVs back to the
Control Room:

- 4.1 Transfer TBVs' power from "1KU EMERGENCY" to "1KI NORMAL" with the "BYPASS VLVS POWER XFER" switch.
- 4.2 Adjust the Control Room TBVs' stations demand signal to match the demand signal on the Aux Shutdown Panel TBVs' stations.
- 4.3 Place TBVs' stations to "AUTO" at the Aux Shutdown Panel.
- 4.4 Verify Control Room has control of both TBVs before leaving the Aux Shutdown Panel.

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.4
Guidelines For ICS Emergency Power Failure

____ 1.0 To regain control of Main FDW, perform the following:

1.1 Take FDW Demand to "HAND:"

- Loop A FDW Demand
- Loop B FDW Demand.

1.2 Take Main FDW Control valves to "HAND:"

- 1FDW-32 ('1A' Main FDW Control)
- 1FDW-41 ('1B' Main FDW Control).

1.3 Take SU FDW Control valves to "HAND:"

- 1FDW-35 ('1A' Startup FDW Control)
- 1FDW-44 ('1B' Startup FDW Control).

____ 2.0 To regain control of PZR level:

2.1 Take 1HP-120 (RC Volume Control) to "HAND."

2.2 Select PZR Level CH 3.

2.3 Establish stable PZR level control.

2.4 Return 1HP-120 (RC Volume Control) to "AUTO."

____ 3.0 To regain Emergency Power perform the following:

3.1 Verify breaker #3 (ICS Emer Power #1) in 1KI Panelboard "ON."

3.2 Verify breaker #5 (ICS Emer Power #2) in 1KI Panelboard "ON."

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.4
Guidelines For ICS Emergency Power Failure

____ 4.0 IF both Emergency Power supplies are lost,
THEN the following "AUTO" responses occur from failed indications:

4.1 TBVs:

- Fail "CLOSED" if in "AUTO" due to SG Outlet Pressure indication failing to mid scale.

4.2 Main and SU FDW Control valves:

- Valves will "OPEN" if in "AUTO" due to SU Level indication failing low.

4.3 1HP-120 (RC Volume Control):

- Fails "OPEN" if PZR Level CH 1 or CH 2 selected due to PZR Level CH 1 or CH 2 failing low.

4.4 PZR heaters deenergize if PZR Level CH 1 or CH 2 is selected.

____ 5.0 If both Emergency Power supplies are lost, the following indications shall be used:

- MS Pressure gauge (SG Outlet Pressure indications fail to mid scale)
- SG Extended SU Range Level (SU Level indications fail low)
- PZR Level CH 3 on Display Group #16 (Level CH 1 and CH 2 fail low):

____ 6.0 IF only one Emergency Power supply is lost,
THEN only one channel of the following is invalid:

- SG SU Level Loop A and Loop B indication
- SG Outlet Pressure Loop A and Loop B indication
- PZR Level.

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.5
Guidelines For ICS Emergency FDW Power Failure

NOTE 1.0 If the SU FDW Control valves fail to 50% and Reactor Power is below 10% with the Main FDW Block valves in AUTO, then the Main FDW Block valves will go closed.

____ 1.0 IF ICS Emergency FDW Power failure has occurred,
THEN SU FDW Control valves fail to 50%:

1.1 IF FDW overfeed occurs,
THEN trip the Main FDWPs
and
REFER TO AP/1/A/1700/19, LOSS OF MAIN
FEEDWATER.

1.2 IF FDW flow decreases,
THEN verify Main FDW Control valves "OPEN" to
compensate for lost SU flow:

- 1FDW-32 ('1A' Main FDW Control)
- 1FDW-41 ('1B' Main FDW Control).

____ 2.0 To recover Emergency FDW Power perform the following:

2.1 Verify breaker #9 (Emer SG Lvl Control) in 1KI Power
Panelboard "ON."

LOSS OF 1KI BUS
AP/1/A/1700/23

ENCLOSURE 6.5
Guidelines For ICS Emergency FDW Power Failure

____ 3.0 Other actions that occur on loss of Emergency FDW Power:

3.1 Loss of SG Downcomer Temperature Channel 1 indication for
Loops A and B:

- SG O.R. Level temperature compensation available from
Channel 2 powered from ICS Manual power.

3.2 Loss of compensated SG Level Channel 1 input to recorders for
Loops A and B:

- SG O.R. Level recorder input available from Channel 2
powered from ICS Manual Power.

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 4/05/89
 PAGE 11

NORMAL POWER SOURCE
 ALTERNATE POWER SOURCE

6900 V SWITCHGEAR

ONE-LINE DWG NO F4059
 BLDG TB ELEV 796+06 COORD LOC C-27

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
11A 02 1	FDBKR		INCOMING FEEDER FROM NORMAL BUS	6900 3	0.00 000000	0-702-A1 OEE-117-29	
11A 03 1	FDBKR		R.C. PUMP # 1A1	6900 3	670.00 000000	0-767-A OEE-117-30	9000 HP
11A 04 1	FDBKR		R.C. PUMP # 1B1	6900 3	670.00 000000	0-767-A OEE-117-31	9000 HP
11A 05 1	FDBKR		SPARE	6900 3	0.00 000000	0-702-A1 OEE-117-32	
11A 06 1	FDBKR		INCOMING FEEDER FROM START-UP BUS	6900 3	0.00 000000	0-702-A1 OEE-117-33	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 O'CONNOR NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 4/05/89
 12

NORMAL POWER SOURCE
 6900 V SWITCHGEAR

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC D-27

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
11B 02 1	FDBKR		INCOMING FEEDER FROM START-UP BUS	6900 3	0.00 000000	0-702-A1 0EE-117-35	
11B 03 1	FDBKR		R.C. PUMP # 1A2	6900 3	670.00 000000	0-767-A 0EE-117-36	9000 HP
11B 04 1	FDBKR		R.C. PUMP # 1B2	6900 3	670.00 000000	0-767-A 0EE-117-37	9000 HP
11B 05 1	FDBKR		INCOMING FEEDER FROM NORMAL BUS	6900 3	0.00 000000	0-702-A1 0EE-117-38	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 ITC
 4160 V SWITCHGEAR

SAFETY CLASS IE
 SAFETY COLOR 1E

PAGE 13

4/05/89

ALTERNATE POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06

COORD LOC K-26

NORMAL POWER SOURCE

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NDA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

SPARE

4160 0.00
 3 000000

FDBKR

INCOMING FEEDER
 FROM BUS 2

4160 0.00
 3 000000

FDBKR

600V XFMR # IX7

0-702
 OEE-117-39

4160 0.00
 3 000000

FDBKR

600V XFMR # IX8

0-703-F
 OEE-117-40

1500 KVA

4160 0.00
 3 000000

FDBKR

KEONEE STANDBY
 XFMR CX

0-703-G
 OEE-117-41

1000 KVA

4160 0.00
 3 000000

FDBKR

CONDENSER CIRC MTR
 PUMP # 1A

0-702
 OEE-117-42

750 KVA

4160 312.00
 3 000000

FDBKR

CONDENSER CIRC MTR
 PUMP # 1D

0-702
 OEE-117-43

1750 HP

4160 312.00
 3 000000

FDBKR

CONDENSATE BOOSTER
 PUMP # 1A

0-702
 OEE-117-44

1750 HP

4160 246.00
 3 000000

FDBKR

HOTWELL PUMP # 1A

0-702
 OEE-117-45

2000 HP

4160 126.00
 3 000000

FDBKR

H P INJECTION PUMP
 # 1A

0-702
 OEE-117-46

1000 HP

4160 74.00
 3 000000

FDBKR

L P INJECTION PUMP
 # 1A

0-702
 OEE-117-47

600 HP

4160 52.20
 3 000000

FDBKR

L P INJECTION PUMP
 # 1A

0-702
 OEE-117-48

400 HP

COMP UNIT	TYPE UNIT	LOAD TITLE	BLDG TB	ELEV	DMG NO	COORD	LOC	VOLTS	FLA	D/P N/D	COMMENTS
	D/P LOC	BRANCH TITLE						PHASE	NGA	D/P ELEM	
		DEVICE DESCRIPTION								DEVICE ELEM	
IIC 0	FDBKR	SPARE		4160	0.00			3	000000		
IIC 01	FDBKR	INCOMING FEEDER FROM BUS 2	ONE-LINE	4160	0.00			3	000000	0-702 OEE-117-39	
IIC 02	FDBKR	600V XFMR # 1X7		4160	0.00			3	000000	0-703-F OEE-117-40	1500 KVA
IIC 03	FDBKR	600V XFMR # 1X8		4160	0.00			3	000000	0-703-G OEE-117-41	1000 KVA
IIC 04	FDBKR	KEOWEE STANDBY XFMR CX		4160	0.00			3	000000	0-702 OEE-117-42	750 KVA
IIC 05	FDBKR	CONDENSER CIRC MTR PUMP # 1A		4160	312.00			3	000000	0-702 OEE-117-43	1750 HP
IIC 06	FDBKR	CONDENSER CIRC MTR PUMP # 1D		4160	312.00			3	000000	0-702 OEE-117-44	1750 HP
IIC 07	FDBKR	CONDENSATE BOOSTER PUMP # 1A		4160	246.00			3	000000	0-702 OEE-117-45	2000 HP
IIC 08	FDBKR	HOTWELL PUMP # 1A		4160	126.00			3	000000	0-702 OEE-117-46	1000 HP
IIC 09	FDBKR	H P INJECTION PUMP # 1A		4160	74.00			3	000000	0-702 OEE-117-47	600 HP
IIC 10	FDBKR	L P INJECTION PUMP # 1A		4160	52.20			3	000000	0-702 OEE-117-48	400 HP

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 ITC
 4160 V SWITCHGEAR

SAFETY CLASS 1E
 SAFETY COLOR
 ALTERNATE POWER SOURCE

4/05/89
 PAGE 14

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	ONE-LINE DMG NO F4059		VOLTS PHASE	FLA NDA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
				BLDG TB	COORD LOC K-26				
IITC 11 1	FDBKR		REACTOR BLDG SPRAY PUMP # 1A	4160 3	32.00 000000			0-702 OEE-117-49	250 HP
IITC 12 1	FDBKR		L.P. SERVICE WATER PUMP # A	4160 3	75.50 000000			0-702 OEE-117-50	600 HP
IITC 13 1	FDBKR		600V XFMR # 1X1	4160 3	0.00 000000			0-703 OEE-117-51	1500 KVA
IITC 14 1	FDBKR		INCOMING FEEDER FROM BUS 1	4160 3	0.00 000000			0-702 OEE-117-52	
IITC 15 1	FDBKR		VISITOR'S CENTER	4160 3	0.00 000000			0-702 OEE-117-53	500 KVA

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 O'CONNOR NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR
 4/05/89
 PAGE 15

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-25

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA NQA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
1TD 0 1	FDBKR	MOTOR DRIVEN EMERG FDW PUMP 1A		4160 3 000000	0-702 0EE-117-90	500 HP
1TD 01 1	FDBKR	INCOMING FEEDER FROM BUS 2		4160 3 000000	0-702 0EE-117-54	
1TD 02 1	FDBKR	600V XFMR # 1X5		4160 3 000000	0-702 0EE-117-55	1500 KVA
1TD 03 1	FDBKR	600V XFMR # 1X9		4160 3 000000	0-702 0EE-117-56	1000 KVA
1TD 04 1	FDBKR	COND. CIRC. WATER PUMP # 1B		4160 3 000000	0-702 0EE-117-57	1750 HP
1TD 05 1	FDBKR	COND. BOOSTER PUMP # 1B		4160 3 000000	0-702 0EE-117-58	2000 HP
1TD 06 1	FDBKR	HOTWELL PUMP # 1B		4160 3 000000	0-702 0EE-117-59	1000 HP
1TD 07 1	FDBKR	1D2 HEATER DRAIN TANK PUMP		4160 3 000000	0-702 0EE-117-60	2000 HP
1TD 08 1	FDBKR	1E2 HEATER DRAIN TANK PUMP		4160 3 000000	0-702 0EE-117-61	300 HP
1TD 09 1	FDBKR	H P INJECTION PUMP # 1C		4160 3 000000	0-702 0EE-117-62	600 HP
1TD 10 1	FDBKR	L P INJECTION PUMP # 1B		4160 3 000000	0-702 0EE-117-63	400 HP

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 LTD
 4160 V SWITCHGEAR

SAFETY CLASS 1E
 SAFETY COLOR
 4/05/89
 PAGE 16

NORMAL POWER SOURCE
 ALTERNATE POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-25

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
LTD 11 1	FDBKR	R.B. SPRAY PUMP # 1B		4160 3	32.00 000000	G-702 OEE-117-64	250 HP
LTD 12 1	FDBKR	CASK DECONTAM PUMP		4160 3	33.00 000000	G-702 OEE-117-65	250 HP
LTD 13 1	FDBKR	600V XFMR # 1X2		4160 3	0.00 000000	G-702 OEE-117-66	1500 KVA
LTD 14 1	FDBKR	INCOMING FEEDER FROM BUS 1		4160 3	0.00 000000	G-702 OEE-117-67	
LTD 15 1	FDBKR	L.P. SERVICE WATER PUMP # B		4160 3	75.50 000000	G-702 OEE-117-83	600 HP
LTD 16 1	FDBKR	R.B. LEAK RATE AIR CMPR # B		4160 3	52.00 000000	G-702 OEE-117-84	400 HP

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR 1

4/05/89
 PAGE 1

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
ITE 0 1	FDBKR	MTR., DRIVEN EMERG. FDMTR. PUMP # 1BP	ONE-LINE DMG NO F4059 BLDG TB ELEV 796+06 COORD LOC K-24	4160 3	62.80 000000	0-702 OEE-117-91	500 HP
ITE 00 1	FDBKR	SPARE		4160 3	0.00 000000		
ITE 01 1	FDBKR	INCOMING FEEDER FROM BUS 2		4160 3	0.00 000000	0-702 OEE-117-68	
ITE 02 1	FDBKR	600V XFMR # 1X6		4160 3	0.00 000000	0-703-E OEE-117-69	1500 KVA
ITE 03 1	FDBKR	600V XFMR # 1X4		4160 3	0.00 000000	0-703-C OEE-117-70	1500 KVA
ITE 04 1	FDBKR	CONDENSER CIRC MTR PUMP # 1C		4160 3	312.00 000000	0-702 OEE-117-71	1750 HP
ITE 05 1	FDBKR	CONDENSATE BOOSTER PUMP # 1C		4160 3	246.00 000000	0-702 OEE-117-72	2000 HP
ITE 06 1	FDBKR	HOTWELL PUMP # 1C		4160 3	126.00 000000	0-702 OEE-117-73	1000 HP
ITE 07 1	FDBKR	101 HEATER DRAIN TANK PUMP		4160 3	243.00 000000	0-702 OEE-117-74	2000 HP
ITE 08 1	FDBKR	1E1 HEATER DRAIN TANK PUMP		4160 3	38.10 000000	0-702 OEE-117-75	300 HP
ITE 09 1	FDBKR	H P INJECTION PUMP # 1B		4160 3	74.00 000000	0-702 OEE-117-76	600 HP

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR 2

4/05/89
 PAGE 2

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

ONE-LINE DHG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-24

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
10 1	FDBKR		L P INJECTION PUMP # 1C	4160 3	52.20 000000	0-702 0EE-117-77	400 HP
11 1	FDBKR		SWITCHYARD FEEDER # A	4160 3	0.00 000000	0-801 0EE-117-78	
12 1	FDBKR		600V XFMR # 1X10	4160 3	0.00 000000	0-703-G 0EE-117-79	300 KVA
13 1	FDBKR		600V XFMR # 1X3	4160 3	0.00 000000	0-703-B 0EE-117-80	1500 KVA
14 1	FDBKR		INCOMING FEEDER FROM BUS 1	4160 3	0.00 000000	0-702 0EE-117-81	
15 1	FDBKR		CHILLER MOTOR A	4160 3	45.00 000000	0-702 0EE-117-82	350 HP

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

D U K E P O W E R C O M P A N Y
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

1DCA	125VDC CONTROL POWER DISTRIBUTION CENTER
1DCB	125VDC CONTROL POWER DISTRIBUTION CENTER
1KVIA	120 VAC VITAL INSTR POWER PANELBOARD
1KVIB	120 VAC VITAL INSTR POWER PANELBOARD
1KVIC	120 VAC VITAL INSTR POWER PANELBOARD

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR 1E

3/17/69
 PAGE 1

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NDA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
IDCA 1A 1	FDBKR	125 VDC CONTROL PWR BUS IDCA AND IDCB TIE BKR	125 VDC CONTROL PWR BUS IDCA AND IDCB TIE BKR	125 DC	0.00 000000	0-759-C	
IDCA 1B 1	FDBKR	CONTROL BATTERY CHARGER 1CA	CONTROL BATTERY CHARGER 1CA	125 DC	0.00 000000	0-759-E	
IDCA 2A 1	FDBKR	CONTROL BATTERY	CONTROL BATTERY 1CA	125 DC	0.00 000000	0-705	
IDCA 2B 1	FDBKR	STAND-BY CONTROL BATTERY CHARGER	STAND-BY CONTROL BATTERY CHARGER 1CS	125 DC	0.00 000000	0-759-E	
IDCA 3A 1	FDBKR	INST AND CNTRL PWR PNL 1D1A	INST AND CNTRL PWR PNL 1D1A	125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADA
IDCA 3B 1	FDBKR	INST AND CNTRL PWR PNL 1D1B	INST AND CNTRL PWR PNL 1D1B	125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADB
IDCA 3C 3	FDBKR	INST AND CNTRL PWR PNL 3D1A	INST AND CNTRL PWR PNL 3D1A	125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADA
IDCA 3D 3	FDBKR	INST AND CNTRL PWR PNL 3D1C	INST AND CNTRL PWR PNL 3D1C	125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADC
IDCA 3E 1	FDBKR	INTERGRAED CNTRL SYS INVERTER 1K1	INTERGRAED CNTRL SYS INVERTER 1K1	125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADF
IDCA 3F 1	FDBKR	AUX PWR SYSTEM INVERTER 1KX	AUX PWR SYSTEM INVERTER 1KX	125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADC
IDCA 4B 1	FDBKR	COMPUTER SYSTEM INVERTER 1KU	COMPUTER SYSTEM INVERTER 1KU	125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADE

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR

ALTERNATE POWER SOURCE

3/17/89
 PAGE 2

NORMAL POWER SOURCE

125VDC CONTROL POWER
 DISTRIBUTION CENTER
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 796+00 COORD LOC N-26

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
1DCA 4C 1	BKR	SPARE		125 DC	0.00 000000		
1DCA 4D 1	BKR	SPARE		125 DC	0.00 000000		
1DCA 4EB 1	BKR	SPARE		125 DC	0.00 000000		
1DCA 4ET 1	BKR	SPARE		125 DC	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR
 ALTERNATE POWER SOURCE

3/17/89
 PAGE 3

NORMAL POWER SOURCE

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
1DCB 1A 1	FDBKR	125 VDC CONTROL PWR BUS 1DCB AND 1DCA TIE BKR	125 VDC CONTROL POWER DISTRIBUTION CENTER ONE-LINE DNG NO F4059 BLDG AB ELEV 796+00 COORD LOC P-26	125 DC	0.00 000000	0-759-B	
1DCB 1B 1	FDBKR	CONTROL BATTERY CHARGER ICB		125 DC	0.00 000000	0-759-E	
1DCB 2A 1	FDBKR	CONTROL BATTERY ICB		125 DC	0.00 000000	0-705	
1DCB 2B 1	FDBKR	STAND-BY CONTROL BATTERY CHARGER		125 DC	0.00 000000	0-759-E	
1DCB 3A 1	FDBKR	INST AND CNTRL PWR PNL 1D1C		125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADD
1DCB 3B 1	FDBKR	INST AND CNTRL PWR PNL 1D1D		125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADD
1DCB 3C 3	FDBKR	INST AND CNTRL PWR PNL 3D1B		125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADB
1DCB 3D 3	FDBKR	INST AND CNTRL PWR PNL 3D1D		125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADD
1DCB 3E 1	FDBKR	INTERGRADED CNTRL SYS INVERTER 1KI		125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADF
1DCB 3F 1	FDBKR	AUX POWER SYSTEM INVERTER 1KX		125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADG
1DCB 4B 1	FDBKR	COMPUTER SYSTEM INVERTER 1KU		125 DC	0.00 000000	0-759-F	ISOL TRANSFER DIODE 1ADE

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR
 3/17/89
 PAGE 4

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITIF	BLDG AB	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
1DCB 4C 1	BKR		125VDC CONTROL POWER DISTRIBUTION CENTER ONE-LINE DHG NO F4059 BLDG AB ELEV 796+00	125 DC	0.00 000000		
1DCB 4D 1	BKR			125 DC	0.00 000000		
1DCB 4EB 1	BKR			125 DC	0.00 000000		
1DCB 4ET 1	BKR			125 DC	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GREY
 3/17/89
 PAGE 5

NORMAL POWER SOURCE
 101A 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 813+3

ALTERNATE POWER SOURCE
 1KRA 03

COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NDA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
IKVIA 01 1	FDBKR	NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM 1A		120	0.00 000000	0-781	
IKVIA 02 1	FDBKR	ENGINEERED SAFEGDS INSTRUMENTATION SYSTEM NO. 1A		120	0.00 000000	0-757-K	
IKVIA 03 1	FDBKR	POST BORON DILUTION FLOW SENSOR NO 1B		120	0.05 000000	0-714-H1 0EE-152-26	
IKVIA 04 1	FDBKR	RC SAMPLE ISOL VLV		120	0.50 000000	0-735 0EE-162-5	
SOL VLV FOR VLV IRC 165							
IKVIA 05 1	FDBKR	CONTAINMENT SUMP LEVEL		120	0.00 000000	0-722-B 0EE-158-23	
LEVEL XMTR 1LT3P							
RECORDER 1CR395							
LEVEL XMTR 1LT120							
IKVIA 06 1	FDBKR	INCORE REFUELING RECEPTACLE A		120	1.50 000000	0-767-A20	
IKVIA 07 1	FDBKR	REACTOR COOLANT PUMP A POWER MONITOR		120	1.00 000000	0-719	
RCP A POWER MONITOR RELAY CKT							
IKVIA 08 1	BKR	SPARE		120	0.00 000000	0M-311-235 SH1	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GREY
 3/17/89
 PAGE 6

NORMAL POWER SOURCE
 101A 33

ALTERNATE POWER SOURCE
 1KRA 03

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F-6059
 BLDG AUX ELEV 813+3 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
1K VIA 09 1	FDBKR	BERON DILUTION VALVES 1LP104 INDICATION		120	0.10 000000	Ø-752-A16 ØEE-152-24	
A	FUSE FU 1XSI	VLV 1LP104 INDICA- TION		120	0.10 000000	Ø-752-A16 ØEE-152-24	
1K VIA 10 1	FDBKR	REACTOR BLDG EVACUATION ALARM		120	0.37 000000	Ø-714-L ØEE-23-1	
R. B. EVAC ALARM RELAY CKT							
1K VIA 11 1	FDBKR	ISOLATING TRANSFER DIODE NO. 1ADA		120	0.00 000000	Ø-759-F	
1K VIA 12 1	FDBKR	CRD PRIMARY TRIP BREAKER ASSY UNIT NO. 10		120	0.00 000000	Ø-782-M	
1K VIA 13 1	FDBKR	SAFETY VLV MONITOR		120	0.00 000000	Ø-714-M	
PRESSURIZER VLV MONITOR							
1K VIA 14 1	FDBKR	CONTROL ROD DRIVE CAB SL2 CIRCUIT BREAKER CB2		120	0.00 000000	Ø-782	
1K VIA 15 1	FDBKR	PROCESS RADIATION MONITORING UNITS 1 AND 2		120	0.00 000000	Ø-714-J	
A	SLTB BEI 1VB3	RADIATION MONITOR- ING RECORDER AND SOL VLV3		120	0.00 000000	Ø-714-J	

RECORDER R6

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

D U K E P O W E R C O M P A N Y
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

SAFETY CLASS 1E
SAFETY COLOR GREY
ALTERNATE POWER SOURCE
IKRA 03

PAGE 7

3/17/89

NORMAL POWER SOURCE
101A 33

120 VAC VITAL INSTR
POWER PANELBOARD
ONE-LINE DIAG NO F4059
BLDG AUX ELEV 813+3

COORD LOC P-72

BUS
COMPT
UNIT

TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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SOL VLV SV 01					0-795-C	
SOL VLV SV 02					0-795-C	
SOL VLV SV 03					0-795-C	
SOL VLV SV 04					0-795-C	
SOL VLV SV 05					0-795-C	
SOL VLV SV 06					0-795-C	
SOL VLV SV 07					0-795-C	
SOL VLV SV 08					0-795-C	
SOL VLV SV 95					0-795-C	
SOL VLV SV 96					0-795-C	
SOL VLV SV 97					0-795-C	
SOL VLV SV 98					0-795-C	

B
SLTB
BE3
1VB3

RADIATION MONITOR-
ING RECORDER AND
SOL VLVS

1 120 0.00
000000

RECORDER R7

SOL VLV SV 09					0-714-J	
SOL VLV SV 10					0-795-C	
SOL VLV SV 11					0-795-C	
SOL VLV SV 12					0-795-C	
SOL VLV SV 13					0-795-C	
SOL VLV SV 14					0-795-C	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GREY
 ALTERNATE POWER SOURCE
 1KRA 03

3/17/89
 PAGE 8

NORMAL POWER SOURCE
 IDIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 813+3

COORD LOC P-72

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION
 D/P M/D
 D/P ELEM
 DEVICE ELEM
 COMMENTS

SOL VLV SV 15
 SOL VLV SV 16
 SOL VLV SV 17
 SOL VLV SV 18
 SOL VLV SV 19
 SOL VLV SV 20

0-795-C
 0-795-C
 0-795-C
 0-795-C
 0-795-C
 0-795-C
 0-714-J

C SLTB
 BE5
 1VB3

RADIATION MONITOR-
 ING RECORDER

1 120 0.00
 000000

RECORDER R6

D SLTB
 BE7
 1VB3

RADIATION MONITOR-
 ING TREND

1 120 0.00
 000000

RADIATION MONITOR TREND R9

E SLTB
 BE9
 1VB3

RADIATION MONITOR-
 ING TREND

1 120 0.00
 000000

RADIATION MONITOR TREND R10

F FUSE
 BE13
 1'B3

RADIATION MONITOR-
 ING

1 120 0.00
 000000

RADIATION MONITOR RIA31

G FUSE
 BE14
 1VB3

RADIATION MONITOR-
 ING

1 120 0.00
 000000

RADIATION MONITOR CALIBRATION UNIT

0-714-J

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D J K E P O M E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GREY
 ALTERNATE POWER SOURCE
 IKRA 03

3/17/69
 PAGE 9

NORMAL POWER SOURCE
 IDIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 813+3

COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NDA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
H	FUSE BE15 1VB3		RADIATION MONITOR- ING	1 120	0.00 000000	0-714-J	
I	FUSE BE16 1VB3		RADIATION MONITOR RIA32 RADIATION MONITOR- ING	1 120	0.00 000000	0-714-J 0-714-J	
J	FUSE BE17 1VB3		RADIATION MONITOR RIA33 RADIATION MONITOR RIA34 RECORDER R12 RADIATION MONITOR- ING	1 120	0.00 000000	0-714-H1 0-714-H1 0-714-H1 0-714-J	
K	FUSE BE18 1VB3		RADIATION MONITOR RIA56 POWER SUPPLY RELAY CKT RADIATION MONITOR- ING	1 120	0.00 000000	0-714-H1 0EE-160-66 0-714-J	
L	FUSE BE19 1VB3		RADIATION MONITOR RIA35 RADIATION MONITOR- ING	1 120	0.00 000000	0-714-J 0-714-J	
M	FUSE BE20 1VB3		RADIATION MONITOR RIA36 RADIATION MONITOR- ING	1 120	0.00 000000	0-714-J 0-714-J	
			RADIATION MONITOR RIA37	1 120	0.00 000000	0-714-J	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GREY
 3/17/89
 PAGE 10

NORMAL POWER SOURCE
 IDIA 33

120 VAC VITAL IN-TP
 POWER PANELBOARD
 ONE-LINE DHG NO F4059

ALTERNATE POWER SOURCE
 1KRA 03

BLDG AUX ELEV 813+3 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PY D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
N	FUSE BE21 1VB3	RADIATION MONITOR ING	RADIATION MONITOR-	1 120	0.00 000000	0-714-J	
Ø	FUSE BE22 1VB3	RADIATION MONITOR ING	RADIATION MONITOR-	1 120	0.00 000000	0-714-J	
P	FUSE BE23 1VB3	RADIATION MONITOR ING	RADIATION MONITOR-	1 120	0.00 000000	0-714-J	
Q	FUSE BE24 1VB3	RADIATION MONITOR ING	RADIATION MONITOR-	1 120	0.00 000000	0-714-J	
R	FUSE BE25 1VB3	RADIATION MONITOR ING	RADIATION MONITOR-	1 120	0.00 000000	0-714-J	
S	FUSE BE26 1VB3	RADIATION MONITOR ING	RADIATION MONITOR-	1 120	0.00 000000	0-714-J	
T	FUSE BE27 1VB3	RADIATION MONITOR ING	RADIATION MONITOR-	1 120	0.00 000000	0-714-J	

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GREY
 ALTERNATE POWER SOURCE
 IKRA 03

3/17/89
 PAGE 11

NORMAL POWER SOURCE
 IDIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 813+5 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
U	FUSE BE28 1VB3		RADIATION MONITOR - ING	120	0.00 000000	0-714-J	
V	FUSE BE29 1VB3		RADIATION MONITOR RIA45 ING	120	0.00 000000	0-714-J	
W	FUSE BE30 1VB3		RADIATION MONITOR RIA46 ING	120	0.00 000000	0-714-J	
X	FUSE BE31 1VB3		RADIATION MONITOR RIA47 ING	120	0.00 000000	0-714-J	
Y	FUSE BE32 1VB3		RADIATION MONITOR RIA48 ING	120	0.00 000000	0-714-J	
Z	FUSE BE33 1VB3		RADIATION MONITOR RIA49 ING	120	0.00 000000	0-714-J	
0	FUSE BE34 1VB3		RADIATION MONITOR RIA50 ING	120	0.00 000000	0-714-J	
			RADIATION MONITOR RIA51 ING	120	0.00 000000	0-714-J	

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GREY
 ALTERNATE POWER SOURCE
 1KRA 03

PAGE 32

3/17/89

NORMAL POWER SOURCE
 101A 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 813+3

COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVI CE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/F ELEM DEVICE ELEM	COMMENTS
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1	FUSE BE35 1VB3		RADIATION MONITOR - ING	120	0.00 000000	0-714-J	
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2	FUSE BE36 1VB3		RADIATION MONITOR RIA52 ING	120	0.00 000000	0-714-J	
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			RADIATION MONITOR RIA56 SIGNAL ISOLATOR			0EE-158-22 0EE-158-22	
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1K1A 16 1	BKR		SPARE	120	0.00 000000		
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1K1A 17 1	BKR		SPARE	120	0.00 000000		
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1K1A 18 1	BKR		SPARE	120	0.00 000000		
-----------------	-----	--	-------	-----	----------------	--	--

1K1A 19 1	BKR		SPARE	120	0.00 000000		
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 13

3/17/89

NORMAL POWER SOURCE
 IDIB 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3

ALTERNATE POWER SOURCE
 IKRA 04

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DESCRIPTIION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
1KVIB 01 1	FDBKR		NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM IB	120	0.00 000000	0-781-A	
1KVIB 02 1	FDBKR		ENGINEERED SAFEGOS INSTRUMENTATION SYSTEM NO. 1B	120	0.00 000000	0-757-K	
1KVIB 03 1	FDBKR		POST BORON DILUTION FLOW SENSOR 1A	120	0.00 000000	0-714-H1 0EE-152-26	
1KVIB 04 1	FDBKR		RB SUMP LEVEL XMTRS	120	0.00 000000	0-722-B 0EE-158-25	
		LEVEL XMTR 1LT112				0EE-158-25	
		LEVEL XMTR 1LT113				0EE-158-26	
1KVIB 05 1	FDBKR		INCORE REFUELING RECEPTACLE B	120	0.00 000000	0-767-A21	
1KVIB 06 1	FDBKR		STM GEN LEVEL CNTRL CAB SGLC1	120	0.00 000000	0-778	
1KVIB 07 1	FDBKR		REACTOR COOLANT PUMP B POWER MONITOR	120	1.00 000000	0-719	
1KVIB 08 1	FDBKR		P. A. SYSTEM HANDSET STATION NO. CKHS1	120	0.00 000000	K-860	
1KVIB 09 1	FDBKR		STEAM GENERATOR EMERGENCY FEEDWTR FLOW CABINET NO. 1B	120	0.00 000000	0-779-A	

FLOW XMTR 1FT129 CURRENT LOOP

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 14

3/17/89

NORMAL POWER SOURCE
 IDIB 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 IKRA 04

BLDG AUX ELEV 811*3 COORD LOC Q-72

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
FLOW XMTR IFT130 CURRENT LOOP							
A	SLTB L	STM GEN FDM FLOW		120	0.00	0-779-A	
	SGFHC1B			1	000000	0-779-A	

IKVIB 10 1	FDBKR	BORON DILUTION VALVE I1P105 INDICA- TION		120	0.10	0-752-A19 0EE-152-25	
A	FUSE BZ11 1XS2-F3D	VLV I1P105 INDICA- TION		120	0.00	0-752-A19 0EE-152-25	
	BKR	SPARE		120	0.00		
				1	000000		

IKVIB 12 1	FDBKR	ISOLATING TRANSFER DIODE NO. 1ADB		120	0.00	0-759-F	
	BKR	SPARE		120	0.00		
				1	000000		

IKVIB 14 1	FDBKR	RC SAMPLE ISOL VLVS		120	1.00	0-711-H 0EE-162-4 & 162-5	
		SOL VLV IRC162				0EE-162-4	
		SOL VLV IRC164				0EE-162-5	

IKVIB 15 1	BKR	SPARE		120	0.00		
				1	000000		

IKVIB 16 1	BKR	SPARE		120	0.00		
				1	000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 15

3/17/89
 15

NORMAL POWER SOURCE
 101B 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 1KRA 04

BLDG AUX ELEV 811+3 COORD LOC Q-72

B/S COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
1KVB 17 1	BKR	SPARE		120 1	0.00 000000		
1KVB 18 1	BKR	SPARE		120 1	0.00 000000		
1KVB 19 1	BKR	SPARE		120 1	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 16

NORMAL POWER SOURCE
 IDIC 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LY-DC DMG NO F4059
 BLDG AUX ELEV 011

ALTERNATE POWER SOURCE
 IKRA 05

BUS CMT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
IKVIC 01 1	FDBKR		NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM IC	120	0.00 000000	0-781-B	
IKVIC 02 1	FDBKR		ENGINEERED SAFEGDS INSTRUMENTATION SYSTEM NO. IC	120	0.00 000000	0-757-K	
IKVIC 03 1	FDBKR		TURBINE STOP VALVE TEST SOLENOIDS	120	2.00 000000	0-772-G 0EE-121-45	
		SOL VLV 20-SV1T				0EE-121-45	
		SOL VLV 20-SV2T				0EE-121-45	
		SOL VLV 20-SV3T				0EE-121-45	
		SOL VLV 20-SV4T				0EE-121-45	
IKVIC 04 1	FDBKR		REACTOR COOLANT PUMP C POWER MONITOR	120	1.00 000000	0-719	
IKVIC 05 1			SPARE	120	0.00 000000		
IKVIC 06 1	FDBKR		STM GEN LEVEL CNTRL CAB SELC1	120	0.00 000000	0-778	
A	PNLBKR CB5 SGLC1		STM GEN LEVEL CNTRL CAB	120	0.00 000000	0-778	
IKVIC 07 1	FDBKR		MANUAL LOADER 1HP1ML0064	120	0.00 000000	0-766-E 0EE-151-47	

FLOW MTR 1HP1FT0185 CKT

NORMAL POWER SOURCE IDIC 33
 ALTERNATE POWER SOURCE 1KRA 05

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DHG NO F4059
 BLDG AUX ELEV 811
 COORD LOC QA-72

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

FLOW XMTR IHPIFT0186 CKT OEE-151-47

IKVIC 08
 1
 BKR
 SPARE
 1 120 0.00
 000000

IKVIC 09
 1
 FDBKR
 STEAM GENERATOR
 EMERGENCY FEEDWTR
 FLOW CABINET 1A
 0-779-A
 1 120 0.00
 000000

A
 SLTB
 L
 SGFWC1A
 STM GEN FDM FLOW
 0-779-A
 1 120 0.00
 000000

FLOW XMTR IFT153 CURRENT LOOP
 0-779-A

FLOW XMTR IFT154 CURRENT LOOP
 0-779-A

IKVIC 10
 1
 BKR
 SPARE
 1 120 0.00
 000000

IKVIC 11
 1
 FDBKR
 ISOLATING TRANSFER
 DIODE 1ADC
 0-759-F
 1 120 0.00
 000000

IKVIC 12
 1
 FDBKR
 CRC PRIMARY TRIP
 BREAKER ASSY UNIT
 NO. 11
 0-782-M
 1 120 0.00
 000000

IKVIC 13
 1
 FDBKR
 H P INJECTION FLOW
 TRANSMITTERS
 0-766-E
 1 120 0.00
 000000

FLOW XMTR IFT159 CURRENT LOOP
 OEE-151-33A

FLOW XMTR IFT160 CURRENT LOOP
 OEE-151-33A

IKVIC 14
 1
 FDBKR
 REACTOR COOLANT
 SAMPLE ISOL VLV
 IRC-163
 0-711-H
 1 120 0.50
 000000

FLOW XMTR IFT162-4
 OEE-162-4

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1F
 SAFETY COLOR BLUE
 3/17/89
 PAGE 18

NORMAL POWER SOURCE
 IDIC 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 3KRA 05

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE D/DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
			SOL VLV IRC163				
1KVIC 15 1	BKR	SPARE		120	0.00		
1KVIC 16 1	BKR	SPARE		120	0.00		
1KVIC 17 1	BKR	SPARE		120	0.00		
1KVIC 18 1	BKR	SPARE		120	0.00		
1KVIC 19 1	BKR	SPARE		120	0.00		

0EE-162-4

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

DUKE POWER COMPANY
CONNEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

IDIA	125 VDC INSTRUMENTATION POWER PANELBOARD
IDIB	125 VDC INSTRUMENTATION POWER PANELBOARD
IDIC	125 VDC INSTRUMENTATION POWER PANELBOARD
IDID	125 VDC INSTRUMENTATION POWER PANELBOARD
IKVID	120 VAC VITAL INSTR POWER PANELBOARD

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 KEONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 2DCA 3A

3/17/89
 PAGE 1

NORMAL POWER SOURCE
 IDCA 3A

IDIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

RUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VGLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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01	FDBKR	TRANSFORMER CT4 MULTIPLYRE		DC	0.50 0000000	0-762 OEE-133	
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DELUGE VLV SOL VLV ISV163

POWER AVAILABLE LIGHT

OEE-133
 OEE-133

02	FDBKR	KEONEE-EMERGENCY STARTUP CHANNEL A		DC	0.40 0000000	0-753-L OEE-120	
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CH A KEONEE EMERG STARTUP RELAY NETWORK

OEE-120

03	FDBKR	600V LOAD CENTER 1X8		DC	0.00 0000000	0-754-C OEE-116-1	
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A	PNLBRK LF 1XB	125 VDC FDBKR FOR 600 VAC LOAD CTR 1X8		DC	0.00 0000000	OM-303-24 OEE-116-1	
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B	FUSE LA 1XB	RELAY NO. 27X CKT		DC	0.00 0000000	OM-303-24 OEE-116-1	
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C	FUSE LB 1XB	RELAY NO. 27X1 & 27X2 CKT		DC	0.00 0000000	OM-303-24 OEE-116-1	
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D	FUSE LC 1XB	RELAY NO. 27X3 CKT		DC	0.00 0000000	OM-303-24 OEE-116-1	
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E	FUSE LD 1XB	RELAY NO. 27X4 CKT		DC	0.00 0000000	OM-303-24 OEE-116-1	
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F	POTB 4EA 1XB	CLOSE AND TRIP CKT FOR BKR NO. 4A		DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 2DCA 3A

3/17/89
 PAGE 2

NORMAL POWER SOURCE
 1DCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
G	FUSE 4EB 1XB		CLOSING CKT FOR BKR NO. 4A	125 DC	0.00 0000000	OM-303-24 OM-303-16	
H	POFB 4EE 1XB		CLOSE AND TRIP CKT FOR BKR NO. 4C	125 DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 1XB		CLOSING CKT FOR BKR NO. 4C	125 DC	0.00 0000000	OM-303-24 OM-303-16	
J	POFB 4EG 1XB		CLOSE AND TRIP CKT FOR BKR NO. 4D	125 DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
K	FUSE 4EH 1XB		CLOSING CKT FOR BKR NO. 4D	125 DC	0.00 0000000	OM-303-24 OM-303-16	BREAKER REMOVED
L	POFB 5EA 1XB		CLOSE AND TRIP CKT FOR BKR NO. 5A	125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 1XB		CLOSING CKT FOR BKR NO. 5A	125 DC	0.00 0000000	OM-303-24 OEE-116-5	
N	POFB 5EC 1XB		CLOSE AND TRIP CKT FOR BKR NO. 5B	125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED
O	FUSE 5ED 1XB		CLOSING CKT FOR BKR NO. 5B	125 DC	0.00 0000000	OM-303-24 OEE-116-5	
P	POFB 5EE 1XB		CLOSE AND TRIP CKT FOR BKR NO. 5C	125 DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
Q	FUSE 5EF 1XB		CLOSING CKT FOR BKR NO. 5C	125 DC	0.00 0000000	OM-303-24 OM-303-16	SPARE BREAKER

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 PAGE 3/17/89 3

ALTERNATE POWER SOURCE
 2DCA 3A

NORMAL POWER SOURCE
 1DCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

COMMENTS

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS FLA
 PHASE NGA

D/P W/D
 D/P ELEM
 DEVICE ELEM

R POFB
 5EG
 1X8

S FUSE
 5EH
 1X8

T POFB
 6EA
 1X8

U FUSE
 6EB
 1X8

V POFB
 6EC
 1X8

W FUSE
 6ED
 1X8

X POFB
 6EE
 1X8

Y FUSE
 6EF
 1X8

Z POFB
 6EG
 1X8

I FUSE
 6EH
 1X8

IDIA
 04
 1

FDBKR

125 0.00
 DC

CLOSE AND TRIP CKT
 FOR BKR NO. 5D

CLOSING CKT FOR
 BKR NO. 5D

CLOSE AND TRIP CKT
 FOR BKR NO. 6A

CLOSING CKT FOR
 BKR NO. 6A

CLOSE AND TRIP CKT
 FOR BKR NO. 6B

CLOSING CKT FOR
 BKR NO. 6B

CLOSE AND TRIP CKT
 FOR BKR NO. 6C

CLOSING CKT FOR
 BKR NO. 6C

CLOSE AND TRIP CKT
 FOR BKR NO. 6D

CLOSING CKT FOR
 BKR NO. 6D

OM-303-24
 OM-303-16

OM-303-24
 OM-303-16

OM-303-24
 OEE-116-5

OM-303-24
 OEE-116-5

OM-303-24
 OM-303-16

OM-303-24
 OM-303-16

OM-303-24
 OEE-116-5

OM-303-24
 OEE-116-5

OM-303-24
 OM-303-16

OM-303-24
 OM-303-16

PULL OFF FUSE BLOCK
 SLUGGED BKR REMOVED

BREAKER REMOVED

PULL OFF FUSE BLOCK
 SLUGGED

PULL OFF FUSE BLOCK
 SLUGGED SPARE BKR

SPARE BREAKER

PULL OFF FUSE BLOCK
 SLUGGED

PULL OFF FUSE BLOCK
 SLUGGED SPARE BKR

SPARE BREAKER

0-753-B
 OEE-117-92-0C

OTSI EMERG PWR
 SWITCHING LOGIC

125 0.10
 DC

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCA 3A

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA MCA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
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OTSI EMERG PWR SWITCHING RELAY

IDIA 05 1	FDBKR	MAIN FEEDER BUS MONITOR RELAY PANEL IMFBMRP		125 DC	0.32 0000000	0-777 0EE-117-1S	
A	SLTB IMIAP IMFBMRP	MAIN FEEDER BUS MONITOR UV LOGIC CH. 1		125 DC	0.00 0000000	0-777 0EE-117-1S	

IDIA 06 1	FDBKR	ELECTRO-HYDRAULIC TERMINAL CABINET		125 DC	0.36 0000000	0-771 0EE-121-40	
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TURBINE CNTRLS EHC ALARM RELAY NETWORK

A	SLTB EHTC1 EHC	FMP1 TRIP AUX RELAY		125 DC	0.00 0000000	0-771 0EE-121-40	
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IDIA 07 1	FDBKR	ELECTRO-HYDRAULIC CONTRCL CABINET		125 DC	0.00 0000000	0-771-A 0EE-121-5	
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A	SWITCH S2 EHC	TURB CNTRLS AUX TRIP CKT		125 DC	0.00 0000000	0-771 0EE-121-5 TO 121-7	
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IDIA 08 1	FDBKR	LOCKOUT FOR TRANSFORMER CT1 (1EB2)		125 DC	0.00 0000000	0-715-L 0EE-71	
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A	SLTB CT1P 1EB2	LOCKOUT FOR XFMR CT1		125 DC	0.00 0000000	0-715-L 0EE-71	
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TRANSF CT1 RELAY NETWORK

IDIA 09 1	FDBKR	LOCKOUT FOR TRANSFORMER CT4 (1EB1)		125 DC	0.00 0000000	0-715-L 0EE-78	
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LIST NUMBER 06A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 ZDCA 3A

3/17/89
 PAGE 5

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

VOLTS FLA D/P W/D
 PHASE NOA D/P ELEM
 DEVICE ELEM

BUS COMPT UNIT TYPE UNIT LOAD TITLE
 D/P LOC D/P LOC BRANCH TITLE

A SLTB CT4P 1EB1 LOCKOUT FOR XFMR CT4

125 0.00 000000
 DC

0-715-L
 OEE-78

TRANSF CT4 RELAY NETWORK

IDIA FDBKR AUTO-SYNCHRONIZER DC (1EB3)

125 0.00 000000
 DC

0-715-K
 OEE-112-2

A SLTB ASP 1EB3 AUTO SYNC DC CKTS

125 0.00 000000
 DC

0-715-L
 OEE-112-2

AUTO SYNC DC CKT RELAY NET WORK

OEE-112-2

IDIA FDBKR KEOMEE-OCONEE INTERFACE CHAN. A

125 1.00 000000
 DC

0-799-A
 OEE-114

A SLTB 1KCP KOICA KEOMEE-OCONEE INTERFACE CH. A

125 0.00 000000
 DC

0-799-A
 OEE-114

KEOMEE-OCONEE INDICATING LIGHTS

KEOMEE-OCONEE REMOTE CNTRL RELAYS

OEE-114 THRU 114-2

KEE-117 THRU 117-3

IDIA FDBKR CRD AC BKR TRIP CKT UNIT 10 CH A

125 0.00 000000
 DC

0-782-M
 OEE-139-01

LOSS OF PWR RELAY

UNIT 10 SHUNT TRIP

OEE-139-01

OEE-139-01

IDIA FDBKR NORMAL UNDERVOLT-AGE TRANSFER CHANNEL A

125 0.63 000000
 DC

0-753-A
 OEE-117-1B

A SLTB NAP 1EPSLPI NORMAL UV TRANSFER CH. A

125 0.00 000000
 DC

0-753-A
 OEE0117-1B

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 2DCA 3A

PAGE 6
 3/17/89

NORMAL POWER SOURCE
 1DCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

BUS CC/PT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA NDA D/P M/D D/P ELEM DEVICE ELEM COMMENTS

NORMAL VOLTAGE PH. A RELAYS

1DIA 14 1 FDBKR STARTUP UNDERVOLT-AGE TRANSFER CHANNEL A DC 125 0.84 000000 0-753-D OEE-117-1E
 A SLTB STARTUP UV XFER CH. A DC 125 0.00 000000 0-753-C OEE-117-1E
 1EPSLPI

STARTUP UNDERVOLTAGE TRANSFER RELAYS

1DIA 15 1 FDBKR LOAD SHEDDING CHANNEL A DC 125 1.69 000000 0-753-B OEE-117-1H

LOAD SHEDDING RELAYS

1DIA 16 1 BKR SPARE DC 125 0.00 000000 0-753-B OEE-117-1H

1DIA 17 1 FDBKR BATTERY TEST CONTROL BOX STATION DC 125 0.00 000000 0-759-G

1DIA 18 1 FDBKR 6900V SWITCHGEAR 1TB (TRIP) DC 125 27.30 000000 0-751-H OEE-117-38A

A PNLBKR 7 KV SWITCHGEAR 1TB TRIP DC 125 27.30 000000 0-751-H OEE-117-38A

B FUSE 7 KV SWITCHGEAR 1TB TRIP DC 125 6.70 000000 OM-302-56 OEE-117-38A

C FUSE 7KV BKR TRIP CKT UNIT 5 1TB TRIP DC 125 7.20 000000 OEE-117-38A OM-302-54 OEE-117-35A

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

DUKE POWER COMPANY
 CONNIE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IF 3/17/89
 SAFETY COLOR GRAY PAGE 7

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV #10 COORD LOC P-72

ALTERNATE POWER SOURCE
 2DCA 3A

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS FLA
 PHASE NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

0EE-117-35A

7KV BKR TRIP CKT UNIT 2

0EE-117-34

0EE-117-34

7 KV SWITCHGEAR
 1TB TRIP

OM-302-49
 0EE-117-36

OM-302-49
 0EE-117-36

7KV BKR TRIP CKT UNIT 3

0EE-117-36

0EE-117-36

7 KV SWITCHGEAR
 1TB TRIP

OM-302-50
 0EE-117-37

OM-302-50
 0EE-117-37

7KV BKR TRIP CKT UNIT 4

0EE-117-37

0EE-117-37

IDIA 19
 1
 FDBKR
 CONDENSOR CIRCULAT
 -ING WATER & VAC-
 UUM PRIMING IMTC1

125 3.00
 DC 000000

0-766-B
 0EE-136-1

A
 SLTB
 IDIA19
 IMTC1
 COND CIRC WATER
 SYS NORM AND EMERG

125 0.00
 DC 000000

0-766-B
 0EE-136-1

COND CIRC WATER SYS EMERG CNTRL RELAYS

0EE-136-1 TO 136-3

SOL VLV 1SV54

0EE-136-2

SOL VLV 1SV55

0EE-136-2

SOL VLV 1SV56

0EE-136-2

SOL VLV 1SV57

0EE-136-2

IDIA 20
 1
 FDBKR
 CONDENSATE DC
 INTERLOCKS

125 2.40
 DC 000000

0-766-C
 0EE-145-A,B

A
 SLTB
 DIAP20
 IMTC2
 COND DC INTERLOCKS

125 0.00
 DC 000000

0-766-C
 0EE-145-A

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T M E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE GRAY PAGE 3/17/89 8
 SAFETY COLOR GRAY

NORMAL POWER SOURCE
 IDCA 3A

IDIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 ZDCA 3A

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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COND DC INTERLOCK RELAYS

OEE-145-A & B

IDIA 21 1	FDBKR		TRANSFORMER CT5 MULSIFYRE	DC 125	0.50 000000	O-762 OEE-133	
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A	SLTB P TB174		XFMR CT5 MULSIFYRE	DC 125	0.00 000000	O-762 OEE-133	
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DELUGE VLV SOL VLV ISV162

OEE-133

IDIA 22 1	FDBKR		TRANSFORMER 1, 1T, & CT1 MULSIFYRE	DC 125	1.50 000000	O-762 OEE-133	
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A	SLTB P1 TB171		XFMR 1 MULSIFYRE	DC 125	0.50 000000	O-762 OEE-133	
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DELUGE VLV SOL VLV ISV159

OEE-133

B	SLTB P2 TB171		XFMR 1T MULSIFYRE	DC 125	0.50 000000	O-762 OEE-133	
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DELUGE VLV SOL VLV ISV160

OEE-133

C	SLTB P3 TB171		XFMR CT1 MULSIFYRE	DC 125	0.50 000000	O-762 OEE-133	
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DELUGE VLV SOL VLV ISV161

OEE-133

IDIA 23 1	BKR		SPARE	DC 125	0.00 000000		
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IDIA 24 1	FDBKR		CONTROL ROD DRIVE PRIMARY TRIP BREAKER ASSEMBLY	DC 125	0.00 000000	O-782-F OEE-159-01	
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 ZDCA 3A

BLDG AUX ELEV 810 COORD LOC P-72

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NGA

DC 125 0.00
 DC 125 0.00
 DC 125 10.00
 DC 125 0.00
 DC 125 0.20
 DC 125 10.00
 DC 125 10.00
 DC 125 0.00

0-751-A
 OEE-117-39 TØ 53
 0-751-A
 OEE-117-39
 OM-302-84
 OEE-117-39
 OEE-117-39
 OM-302-84
 OEE-117-40
 OEE-117-40
 0-751-A
 OEE-117-40
 OEE-117-40
 OM-302-86 SHT 1
 OEE-117-41
 OEE-117-41
 OM-302-87 SHT 1
 OEE-117-42
 OEE-117-42
 OM-302-88
 OEE-117-43

4160V SWITCHGEAR
 ITC (CLOSE-TRIP)
 UNIT 1
 4 KV SWITCHGEAR
 ITC CLOSE-TRIP
 SOURCE A
 4 KV SWITCHGEAR
 ITC CLOSE-TRIP
 4KV BKR CLOSE & TRIP CKT UNIT 1
 4 KV SWITCHGEAR
 ITC CLOSE-TRIP
 LOAD SHED
 4KV BKR CLOSE & TRIP CKT UNIT 2
 LOAD SHED RELAY CKT
 4 KV SWITCHGEAR
 ITC CLOSE-TRIP
 4KV BKR CLOSE & TRIP CKT UNIT 3
 4 KV SWITCHGEAR
 ITC CLOSE-TRIP
 4KV BKR CLOSE & TRIP CKT UNIT 4
 4 KV SWITCHGEAR
 ITC CLOSE-TRIP

FDBKR
 PNLBKR
 AM
 ITC
 FUSE
 AY
 ITC1
 FUSE
 AY
 ITC2
 FUSE
 F1
 ITC
 FUSE
 AY
 ITC3
 FUSE
 AY
 ITC4
 FUSE
 AY
 ITC5

IDIA
 25
 1
 A
 B
 C
 D
 E
 F
 G

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89
 PAGE 10

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
 2DCA 3A

COMMENTS

BUS UNIT
 COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LGAD TITLE
 BRANCH TITLE
 VOLTS
 FLA
 PHASE
 NDA

DEVICE DESCRIPTION

D/P M/D
 D/P ELEM
 DEVICE ELEM

BUS UNIT	COMPT UNIT	TYPE UNIT	DIST PT	D/P LOC	LGAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	FLA	NDA	D/P M/D	D/P ELEM	DEVICE ELEM	COMMENTS
							4KV BKR CLOSE & TRIP CKT UNIT 5	125	10.00	DC				
H		FUSE	AY	1TC6			4 KV SWITCHGEAR 1TC CLOSE-TRIP	DC	000000					OEE-117-43 OM-302-88 OEE-117-44
I		FUSE	AY	1TC7			4KV BKR CLOSE & TRIP CKT UNIT 6	125	10.00	DC				
		FUSE	AY	1TC7			4 KV SWITCHGEAR 1TC CLOSE-TRIP	DC	000000					OEE-117-44 OM-302-89 OEE-117-45
J		FUSE	AY	1TC8			4KV BKR CLOSE & TRIP CKT UNIT 7	125	10.00	DC				
		FUSE	AY	1TC8			4 KV SWITCHGEAR 1TC CLOSE-TRIP	DC	000000					OEE-117-45 OM-302-87 SHT 2 OEE-117-46
K		FUSE	AY	1TC9			4KV BKR CLOSE-TRIP CKT UNIT 8	125	10.12	DC				
		FUSE	AY	1TC9			4 KV SWITCHGEAR 1TC CLOSE-TRIP	DC	000000					OEE-117-46 OM-302-86 SHT 2 OEE-117-47
L		FUSE	AY	1TC10			4KV BKR CLOSE-TRIP CKT UNIT 9	125	10.20	DC				
		FUSE	AY	1TC10			4 KV SWITCHGEAR 1TC CLOSE-TRIP	DC	000000					OEE-117-47 OM-302-86 SHT 2 OEE-117-48
M		FUSE	AY	1TC11			4KV BKR CLOSE-TRIP CKT UNIT 10	125	10.20	DC				
		FUSE	AY	1TC11			4 KV SWITCHGEAR 1TC CLOSE-TRIP	DC	000000					OEE-117-48 OM-302-86 SHT 2 OEE-117-49
N		FUSE	AY	1TC12			4KV BKR CLOSE-TRIP CKT UNIT 11	125	10.35	DC				
		FUSE	AY	1TC12			4 KV SWITCHGEAR 1TC CLOSE-TRIP	DC	000000					OEE-117-49 OM-303-87 SHT 1 OEE-117-50

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O R T H E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 PAGE 11
 3/17/89

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
 20CA 3A

BLDG AUX ELEV 810 COORD LOC P-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM
0	FUSE AY 1TC13	4KV BKR CLOSE-TRIP CKT UNIT 12	4 KV SWITCHGEAR 1TC CLOSE-TRIP	125 DC	10.00 000000	0EE-117-50 OM-302-87 SHT 1 0EE-117-51
P	FUSE AY 1TC14	4KV BKR CLOSE-TRIP CKT UNIT 13	4 KV SWITCHGEAR 1TC CLOSE-TRIP	125 DC	10.00 000000	0EE-117-51 OM-303-90 0EE-117-52
Q	FUSE AY 1TC15	4KV BKR CLOSE-TRIP CKT UNIT 14	4 KV SWITCHGEAR 1TC CLOSE-TRIP	125 DC	10.00 000000	0EE-117-52 OM-302-86 SHT 1 0EE-117-53

IDIA 26 1	FDBKR	4160V SWITCHGEAR BIT (1-4) (CLOSE-TRIP)	4KV BKR CLOSE-TRIP CKT UNIT 15	125 DC	30.34 000000	0EE-117-53 0-751-K 0EE-117-2A
A	PNLBKR AR BIT	4 KV SWITCHGEAR BIT CLOSE-TRIP	4KV BKR CLOSE-TRIP CKT UNIT 1	125 DC	30.34 000000	0-751-K 0EE-117-2A
B	FUSE AW BIT1	4 KV SWITCHGEAR BIT CLOSE-TRIP	4KV BKR CLOSE-TRIP CKT UNIT 1	125 DC	10.10 000000	OM-302-127 0EE-117-2A
C	FUSE LF BIT	4 KV SWITCHGEAR BIT TRIP	4KV BKR CLOSE-TRIP CKT UNIT 1	125 DC	0.24 000000	0EE-117-2A OM-302-128 0EE-117-2A
D	FUSE AW BIT3	4KV MISC TRIP RELAYS	4KV BKR CLOSE-TRIP CKT UNIT 1	125 DC	10.00 000000	0EE-117-2A OM-302-129 0EE-117-4A

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 2DCA 3A

3/17/89
 PAGE 12

NORMAL POWER SOURCE
 1DCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA NOA D/P M/D D/P ELEM DEVICE ELEM COMMENTS

4KV BKR CLOSE-TRIP CKT UNIT 3

E FUSE AM BIT4 4 KV SWITCHGEAR BIT CLOSE-TRIP

125 10.00 DC 0000000

0EE-117-4A

OM-302-130
 0EE-117-5A

4KV BKR CLOSE-TRIP CKT UNIT 4

IDIA 27 1 FDBKR STANDBY BUS 1 UNDERVOLTAGE PHASE A

125 0.54 DC 0000000

0-753-F
 0EE-117-1J

A SLTB SBIAP IEP5LP2 STANDBY BUS NO 1 UV PHASE A

125 0.00 DC 0000000

0-753-F

STANDBY BUS #1 UV PHASE A RELAYS

0EE-117-1J

IDIA 28 1 FDBKR STANDBY BUS 2 UNDERVOLTAGE PHASE C

125 0.54 DC 0000000

0-753-H
 0EE-117-1P

A SLTB SP2CP IEP5LP2 STANDBY BUS NO 2 UV PHASE C

125 0.00 DC 0000000

0-753-H
 0EE-117-1P

STANDBY BUS #2 UV PHASE C RELAYS

0EE-117-1P

IDIA 29 1 FDBKR INADEQUATE CORE COOLING SYS

125 0.10 DC 0000000

0-766-E
 0EE-155-01

A FUSE FUI IMTC4 INADEQUATE CORE COOLING SYS

125 0.10 DC 0000000

0-766-E
 0EE-155-01

RCP RUNNING RELAY

0EE-155-01

IDIA 30 1 BKR SPARE

125 0.00 DC 0000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE GRAY
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 ZDCA 3A

3/17/89
 PAGE 13

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

BLDG AUX ELEV 810

COORD LOC P-72

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NGA

DC 125 41.50
 DC 125 41.50
 DC 125 10.00
 DC 125 10.50
 DC 125 10.50
 DC 125 0.00
 DC 125 10.00
 DC 125 0.50

0-751-G
 OEE-117-29A TO 33A
 0-751-G
 OEE-117-29A
 OM-302-48
 OEE-117-29A
 OEE-117-29A
 OM-302-49
 OEE-117-30
 OEE-117-30 & 30A
 OM-302-50
 OEE-117-31
 OEE-117-31&31A
 OM-302-51
 OEE-117-32
 OM-302-52
 OEE-117-33A
 OEE-117-33A
 OM-302-52
 OEE-117-28
 OEE-117-28

6900V SWITCHGEAR
 ITA (2-6)
 (CLOSE-TRIP)
 7 KV SWITCHGEAR
 ITA CLOSE-TRIP
 7 KV SWITCHGEAR
 ITA CLOSE-TRIP
 7KV BKR CLOSE-TRIP CKT UNIT 2
 7 KV SWITCHGEAR
 ITA CLOSE-TRIP
 7KV BKR CLOSE-TRIP CKT UNIT 3
 7 KV SWITCHGEAR
 ITA CLOSE-TRIP
 7KV BKR CLOSE-TRIP CKT UNIT 4
 7 KV SWITCHGEAR
 ITA CLOSE-TRIP
 7KV BKR CLOSE-TRIP CKT UNIT 6
 7 KV SWITCHGEAR
 BKR THROWOVER
 BKR THROWOVER RELAY CKT

NOT USED

101A
 31
 1

A
 B
 C
 D
 E
 F
 G

FDBKR
 PNLBKR
 AR
 ITA
 FUSE
 AX
 ITA2
 FUSE
 AX
 ITA3
 FUSE
 AX
 ITA4
 FUSE
 AX
 ITA5
 FUSE
 AX
 ITA6
 FUSE
 TCPP
 ITA

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89
 PAGE 14

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-72

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
101A 32 1	FCBKR	4160V SWITCHGEAR 1TD (TRIP)	125 DC	74.60 000000	0-751-D OEE-117-54 T0 67	
A	PNLBKR LE 1TD	4 KV SWITCHGEAR 1TD TRIP	125 DC	74.60 000000	0-751-D OEE-117-67	
B	FUSE LC 1TD14	4 KV SWITCHGEAR 1TD TRIP	125 DC	7.00 000000	OM-302-90 OEE-117-67	
C	FUSE LC 1TD1	4KV BKR TRIP CKT UNIT 14 4 KV SWITCHGEAR 1TD TRIP	125 DC	7.00 000000	OEE-117-67 OM-302-84 OEE-117-54	
D	FUSE LC 1TD2	4KV BKR TRIP CKT UNIT 1 4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OEE-117-54 OM-302-85 OEE-117-55	
E	FUSE LC 1TD3	4KV BKR TRIP CKT UNIT 2 4 KV SWITCHGEAR 1TD TRIP	125 DC	0.00 000000	OEE-117-55 OM-302-86 SHT 1 OEE-117-56	NOT USED
F	FUSE LC 1TD4	4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OM-302-88 OEE-117-57	
G	FUSE LC 1TD5	4KV BKR TRIP CKT UNIT 4 4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OEE-117-57 OM-302-87 SHT 2 OEE-117-58	
		4KV BKR TRIP CKT UNIT 5			OEE-117-58	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 ONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IF
 SAFETY COLOR GRAY PAGE 3/17/89 15

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCA 3A

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
H	FUSE LC 1TD6	4KV BKR TRIP CKT UNIT 6	4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OM-302-87 SHT 2 OEE-117-59	
I	FUSE LC 1TD7	4KV BKR TRIP CKT UNIT 6	4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OEE-117-59	
J	FUSE LC 1TD8	4KV BKR TRIP CKT UNIT 7	4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OM-302-87 SHT 2 OEE-117-61	
K	FUSE LC 1TD9	4KV BKR TRIP CKT UNIT 8	4 KV SWITCHGEAR 1TD TRIP	125 DC	0.00 000000	OEE-117-61	NOT USED
L	FUSE LC 1TD10	4KV BKR TRIP CKT UNIT 8	4 KV SWITCHGEAR 1TD TRIP	125 DC	0.00 000000	OM-302-86 SHT 2 OEE-117-63	NOT USED
M	FUSE LC 1TD11	4KV BKR TRIP CKT UNIT 12	4 KV SWITCHGEAR 1TD TRIP	125 DC	0.00 000000	OM-302-86 SHT 2 OEE-117-64	NOT USED
N	FUSE LC 1TD12	4KV BKR TRIP CKT UNIT 12	4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OM-302-86 SHT 1 OEE-117-65	
O	FUSE LC 1TD13	4KV BKR TRIP CKT UNIT 13	4 KV SWITCHGEAR 1TD TRIP	125 DC	6.70 000000	OEE-117-65 OM-302-87 SHT 1 OEE-117-66	
						OEE-117-66	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1F
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE 2DCA 3A
 3/17/89
 PAGE 16

NORMAL POWER SOURCE
 IDCA 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

COMMENTS

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA MOA D/P M/D D/P ELEM DEVICE ELEM

P FUSE LC 1TD15 4 KV SWITCHGEAR 1TD TRIP DC 125 0.00 000000 OM-302-86 SHT 1 OEE-117-83 NOT USED

Q FUSE LC 1TD16 4 KV SWITCHGEAR 1TD TRIP DC 125 6.70 000000 OM-302-87 SHT 1 OEE-117-84

R FUSE F2 1TD 4KV BKR TRIP CKT UNIT 16 LOAD SHED DC 125 0.20 000000 OEE-117-84 O-751-D OEE-117-84

LOAD SHED RELAY CKT OEE-117-84

IDIA 33 1 FDBKR FBKRB STATIC INVERTER IDIA 125 0.00 000000 O-705

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O R T H E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 3/17/89
 PAGE 17

ALTERNATE POWER SOURCE
 2DCB 5A

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-72

COMMENTS

J/P W/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

0-762
 OEE-133-1

125 2.60
 DC 0000000

EFMT FMT 1A & 1B,
 MAIN TURBINE
 Mulsifyre

FDBKR

0-762
 OEE-133-1

125 0.50
 DC 0000000

EFM TURB AND OIL
 TANK Mulsifyre

SLTB
 Y1
 TB175

OEE-133-1

DELUGE SOL VLV ISV157

0-762
 OEE-133-1

125 0.50
 DC 0000000

MAIN TURB AND OIL
 TANK Mulsifyre

SLTB
 Y11
 TB175

OEE-133-1

DELUGE SOL VLV ISV154

0-762
 OEE-133-1

125 0.50
 DC 0000000

FW TURB 1B AND OIL
 TANK Mulsifyre

SLTB
 Y5
 TB176

OEE-133-1

DELUGE SOL VLV ISV156

0-762
 OEE-133-1

125 0.50
 DC 0000000

H2 SEAL OIL TANK
 Mulsifyre

SLTB
 Y15
 TB176

OEE-133-1

DELUGE SOL VLV ISV158

0-762
 OEE-133-1

125 0.50
 DC 0000000

FM TURB 1A AND OIL
 TANK Mulsifyre

SLTB
 Y19
 TB176

OEE-133-1

DELUGE SOL VLV ISV155

0-762
 OEE-133-1

125 0.10
 DC 0000000

TURB BLDG EXHAUST
 FAN CONTROLS

SLTB
 P
 TB176

OEE-133-1

RELAY CKT

0-753-L
 OEE-120-1

125 0.31
 DC 0000000

KEOWEE EMERGENCY
 STARTUP CHANNEL B

FDBKR

IDIB
 02
 1

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 18

ALTERNATE POWER SOURCE
 2DCB 3A

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

COORD LOC P-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVCIE ELEM

BLDG AUX ELEV 810
 VOLTS FLA
 PHASE NOA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

RELAY CKT

0EE-120-1

0-772-F
 0EE-121-41
 DC 125 0.36
 0000000

TURBINE MISC
 CONTROL

0-772-B
 0EE-121-41
 DC 125 0.10
 0000000

MISC TURB CNTRLS

0EE-121-41
 0EE-147-6
 DC 125 0.00
 0000000

MISC TURB CNTRLS RELAY CKT
 MISC EFM CNTRL RELAY CKT
 TURBINE OIL FIRE
 TRIP

0EE-121-41
 0EE-121-42
 DC 125 0.05
 0000000

MISC TURB CNTRLS RELAY CKT

0EE-121-43
 0EE-121-43
 DC 125 0.08
 0000000

MISC TURB ALARM RELAY CKT

0-799-B
 0EE-214

DC 125 0.62
 0000000

KEOMEE-OCONEE
 INTERFACE CHAN. B

0-799-B
 0EE-214
 DC 125 0.62
 0000000

KEOMEE-OCONEE
 INTERFACE CH B

0EE-214 AND 214-1

INTERPOSING RELAY INDICATING LIGHTS

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 101B
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 19
 ALTERNATE POWER SOURCE
 ZDCB 5A

NORMAL POWER SOURCE
 IDCA 5B

COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
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REMOTE CNTRL RELAY CKT

KEE-217 THRU 217-3

1DIB 05 1	FDBKR		MAIN FEEDER BUS MONITOR RELAY PANEL IMFBMRP	125 DC	0.21 000000	0-777 OEE-117-1S	
A	SLTB 1MIBP 1MFBMRP		MAIN FEEDER BUS MONITOR U V LOGIC	125 DC	0.21 000000	0-777 OEE-117-1S	

UV LOGIC RELAY CKT

0-714-J

1DIB 06 1	FDBKR		U V 1 ANNUNCIATOR KLEFSH MODULES VERTICAL BD 1VB3	125 DC	0.00 000000	0-714-J	
1DIB 07 1	FDBKR		UNIT 1 MAIN RELAYING (1EB4)	125 DC	0.00 000000	0-715-K OEE-111-1	
A	FUSE FU 1EB4		UNIT 1 MAIN RELAYING	125 DC	0.00 000000	0-715-K OEE-111-1 & 117-1A	

UNIT MAIN RELAYING CKT

0EE-111-1

1DIB 08 1	FDBKR		LOCKOUT FOR TRANSFORMER CT5 (2EB1)	125 DC	0.00 000000	0-715-M OEE-79-1	
A	SLTB CT5P1 2EB1		XFMR CT5 DIFF LOCKOUT	125 DC	0.00 000000	0-715-M OEE-79-1	

CT5 DIFF LOCKOUT RELAY CKT

0EE-79-1

1DIB 09 1	FDBKR		STANDBY BUS 1 UNDERVOLTAGE PHASE B	125 DC	0.53 000000	0-753-F OEE-117-1K	
A	SLTB SB1BP 1EPLP2		STANDBY BUS 1 U V PHASE 1	125 DC	0.53 000000	0-753-F OEE-117-1K	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 20

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE PWR SOURCE
 2DCB 3A

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
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STANDBY BUS I UV RELAY CKT

1DIB 11 1	FDBKR		EFDMP DISCH TO STM GEN IA CNTRL VLV FDW315	125 DC	1.00 000000	0-751-00 OEE-145-68	
A	SLTB P200 11D		EFDMP DISCH TO STM GEN IA CNTRL VLV FDW315	125 DC	1.00 000000	0-751-00 OEE-145-68	
			S0L VLV ISV200			OEE-145-68	
			S0L VLV ISV204			OEE-145-68	

NORM UV XFER RELAY CKT CH B

1DIB 12 1	FDBKR		NORMAL UNDERVOLT- AGE TRANSFER CHANNEL B	125 DC	0.53 000000	0-753-A OEE-117-1C	
A	SLTB NBP 1EPSLPI		NORMAL U V XFER CH B	125 DC	0.53 000000	0-753-A OEE-117-1C	
			STARTUP UNDERVOLT- AGE TRANSFER CHANNEL B	125 DC	0.74 000000	0-753-D OEE-117-1F	
A	SLTB EBP 1EPSLPI		START-UP U V XFER CH B	125 DC	0.74 000000	0-753-D OEE-117-1F	

START-UP UV RELAY CKT CH B

1DIB 13 1	FDBKR		LOAD SHEDDING CHANNEL B	125 DC	1.69 000000	0-753-C OEE-117-1I	
			LOAD SHEDDING RELAY CKT CH B			OEE-117-1I & 1I-1	
1DIB 14 1	BKR		SPARE	125 DC	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 21

ALTERNATE POWER SOURCE
 ZDCB 5A

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-72

COMMENTS

D/P N/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

DC 67.21
 DC 67.21
 DC 6.70
 DC 6.70
 DC 0.00
 DC 6.70
 DC 6.70

0-751-B
 OEE-117-39 T0 53
 0-751-B
 OEE-117-52
 OM 302-90
 OEE-117-52
 OEE-117-52
 OEE-117-52
 CEE-117-39
 OM-302-85
 OEE-117-40
 OEE-117-40
 OM-302-86 SHT 1
 OEE-117-41
 OM-302-87 SHT 1
 OEE-117-42
 OEE-117-42
 OM-302-88
 OEE-117-43
 OEE-117-43

NOT USED

4 KV SWITCHGEAR
 ITC (TRIP) UNITS
 1-15
 4 KV SWITCHGEAR
 ITC TRIP
 4 KV SWITCHGEAR
 ITC TRIP
 4KV SWITCHGEAR ITC UNIT 14 TRIP CKT
 4 KV SWITCHGEAR
 ITC TRIP
 4 KV SWITCHGEAR ITC UNIT 1 TRIP CKT
 4 KV SWITCHGEAR
 ITC TRIP
 4 KV SWITCHGEAR ITC UNIT 2 TRIP CKT
 4 KV SWITCHGEAR
 ITC TRIP
 4 KV SWITCHGEAR ITC UNIT 4 TRIP CKT
 4 KV SWITCHGEAR
 ITC TRIP
 4 KV SWITCHGEAR ITC UNIT 5 TRIP CKT

FDBKR
 BKR
 LE
 ITC
 FUSE
 LC
 ITC14
 FUSE
 LC
 ITC1
 FUSE
 LC
 ITC2
 FUSE
 LC
 ITC3
 FUSE
 LC
 ITC4
 FUSE
 LC
 ITC5

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

15
 1
 A
 B
 C
 D
 E
 F
 G

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 3/17/89
 PAGE 22

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 ZDCB 5A

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
H	FUSE LC 1TC6	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 6 TRIP CKT	125 DC	6.70 000000	OM-302-88 OEE-117-44	
I	FUSE LC 1TC7	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 7 TRIP CKT	125 DC	6.70 000000	OEE-117-44 OM-302-89 OEE-117-45	
J	FUSE LC 1TC8	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 8 TRIP CKT	125 DC	6.70 000000	OEE-117-45 OM-302-87 SHT 2 OEE-117-46	
K	FUSE LC 1TC9	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 9 TRIP CKT	125 DC	0.00 000000	OEE-117-46 OM-302-86 SHT 2 OEE-117-47	NOT USED
L	FUSE LC 1TC10	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 10 TRIP CKT	125 DC	0.00 000000	OM-302-86 SHT 2 OEE-117-48	NOT USED
M	FUSE LC 1TC11	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 11 TRIP CKT	125 DC	0.00 000000	OM-302-86 SHT 2 OEE-117-49	NOT USED
N	FUSE LC 1TC12	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 12 TRIP CKT	125 DC	0.00 000000	OM-302-87 SHT 1 OEE-117-50	NOT USED
O	FUSE LC 1TC13	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 13 TRIP CKT	125 DC	6.70 000000	OM-302-87 SHT 1 OEE-117-51	
P	FUSE LC 1TC15	4 KV SWITCHGEAR ITC TRIP	4 KV SWITCHGEAR ITC UNIT 15 TRIP CKT	125 DC	6.70 000000	OEE-117-51 OM-302-86 SHT 1 OEE-117-53	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 3/17/89 23

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 ZDCB 3A

BLDG AUX ELEV 810 COORD LOC P-72

COMMENTS

BUS IDIB
 COMPT 16
 UNIT 1

TYPE UNIT	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	FLA	D/P W/D
D/P LOC				PHASE	NOA	D/P ELEM
Q	4 KV SWITCHGEAR	ITE UNIT 15 TRIP CKT		125	0.21	0EE-117-53
		LOAD SHED TRIP		DC	000000	0-751-B 0EE-117-53

		LOAD SHED RELAY CKT				0EE-117-53

A	PNLBKR	4 KV SWITCHGEAR		125	0.00	0-751-F 0EE-117-68 TO 82
	LE	ITE TRIP		DC	000000	
B	FUSE	4 KV SWITCHGEAR		125	0.00	0-751-F 0EE-117-81
	LC	ITE TRIP		DC	000000	0M-302-90 0EE-117-81
C	FUSE	4 KV SWITCHGEAR	ITE UNIT 14 TRIP CKT	125	6.70	0EE-117-81
	LC	ITE TRIP		DC	000000	0M-302-84 0EE-117-68
D	FUSE	4 KV SWITCHGEAR	ITE UNIT 1 TRIP CKT	125	6.70	0EE-117-68
	LC	ITE TRIP		DC	000000	0M-302-85 0EE-117-69
E	FUSE	4 KV SWITCHGEAR	ITE UNIT 2 TRIP CKT	125	6.70	0EE-117-69
	LC	ITE TRIP		DC	000000	0M-302-87 SHT 1 0EE-117-70
F	FUSE	4 KV SWITCHGEAR	ITE UNIT 3 TRIP CKT	125	6.70	0EE-117-70
	LC	ITE TRIP		DC	000000	0M-302-88 0EE-117-71

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 24

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DKG NO F4059
 IDIB
 BLUG AUX ELEV 810

ALTERNATE POWER SOURCE
 2DCB 3A

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P W/D
 D/P ELEM
 DEVICE ELEM

COORD LOC P-72

COMMENTS

C	FUSE LC ITE5	4 KV SWITCHGEAR ITE UNIT 4 TRIP CKT	DC	125	6.70	000000	OEE-117-71 OM-302-87 SHT 2 OEE-117-72	
H	FUSE LC ITE6	4 KV SWITCHGEAR ITE UNIT 5 TRIP CKT	DC	125	6.70	000000	OEE-117-72 OM-302-87 SHT 2 OEE-117-73	
I	FUSE LC ITE7	4 KV SWITCHGEAR ITE UNIT 6 TRIP CKT	DC	125	6.70	000000	OEE-117-73 OM-302-89 OEE-117-74	
J	FUSE LC ITE8	4 KV SWITCHGEAR ITE UNIT 7 TRIP CKT	DC	125	6.70	000000	OEE-117-74 OM-302-87 SHT 2 OEE-117-75	
K	FUSE LC ITE9	4 KV SWITCHGEAR ITE UNIT 8 TRIP CKT	DC	125	0.00	000000	OEE-117-75 OM-302-86 SHT 2 OEE-117-76	NOT USED
L	FUSE LC ITE10	4 KV SWITCHGEAR ITE UNIT 10 TRIP CKT	DC	125	6.70	000000	OEE-117-77 OM-302-86 SHT 2 OEE-117-77	
M	FUSE LC ITE11	4 KV SWITCHGEAR ITE UNIT 11 TRIP CKT	DC	125	6.70	000000	OEE-117-77 OM-302-86 SHT 2 OEE-117-78	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 3/17/89 25

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 IDIB
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 2DCB 3A

COORD LOC P-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D ELEM DEVICE ELEM
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N	FUSE LC 1TE12	4 KV SWITCHGEAR 1TE TRIP	4 KV SWITCHGEAR 1TE TRIP	125 DC	0.00 000000	OM-302-87 SHT 1 OEE-117-79
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NOT USED

O	FUSE LC 1TE13	4 KV SWITCHGEAR 1TE TRIP	4 KV SWITCHGEAR 1TE TRIP	125 DC	6.70 000000	OM-702-87 SHT 1 OEE-117-80
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P	FUSE LC 1TE15	4 KV SWITCHGEAR 1TE UNIT 13 TRIP CKT 4 KV SWITCHGEAR 1TE TRIP	4 KV SWITCHGEAR 1TE UNIT 13 TRIP CKT 4 KV SWITCHGEAR 1TE TRIP	125 DC	6.70 000000	OM-302-87 SHT 1 OEE-117-82
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Q	FUSE F1 1TE15	4 KV SWITCHGEAR 1TE UNIT 15 TRIP CKT LOAD SHED TRIP	4 KV SWITCHGEAR 1TE UNIT 15 TRIP CKT LOAD SHED TRIP	125 DC	0.21 000000	OEE-117-82 O-751-F OEE-117-82
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LOAD SHED RELAY CKT

A	FDBKR AR 1TB2	7 KV SWITCHGEAR 1TB (CLOSE-TRIP)	7 KV SWITCHGEAR 1TB (CLOSE-TRIP)	125 DC	0.00 000000	O-751-H OEE-117-34 TO 38A
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B	FUSE AZ 1TB2	7 KV SWITCHGEAR 1TB CLOSE-TRIP	7 KV SWITCHGEAR 1TB CLOSE-TRIP	125 DC	10.00 000000	O-751-H OEE-117-35A OM-302-54 OEE-117-35A
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C	FUSE 2P 1TB2	7 KV SWGR 1TB UNIT 2 CLOSE-TRIP CKT 7 KV 1TB BKR THROVER CKT	7 KV SWGR 1TB UNIT 2 CLOSE-TRIP CKT 7 KV 1TB BKR THROVER CKT	125 DC	0.30 000000	OEE-117-35A OM-302-54 OEE-117-35A
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7 KV BKR THROVER RELAY CKT

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 26

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 2DCB 3A

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NGA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
D	FUSE AZ 1TB3		7 KV SWITCHGEAR 1TB CLOSE-TRIP	125 DC	10.00 0000000	OM-302-49 OEE-117-36	
E	FUSE AZ 1TB4		7 KV SMGR 1TB UNIT 3 CLOSE-TRIP CKT	125 DC	10.00 0000000	OEE-117-36 AND 36A	
F	FUSE AZ 1TB5		7 KV SWITCHGEAR 1TB CLOSE-TRIP	125 DC	10.00 0000000	OM-302-50 OEE-117-37	
			7 KV SMGR 1TB UNIT 4 CLOSE-TRIP CKT			OEE-117-37 AND 37A	
G	FUSE 5P 1TB5		7 KV SWITCHGEAR 1TB CLOSE-TRIP	125 DC	10.00 0000000	OM-302-56 OEE-117-38A	
			7 KV SMGR 1TB UNIT 5 CLOSE-TRIP CKT			OEE-117-38A	
			RELAY 86/1TX CKT	125 DC	0.00 0000000	OM-302-56 OEE-117-38A	
				125 DC	0.00 0000000	OEE-117-38A	
1B 1	FUBKR	RCP VIBRATION SWITCHES RESET & AUX VENT FANS		125 DC	0.00 0000000	O-712-D OEE-150-10 & 131-6	
A	SLTB S27 1AB1	RCP VIBRATION DETECTOR RESET		125 DC	0.00 0000000	O-712-D OEE-150-10	
		RCP 1A1 VIB DET VS1				OEE-150-10	
		RCP 1A2 VIB DET VS2				OEE-150-10	
		RCP 1B1 VIB DET VS3				OEE-150-10	
		RCP 1B2 VIB DET VS4				OEE-150-10	
B	SLTB B14 1AT5	AUX VENT FANS VIBRATION DETEC RESET		125 DC	0.00 0000000	O-713-E OEE-131-6	

LIST NUMBER 06A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 DUCENE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 27

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3A

BLDG AUX ELEV 810 COORD LUC P-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NGA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

VENT FAN 1A VIB DET VVS1
 VENT FAN 1B VIB DET VVS2
 VENT FAN 1C VIB DET VVS3
 VENT FAN 1D VIB DET VVS4

0EE-131-6
 0EE-131-6
 0EE-131-6
 0EE-131-6

CRD AC BKR TRIP
 CKT UNIT 11 CH B

0-782-M
 0EE-139-02

400V LOAD CENTER
 1X9

0-754-C
 0EE-116-1

600V LOAD CENTER
 1X9

0M-303-24
 0EE-116-1

RELAY NO 27X CKT

0M-303-24
 0EE-116-1

RELAY NO 27X1 &
 27X2 CKT

0M-303-24
 0EE-116-1

RELAY NO 27X3 CKT

0M-303-24
 0EE-116-1

RELAY NO 27X4 CKT

0M-303-24
 0EE-116-1

CLOSE AND TRIP CKT
 FOR BKR NO 4A

0M-303-24
 0M-303-16

CLOSING CKT FOR
 BKR NO 4A

0M-303-24
 0M-303-16

PULL OFF FUSE BLOCK
 SLUGGED

IDIB
 19
 1

FBNKR
 125 0.00
 DC 0000000

IDIB
 20
 1

FDBKR
 125 0.00
 DC 0000000

A
 BKR
 LF
 1X9

125 0.00
 DC 0000000

B
 FUSE
 LA
 1X9

125 0.00
 DC 0000000

C
 FUSE
 LB
 1X9

125 0.00
 DC 0000000

D
 FUSE
 LC
 1X9

125 0.00
 DC 0000000

E
 FUSE
 LD
 1X9

125 0.00
 DC 0000000

F
 POFB
 4EA
 1X9

125 0.00
 DC 0000000

G
 FUSE
 4EB
 1X9

125 0.00
 DC 0000000

LIST NUMBER 08A
 PLAN CODE = 0CN
 FILE 'D' = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1C
 SAFETY COLOR YELLOW PAGE 28

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCB 5A

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NDA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
H	POFB 4EE 1X9		CLOSE AND TRIP CKT FOR BKR NO 4C	125 DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 1X9		CLOSING CKT FOR BKR NO 4C	125 DC	0.00 0000000	OM-303-24 OM-303-16	
J	POFB 4EG 1X9		CLOSE AND TRIP CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
K	FUSE 4EH 1X9		CLOSING CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-24 OM-303-16	BREAKER REMOVED
L	POFB 5EA 1X9		CLOSE AND TRIP CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 1X9		CLOSING CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-24 OEE-116-5	
N	POFB 5EC 1X9		CLOSE AND TRIP CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 1X9		CLOSING CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-24 OM-303-16	SPARE BREAKER
P	POFB 5EE 1X9		CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED
Q	FUSE 5EF 1X9		CLOSING CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-24 OEE-116-5	
R	POFB 5EG 1X9		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 0000000	OM-303-24 OM-303-16	PULL OFF FUSE BLOCK SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 3/17/89 29

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
S	FUSE 5EH 1X9	CLOSING CKT FOR BKR NO 5D		125 DC	0.00 0000000	OM-303-24 OM-303-16	SPARE BREAKER
T	POFB 6EA 1X9	CLOSE AND TRIP CKT FOR BKR NO 6A		125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 1X9	CLOSING CKT FOR BKR NO 6A		125 DC	0.00 0000000	OM-303-24 OEE-116-5	
V	POFB 6EC 1X9	CLOSE AND TRIP CKT FOR BKR NO 6B		125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 1X9	CLOSING CKT FOR BKR NO 6B		125 DC	0.00 0000000	OM-303-24 OEE-116-5	
X	POFB 6EE 1X9	CLOSE AND TRIP CKT FOR BKR NO 6C		125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 1X9	CLOSING CKT FOR BKR NO 6C		125 DC	0.00 0000000	OM-303-24 OEE-116-5	
Z	POFB 6EG 1X9	CLOSE AND TRIP CKT FOR BKR NO 6D		125 DC	0.00 0000000	OM-303-24 OEE-116-5	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
I	FUSE 6EH 1X9	CLOSING CKT FOR BKR NO 6D		125 DC	0.00 0000000	OM-303-24 OEE-116-5	SPARE BREAKER
IOIB 21 1	FDBKR	STANDBY BUS 2 UNDERVOLTAGE PHASE A		125 DC	0.44 0000000	OM-753-G OEE-117-1M	
A	SLTB SB2AP 1EPLP2	STANDBY BUS NO 2 UNDERVOLTAGE PH A		125 DC	0.00 0000000	OM-753-G OEE-117-1M	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 3A

3/17/89
 30

NORMAL POWER SOURCE
 IDCA 3B

10IB
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOL'S FLA
 PHASE NOA

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

BUS
 COMPT
 UNIT

UV RELAY CKT

OEE-117-1M

IDIB 22 1 BKR SPARE 125 0.00 DC 000000

IDIB 23 1 FDBKR CONTROL ROD DRIVE PRIMARY TRIP BKR ASSEMBLY 125 0.00 DC 000000 O-782-F OEE-139-02

CRD PRIMARY TRIP RELAY CKT OEE-139-02

IDIB 24 1 FDBKR PRESSURE RELIEF VALVE IRV-67 125 0.00 DC 000000 O-766-D OEE-150-7

SOL VLV FOR VLV IRV-67 OEE-150-7
 IRV-67 RELAY CKT OEE-150-7

IDIB 25 1 FDBKR ENGINEERED SAFEGDS CHANNELS 2,4,6, & 8 125 5.73 DC 000000 O-757-C OEE-142-1

A SLTB ESL8 IESTC2 LETDOWN ISOL VLV FS/1/51/5 125 0.32 DC 000000 O-757-C OEE-151-3

SOL VLV ISV90 OEE-151-3
 LETDOWN ISOL VLV RELAY CKT OEE-151-3

B SLTB ESL10 IESTC2 RCP SEAL RETURN VLV FS/1/5./40 125 0.32 DC 000000 O-757-C OEE-151-8

SOL VLV ISV95 OEE-151-8
 RCP SEAL RETURN VLV RELAY CKT OEE-151-8

C SLTB P1 IESTC2 CHEMICAL ADDITION VLV V2 FS/1/63/2 125 0.29 DC 000000 O-757-C OEE-157-4

LIST NUMBER 08A
 PLANT CODE = 07N
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 ONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 32

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 2DCB 3A

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS
 PHASE
 NOA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION	VOLTS PHASE NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
I	SLTB ESP4 1ESTC2	RB PURGE INLET VLV RELAY CKT RB PURGE VALVE 1/208-21/5	125 DC	0.29 000000	0EE-158-4 0-757-C 0EE-158-5
J	SLTB ESL29 1ESTC2	S0L VLV 1SV34 RB PURGE VLV RELAY CKT SAMPLE LINE CNTRL INLET VLV 1/67/2	125 DC	0.50 000000	0EE-158-5 0EE-158-5 0-757-C 0EE-158-8
K	SLTB ESL75 1ESTC2	S0L VLV 1SV75 SAMPLE LINE CNTRL VLV RELAY CKT SAMPLE LINE CNTRL OUTLET VLV 1/67/3	125 DC	0.30 000000	0EE-158-8 0EE-158-8 0-757-C 0EE-158-9
L	SLTB P4 1ESTC2	S0L VLV 1SV76 SAMPLE LINE CNTRL VLV RELAY CKT RB PENT RM SAMPLE & VENT PRESS ALARM	125 DC	0.21 000000	0EE-158-9 0EE-158-9 0-757-C 0EE-158-15
M	SLTB ESP2 1ESTC2	ALARM RELAYS RB ISOL VALVE 1/57/2	125 DC	0.29 000000	0EE-158-15 0-757-C 0EE-160
N	SLTB ESP7 1ESTC2	S0L VLV 1SV3 RB ISOL VLV RELAY CKT WASTE DISPOSAL SYS RB ISOL VALVE 1/59/5	125 DC	0.29 000000	0EE-160 0EE-160 0-757-C 0EE-160-1

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 33

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3A

BLDG AUX ELEV 810 COORD LOC P-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM
		SOL VLV ISV44				0EE-160-1
		RB ISOL VLV RELAY CKT				0EE-160-1
0	SLTB ESP6 1ESTC2		WASTE DISPOSAL SYS RB ISOL VALVE 1/59/4	125 DC	0.29 000000	0-757-C 0EE-160-3
		SOL VLV ISV4				0EE-160-3
		RB ISOL VLV RELAY CKT				0EE-160-3
P	SLTB ESL15 1ESTC2		COMPONENT COOLING VLV 1/55/15	125 DC	0.30 000000	0-757-C 0EE-142-1
		SOL VLV ISV16				0EE-142-1
		COMPONENT COOLING RELAY CKT				0EE-142-1
IDIB 26 1	FDBKR		7KV SWITCHGEAR 1TA (TRIP)	125 DC	27.50 000000	0-751-G 0EE-117-28 TO 33A
A	BKR AR 1TA6		7 KV SWITCHGEAR 1TA TRIP	125 DC	27.50 000000	0-751-G 0EE-117-33A
B	FUSE AX 1TA6		7 KV SWITCHGEAR 1TA TRIP	125 DC	7.20 000100	0M-302-52 0EE-117-33A
		7 KV SWITCHGEAR 1TA TRIP CKT UNIT 6				0EE-117-33A
		7 KV SWITCHGEAR 1TA BKR THROWOVER CKT				0EE-117-28
C	FUSE AX 1TA2		7 KV SWITCHGEAR 1TA TRIP	125 DC	6.70 000000	0M-302-48 0EE-117-29A
		7 KV SWITCHGEAR 1TA TRIP CKT UNIT 2				0EE-117-29A

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 34

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3A

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	BLDG AUX	ELEV	COORD	LOC	P-72	D/P M/D	FLA NOA	FLA NOA	DCB 3A	POWER SOURCE
D	FUSE AX 1TA3	7 KV SWITCHGEAR 1TA TRIP	7 KV SWITCHGEAR 1TA TRIP			125	DC	000000	6.70				OM-302-49 OEE-117-30
E	FUSE AX 1TA4	7 KV SWITCHGEAR 1TA TRIP	7 KV SWITCHGEAR 1TA TRIP CKT UNIT 3			125	DC	000000	6.70				OEE-117-30,117-30A OM-302-50 OEE-117-31
F	FUSE AX 1TA5	SPARE	7 KV SWITCHGEAR 1TA TRIP CKT UNIT 4			125	DC	000000	0.00				OEE-117-31,117-31A OM-302-51 OEE-117-32
1DIB 27 1	FDBKR	REACTOR BUILDING COOLING UNITS VIBRATION SWITCHES				125	DC	000000	0.00				O-713-E OEE-138-18A
		VIBRATION SWITCH VS1											OEE-138-18A
		VIBRATION SWITCH VS2											OEE-138-18A
		VIBRATION SWITCH VS3											OEE-138-18A
1DIB 28 1	FDBKR	UNIT INTERFACE CONTROLLER IUIC PANEL				125	DC	000000	1.00				O-715-Q
1DIB 29 1	BKR	SPARE				125	DC	000000	0.00				
1DIB 30 1	BKR	SPARE				125	DC	000000	0.00				
1DIB 31 1	FDBKR	4 KV SWITCHGEAR BIT (1-4) (TRIP)				125	DC	000000	20.10				O-751-K OEE-117-5A

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 35

NORMAL POWER SOURCE
 IDCA 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC P-72

ALTERNATE POWER SOURCE
 2DCB 3A

COMMENTS

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA NOA D/P M/D D/P ELEM DEVICE ELEM

A BKR LE BIT4 4 KV SWITCHGEAR BIT TRIP 125 DC 20.10 000000 O-751-K OEE-117-5A

B FUSE LC BIT4 4 KV SWITCHGEAR BIT TRIP 125 DC 6.70 000000 O-751-K OEE-117-5A

C FUSE LC BIT1 4 KV SWITCHGEAR BIT TRIP CKT UNIT 4 125 DC 6.10 000000 O-751-K OEE-117-2A

D FUSE LC BIT3 4KV SWITCHGEAR BIT TRIP CKT UNIT 1 125 DC 6.70 000000 O-751-K OEE-117-4A

FDBKR 4 KV SWITCHGEAR BIT TRIP CKT UNIT 3 OEE-117-4A

IDIB 32 1 FDBKR 4 KV SWITCHGEAR 1TD (CLOSE-TRIP) 125 DC 0.00 000000 O-751-C OEE-117-54 TO 67

A BKR AW ITD1 4 KV SWITCHGEAR 1TD CLOSE-TRIP 125 DC 0.00 000000 O-751-C OEE-117-54

B FUSE AY ITD1 4 KV SWITCHGEAR 1TD CLOSE-TRIP 125 DC 10.00 000000 OM-302-84 OEE-117-54

C FUSE AY ITD2 4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 1 125 DC 10.00 000000 OEE-117-54 OM-302-85 OEE-117-55

4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 2 OEE-117-55

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 37

ALTERNATE POWER SOURCE
 2DCB 3A

NORMAL POWER SOURCE
 IDCA 3B
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-72

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION	VOLTS PHASE NDA	FLA NDA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
K	FUSE AY 1TD9	4 KV SWITCHGEAR 1TD CLOSE-TRIP	125 DC	10.00 0000000	OM-302-86 SHT 2 OEE-117-62	
L	FUSE AY 1TD10	4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 9	125 DC	10.00 0000000	OEE-117-62 OM-302-86 SHT 2 OEE-117-63	
M	FUSE AY 1TD11	4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 10	125 DC	10.00 0000000	OEE-117-63 OM-302-86 SHT 2 OEE-117-64	
N	FUSE AY 1TD12	4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 11	125 DC	10.00 0000000	OEE-117-64 OM-302-86 SHT 1 OEE-117-65	
O	FUSE AY 1TD13	4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 12	125 DC	10.00 0000000	OEE-117-65 OM-302-87 SHT 1 OEE-117-66	
P	FUSE AY 1TD14	4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 13	125 DC	10.00 0000000	OEE-117-66 OM-302-90 OEE-117-67	
Q	FUSE AY 1TD15	4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 14	125 DC	10.00 0000000	OEE-117-67 OM-302-86 SHT 1 OEE-117-83	
		4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 15			OEE-117-83	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 38

NORMAL POWER SOURCE
 IDCA 38

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3A

BLDG AUX ELEV 810 COORD LOC P-72

COMMENTS

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P W/D
 D/P ELEM
 DEVICE ELEM

R FUSE
 AY
 1TD16

4 KV SWITCHGEAR
 1TD CLOSE-TRIP

125 DC
 10.00
 000000

OM-302-87 SHT 1
 OEE-117-84

4 KV SWITCHGEAR 1TD CLOSE-TRIP UNIT 16

OEE-117-84

FDBKR

9.3 KVA STATIC
 INVERTER IDIB

125 DC
 0.00
 000000

O-705

IDIB
 33
 1

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 PAGE 3/17/89 39

NORMAL POWER SOURCE
 IDCB 3A

IDIC
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 ZDCA 5B

BLDG AUX ELEV 810 COORD LOC Q-72

COMMENTS

VOLTS FLA D/P W/D
 PHASE NOA D/P ELEM
 DEVICE ELEM

BUS COMPT UNIT TYPE UNIT LOAD TITLE
 D/P LOC D/P LOC D/P LOC BRANCH TITLE DEVICE DESCRIPTION

IDIC 01 1 BKR 125 0.00 DC 00G000 SPARE

IDIC 02 1 FDBKR 125 0.00 DC 000000 KEOWEE DATA MULTIPLEX CABINET NO. KMC2 0-1787

IDIC 03 1 FDBKR 125 0.03 DC 000000 4KV SWITCHGEAR IITE UNIT 13 LOAD SHED COMPLETE RELAYS 0-751-F OEE-117-1Z-1
 LOAD SHED COMPLETE RELAYS OEE-117-1Z-1

IDIC 04 1 BKR 125 0.00 DC 000000 SPARE

IDIC 05 1 FDBKR 125 0.00 DC 000000 UNIT 1 BACKUP RELAYING (1EB4) 0-715-K OEE-111-2

A FUSE FU 1EB4 125 0.00 DC 000000 UNIT 1 BACK-UP RELAYING 0-715-K OEE-111-2

IDIC 06 1 FDBKR 125 0.00 DC 000000 ESTERLINE-ANGUS RECORDER (1EB3, 2EB3 & 3EB2) 0-715-K OEE-111-6

A SLTB EAP 1EB3 125 0.00 DC 000000 ESTERLINE-ANGUS RECORDERS 0-715-K OEE-111-6

ESTERLINE-ANGUS RECORDER UNIT 1

ESTERLINE-ANGUS RECORDER UNIT 2

RELAY CKT FOR UNITS 1 & 2

ESTERLINE-ANGUS RECORDER UNIT 3

OEE-111-6

OEE-111-6

OEE-111-6

OEE-311-9

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 40

ALTERNATE POWER SOURCE
 ZDCA 5B

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC Q-72

COMMENTS

VOLTS FLA D/P W/D
 PHASE NOA D/P ELEM
 DEVICE ELEM

BUS COMPT UNIT TYPE UNIT LOAD TITLE
 DIST PT BRANCH TITLE
 D/P LOC DEVICE DESCRIPTION

RELAY CKT FOR UNIT 3

B SLTB ESTERLINE-ANGUS
 C4 RECORDERS
 3EB2 DC 125 0.00
 OEE-311-9

ESTERLINE-ANGUS RECORDER UNIT 3

RELAY CKT FOR UNIT 3

IDIC FDBKR NORMAL UNDERVOLT-
 07 AGE TRANSFER
 1 CHANNEL C DC 125 0.54
 OEE-117-1D

A SLTB NORMAL VOLTAGE
 NCP TRANSFER PH C DC 125 0.00
 1EPSLPI OEE-117-1D

RELAY CKT NORMAL U V XFER

IDIC FDBKR STARTUP UNDERVOLT-
 08 AGE TRANSFER
 1 CHANNEL C DC 125 0.76
 OEE-117-1G

A SLTB START-UP U V
 ECP TRANSFER PH C DC 125 0.00
 1EPSLPI OEE-117-1G

RELAY CKT START-UP UV XFER

IDIC FDBKR MAIN FEEDER BUS
 09 MONITOR RELAY
 1 U V LOGIC CH 2 DC 125 0.32
 OEE-117-1T

A SLTB MAIN FEEDER BUS
 1M2CP MONITOR U V LOGIC
 1MFBMRP CH 2 DC 125 0.00
 OEE-117-1T

RELAY CKT U V LOGIC

IDIC FDBKR 13.8KV UNDERVOLT-
 10 AGE ALARM
 1 DC 125 0.10
 OEE-120-2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 ZDCA 3B

3/17/89
 PAGE 41

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 810

COORD LOC Q-72

VOLTS FLA D/P M/D
 PHASE NGA D/P ELEM
 DEVICE DESCRIPTION DEVICE ELEM

0-766-E
 OEE-120-2

0EE-120-2

0-753-G
 OEE-117-1L

0-753-G
 OEE-117-1L

0EE-117-1L

0-791-A
 OEE-79

0-791-A
 OEE-79

0EE-79

0-751-F
 OEE-145-66

0-751-F
 OEE-145-66

0EE-145-66

0-753-H
 OEE-117-1N

0EE-117-1N

13.8 KV U V ALARM
 CIRCUIT

125 0.00
 DC 000000

13.8 KV UV ALARM RELAY CKT

125 0.44
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 1.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

13.8 KV U V ALARM
 CIRCUIT

125 0.00
 DC 000000

13.8 KV UV ALARM RELAY CKT

125 0.44
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 1.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

STANDBY BUS 1
 UNDERVOLTAGE
 PHASE C

125 0.44
 DC 000000

STAND-BY BUS NO 1
 U V PH C

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 1.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

CONTROL PMR FOR
 OCB NO 101

125 0.00
 DC 000000

CNTRL PMR FOR BKR
 OCB NO 101

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 1.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

CLOSE-TRIP CKT FOR BKR OCB 101
 RELAY CKT FOR BKR OCB 101

125 0.00
 DC 000000

EFDWP DISCH TO STM
 GEN 1B VLV FDM316

125 1.00
 DC 000000

EFDWP DISCH TO STM
 GEN 1B VLV FDM316

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 1.00
 DC 000000

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

SOL VLV 1SV201

125 0.00
 DC 000000

SOL VLV 1SV205

125 0.00
 DC 000000

STANDBY BUS 2
 UNDERVOLTAGE
 PHASE B

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

125 0.54
 DC 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 2DCA 3B

3/17/89
 PAGE 42

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC Q-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

A SLTB
 SBZBP
 1EPSLP2
 125 0.54
 DC 000000

STANDBY BUS 2 U V
 PH B

0-753-H
 OEE-117-IN

STANDBY BUS 2 U V RELAY CKT

OEE-117-IN

IDIC
 15
 1

FDBKR
 CRD DC BKR TRIP

125 0.00
 DC 000000

0-782-M
 OEE-139-03

CRD DC BKR TRIP CKT

OEE-139-03

IDIC
 16
 1

FDBKR
 600V LOAD CENTER
 1X2

125 0.00
 DC 000000

0-754-A
 OEE-116-2

A PNLBKR
 RF
 1X2

600 V LOAD CENTER
 1X2

OM-303-23
 OEE-116-2

B FUSE
 RA
 1X2

RELAY NO 27X CKT

125 0.00
 DC 000000

OM-303-23
 OEE-116-2

C FUSE
 RB
 1X2

RELAY NO 27X1 &
 27X2 CKT

125 0.00
 DC 000000

OM-303-23
 OEE-116-2

D FUSE
 RC
 1X2

RELAY NO 27X3 CKT

125 0.00
 DC 000000

OM-303-23
 OEE-116-2

E FUSE
 RD
 1X2

RELAY NO 27X4 &
 27X5 CKT

125 0.00
 DC 000000

OM-303-23
 OEE-116-2

CLOSE AND TRIP CKT
 FOR BKR NO 4A

OM-303-23
 OEE-116-3

G FUSE
 4EB
 1X2

CLOSING CKT FOR
 BKR NO 4A

125 0.00
 DC 000000

OM-303-23
 OEE-116-3

PULL OFF FUSE BLOCK
 SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IF 3/17/89
 SAFETY COLOR BLUE PAGE 43

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	ALTERNATE POWER SOURCE	COMMENTS
H	POFB 4EE 1X2	CLOSE AND TRIP CKT FOR BKR NO 4C	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 1X3	CLOSING CKT FOR BKR NO 4C	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	
J	POFB 4EG 1X2	CLOSE AND TRIP CKT FOR BKR NO 4D	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 1X2	CLOSING CKT FOR BKR NO 4D	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	
L	POFB 5EA 1X2	CLOSE AND TRIP CKT FOR BKR NO 5A	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 1X2	CLOSING CKT FOR BKR NO 5A	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	
N	POFB 5EC 1X2	CLOSE AND TRIP CKT FOR BKR NO 5B	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 1X2	CLOSING CKT FOR BKR NO 5B	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	SPARE BREAKER
P	POFB 5EE 1X2	CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
Q	FUSE 5EF 1X2	CLOSING CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	SPARE BREAKER
R	POFB 5EG 1X2	CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-303-23 OEE-116-3	2DCA 3B	PULL OFF FUSE BLOCK SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 2DCA 3B

3/17/89
 45
 PAGE

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC Q-72

COMMENTS

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P W/D
 D/P ELEM
 DEVICE ELEM

B	FUSE RA 1X4		RELAY NO 27X CKT	125 DC	0.00 0000000	OM-303-23 OEE-116-2	
C	FUSE RB 1X4		RELAY NO 27X1 & 27X2 CKT	125 DC	0.00 0000000	OM-303-23 OEE-116-2	
D	FUSE RC 1X4		RELAY NO 27X3 CKT	125 DC	0.00 0000000	OM-303-23 OEE-116-2	
E	FUSE RD 1X4		RELAY NO 27X4 & 27X5 CKT	125 DC	0.00 0000000	OM-303-23 OEE-116-2	
F	POFB 4EA 1X4		CLOSE AND TRIP CKT FOR BKR NO 4A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 1X4		CLOSING CKT FOR BKR NO 4A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
H	POFB 4EE 1X4		CLOSE AND TRIP CKT FOR BKR NO 4C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 1X4		CLOSING CKT FOR BKR NO 4C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
J	POFB 4EG 1X4		CLOSE AND TRIP CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 1X4		CLOSING CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
L	POFB 5EA 1X4		CLOSE AND TRIP CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNAT. POWER SOURCE 201A 3B

3/17/89
 PAGE 46

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 IDIC
 BLDG ALX ELEV 810

COORD LOC Q-72

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
M	FUSE 5EB 1X4		CLOSING CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
N	POFB 5EC 1X4		CLOSE AND TRIP CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 1X4		CLOSING CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-23 OEE-116-3	SPARE BREAKER
P	POFB 5EE 1X4		CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
Q	FUSE 5EF 1X4		CLOSING CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	SPARE BREAKER
R	POFB 5EG 1X4		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
S	FUSE 5EH 1X4		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	SPARE BREAKER
T	POFB 6EA 1X4		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 1X4		CLOSING CKT FOR BKR NO 6A	125 DC	0.00 0000000	OM-303-23 OEE-116-4	SPARE BREAKER
V	POFB 6EC 1X4		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 1X4		CLOSING CKT FOR BKR NO 6B	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 2DCA 3B

PAGE 3/17/89
 47

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

BLDG AUX ELEV 810 COORD LOC Q-72

COMMENTS

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA NOA D/P M/D D/P ELEM DEVICE ELEM

X POFB 6EE 1X4 CLOSE AND TRIP CKT FOR BKR NO 6C 125 0.00 0000000 OM-303-23 OEE-116-4 PULL OFF FUSE BLOCK SLUGGED SPARE BKR

Y FUSE 6EF 1X4 CLOSING CKT FOR BKR NO 6C 125 0.00 0000000 OM-303-23 OEE-116-4 SPARE BREAKER

Z POFB 6EG 1X4 CLOSE AND TRIP CKT FOR BKR NO 6D 125 0.00 0000000 OM-303-23 OEE-116-4 PULL OFF FUSE BLOCK SLUGGED

1 FUSE 6EH 1X4 CLOSING CKT FOR BKR NO 6D 125 0.00 0000000 OM-303-23 OEE-116-4 PULL OFF FUSE BLOCK SLUGGED

IDIC 18 1

F/BKR 600V LOAD CENTER 1X6 125 0.00 0000000 0-754-B OEE-116-2

A PNLBKR RF 1X6 600 V LOAD CENTER 1X6 125 0.00 0000000 OM-303-23 OEE-116-2

B FUSE RA 1X6 RELAY 27X CKT 125 0.00 0000000 OM-303-23 OEE-116-2

C FUSE RB 1X6 RELAY 27X1 & 27X2 CKT 125 0.00 0000000 OM-303-23 OEE-116-2

D FUSE RC 1X6 RELAY 27X3 CKT 125 0.00 0000000 OM-303-23 OEE-116-2

E FUSE RD 1X6 RELAY 27X4 & 27X5 CKT 125 0.00 0000000 OM-303-23 OEE-116-2

F POFB 4EA 1X6 CLOSE AND TRIP CKT FOR BKR NO 4A 125 0.00 0000000 OM-303-23 OEE-116-3 PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 2DCA 3B

PAGE 38
 3/17/89
 48

NORMAL POWER SOURCE
 IDCB 3A

IDIC
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC Q-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

BUS
 COMPT
 UNIT

BUS	COMPT	UNIT	TYPE UNIT	DIST PT	D/P LOC	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	FLA	NOA	D/P M/D	D/P ELEM	DEVICE ELEM	COMMENTS
G			FUSE	4EB	1X6			CLOSING CKT FOR BKR NO 4A	125	0.00	000000		OM-303-23	OEE-116-3	
H			POFB	4EE	1X6			CLOSE AND TRIP CKT FOR BKR NO 4C	125	0.00	000000		OM-303-23	OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
I			FUSE	4EF	1X6			CLOSING CKT FOR BKR NO 4C	125	0.00	000000		OM-303-23	OEE-116-3	
J			POFB	4EG	1X6			CLOSE AND TRIP CKT FOR BKR NO 4D	125	0.00	000000		OM-303-23	OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
K			FUSE	4EH	1X6			CLOSING CKT FOR BKR NO 4D	125	0.00	000000		OM-303-23	OEE-116-3	
L			POFB	5EA	1X6			CLOSE AND TRIP CKT FOR BKR NO 5A	125	0.00	000000		OM-303-23	OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
M			FUSE	5EB	1X6			CLOSING CKT FOR BKR NO 5A	125	0.00	000000		OM-303-23	OEE-116-3	
N			POFB	5EC	1X6			CLOSE AND TRIP CKT FOR BKR NO 5B	125	0.00	000000		OM-303-23	OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
O			FUSE	5ED	1X6			CLOSING CKT FOR BKR NO 5B	125	0.00	000000		OM-303-23	OEE-116-3	
P			POFB	5EE	1X6			CLOSE AND TRIP CKT FOR BKR NO 5C	125	0.00	000000		OM-303-23	OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
Q			FUSE	5EF	1X6			CLOSING CKT FOR BKR NO 5C	125	0.00	000000		OM-303-23	OEE-116-3	SPARE BREAKER

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

DUKE POWER COMPANY
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 DATE 3/17/89
 PAGE 49

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 ZUCA 5B

BLDG AUX ELEV 810

COMMENTS

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
R	POFB 5EG 1X6		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
S	FUSE 5EH 1X6		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-303-23 OEE-116-3	SPARE BREAKER
T	POFB 6EA 1X6		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 1X6		CLOSING CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
V	POFB 6EC 1X6		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 1X6		CLOSING CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
X	POFB 6EE 1X6		CLOSE AND TRIP CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 1X6		CLOSING CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
Z	POFB 6EG 1X6		CLOSE AND TRIP CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 6EH 1X6		CLOSING CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
IDIC 19 1	FDBKR		REACTOR COOLANT PUMPS SEAL INJECT- ION INTERLOCKS	125 DC	0.36 000000	0-766-D OEE-151-31	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR BLUE
 PAGE 50

NORMAL POWER SOURCE
 IDCB 3A

IDIC
 125 VDC INSTRUMENTATION
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 ZDCA 3B

ONE-LINE DMG NO F4-59
 BLDG AUX ELEV 810

COORD LOC Q-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS
 PHASE

FLA
 NOA

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

INTERLOCK RELAY CKT

0EE-151-31

IDIC
 20
 1

FDBKR

SWITCHGEAR MONITOR
 PANEL B2T

DC 125

0.00

0-751-R
 0EE-117-03-C & D

A
 SLTB
 P
 B2T PNL

4 KV SMGR B2T COIL
 MONITORING CKTS

DC 125

0.00

0-751-R
 0-E-117-3C

4 KV SMGR B2T MONITORING RELAY
 4 KV SMGR B2T MONITORING LIGHTS

0EE-117-3C
 0EE-117-3D

IDIC
 21
 1

FDBKR

STANDBY BUS 1
 UNDERVOLTAGE ALARM

DC 125

0.11

0-766-E
 0EE-117-1Q

U V RELAY CKT

0EE-117-1Q

IDIC
 22
 1

FDBKR

EMERGENCY AIR LOCK
 CONTROL PANEL

DC 125

0.00

0-769-R
 0EE-131-32

IDIC
 23
 1

FDBKR

UNIT 1 ALTERREX

DC 125

0.00

0-773-B
 0EE-110-2

IDIC
 24

FDBKR

SPARE

DC 125

0.00

IDIC
 25
 1

FDBKR

4 KV SWITCHGEAR
 BIT (5-10)
 (CLOSE-TRIP)

DC 125

0.00

0-751-K
 0EE-117-6 TO 11A

A

BKR
 AR
 BITS

4 KV SWITCHGEAR
 BIT CLOSE-TRIP

DC 125

0.00

0-751-K
 0EE-117-6A

B

FUSE
 AM
 BITS

4 KV SWITCHGEAR
 BIT CLOSE-TRIP

DC 125

10.41

0M-302-131
 0EE-117-6A & 6B

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 51

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
 ZDCA 5B

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

VOLTS
 PHASE
 NOA

COORD LCC Q-72

4 KV SMGR BIT CLOSE-TRIP CKT UNIT 5

0EE-117-6A AND 6B

C FUSE
 AW
 BIT6

4 KV SWITCHGEAR
 BIT CLOSE-TRIP

DC 125 10.79
 000000

OM-302-132
 OEE-117-7A & 7B

4 KV SMGR BIT CLOSE-TRIP CKT UNIT 6

0EE-117-7A & 7B

D FUSE
 AW
 BIT7

4 KV SWITCHGEAR
 BIT CLOSE-TRIP

DC 125 10.79
 000000

OM-302-133
 OEE-117-8A & 8B

4 KV SMGR BIT CLOSE-TRIP CKT UNIT 7

0EE-117-8A & 8B

E FUSE
 AY
 BIT7

STANDBY BUSS

DC 125 0.00
 000000

OM-302-133
 OEE-117-8A

STANDBY BUS RELAY CKT

0EE-117-8A

F FUSE
 AW
 BIT8

4 KV SWITCHGEAR
 BIT CLOSE-TRIP

DC 125 10.79
 000000

OM-302-134
 OEE-117-9A & 9B

4 KV SMGR BIT CLOSE-TRIP CKT UNIT 8

0EE-117-9A & 9B

G FUSE
 AW
 BIT9

4 KV SWITCHGEAR
 BIT CLOSE-TRIP

DC 125 10.47
 000000

OM-302-135
 OEE-117-10A & 10B

4 KV SMGR BIT CLOSE-TRIP CKT UNIT 9

0EE-117-10A & 10B

H FUSE
 AW
 BIT10

4 KV SWITCHGEAR
 BIT CLOSE-TRIP

DC 125 10.00
 000000

OM-302-136
 OEE-117-11A

4 KV SMGR BIT CLOSE-TRIP CKT UNIT 10

0EE-117-11A

IDIC
 26
 1

FDBKR
 4 KV SWITCHGEAR
 B2T (5-9) (TRIP)

DC 125 33.50
 000000

0-751-M
 OEE-117-19 TO 23B

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 52

NORMAL POWER SOURCE
 1DCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
A	BKR LE B2T5	4 KV SWITCHGEAR B2T TRIP	4 KV SWITCHGEAR B2T TRIP	125 DC	6.00 000000	0-751-M OEE-117-19A	
B	FUSE LC B2T5	4 KV SWITCHGEAR B2T TRIP	4 KV SWITCHGEAR B2T TRIP	125 DC	6.70 000000	OM-302-144 OEE-117-19A	
C	FUSE LC B2T6	4 KV SMGR B2T TRIP CKT UNIT 5 4 KV SWITCHGEAR B2T TRIP	4 KV SWITCHGEAR B2T TRIP	125 DC	6.70 000000	OEE-117-19A OM-302-145 OEE-117-20A	
D	FUSE LC B2T7	4 KV SMGR B2T TRIP CKT UNIT 6 4 KV SWITCHGEAR B2T TRIP	4 KV SWITCHGEAR B2T TRIP	125 DC	6.70 000000	OEE-117-20A OM-302-146 OEE-117-21A	
E	FUSE LC B2T8	4 KV SMGR B2T TRIP CKT UNIT 7 4 KV SWITCHGEAR B2T TRIP	4 KV SWITCHGEAR B2T TRIP	125 DC	6.70 000000	OEE-117-21A OM-302-147 OEE-117-22A	
F	FUSE LC B2T9	4 KV SMGR B2T TRIP CKT UNIT 8 4 KV SWITCHGEAR B2T TRIP	4 KV SWITCHGEAR B2T TRIP	125 DC	6.70 000000	OEE-117-22A OM-302-148 OEE-117-23A	

IDIC 27 1	FDBKR	4 KV SMGR B2T TRIP CKT UNIT 9 4 KV SWITCHGEAR B2T (10-13) (CLOSE-TRIP)	4 KV SWITCHGEAR B2T TRIP CKT UNIT 9	125 DC	30.00 000000	0-751-N OEE-117-24 TO 27B	
A	BKR AR B2T13	4 KV SWITCHGEAR B2T CLOSE-TRIP	4 KV SWITCHGEAR B2T CLOSE-TRIP	125 DC	30.00 000000	0-751-N OEE-117-27A	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 53

ALTERNATE POWER SOURCE
 20CA 3B

NORMAL POWER SOURCE
 IDCB 3A

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC Q-72

VOLTS FLA NOA
 PHASE

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
B	FUSE AM B2T13	4 KV SWGR B2T CLOSE-TRIP	4 KV SWITCHGEAR B2T CLOSE-TRIP	125 DC	10.00 0000000	OM-302-152 OEE-117-27A	
C	FUSE LF B2T12	4 KV SWGR B2T CLOSE-TRIP CKT UNIT 13	BUS 2 UNIT 1 BACK-UP RELAY TRIP	125 DC	0.00 0000000	OEE-117-27A & 27B OM-302-151 OEE-117-27A & 27B	
D	FUSE AM B2T10	RELAY CKT	4 KV SWITCHGEAR B2T CLOSE-TRIP	125 DC	10.00 0000000	OEE-117-27A & 27B OM-302-149 OEE-117-24A	
E	FUSE AM B2T11	4 KV SWGR B2T CLOSE-TRIP CKT UNIT 10	4 KV SWITCHGEAR B2T CLOSE-TRIP	125 DC	10.00 0000000	OEE-117-24A OM-302-150 OEE-117-25A	
		4 KV SWGR B2T CLOSE-TRIP CKT UNIT 11	4 KV SWITCHGEAR ITE (CLOSE-TRIP)	125 DC	0.00 0000000	OEE-117-25A	
A	BKR AM ITE1	4 KV SWITCHGEAR ITE CLOSE-TRIP	4 KV SWITCHGEAR ITE CLOSE-TRIP	125 DC	0.00 0000000	O-751-E OEE-117-68 TO 82	
B	FUSE AY ITE1	4 KV SWITCHGEAR ITE CLOSE-TRIP	4 KV SWITCHGEAR ITE CLOSE-TRIP	125 DC	10.00 0000000	OM-302-84 OEE-117-68	
C	FUSE AY ITE2	4 KV SWGR ITE CLOSE-TRIP CKT UNIT 1	4 KV SWITCHGEAR ITE CLOSE-TRIP	125 DC	10.00 0000000	OEE-117-68 OM-302-85 OEE-117-69	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR BLUE PACE 3/17/89
 54

ALTERNATE POWER SOURCE
 ZDCA 5B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DRG NO F4059

COORD LOC Q-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

NOMINAL POWER SOURCE
 IDCB 3A

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

4 KV SMGR ITE CLOSE-TRIP CKT UNIT 2

ITE LOAD SHED

125 0.00
 DC 000000

0EE-117-69
 7-751-E
 0EE-117-69

LOAD SHED RELAY CKT

4 KV SWITCHGEAR
 ITE CLOSE-TRIP

125 10.00
 DC 000000

0EE-117-69
 0M-302-87 SHT 1
 0EE-117-70

4 KV SMGR ITE CLOSE-TRIP CKT UNIT 3

4 KV SWITCHGEAR
 ITE CLOSE-TRIP

125 10.00
 DC 000000

0EE-117-70
 0M-302-88
 0EE-117-71

4 KV SMGR ITE CLOSE-TRIP CKT UNIT 4

4 KV SWITCHGEAR
 ITE CLOSE-TRIP

125 10.00
 DC 000000

0EE-117-71
 0M-302-87 SHT 2
 0EE-117-72

4 KV SMGR ITE CLOSE-TRIP CKT UNIT 5

4 KV SWITCHGEAR
 ITE CLOSE-TRIP

125 10.00
 DC 000000

0EE-117-72
 0M-302-87 SHT 2
 0EE-117-73

4 KV SMGR ITE CLOSE-TRIP CKT UNIT 6

4 KV SWITCHGEAR
 ITE CLOSE-TRIP

125 10.00
 DC 000000

0EE-117-73
 0M-302-89
 0EE-117-74

4 KV SMGR 1,2E CLOSE-TRIP CKT UNIT 7

4 KV SWITCHGEAR
 ITE CLOSE-TRIP

125 10.00
 DC 000000

0EE-117-74
 0M-302-87 SHT 2
 0EE-117-75

D FUSE
 F1
 ITE2

E FUSE
 AY
 ITE3

F FUSE
 AY
 ITE4

G FUSE
 AY
 ITE5

H FUSE
 AY
 ITE6

I FUSE
 AY
 ITE7

J FUSE
 AY
 ITE8

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 ZDCA 3B

3/17/89
 PAGE 55

NORMAL POWER SOURCE
 IDCB 3A

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
			4 KV SWGR ITE CLOSE-TRIP CKT UNIT 8	125 DC	10.00 000000	0EE-117-75 OM-302-86 SHT 2 0EE-117-76	
K	FUSE AY 1TE9		4 KV SWITCHGEAR ITE CLOSE-TRIP				
			4 KV SWGR ITE CLOSE-TRIP CKT UNIT 9	125 DC	10.00 000000	0EE-117-76 OM-302-86 SHT 2 0EE-117-77	
L	FUSE AY 1TE10		4 KV SWITCHGEAR ITE CLOSE-TRIP				
			4 KV SWGR ITE CLOSE-TRIP CKT UNIT 10	125 DC	10.00 000000	0EE-117-77 OM-302-86 SHT 1 0EE-117-78	
M	FUSE AY 1TE11		LOAD SHED RELAY CKT				
			4 KV SWGR ITE CLOSE-TRIP CKT UNIT 11	125 DC	10.00 000000	0EE-117-78 OM-302-87 SHT 1 0EE-117-79	
N	FUSE AY 1TE12		4 KV SWITCHGEAR ITE CLOSE-TRIP				
			4 KV SWGR ITE CLOSE-TRIP CKT UNIT 12	125 DC	10.00 000000	0EE-117-79 OM-302-8 SHT 1 0EE-117-8	
O	FUSE AY 1TE13		4 KV SWITCHGEAR ITE CLOSE-TRIP				
			4 KV SWGR ITE CLOSE-TRIP CKT UNIT 13	125 DC	10.00 000000	0EE-117-8A OM-302-90 0EE-117-81	
P	FUSE AY 1TE14		4 KV SWITCHGEAR ITE CLOSE-TRIP				
			4 KV SWGR ITE CLOSE-TRIP CKT UNIT 14	125 DC	10.00 000000	0EE-117-81 OM-302-87 SHT 1 0EE-117-82	
Q	FUSE AY 1TE15		4 KV SWITCHGEAR ITE CLOSE-TRIP				

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 2DCA 3B

3/17/89
 PAGE 56

NORMAL POWER SOURCE
 IDC8 3A

IDIC
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC Q-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM
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4 KV SMGR ITE CLOSE-TRIP CKT UNIT 15

0EE-117-82

R FUSE
 AX
 ITE0

4 KV SWITCHGEAR
 ITE CLOSE-TRIP
 DC 125 10.00
 000000

OM-302-599
 0EE-117-91

4 KV SMGR ITE CLOSE-TRIP CKT UNIT 0

0EE-117-91

S FUSE
 FU
 ITE0

MDEFMP MOTER 1B
 COOLING MTR VLV
 DC 125 0.50
 000000

0-751-F
 0EE-117-91

S0L VLV 1SV203

0EE-117-91

IDIC
 33
 1

FDBKR
 9.3 KVA STATIC
 INVERTER IDIC

DC 125 0.00
 000000

0-705

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE PAGE 3/17/89 57

NORMAL POWER SOURCE
 IDCB 3B

125 VDC INSTRUMENTATION

POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC R-72

ALTERNATE POWER SOURCE
 2DCB 3B

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

VOLTS
 FLA
 NDA

IDID 01
 1

SPARE

125 0.00
 DC 000000

0-787

NEOEE DATA
 MULTIPLEX CABINET
 NO. KMC1

IDID 02
 1

SPARE

125 0.00
 DC 000000

IDID 03
 1

SPARE

125 0.00
 DC 000000

0-797-A

EVENT RECORDER

IDID 04
 1

EVENT RECORDER

125 0.00
 DC 000000

0-766-D
 OEE-150-11

REACTOR COOLANT
 PUMP STARTUP
 INTERLOCKS

IDID 05
 1

REACTOR COOLANT
 PUMP STARTUP
 INTERLOCKS

125 0.26
 DC 000000

0EE-150-11

L P SERVICE MTR
 SYS MISC ALARMS

IDID 06
 1

L P SERVICE MTR
 SYS MISC ALARMS

125 0.05
 DC 000000

0EE-138-34

RELAY CKT

RELAY CKT

0-782-M
 OEE-139-04

CRD DC BKP TRIP

IDID 07
 1

CRD DC BKP TRIP

125 0.00
 DC 000000

0-715-L

DC TEST SUPPLY
 (IEB1)

IDID 08
 1

DC TEST SUPPLY
 (IEB1)

125 0.00
 DC 000000

IDID 09
 1

SPARE

125 0.00
 DC 000000

0-777
 OEE-117-1T

MAIN FEEDER BUS
 U V LOGIC

IDID 09
 1

MAIN FEEDER BUS
 U V LOGIC

125 0.21
 DC 000000

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE
 PAGE 3B
 3/17/89

NORMAL POWER SOURCE IDC B 3B
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810 COORD LOC R-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVIDE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
A	SLTB IMZDP IMFMRP	MAIN FEEDER BUS MONITOR U V LOGIC		125 DC	0.00 000000	0-777 OEE-117-1T	
RELAY CKT							
IDID 10 1	FDBKR	KEOWEE DATA MULTIPLEX GATE POSITION & CONTROL		125 DC	0.00 000000	0-1713-E	
IDID 11 1	BKR	SPARE		125 DC	0.00 000000		
IDID 12 1	BKR	SPARE		125 DC	0.00 000000		
IDID 13 1	FDBKR	600V LOAD CENTER 1X1		125 DC	0.00 000000	0-754-A OEE-116-2	
A	PNLBKR RF 1X1	600 V LOAD CENTER		125 DC	0.00 000000	OM-303-23 OEE-116-2	
B	FUSE RA 1X1	RELAY 27X CKT		125 DC	0.00 000000	OM-303-23 OEE-116-2	
C	FUSE RB 1X1	RELAY 27X1 & 27X2 CKT		125 DC	0.00 000000	OM-303-23 OEE-116-2	
D	FUSE RC 1X1	RELAY 27X3 CKT		125 DC	0.00 000000	OM-303-23 OEE-116-2	
E	FUSE RD 1X1	RELAY 27X4 & 27X5 CKT		125 DC	0.00 000000	OM-303-23 OEE-116-2	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 SAFETY SOURCE 2DCB 5B

3/17/89
 PAGE 59

NORMAL POWER SOURCE
 IDCB 5B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC R-72

COMMENTS

VOLTS FLA D/P N/D
 PHASE NOA DEVICE ELEM

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P N/D D/P ELEM DEVICE ELEM	COMMENTS
F	POFB 4EA 1X1		CLOSE AND TRIP CKT FOR BKR NO 4A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 1X1		CLOSING CKT FOR BKR NO 4A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
H	POFB 4EE 1X1		CLOSE AND TRIP CKT FOR BKR NO 4C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 1X1		CLOSING CKT FOR BKR NO 4C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
J	POFB 4EG 1X1		CLOSE AND TRIP CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 1X1		CLOSING CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
L	POFB 5EA 1X1		CLOSE AND TRIP CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 1X1		CLOSING CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
N	POFB 5EC 1X1		CLOSE AND TRIP CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
O	FUSE 5ED 1X1		CLOSING CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
P	POFB 5EE 1X1		CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 3B

3/17/89
 60

NORMAL POWER SOURCE
 IDCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3B

BLDG AUX ELEV 810 COORD LOC R-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
Q	FUSE 5EF 1X1		CLOSING CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	SPARE BREAKER
R	POFB 5EG 1X1		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
S	FUSE 5EH 1X1		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
T	POFB 6EA 1X1		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 1X1		CLOSING CKT FOR BKR NO 6A	125 DC	0.00 0000000	OM-303-23 OEE-116-4	
V	POFB 6EC 1X1		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
W	FUSE 6ED 1X1		CLOSING CKT FOR BKR NO 6B	125 DC	0.00 0000000	OM-303-23 OEE-116-4	SPARE BREAKER
X	POFB 6EE 1X1		CLOSE AND TRIP CKT FOR BKR NO 6C	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
Y	FUSE 6EF 1X1		CLOSING CKT FOR BKR NO 6C	125 DC	0.00 0000000	OM-303-23 OEE-116-4	SPARE BREAKER
Z	POFB 6EG 1X1		CLOSE AND TRIP CKT FOR BKR NO 6D	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
1	FUSE 6EH 1X1		CLOSING CKT FOR BKR NO 6D	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED

LISC NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE
 SAFETY CLASS ORANGE PAGE 3/17/89
 61

NORMAL POWER SOURCE
 IDC B 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG A/JX ELEV 810

ALTERNATE POWER SOURCE
 2DCB 3B

COMMENTS

BUS COMPT UNIT
 1DID
 14
 1

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE
 FLA
 NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

BUS COMPT UNIT	TYPE UNIT	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	PHASE	FLA	NOA	D/P M/D	D/P ELEM	DEVICE ELEM	COMMENTS
1DID 14 1	F0BKR 1X3	600V LOAD CENTER			125	DC	0.00	000000	0-754-A	OEE-116-2		
A	P0NLBKR RF 1X3	600 V LOAD CENTER			125	DC	0.00	000000	OM-303-23	OEE-116-2		
B	FUSE RA 1X3	RELAY 27X CKT			125	DC	0.00	000000	OM-303-23	OEE-116-2		
C	FUSE RB 1X3	RELAYS 27X1 & 27X2 CKT			125	DC	0.00	000000	OM-303-23	OEE-116-2		
D	FUSE RC 1X3	RELAY 27X3 CKT			125	DC	0.00	000000	OM-303-23	OEE-116-2		
E	FUSE RD 1X3	RELAYS 27X4 & 27X5 CKT			125	DC	0.00	000000	OM-303-23	OEE-116-2		
F	P0F0B 4EA 1X3	CLOSE AND TRIP CKT FOR BKR NO 4A			125	DC	0.00	000000	OM-303-23	OEE-116-3		PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 1X3	CLOSING CKT FOR BKR NO 4A			125	DC	0.00	000000	OM-303-23	OEE-116-3		
H	P0F0B 4EE 1X3	CLOSE AND TRIP CKT FOR BKR NO 4C			125	DC	0.00	000000	OM-303-23	OEE-116-3		PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 1X3	CLOSING CKT FOR BKR NO 4C			125	DC	0.00	000000	OM-303-23	OEE-116-3		
J	P0F0B 4EG 1X3	CLOSE AND TRIP CKT FOR BKR NO 4D			125	DC	0.00	000000	OM-303-23	OEE-116-3		PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FJ'E ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89
 62

NORMAL POWER SOURCE
 1DCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 2DCB 3B

COORD LOC R-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT DISTR PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
K	FUSE 4EH 1X3		CLOSING CKT FOR BKR NO 4D	125 DC	0.00 000000	OM-303-23 OEE-116-3	
L	POFB 5EA 1X3		CLOSE AND TRIP CKT FOR BKR NO 5A	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 1X3		CLOSING CKT FOR BKR NO 5A	125 DC	0.00 000000	OM-303-23 OEE-116-3	
N	POFB 5EC 1X3		CLOSE AND TRIP CKT FOR BKR NO 5B	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 1X3		CLOSING CKT FOR BKR NO 5B	125 DC	0.00 000000	OM-303-23 OEE-116-3	SPARE BREAKER
P	POFB 5EE 1X3		CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
Q	FUSE 5EF 1X3		CLOSING CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-303-23 OEE-116-3	BREAKER REMOVED
R	POFB 5EG 1X3		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
S	FUSE 5EH 1X3		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-303-23 OEE-116-3	SPARE BREAKER
T	POFB 6EA 1X3		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 1X3		CLOSING CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-303-23 OEE-116-3	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

B U K E P O R T C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89
 63
 ALTERNATE POWER SOURCE
 ZDCB 3B

NORMAL POWER SOURCE
 IDCB 3B

BUS COMPT UNIT	TYPE UNIT DISTR PT D/P LOC	LOAD TITLE BRANCH TITLE	DETAILED DESCRIPTION	VOLTS PHASE	FLA NCA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
V	POFB 6EC 1X3		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 1X3		CLOSING CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	
X	POFB 6EE 1X3		CLOSE AND TRIP CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 1X3		CLOSING CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	
Z	POFB 6EG 1X3		CLOSE AND TRIP CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED SPARE PKR
1	FUSE 6EH 1X3		CLOSING CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-303-23 OEE-116-4	SPARE BREAKER

IDID 15 1	FDBKR		600V LOAD CENTER 1X5	125 DC	0.00 000000	O-754-B OEE-116-2	
A	PNLBKR RF 1X5		600 V LOAD CENTER 1X5	125 DC	0.00 000000	OM-303-23 OEE-116-2	
B	FUSE RA 1X5		RELAY 27X CKT	125 DC	0.00 000000	OM-303-23 OEE-116-2	
C	FUSE RB 1X5		RELAYS 27X1 & 27X2 CKT	125 DC	0.00 000000	OM-393-23 OEE-116-2	
D	FUSE RC 1X5		RELAY 27X3 CKT	125 DC	0.00 000000	OM-303-23 OEE-116-2	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89
 64

ALTERNATE POWER SOURCE
 ZDCB 3B

NORMAL POWER SOURCE
 IDCB 3B

COMMENTS

D/P N/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

COORD LOC R-72

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	COORD LOC R-72	VOLTS PHASE	FLA NOA	D/P N/D D/P ELEM DEVICE ELEM	COMMENTS
E	FUSE RD 1X5		RELAYS 27X4 & 27X5 CKT		125 DC	0.00 000000	OM-303-23 OEE-116-2	
F	POFB 4EA 1X5		CLOSE AND TRIP CKT FOR BKR NO 4A		125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 1X5		CLOSING CKT FOR BKR NO 4A		125 DC	0.00 000000	OM-303-23 OEE-116-3	
H	POFB 4EE 1X5		CLOSE AND TRIP CKT FOR BKR NO 4C		125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 1X5		CLOSING CKT FOR BKR NO 4C		125 DC	0.00 000000	OM-303-23 OEE-116-3	
J	POFB 4EG 1X5		CLOSE AND TRIP CKT FOR BKR NO 4D		125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 1X5		CLOSING CKT FOR BKR NO 4D		125 DC	0.00 000000	OM-303-23 OEE-116-3	
L	POFB 5EA 1X5		CLOSE AND TRIP CKT FOR BKR NO 5A		125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 1X5		CLOSING CKT FOR BKR NO 5A		125 DC	0.00 000000	OM-303-23 OEE-116-3	
N	POFB 5EC 1X5		CLOSE AND TRIP CKT FOR BKR NO 5B		125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 1X5		CLOSING CKT FOR BKR NO 5B		125 DC	0.00 000000	OM-303-23 OEE-116-3	SPARE BREAKER

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 3/17/89
 65

NORMAL POWER SOURCE
 1DCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3B

BLDG AUX ELEV 810 COORD LOC R-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
P	POFB 5EE 1X5		CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
Q	FUSE 5EF 1X5		CLOSING CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-303-23 OEE-116-3	
R	POFB 5EG 1X5		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
S	FUSE 5EH 1X5		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-303-23 OEE-116-3	SPARE BREAKER
T	POFB 6EA 1X5		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 1X5		CLOSING CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-303-23 OEE-116-4	
V	POFB 6EC 1X5		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 1X5		CLOSING CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	
X	POFB 6EE 1X5		CLOSE AND TRIP CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 1X5		CLOSING CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	
Z	POFB 6EG 1X5		CLOSE AND TRIP CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR CRANGE PAGE 3/17/89
 2DCB 3B

NORMAL POWER SOURCE
 1DCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3B

BLDG AUX ELEV 810 COORD LOC R-72

COMMENTS

BUS UNIT TYPE UNIT LOAD TITLE DEVICE DESCRIPTION VOLTS FLA D/P M/D
 UNIT D/P LOC D/P LOC D/P PT D/P ELEM

I FUSE 6EH 1X5 CLOSING CKT FOR BKR NO 6D 125 6.00 000000 OM-303-23 OEE-116-4

IDID 16 1 FDBKR 600V LOAD CENTER 1X7 125 6.00 000000 0-754-C OEE-116-2

A FNLBKR RF 1X7 600 V LOAD CENTER 1X7 125 0.00 000000 OM-303-23 OEE-116-2

B FUSE RA 1X7 RELAY 27X CKT 125 0.00 000000 OM-303-23 OEE-116-2

C FUSE RB 1X7 RELAYS 27X1 & 27X2 CKT 125 0.00 000000 OM-303-23 OEE-116-2

D FUSE RC 1X7 RELAY 27X3 CKT 125 0.00 000000 OM-303-23 OEE-116-2

E FUSE RD 1X7 RELAYS 27X4 & 27X5 CKT 125 0.00 000000 OM-303-23 OEE-116-2

F POFB 4EA 1X7 CLOSE AND TRIP CKT FOR BKR NO 4A 125 0.00 000000 OM-303-23 OEE-116-3

G FUSE 4EB 1X7 CLOSING CKT FOR BKR NO 4A 125 0.00 000000 OM-303-23 OEE-116-3

H POFB 4FE 1X7 CLOSE AND TRIP CKT FOR BKR NO 4C 125 0.00 000000 OM-307-23 OEE-116-3

I FUSE 4FF 1X7 CLOSING CKT FOR BKR NO 4C 125 0.00 000000 OM-303-23 OEE-116-3

PULL OFF FUSE BLOCK
 SLUGGED

PULL OFF FUSE BLOCK
 SLUGGED

LIST NUMBER 08A
 PLANT CCDE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89
 67

NORMAL POWER SOURCE
 IDCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 ZDCB 3B

BLDG AUX ELEV 810 COORD LOC R-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/O D/P ELEM DEVICE ELEM	COMMENTS
J	POFB 4EG 1X7		CLOSE AND TRIP CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 1X7		CLOSING CKT FOR BKR NO 4D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
L	POFB 5EA 1X7		CLOSE AND TRIP CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 1X7		CLOSING CKT FOR BKR NO 5A	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
N	POFB 5EC 1X7		CLOSE AND TRIP CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
O	FUSE 5ED 1X7		CLOSING CKT FOR BKR NO 5B	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
P	POFB 5EE 1X7		CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED
Q	FUSE 5EF 1X7		CLOSING CKT FOR BKR NO 5C	125 DC	0.00 0000000	OM-303-23 OEE-116-3	
R	POFB 5EG 1X7		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
S	FUSE 5EH 1X7		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 0000000	OM-303-23 OEE-116-3	SPARE BREAKER
T	POFB 6EA 1X7		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 0000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 3/17/89
 68

NORMAL POWER SOURCE 1DCB 3B
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE -LINE DMS NO F4059
 BLDG AUX ELEV 810
 COORD LOC R-72

ALTERNATE POWER SOURCE
 2DCB 3B

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
U	FUSE 6EB 1X7		CLOSING CKT FOR BKR NO 6A	125 DC	0.30 000000	OM-303-23 OEE-116-4	
V	POFB 6EC 1X7		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 1X7		CLOSING CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-303-23 OEE-116-4	
X	POFB 6EE 1X7		CLOSE AND TRIP CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 1X7		CLOSING CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-303-23 OEE-116-4	
Z	POFB 6EG 1X7		CLOSE AND TRIP CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-303-23 OEE-116-4	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 6EH 1X7		CLOSING CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-303-23 OEE-116-4	

ID10 17 I
 SPARE
 125 0.00
 DC 000000

ID10 18 I
 FDBKR
 BIT COIL
 MONITORING
 125 0.11
 DC 000000
 O-751-Q
 OEE-117-3C & D

A
 SLTB
 P
 BIT PNL
 BIT COIL
 MONITORING
 125 0.00
 DC 000000
 O-751-Q
 OEE-117-3C & D

RELAY CKT

OEE-117-3C

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 69

NORMAL POWER SOURCE
 IDCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3B

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

BLDG AUX ELEV 810

COORD LOC R-72

VOLTS FLA
 PHASE NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

LIGHT CKT

OEE-117-3D

SPARE

125 0.00
 DC 000000

DC BREAKER
 STATUS LIGHTS

125 0.00
 DC 000000

0-714-F
 OEE-130-4

LIGHT CKT

OEE-130-4

STANDBY BUS 2
 UNDERVOLTAGE ALARM

125 0.11
 DC 000000

0-766-E
 OEE-117-1Q

RELAY CKT

OEE-117-1Q

PERSONNEL AIR LOCK
 CONTROL PANEL

125 0.00
 DC 000000

0-769-R
 OEE-131-42

GEN NO 1 HYDROGEN
 AND STATOR COOLING
 WATER PANEL

125 0.00
 DC 000000

0-774

SPARE

125 0.00
 DC 000000

4 KV SWITCHGEAR
 BIT (5-10)(TRIP)

125 0.00
 DC 000000

0-751-L
 OEE-117-6A TO 11A

4 KV SWITCHGEAR
 BIT TRIP

125 0.00
 DC 000000

0-751-L
 OEE-117-11A

4 KV SWITCHGEAR
 BIT TRIP

125 6.70
 DC 000000

0M-302-136
 OEE-117-11A

A

B

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 38

3/17/89
 70

ALTERNATE POWER SOURCE
 2DCB 3B

NORMAL POWER SOURCE
 IDCB 3B

COMMENTS

COORD LOC R-72

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICES DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P W/D
 D/P ELEM
 DEVICE ELEM

4KV SWITCHGEAR BIT TRIP UNIT 10

OEE-117-11A

4 KV SWITCHGEAR
 BIT TRIP
 DC 125 6.70
 000000

OM-302-131
 OEE-117-6A

4KV SWITCHGEAR BIT TRIP UNIT 5

OEE-117-6A

4 KV SWITCHGEAR
 BIT TRIP
 DC 125 6.70
 000000

OM-302-132
 OEE-117-7A

4 KV SWITCHGEAR BIT TRIP UNIT 6

OEE-117-7A

4 KV SWITCHGEAR
 BIT TRIP
 DC 125 6.70
 000000

OM-302-133
 OEE-117-8A

4 KV SWITCHGEAR BIT TRIP UNIT 7

OEE-117-8A

4 KV SWITCHGEAR
 BIT TRIP
 DC 125 6.70
 000000

OM-302-134
 OEE-117-9A

4 KV SWITCHGEAR BIT TRIP UNIT 8

OEE-117-9A

4 KV SWITCHGEAR
 BIT TRIP
 DC 125 6.70
 000000

OM-302-135
 OEE-117-10A

4 KV SWITCHGEAR BIT TRIP UNIT 9

OEE-117-10A

OCONEE CENTRAL
 SUPERVISORY (1EF6)
 DC 125 0.00
 000000

O-715-G
 OEE-80-2 TO 5

RELAY CKT

OEE-80-2 THRU 5

OCONEE SUPERVISORY
 MASTER
 DC 125 0.00
 000000

O-715-G
 OEE-80-2

ID10
 26
 1

A
 BKR
 SPI
 1EF6

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89
 2DCB 3B 71

NORMAL POWER SOURCE
 IDCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 2DCB 3B

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

COORD LOC R-72

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

0-715-G
 OEE-80-2

125 0.00
 DC 000000

0CONEE SUPERVISORY
 MASTER

0-751-N
 OEE-117-19A TO 23B

125 53.34
 DC 000000

4 KV SWITCHGEAR
 B2T (5-9)
 (CLOSE-TRIP)

0-751-N
 OEE-117-23A

125 53.34
 DC 000000

4 KV SWITCHGEAR
 B2T CLOSE-TRIP

0M-302-148
 OEE-117-23A

125 10.39
 DC 000000

4KV SMGR B2T CLOSE-TRIP UNIT 9

0EE-117-23A

125 0.11
 DC 000000

XFMR CT4 LOCKOUT

0EE-117-23A

RELAY CKT

4 KV SWITCHGEAR
 B2T CLOSE-TRIP

0M-302-144
 OEE-117-19A & 19B

125 10.43
 DC 000000

4KV SMGR B2T CLOSE-TRIP UNIT 5

0EE-117-19A

RELAY CKT

4 KV SWITCHGEAR
 B2T CLOSE-TRIP

0M-302-144
 OEE-117-19A

125 0.11
 DC 000000

XFMR CT5 LOCKOUT

0EE-117-19A

RELAY CKT

4 KV SWITCHGEAR
 B2T CLOSE-TRIP

0M-302-145
 OEE-117-20A & 20B

125 10.78
 DC 000000

4KV SMGR B2T CLOSE-TRIP UNIT 6

0EE-117-20A

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE PAGE 3/17/89

NORMAL POWER SOURCE
 1DCB 3B

ALTERNATE POWER SOURCE
 2DCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4000
 BLDG AUX ELEV 815
 FORD LOC R-72

BUS COMPT UNIT	TYPE UNIT D/P LC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
G	FUSE AM B2T7	4 KV SWITCHGEAR B2T CLOSE-TRIP	4KV SMGR B2T CLOSE-TRIP UNIT 7	125 DC	10.88 000000	OM-302-146 OEE-117-21A & 21B	
H	FUSE AY B2T7	STANDBY BUS LOCKOUT		125 DC	0.00 000000	OEE-117-21A OM-302-146 OEE-117-21A	
I	FUSE AM B2T8	4 KV SWITCHGEAR B2T CLOSE-TRIP	RELAY CKT	125 DC	10.75 000000	OEE-117-21A OM-302-147 OEE-117-22A & 22B	

J	FDBKR	4 KV SWITCHGEAR B2T (10-13) TRIP	4KV SMGR B2T CLOSE-TRIP UNIT 8	125 DC	20.10 000000	OEE-117-22A	
A	PHLBKR LE B2T10	4 KV SWITCHGEAR B2T TRIP		125 DC	20.10 000000	O-751-N OEE-117-24A TO 27A	
B	FUSE LC B2T10	4 KV SWITCHGEAR B2T TRIP		125 DC	6.70 000000	O-751-N OEE-117-24A OM-302-149 OEE-117-24A	
C	FUSE LC B2T11	4 KV SWITCHGEAR B2T TRIP	4KV SMGR B2T TRIP UNIT 10	125 DC	6.70 000000	OEE-117-24A OM-302-150 OEE-117-25A	
D	FUSE LC B2T13	4 KV SWITCHGEAR B2T TRIP	4KV SMGR B2T TRIP UNIT 11	125 DC	6.70 000000	OEE-117-25A OM-302-152 OEE-117-27A	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE
 SAFETY SOURCE 2DCB 3B

3/17/89
 73

NORMAL POWER SOURCE
 1DCB 3B

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2DCB 3B

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE
 BLDG AUX
 ELEV 810

VOLTS PHASE
 FLA NOA
 D/P M/D
 D/P ELEM
 DEVICE ELEM

COORD LOC R-72

COMMENTS

4KV SWGR B2T TRIP UNIT 13

0EE-117-27A

FDBKR

0.3 KVA STATIC
 INVERTER IDID

0-705

DC 125 0.00
 000000

IDID
 33
 1

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 3/17/89
 PAGE 74

NORMAL POWER SOURCE
 101D 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 812+4

ALTERNATE POWER SOURCE
 IKRA 06

COORD LOC R-72

BUS COMPT UNIT	TYPE UNIT DIST FT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
IKVID 01 1	FDBKR		NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM ID	120 0.00 1 000000	0-781-C	
IKVID 01 1	FDBKR		REACTOR COOLANT PUMP D POWER MONITOR	120 1.00 1 000000	0-719	
IKVID 01 1	FDBKR		CCM VACUUM PRIMING SYSTEM INTCT	120 0.00 1 000000	0-766-B 0EE-136-20	
			WATER LEVEL RELAY CKT		0EE-136-20 & 21	
			WATER LEVEL LATCHING RELAY CKT		0EE-136-22	
			PMP DISCH VLV SHUT-DOWN CONTROL CKT		0EE-136-23	
		S01 VLV 1SV45			0EE-136-24	
		S01 VLV 1SV46			0EE-136-24	
		S01 VLV 1SV47			0EE-136-24	
		S01 VLV 1SV48			0EE-136-24	
		S01 VLV 1SV49			0EE-136-24	
		S01 VLV 1SV50			0EE-136-24	
		S01 VLV 1SV39			0EE-136-24A	
		S01 VLV 1SV40			0EE-136-24A	
		S01 VLV 1SV41			0EE-136-24A	
		S01 VLV 1SV42			0EE-136-24B	
		S01 VLV 1SV43			0EE-136-24B	
		S01 VLV 1SV44			0EE-136-24B	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOUR ORANGE
 PAGE 3/17/89
 75

NORMAL POWER SOURCE
 IDID 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 812+4

COORD LOC R-72

ALTERNATE POWER SOURCE
 IKRA 06

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		S0L VLV ISV137				0EE-136-26	
		S0L VLV ISV138				0EE-136-26	
		RATOALARM FI/1/1				0EE-136-26	
		RATOALARM FI/1/2				0EE-136-26	
		RATOALARM FI/1/5				0EE-136-26	
		RATOALARM FI/1/6				0EE-136-26	
		S0L VLV ISV139				0EE-136-26A	
		S0L VLV ISV140				0EE-136-26A	
		RATOALARM FI/1/3				0EE-136-26A	
		RATOALARM FI/1/4				0EE-136-26A	
		RATOALARM FI/1/7				0EE-136-26A	
		RATOALARM FI/1/8				0EE-136-26A	
		MISC ALARM RELAY CKT				0EE-136-30	
		S0L VLV ISV51				0EE-136-30	
		S0L VLV ISV52				0EE-136-30	
		S0L VLV ISV53				0EE-136-31	
IKVID 04 1	BKR	SPARE		120	0.00		
				1	000000		
IKVID 05 1	FDBKR	AREA RADIATION MONITORS UNITS 1&2		120	0.00	0-1714-J	
				1	000000		
	FUSE BJ1 2VB3	RADIATION MONITOR IRIA-3		120	0.00	0-1714-J	SEE NOTE 3 ON DMG 0-1714-J
				1	000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOG LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 76

3/17/89

NORMAL POWER SOURCE
 101D 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 812+4

ALTERNATE POWER SOURCE
 IKRA 06

COORD LOC R-72

COMMENTS

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

D/P M/D
 D/P ELEM
 DEVICE ELEM

TYPE UNIT
 DIST PT
 D/P LOC

VOLTS
 FLA
 NOA

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

SEE NOTE 3 ON DMG
 0-1714-J

1 120 0.00
 000000

1 120 0.00
 000000

1 120 0.00
 000000

1 120 0.00
 000000

1 120 0.00
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1 120 0.00
 000000

1 120 0.00
 000000

1 120 0.00
 000000

1 120 0.00
 000000

1 120 0.00
 000000

1 120 0.00
 000000

RADIATION MONITOR
 RIA-6

RADIATION MONITOR
 RIA-9

RADIATION MONITOR
 RIA-12

RADIATION MONITOR
 RIA-15

RADIATION MONITOR
 2RIA-2

RADIATION MONITOR
 2RIA-5

RADIATION MONITOR
 2RIA-17

RADIATION MONITOR
 1RIA-2

RADIATION MONITOR
 1RIA-5

RADIATION MONITOR
 RIA-8

RADIATION MONITOR
 RIA-11

FUSE
 BJ3
 2VB3

FUSE
 BJ5
 2VB3

FUSE
 BJ7
 2VB3

FUSE
 BJ9
 2VB3

FUSE
 BJ11
 2VB3

FUSE
 BJ13
 2VB3

FUSE
 BJ15
 2VB3

FUSE
 BK1
 2VB3

FUSE
 BK3
 2VB3

FUSE
 BK5
 2VB3

FUSE
 BK7
 2VB3

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 120 VAC VIT'L INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F-059
 BLDG AUX ELEV 812+4

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 ALTERNATE POWER SOURCE
 IKRA 06

3/17/99
 77

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVIDE DESCRIPTION	VOLTS PHASE	FLA MGA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
M	FUSE BK9 2VB3		RADIATION MONITOR RIA-14	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
N	FUSE BK11 2VB3		RADIATION MONITOR RIA-17	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
O	FUSE BK13 2VB3		RADIATION MONITOR 2RIA-4	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
P	FUSE BK15 2VB3		RADIATION MONITOR 2RIA-16	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
Q	FUSE BL1 2VB3		RADIATION MONITOR RIA-1	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
R	FUSE BL3 2VB3		RADIATION MONITOR RIA-4	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
S	FUSE BL5 2VB3		RADIATION MONITOR RIA-7	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
T	FUSE BL7 2VB3		RADIATION MONITOR RIA-10	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
U	FUSE BL9 2VB3		RADIATION MONITOR RIA-15	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
V	FUSE BL11 2VB3		RADIATION MONITOR RIA-16	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J
W	FUSE BL15 2VB3		RADIATION MONITOR 2RIA-3	120 1	0.00 000000	0-1714-J	SEE NOTE 3 ON DWG 0-1714-J

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 3/17/89
 78

NORMAL POWER SOURCE
 IDID 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4G59
 BLDG AUX ELEV 812+4

ALTERNATE POWER SOURCE
 IKRA 06

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COORD LOC R-72	COMMENTS
X	FUSE BL15 2VB3	RADIATION MONITOR 2RIA-10	120	0.00 000000	0-1714-J		SEE NOTE 3 ON DWG 0-1714-J
Y	FUSE BL17 2VB3	RADIATION MONITOR RIA-CPI	120	0.00 000000	0-1714-J		SEE NOTE 3 ON DWG 0-1714-J
IKVID 06 1	FDBKR	REACTOR COOLANT PUMPS 1A1&1A2 ALARM AUX	120	0.00 000000	0-720-A 0EE-150-9 & 12		
		0 SPEED SWITCH OS1			0EE-150-9		
		0 SPEED SWITCH OS2			0EE-150-9		
		0 SPEED SWITCH OS3			0EE-150-9		
		0 SPEED SWITCH OS4			0EE-150-9		
		0 SPEED SWITCH OS5			0EE-150-9		
		0 SPEED SWITCH OS6			0EE-150-9		
		ALARM RELAY CKT			0EE-150-9		
		RC PMP OIL TNK ALARM RELAY CKT			0EE-150-12		
IKVID 07 1	FDBKR	REACTOR COOLANT PUMPS 1B1&1B2 ALARM AUX	120	0.00 000000	0-720-A 0EE-150-10 & 12		
		0 SPEED SWITCH OS7			0EE-150-10		
		0 SPEED SWITCH OS8			0EE-150-10		
		0 SPEED SWITCH OS9			0EE-150-10		
		0 SPEED SWITCH OS10			0EE-150-10		
		0 SPEED SWITCH OS11			0EE-150-10		

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE Iⁿ = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE PAGE 3/17/89
 79

NORMAL POWER SOURCE
 IDID 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 812+4

ALTERNATE POWER SOURCE
 IKRA 06

COORD LOC R-72

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM
		0 SPEED SWITCH OS12				0EE-150-10
		ALARM RELAY CKT				0EE-150-10
		RC PMP OIL TNK ALARM RELAY CKT				0EE-150-12
						0-715-G
IKVID 08 1	FDBKR		OCONEE CENTRAL SUPERVISORY TIE EXHAUST FAN	120 1	0.00 000000	
IKVID 09 1	FDBKR		EFNP STEAM ADMISS- ION VALVE	120 1	0.08 000000	0-711-C 0EE-147-2
						0EE-147-2
						0EE-147-2
IKVID 10 1	BKR		SOLE VLV 1SV74 RELAY CKT	120 1	0.00 000000	
IKVID 11 1	BKR		SPARE	120 1	0.00 000000	
IKVID 12 1	FDBKR		ISOLATING TRANSFER DIODE 1ADD	120 1	0.00 000000	0-759-F
IKVID 13 1	BKR		SPARE	120 1	0.00 000000	
IKVID 14 1	FDBKR		CONTROL ROD DRIVE CABINET DC-2	120 1	0.00 000000	0-782-G
IKVID 15 1	BKR		SPARE	120 1	0.00 000000	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89 80

NORMAL POWER SOURCE
 IDID 33

IKVID
 120 VAC VITAL INSTR
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 IKRA 06

ONE-LINE DNG NO F4059
 BLDG AUX ELEV 812+4 COORD LOC R-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
IKVID 16 1	BKR		SPARE	120 1	0.00 000000		
IKVID 17 1	BKR		SPARE	120 1	0.00 000000		
IKVID 18 1	BKR		SPARE	120 1	0.00 000000		
IKVID 19 1	BKR		SPARE	120 1	0.00 000000		

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

IKI	120 VAC-1PH ICS POWER PAN ELBOARD
IKRA	240/120 VAC-1PH REGULATED POWER PANELBOARD
IKRB	240/120 VAC 1PH REGULATED POWER PANELBOARD
IKU	240/120 VAC-1PH COMPUTER POWER PANELBOARD
IKX	120 VAC 1PH AUXILIARY POW ER SYSTEM PANELBOARD

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE
 IDCB 3E

PAGE 1

3/17/89

NORMAL POWER SOURCE
 IDCA 3E

120 VAC-1PH ICS POWER PAN
 ELBOARD

ONE-LINE DIAG NO F4059

BLDG AB ELEV 807+00 COORD LOC R-72

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

BUS
 COMPT
 UNIT

IKI 01 1 FDBKR 1 120 0.00 0.00000 0-785-B
 HAND POWER (ICS)

IKI 02 1 FDBKR 1 120 11.00 0.00000 0-759-F
 ISO TRANSFER DIODE
 LADF OM-346-52

IKI 03 1 FDBKR 1 120 0.00 0.00000 0-785-C
 EMERGENCY POWER
 (ICS) NO 1

LEVEL TRANSMITTER #ISS11A-LT5 OM-201.H-46

LEVEL TRANSMITTER #ISS11B-LT4 OM-201.H-46

LEVEL TRANSMITTER #IRC-LT2 OM-201.H-46

LEVEL TRANSMITTER #IRC1-LT3 OM-201.H-46

IKI 04 1 FDBKR 1 120 0.00 0.00000 0-783-A
 MOVABLE INCORE DET
 CONTROL CAB

IKI 05 1 FDBKR 1 120 0.00 0.00000 0-785-C
 EMERGENCY POWER
 (ICS) NO 2

LEVEL TRANSMITTER #ISS11A-LT4 OM-201.H-46

LEVEL TRANSMITTER #ISS11B-LT5 OM-201.H-46

LEVEL TRANSMITTER #IRC1-LT1 OM-201.H-46

IKI 06 1 FDBKR 1 120 0.00 0.00000 0-782-M
 CRD PRIMARY TRIP
 BREAKER ASSY UNIT
 #10

IKI 08 1 FDBKR 1 120 0.00 0.00000 0-785-G
 SIMULATOR POWER
 ICS (TEMP)

COMMENTS

LIST NUMBER 08A
 PLANT CODE C OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 ALTERNATE POWER SOURCE
 IDCB 3E

3/17/89
 PAGE 2

NORMAL POWER SOURCE
 IDCA 3E

120 VAC-3PH ICS POWER PAN
 ELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 CORD L R-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

IKI 09 FDBKR EMER STEAM GENERA- TOR LEVEL CONTROL 1 120 0.00 0-785-B
 1 1 000000

IKI 10 FDBKR NUCLEAR INSTR.5TH CHANNEL 1 120 0.00 0-781-D
 1 1 000000

IKI 11 FDBKR STATALARMS ON VERT BD ISA7,8,9 & 18 1 120 0.00 0-714-I
 1 1 000000

A SLTB M1 STATALARM #ISA8 1 120 0.00 0-714-I
 1VB2 1 000000

B SLTB K1 STATALARM #ISA7 1 120 0.00 0-714-I
 1VB2 1 000000

C SLTB J11 SEISMIC TRIGGER INTERFACE MODULE 1 120 0.00 0-714-I
 1VB2 1 000000

D SLTB X81 STATALARM #ISA8 1 120 0.00 0-714-M
 1VB3 1 000000

E SLTB Y23 STATALARM #ISA9 1 120 0.00 0-714-M
 1VB3 1 000000

F SLTB R72 SEISMIC SWITCH CONTROLS 1 120 0.00 0-714-L
 1VB3 1 000000

IKI 12 FDBKR BATT GRD DETECTOR LIGHTS 1 120 0.04 0-715-L
 1 1 000000

A SLTB IBL BATTERY GROUND DETECTOR LIGHTS 1 120 0.04 0-715-L
 1EB1 1 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 3

NORMAL POWER SOURCE
 IDCA 3E

120 VAC-1PH ICS POWER PAN
 ELBOARD
 ONE-LINE DWG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-72

ALTERNATE POWER SOURCE
 IDCB 3E

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
IKI 13 1	FDBKR		KEOWEE-OCONEE INT CAB # KOICA	120 0.00 1 000000	0-799-A	XFMR 120VAC/24VAC
IKI 14 1	FDBKR		KEOWEE-OCONEE INT CAB # KOICB	120 0.00 1 000000	0-799-B	XFMR 120VAC/24VAC
IKI 15 1			SPARE	120 0.00 1 000000		
IKI 16 1			SPARE	120 0.00 1 000000		
IKI 17 1			SPARE	120 0.00 1 000000		
IKI 18 1			SPARE	120 0.00 1 000000		
IKI 19 1			SPARE	120 0.00 1 000000		
IKI 20 1	FDBKR		COMP ISOL RB PRESS RB LEVEL & RB RAD	120 0.12 1 000000	0-711-H OEE-123-1	
A	SLTB S110 1UB2		COMP ISOLATOR FOR RB RAD MONITOR	120 0.04 1 000000	0-711-H OEE-123-1	
B	SLTB S112 1UB2		COMP ISOLATOR FOR RB LEVEL	120 0.04 1 000000	0-711-H OEE-158-21	
C	SLTB S114 1UB2		COMP ISOLATOR FOR RB PRESSURE	120 0.04 1 000000	0-711-H OEE-158-20	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE PAGE
 SAFETY COLOR IDCB 3E 3/17/89 4

NORMAL POWER SOURCE
 IDCA 3E

ALTERNATE POWER SOURCE
 IDCB 3E

120 VAC-1PH ICS POWER PAN
 ELBOARD

ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
IKI 21 1			120	0.00		SPARE
IKI 22 1			120	0.00		AUTO POWER ICS 0-785-B

1 120 000000

1 120 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE LABEL = A6

DUKE POWER COMPANY
 COONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR LXP

ALTERNATE POWER SOURCE
 FLAB

3/17/89
 PAGE 5

NORMAL POWER SOURCE
 LXD FIE

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC Q-72

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

STAT SWITCH &
 INVERTER BYPASS NO
 IKI

0-759-E

120 0.00
 1 009000

STAT SWITCH &
 INVERTER BYPASS NO
 IKX

120 0.00
 1 000000

0-759-E

AC VITAL INSTRU
 PMR PNLBD # 1KVIA
 TRANSFER SWITCH

120 0.00
 1 000000

0-759-E

AC VITAL INSTRU
 PMR PNLBD # 1KVIB
 TRANSFER SWITCH

120 0.00
 1 000000

0-759-E

AC VITAL INSTRU
 PMR PNLBD # 1KVIC
 TRANSFER SWITCH

120 0.00
 1 000000

0-759-E

AC VITAL INSTRU
 PMR PNLBD # 1KVID
 TRANSFER SWITCH

120 0.00
 1 000000

0-759-E

STATIC SWITCH &
 INVERTER BYPASS NO
 IKU

240 0.00
 1 000000

0-759-E

STATIC INVERTER
 #1KOAC

240 0.00
 1 000000

0-759-Q

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS FLA
 PHASE NDA

COMMENTS

IKRA 01 1

IKRA 02 1

IKRA 03 1

IKRA 04 1

IKRA 05 1

IKRA 06 1

IKRA 13 1

IKRA 15 1

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE PAGE 3/17/89
 SAFETY COLOR IXP F1AB

NORMAL POWER SOURCE
 1X0 F1E

240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 8LDG AB ELEV 809+00 COORD LOC QA-72

ALTERNATE POWER SOURCE
 IXP F1AB

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
1KRB 01 1	FDBKR	H2 STATOR COOLING WATER PANEL		1 120	0.00 000000	0-774 OEE-113-4	
		CORE MONITOR #CM-1				OM-335-97	
		SOLENOID VALVE #20-ESOP-X				OEE-113-4	
A	FUSE FU H2 STCØ PL	GAS DRYER HEATER		1 120	4.17 000000	0-774 OM-335-97	500M HEATER
B	FUSE FU H2 STCØ PL	H2 STATOR COOLING SYSTEM		1 120	0.00 000000	0-774 OM-335-97 & 98	
		SOLENOID VALVE #20-23				OM-335-97	
		SOLENOID VALVE #20-27				OM-335-97	
		SOLENOID VALVE #20-95				OM-335-98	
		BELL #74-ACB				OM-335-97	
		TEMPERATURE METER #23-1				OM-335-97	
		THERMAL GAS ANALYZER #TGA				OM-335-97	
		TEMPERATURE METER #23-9				OM-335-98	
		CONDUCTIVITY MONITOR #CDM-1				OM-335-98	
		CONDUCTIVITY RECORDER #CDR-1				OM-335-98	
		TEMPERATURE INDICATOR #T-1				OM-335-98	
		TEMPERATURE INDICATOR #T-2				OM-335-98	
		RELAY CIRCUIT FOR H2 STATOR COOL. PNL.				OM-335-97 & 98	
C	FUSE FU H2 STCØ PL	H2 STATOR COOLING PANEL LIGHTING		1 120	1.50 000000	0-774 OM-335-97	TOTAL 160 WATTS

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U R E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR LXP
 ALTERNATE POWER SOURCE
 FLAB

3/17/89
 PAGE 7

NORMAL POWER SOURCE
 1X0 FLE

240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72

COMMENTS

TYPE UNIT LOAD TITLE D/P M/D
 DIST PT BRANCH TITLE D/P ELEM
 D/P LOC DEVICE DESCRIPTION NOA DEVICE ELEM

IKRB 02 1 FDBKR 1 120 0.00 0.00
 COMPUTER CLOCK
 POWER 0-714-I

IKRB 03 1 FDBKR 1 120 0.00 0.00
 TURBINE CONTROL
 PANEL # 11P1 0-770-A
 OEE-122-14

A SLTB 1 120 0.33 0.33
 SLI 1TP2
 EXPANSION RECORDER 0-770-B

B SLTB 1 120 0.19 0.19
 ILI 1TP2
 SPEED & VALVE
 POSITION RECORDER 0-770-B

C SLTB 1 120 0.50 0.50
 RLI 1TP2
 VIBRATION & ECCENT
 RECORDER & SWITCH-
 ING UNIT 0-770-B

D SLTB 1 120 0.00 0.00
 SVI 1TP2
 SHAFT VOLT TEST
 CONTROLS 0-770-B
 OEE-121-42

SOLENOID VALVE #20-SVTD OEE-121-42
 VOLT METER #VN-SVTD OEE-121-42

E SLTB 1 120 0.00 0.00
 F6ABX 1TP2
 TURBINE AUX HYDR.
 FLUID TEMP CONTROL
 CIRCUIT 0-770-B
 OEE-122-3

FAN MOTOR #HF-1 OEE-122-3
 FAN MOTOR #HF-2 OEE-122-3

RELAY CIRCUIT FOR HYDR FLUID TEMP CONT OEE-122-3
 TURBINE AUX LIFT
 PUMP ALARM RELAY
 CIRCUIT 0-770-A
 OEE-122-14 & 15

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K P O W E R C O M P A N Y
 KCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IXP
 ALTERNATE POWER SOURCE FLAB

3/17/89
 PAGE 8

NORMAL POWER SOURCE
 IXP FLE

240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 ICRB

BLDG AB ELEV 809+00 COORD LOC QA-72

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA D/P M/D D/P ELEM D/P ELEM COMMENTS
 D/P LOC D/P LOC NOA DEVICE ELEM

IKRB 04 1 FDBKR 1 120 0.00 000000 0-775-A OEE-147-6
 STEAM GENERATOR FEEDWATER PANEL

A SLTB 1 120 9.00 000000 0-775-A
 L ISGFP STEAM GENERATOR FEEDWATER PANEL RECEPTACLES

B SLTB 1 120 0.00 000000 0-775-A OEE-147-6
 L ISGFP STM GEN FEEDWATER PANEL LIGHTS & INDICATING LIGHTS

IKRB 05 1 SPARE 1 120 0.00 000000

IKRB 06 S FDBKR 1 120 0.00 000000 0-1727 OEE-229-04
 TURBINE BLDG BSMT WATER DETECTION SYSTEM

A FUSE 1 120 0.00 000000 0-1727 OEE-229-04
 TW1 TBWL PNL CONTACTOR INTER-LOCK CIRCUIT

B FUSE 1 120 0.21 000000 0-1727 OEE-229-04
 TW7 TBWL PNL EMERG HIGH LEVEL DETECTION CIRCUIT

C FUSE 1 120 0.21 000000 0-1727 OEE-229-05
 TW8 TBWL PNL ALERT LEVEL DETECTION CIRCUIT

IKRB 07 1 SPARE 1 120 0.00 000000

IKRB 08 1 SPARE 1 120 0.00 000000

IKRB 09 1 FDBKR 1 120 0.00 000000 0-787
 KEONEE MULTIPLEX CABS VENT FANS

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

NORMAL POWER SOURCE
 IXP FILE

IKRB
 240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-72

ALTERNATE POWER SOURCE
 LXP FLAB

3/17/89
 PAGE 9

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

VOLTS
 PHASE

FLA
 NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

IKRB 10 1
 FDBKR 1 120 0.00 000000
 O-748-A
 OEE-148-13

A SLTB
 HBL
 HBP SECT B 1 120 1.29 000000
 O-748-B
 OEE-148-13 & 14

SOLENOID VALVE #1SV63
 RELAY CIRCUIT FOR SOL VLV #1SV63
 OEE-148-13

SOLENOID VALVE #1SV67
 RELAY CIRCUIT FOR SOL VLV #1SV67
 OEE-148-14

B SLTB
 HBL
 HBP SECT B 1 120 1.12 000000
 O-748-B
 OEE-154-36 & 37

MOISTURE SEPARATOR
 DRAIN CONTROLS
 SOLENOID VALVE #1SV141
 SOLENOID VALVE #1SV142
 OEE-154-36

SOLENOID VALVE #1SV143
 SOLENOID VALVE #1SV144
 SOLENOID VALVE #1SV145
 SOLENOID VALVE #1SV146
 OEE-154-36

RELAY CIRCUIT FOR MOISTURE SEP. DR. CONT
 HTR DRAIN TANK
 PUMP RECIRC.
 CONTROLS
 OEE-154-37

C SLTB
 HBL
 TB130 1 120 0.75 000000
 O-748-C
 OEE-148-15

SOLENOID VALVE #1SV123
 SOLENOID VALVE #1SV124
 OEE-148-15

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 ALTERNATE POWER SOURCE
 IXP FIAB

3/17/89
 10

NORMAL POWER SOURCE
 1XD FIE

240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

COORD LOC QA-72

VOLTS FLA
 PHASE NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

8US COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	COORD LOC QA-72	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		SOLENOID VALVE #1SV125				0EE-148-15	
		SOLENOID VALVE #1SV126				0EE-148-15	
D	SLTB HBL TB130	HTRS E1,E2,F1,F2, & F3 WATER LEVEL SWITCHES		1 120	0.00 000000	0-748-G 0EE-148-20	
		LEVEL SWITCH #1LS17				0EE-148-20	
		LEVEL SWITCH #1LS18				0EE-148-20	
		LEVEL SWITCH #1LS19				0EE-148-20	
		LEVEL SWITCH #1LS20				0EE-148-20	
		LEVEL SWITCH #1LS21				0EE-148-20	
		RELAY CIRCUIT FOR FM HTRS LEVEL SMS				0EE-148-20	
E	SLTB HBL TB101	HP HTR #A1 & C BLEED LINE MTR LEV ,EMERG HI LEV SW		1 120	0.00 000000	0-748-E 0EE-148-20 & 22	
		LEVEL SWITCH #1LS1				0EE-148-20	
		LEVEL SWITCH #1LS87				0EE-148-22	
		RELAY CIRCUIT FOR MTR #A1 LEV EMERG HI				0EE-148-22	
		RELAY CIRCUIT FOR HTR #A1 BLANKET PRESS				0EE-148-15	
F	SLTB HBL TB102	HP HTR #A2 MTR LEV SW & EMERG HI LEV SW		1 120	0.00 000000	0-748-E 0EE-148-20 & 22	
		LEVEL SWITCH #1LS2				0EE-148-20	
		RELAY CIRCUIT FOR HTR #A2 LEV EMERG HI				0EE-148-22	
		RELAY CIRCUIT FOR HTR #A2 BLANKET PRESS				0EE-148-15	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IXP
 ALTERNATE POWER SOURCE
 F I A B

3/17/89
 11
 PAGE

NORMAL POWER SOURCE
 IXO FIE

240/120 VAC 1PH REGULATED
 POWER PANEL GUARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-72

BUS UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA NOA D/P M/D D/P ELEM COMMENTS

G SLTB HBL TB103 HP HTR #B1 MTR LEV SM & EMERG HI LEV SM 1 120 0.00 000000 0-748-F OEE-148-20 & 22

LEVEL SWITCH #1LS3
 RELAY CIRCUIT FOR HTR #B1 LEV EMERG HI
 RELAY CIRCUIT FOR HTR #B1 BLANKET PRESS

H SLTB HBL TB104 HP HTR #B2 MTR LEV SM & EMERG HI LEV SM 1 120 0.00 000000 0-748-F OEE-148-20 & 22

LEVEL SWITCH #1LS4
 RELAY CIRCUIT FOR HTR #B2 LEV EMERG HI
 RELAY CIRCUIT FOR HTR #B2 BLANKET PRESS

FDBKR COMPUTER TRANSDUCERS (PRIMARY SUPPLY)
 PRIMARY POWER SUPPLY 115VAC/26VDC
 CURRENT TRANSMITTER #1MT71
 CURRENT TRANSMITTER #1MT72
 BAROMETRIC PRESSURE TRANSMITTER #1ET58

FDBKR AREA EVACUATION HORN
 SOLENOID VALVE #SV135
 TIMER #T1
 TIMER #T2

IKRB
 11
 1

0-789-B
 0-789-B
 0-789-C
 0-789-C
 0-789-C

1 120 0.00 000000
 1 120 0.00 000000
 1 120 0.00 000000

IKRB
 12
 1

0-766-E
 OEE-23
 OEE-23
 OEE-23
 OEE-23

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IXP FIAB

3/17/89
 PAGE 12

NORMAL POWER SOURCE
 1X0 F1E

240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 IXP FIAB

BLDG AB ELEV 809+00 COORD LOC QA-72

D/P W/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PH/SE NOA

COMMENTS

BUS TYPE UNIT
 COMPT DIST PT
 UNIT D/P LOC

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

RELAY CIRCUIT FOR AREA EVACU HORN

0EE-23

AREA EVACUATION
 HORN CUTOFF SOL.
 VLV #SV137

0-711-D
 0EE-23

1 120 0.00
 1 000000

SOLENOID VALVE #SV137

0EE-23

RELAY CIRCUIT FOR SOL VLV #SV137

0EE-23

SPARE

1 120 0.00
 1 000000

SIMULATOR FAN PWR
 ICS

0-785-G

1 120 0.00
 1 000000

FAN POWER ICS

0-785-B

1 120 0.00
 1 000000

ALARMED HUMIDITY
 SENSOR SYSTEM

0-724

1 120 0.00
 1 000000

HUMIDITY SENSOR
 RECORDER & TRANS-
 MITTERS

0-724

1 120 0.00
 1 000000

HUMIDITY SENSOR TRANSMITTER #EHST

0-724

HUMIDITY SENSOR TRANSMITTER #WHST

0-724

HUMIDITY SENSOR CABINET RECORDER

0-724

SPARE

1 120 0.00
 1 000000

LEAK RATE TEST
 RECEPTACLE

0-846-G

1 120 1.50
 1 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IXP FIAB

PAGE 13
 3/17/89

NORMAL POWER SOURCE
 1X0 F1E

240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 IXP FIAB

BLDG AB ELEV 809+00 COORD LOC QA-72

COMMENTS

VOLTS FLA D/P M/D
 PHASE NOA D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

BUS
 COMPT
 UNIT

IKRB 19 1 120 0.00 0.00000 SPARE

IKRB 20 1 120 0.00 0.00000 COMMUNICATION CENTER RECEPTACLE (SHIFT PAGER CPOR)

IKRB 21 1 120 0.00 0.00000 SPARE

IKRB 22 1 120 0.04 0.00000 RB SUMP LEVEL TERM BOX 0-722-B

A SLTB 120 0.04 0.00000 SIGNAL ISOLATOR #ICESL01 0-722-B

IKRB 23 1 120 0.00 0.00000 TRANSUDUCER TERM CAB #1TDC3 0-789-D

A SLTB 120 0.00 0.00000 DIGITAL DISPLAY INDICATOR #DP11 0-789-D 0-711-G

IKRB 24 1 120 0.00 0.00000 TRANSUDUCER TERM CAB #1TDC3 0-789-D

A SLTB 120 0.00 0.00000 DIGITAL DISPLAY INDICATOR #DP10 0-711-G

IKRB 25 1 120 0.00 0.00000 SPARE

WATT TRANSUDUCER 1ET66

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 KEONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE
 IXP FLAB

PAGE 14
 3/17/89

NORMAL POWER SOURCE
 IXP FILE

240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72
 D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICES DESCRIPTION

IKRB 26 1 120 0.00 000000

SPARE

IKRB 27 1 120 10.00 001000 0-715-Q

UNIT #1 INTERFACE
 CONTROLLER ON
 ELECT BD #1EB8

IKRB 28 1 120 0.25 000025 0-715-K

TRANSDUCERS #1ET62
 & #1ET63 ON ELECT
 BO #1EB3

IKRB 29 1 120 1.50 000000 J-763

SEISMIC RECORDER
 PANEL RECEPTACLE

IKRB 30 1 120 0.00 000000

UNIT #3 TRANSIENT
 MONITOR

IKRB 31 1 120 0.00 000000 0-797-A

EVENT RECORDER

IKRB 32 2 120 0.00 000000 0-715-A

UNIT 1 & 2 LOAD
 DISPATCHING OCIL-
 LATORS

IKRB 33 1 120 0.00 000000 0-786-A

LOAD FREQUENCY
 CONTROL FOR KEOME
 1 & 2

IKRB 34 1 120 0.00 000000 0-772-D
 OEE-122-16

TURBINE TERMINAL
 CAB #1TTC3

SLTB A KRB134 1 120 0.00 000000 0-772-C
 1TTC2 OEE-122-16

TURBINE AUX ALARM
 CIRCUIT

SLTB B FGI 1 120 0.00 000000 0-772-L
 TOT OEE-122-17

TURBINE AUX PUMP
 TEST SOLENOID VLVS

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IXP
 ALTERNATE POWER SOURCE
 F1AB

3/17/89
 PAGE 15

NORMAL POWER SOURCE IXP F1E
 240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		SOLENOID VALVE #20-EBPT-A				0EE-122-17	
		SOLENOID VALVE #20-FBPT-B				0EE-122-17	
		SOLENOID VALVE #20-SPT				0EE-122-17	
		SOLENOID VALVE #20-TGPT				0EE-122-17	
		SOLENOID VALVE #20-EBOPT-A				0EE-122-17	
		SOLENOID VALVE #20-EBOPT-B				0EE-122-17	
C	SLTB KRBL34 11TC5	TURBINE STEAM DRAIN SOLENOID VALVES		120	0.00 000000	0-772-F 0EE-121-41	
		SOLENOID VALVE #20DV-3				0EE-121-41	
		SOLENOID VALVE #20DV-4				0EE-121-41	
D	SLTB NGI HYD PMR JB	HYDR FLUID PUMP #A & #B TEST SOLENOID VALVES		120	0.00 000000	0-771-C 0EE-122-17	
		SOLENOID VALVE #20HFPT-A				0EE-122-17	
		SOLENOID VALVE #20HFPT-B				0EE-122-17	
E	SLTB NG5 HYD PMR JB	EHC MANIFOLD PRESS TRANSMITTER & RECEIVER		120	0.00 000000	0-771-C 0EE-122-17	
F	SLTB P13 LAB1	HYD FLUID PUMP #A & #B AND STAND-BY FLUID PMP CONTROLS		120	0.00 000000	0-712-D 0EE-122-16 & 122	
G	SLTB KRBL34 11P2	HYDR FLUID PUMP #A & #B FILTER CONTR		120	0.00 000000	0-770-B 0EE-122	
H	SLTB KRBL34 11TC2	TURBINE CONTROL OIL SIGHT LIGHTS		120	0.00 000000	0-772-C 0EE-122-42	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

DUKE POWER COMPANY
 COONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 16

NORMAL POWER SOURCE
 IDCA 4B

240/120 VAC-1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 IDCB 4B

BLDG AB ELEV 809+00 COORD LOC QA-72
 D/P W/D
 VOLTS FLA
 PHASE NOA
 DEVICE ELEM

COMMENTS

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

IKU 01 1 FDBKR 1 120 0.00
 COMPUTER TYPERS &
 COUNTERS LAMP BANK

IKU 02 1 FDBKR 1 120 11.00
 ISO. TRANSFER DIOD
 LADE 0-759-F
 OH-346-52

IKU 03 1 FDBKR 1 120 0.00
 COMPUTER CAB G4
 GRAPHIC DISPLAY

IKU 04 1 FDBKR 1 120 0.00
 COMPUTER DATANET
 CABINET 0-790-A

IKU 05 1 FDBKR 1 120 0.00
 INDICATING LIGHTS
 FOR CORE FLOODING
 VALVE 1/53/42 0-714-I
 OEE-153-1

IKU 06 1 FDBKR 1 120 0.00
 SPARE

IKU 07 1 FDBKR 1 120 0.00
 COMPUTER CLOCK
 POWER 0-714-I

IKU 08 1 FDBKR 1 120 0.00
 CARD READER

IKU 09 1 FDBKR 1 120 0.00
 PERIPHERAL TABLE
 TYPERS, READERS &
 PUNCH

IKU 10 1 FDBKR 1 120 0.00
 CARD PUNCH

IKU 11 1 FDBKR 1 120 0.00
 COMP CRT DISPLAY &
 MISC REC & PLANT
 TV SYSTEM 0-711-C

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IOCB 4B

ALTERNATE POWER SOURCE
 IDCB 4B

PAGE 17
 3/17/89

NORMAL POWER SOURCE
 IDCA 4B

240/120 VAC-1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

0-711-C

1 120 1.50
 000000

RECEPTACLE #PRI ON
 #1UB1

0-711-C

1 120 0.00
 000000

POWER RANGE LEVEL
 RECORDER

0-711-C

1 120 0.00
 000000

SOURCE & INTERM.
 RANGE LEVEL
 RECORDER

0-711-F

1 120 0.00
 000000

ISOLATION TRANS-
 FORMER #111 FOR
 INCORE DETECTION

INCORE DETECTOR RECORDER

0-711-E

1 120 1.50
 000000

INCORE DETECTOR REMOTE SWITCHING UNIT

0-711-F

1 120 0.18
 000000

RECEPTACLE #PR2 ON
 #1UB2

0-711-F

1 120 0.18
 000000

TREND RECORDER
 #TR4 ON #1UB2

0-711-F

1 120 0.18
 000000

TREND RECORDER
 #TR3 ON #1UB2

0-711-F

1 120 0.18
 000000

TREND RECORDER
 #TR2 ON #1UB2

0-711-F

1 120 0.00
 000000

CONTROL PANEL
 #TSPI ON #1UB2

0-711-F

1 120 0.00
 000000

COMPUTER ALARM
 #AS2

A

SLTB
 A3
 1UB1

B

SLTB
 A8
 1UB1

C

SLTB
 A10
 1UB1

D

SLTB
 K9
 1UB2

E

SLTB
 K1
 1UB2

F

SLTB
 K4
 1UB2

G

SLTB
 K6
 1UB2

H

SLTB
 K8
 1UB2

I

SLTB
 K11
 1UB2

J

SLTB
 K11
 1UB2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IDCB 4B

ALTERNATE POWER SOURCE
 IDCB 4B

3/17/89
 PAGE 18

NORMAL POWER SOURCE
 IDCA 4B

240/120 VAC-1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

VOLTS
 FLA
 NDA

COMP ISOLATOR FOR
 RB RAD MONITOR

K
 SLTB
 S103
 IUB2

120 0.04
 000000

0-711-H
 OEE-123-1

COMP ISOLATOR FOR
 RB LEVEL

L
 SLTB
 S105
 IUB2

120 0.04
 000000

0-711-H
 OEE-158-21

COMP ISOLATOR FOR
 RB PRESSURE

M
 SLTB
 S107
 IUB2

120 0.04
 000000

0-711-H
 OEE-158-20

REACTOR LEVEL
 INDICATOR #118

N
 SLTB
 A35
 IUB1

120 0.00
 000000

0-711-C

PERFORMANCE PNL
 TYPYR PT4,CRT &
 TREND RECORDERS

IKU
 12
 1

120 0.00
 000000

0-716-A

TREND RECORDERS
 #TR-5, #TR-6 &
 #TR-7 ON #1PC

A
 SLTB
 B11
 IPC

120 0.00
 000000

0-716-A

RECEPTACLE FOR
 PERFORMANCE MONI-
 TOR CRT ON #1PC

B
 SLTB
 B8
 IPC

120 0.00
 000000

0-716-A

RECEPTACLE FOR
 OUTPUT TYPYR #PT-4
 ON #1PC

C
 SLTB
 B6
 IPC

240 0.00
 000000

0-790-A

COMPUTER CAB P-1

IKU
 13
 1

240 0.00
 000000

0-756

FIRE PROTECTION
 SYSTEM

IKU
 14
 1

240 0.00
 000000

0-790-A

COMPUTER CAB P-1

IKU
 15
 1

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 19
 PAGE 3/17/89

ALTERNATE POWER SOURCE
 IDCB 4E

IKU
 240/120 VAC-1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72
 VOLTS FLA D/P M/D
 PHASE NDA D/P ELEM
 DEVICE ELEM

NORMAL POWER SOURCE
 IDCA 4B

BUS COMPT UNIT TYPE UNIT LOAD TITLE DEVICE DESCRIPTION

BUS COMPT UNIT	TYPE UNIT	LOAD TITLE	DEVICE DESCRIPTION	VOLTS	FLA	D/P M/D	COMMENTS
IKU 16 1			SPARE	240	0.00		
IKU 17 1	FDBKR		LINE PRINTER	120	0.00		
IKU 18 1	FDBKR		STATALARMS #1SA6 & #1SA13	120	0.00		0-714-I
IKU 23 1	FDBKR		ICS CABINET #9	120	0.00		0-785-D

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O H E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE
 IDCB 3F

3/17/89
 PAGE 21

NORMAL POWER SOURCE
 IDCA 3F

120 VAC 3PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 809+0' COORD LOC QA-72

COMMENTS

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVI DESCRIPTION

VOLTS
 FLA
 NOA

D/P W/D
 D/P ELEM
 DEVICE ELEM

FHPT #18 MCU TRANSDUCER #1MT74

OEE-146-7

IKX	FDBKR	RECORDERS ON #1VB1 #1VB2, #1VB3 & GND DETECTION RELAYS	120	0.00	0-714-F OEE-113
09			1	000000	
1					
A	SLTB A1 1VB1	MICROMAVE TOWER TEMP RECORDER #R4	120	0.33	0-714-F
B	SLTB A3 1VB1	CONDENSATE CON- DUCTIVITY RECORDER #R3	120	0.42	0-714-F
C	SLTB A5 1VB1	RB TEMPERATURE RECORDER #R2	120	0.33	0-714-F
D	SLTB A5 1VB1	ISOLATION XFMR #IT FOR INCORE DETECT- ION REC. #R1	120	0.00	0-714-F
E	SLTB A9 1VB1	INCORE DETECTION RECORDER #R1 MICROMAVE TOWER & NCTED. TOWER RECS #R7 & #R10	120	0.00	0-714-F
F	SLTB A11 1VB1	REHEATER TUBE LEAK DETECTOR RECORDER #R9	120	0.33	0-714-F
G	SLTB A13 1VB1	GEN. FIELD TEMP. TRANSMITTER	120	0.00	0-714-F OEE-111-5
H	SLTB A15 1VB1	REMOTE SWITCHING UNIT #2 INCORE DET #R1-A	120	0.00	0-714-F
I	SLTB A32 1VB1	BRG OIL, HYDR OIL, & CONDENSER VAC RECORDER #R8	120	0.00	0-714-F

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 1DCB 3F

ALTERNATE POWER SOURCE
 1DCB 3F

3/17/89
 PAGE 22

NORMAL POWER SOURCE
 IDCA 3F

120 VAC 1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DMS NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

1 120 0.19
 1 120 0.19
 1 120 0.00
 1 120 0.00
 1 120 0.00
 1 120 0.00
 1 120 0.33
 1 120 0.19
 1 120 0.33
 1 120 0.33
 1 120 0.19

0-714-F
 0-714-F
 0-714-F
 0-714-F
 0-714-I
 0-714-I
 0-714-I
 0-714-I
 0-714-I
 0-714-I

UST LEVEL & CST
 LEVEL RECORDER #R5
 CONDENSATE FLOW &
 HOTWELL LEVEL RE-
 CORDER #R6
 GEN. STATOR RTD
 SWITCHING CIRCUIT
 GAS & STATOR RTD'S
 TEMP INDICATOR
 TURB BRG OIL TEMP
 SWITCHING UNIT #2
 #R3-A
 TURB VIBRATION &
 ECCENTR SWITCHING
 UNIT #2 #R8-A
 RC FLOW SEAL PUMP
 RECORDER #R10
 TURB SPEED & VALVE
 POSITION RECORDER
 #R9
 TURB VIBRATION &
 ECCENTR RECORDER
 #R8
 UTILITY RECORDER
 #R7
 QUENCH TANK TEMP,
 PRESS, & LEVEL RE-
 CORDER #R11

J
 K
 L
 M
 N
 O
 P
 Q
 R
 S
 T

SLTB
 A41
 1VB1
 SLTB
 A48
 1VB1
 SLTB
 C1
 1VB1
 FUSE
 FU3
 1VB1
 SLTB
 K69
 1VB2
 SLTB
 K71
 1VB2
 SLTB
 M78
 1VB2
 SLTB
 M80
 1VB2
 SLTB
 M82
 1VB2
 SLTB
 M84
 1VB2
 SLTB
 M86
 1VB2

LIST NUMBER 08A
 PLANT CODE = JCN
 FILE ID = A6

D U K E P O R T C O M P A N Y
 O'CONNOR NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 1DCB 3F

ALTERNATE POWER SOURCE
 1DCB 3F

PAGE 23
 3/17/89

NORMAL POWER SOURCE
 IDCA 3F

120 VAC 1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DMG NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
U	SLTB N60 1VB2		TURB BRG OIL TEMP RECORDER #R3	120	0.33	0-714-I	
V	SLTB N62 1VB2		TURBINE EXPANSION RECORDER #R2	120	0.33	0-714-I	
W	SLTB N64 1VB2		GENERATOR FIELD TEMP RECORDER #R1	120	0.42	0-714-I	
X	SLTB N66 1VB2		UNIT LOAD RECORDER #R6	120	0.42	0-714-I	
Y	SLTB N68 1VB2		TURBINE METAL TEMP RECORDER #R5	120	0.33	0-714-I	
Z	SLTB N70 1VB2		MAIN STEAM TEMP RECORDER #R4	120	0.33	0-714-I	
0	SLTB N1 1VB3		FMPT #A & #B VIBR. & ECCENTR RECORDER #R1	120	0.00	0-714-M	
1	SLTB N3 1VB3		FMPT #A & #B OIL TEMP RECORDER #R3	120	0.33	0-714-M	
2	SLTB N64 1VB3		FMPT #A & #B JIL TEMP SWITCHING UNIT #2 #R3-A	120	0.00	0-714-M	
3	SLTB N56 1VB3		TREND RECORDER #TR-1	120	0.00	0-714-M	
4	SLTB X58 1VB3		FMPT #A & #B HYDR OIL RECORDER #R3	120	0.00	0-714-M	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3F

3/17/89
 PAGE 24

NORMAL POWER SOURCE
 IDCA 3F

ALTERNATE POWER SOURCE
 IDCB 3F

120 VAC 1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC GA-72

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
5	SLTB X65 1VB3		FMPT #A & #B SPEED RECORDER #R2	120	0.19 000000	0-714-M	
6	SLTB X72 1VB3		FMPT #A & #B CONT- ROL OIL RECORDER #R11	120	0.00 000000	0-714-M	
7	SLTB X79 1VB3		FMPT #A & #B BRG OIL RECORDER #R4	120	0.00 000000	0-714-M	
8	FUSE 1RL1 1EB5		GENERATOR GROUND DETECTION SYSTEM	120	0.00 000000	0-715-J 0EE-1111-5	
9	FUSE 1RL3 1EB5		EXCITER FIELD GROUND DETECTION SYSTEM	120	0.00 000000	0-715-J 0EE-1111-5	

IKX 10 1	FDBKR		WATT HOUR METER COUNTERS (1EB4)	120	0.00 000000	0-715-K 0EE-1111-3	
A	SLTB 1MUL7 1EB4		WHM/IT POWER SUPPLY	120	0.00 000000	0-715-K 0EE-1111-3	
B	SLTB 1MUL1 1EB3		MHM/GEN #1 POWER SUPPLY	120	0.00 000000	0-715-K 0EE-1111-3	
C	SLTB 1MUL5 1EB3		AR-VR RECORDER	120	0.00 000000	0-715-K 0EE-1111-3	
D	SLTB 1MUL6 1EB2		WHM/CT1 POWER SUPPLY	120	0.00 000000	0-715-L 0EE-1111-3	
E	SLTB 1MUL2 1EB1		MHM/X PHASE POWER SUPPLY	120	0.00 000000	0-715-L 0EE-1111-3	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 1DCB 3F

3/17/89
 PAGE 25

NORMAL POWER SOURCE
 19CA 3F

ALTERNATE POWER SOURCE
 1DCB 3F

120 VAC 1PH AUXILIARY PWR
 FOR SYSTEM PANELBOARD
 ONE-LINE DMS NO F4059
 BLDG AB ELEV 609+00 COORD LOC GA-72

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
F	SLTB 1MUL3 1EB1		MMH/Y PHASE POWER SUPPLY	120	0.00	0-715-L 0EE-111-3	
G	SLTB 1MUL4 1EB1		MMH/Z PHASE POWER SUPPLY	120	0.00	0-715-L 0EE-111-3	
H	SLTB 1MUL8 1EF7		FREQUENCY RECORDER	120	0.00	0-715-H 0EE-111-3	
I	SLTB 1MUL10 1EB2		POWER SUPPLY FOR ENCODERS OF WHM/IT WHM/CT1 & MMH/GEN1	120	0.00	0-715-L 0EE-111-3	
J	SLTB 1MUL9 1EB1		ISOL. RELAY FOR WHM/CT4	120	0.00	0-715-L 0EE-311-13	
K	SLTB 1MUL10		ISOL. RELAY FOR WHM/CT5	120	0.00	0-715-L 0EE-311-14	
IKX 11 1	FDBKR		SWITCHYARD STAT- ALARMS	120	0.00	0-715-G	
IKX 12 1	FDBKR		SOLENOID VALVE #SV135 TIMER #T1 TIMER #T2 RELAY CIRCUIT FOR AREA EVACU. HORN	120	0.00	0-766-E 0EE-23 0EE-23 0EE-23 0EE-23	
A	SLTB E37 1UB1		AREA EVACUATION HORN CUTOFF SOL. VLV. #SV136	120	0.00	0-711-D 0EE-23	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = 46

D U K E P O W E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

3/17/89
 PAGE 26

NORMAL POWER SOURCE
 IDCA 3F

120 VAC 1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 XDCB 3F

COMMENTS

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

VOLTS
 PHASE
 NOA

D/P W/D
 D/P ELEM
 DEVICE ELEM

SOLENOID VALVE #SV136

0EE-23

RELAY CIRCUIT FOR SOL. VLV. #SV136

0EE-23

IKX
 13
 1

FDBKR
 1 120 0.00
 000000

VITAL POWER STAT-
 ALARMS VERT BD

0-714-I

A
 SLTB
 H6
 IVB2

1 120 0.00
 000000

STATALARM #1SA16

0-714-I
 0EE-118-31 & 32

B
 SLTB
 H13
 IVB2

1 120 0.00
 000000

STATALARM #1SA15

0-714-I
 0EE-118-29 & 30

C
 SLTB
 H20
 IVB2

1 120 0.00
 000000

STATALARM #1SA14

0-714-I
 0EE-118-27 & 28

IKX
 14
 1

FDBKR
 1 120 0.00
 000000

CONTROL ROD DRIVE
 CAB SL2,BKR CB1

J-782

RELAY CIRCUIT FOR INTERFACE CA

0-782-G

A
 BKR
 CB1
 CAB #SL-2

1 120 0.00
 000000

CONTROL ROD DRIVE
 CAB. #SL-2

0-782

IKX
 15
 1

FDBKR
 1 120 0.00
 000000

ALTERREX EXCITA-
 TION SYSTEM

0-773-B
 0EE-110-4

CUBICLE LIGHT CIRCUIT

0M-312-17

CUBICLE RECEPTACLE CIRCUIT

0M-512-19

AUTO TRACKING CONTROLLER

0EE-110-4

IKX
 16
 1

FDBKR
 1 120 0.00
 000000

TV SYSTEM (UNITS 1
 & 2)

0-796

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T H E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE
 IDCB 3F

PAGE 27
 3/17/89

NORMAL POWER SOURCE
 IDCA 3F

IKX
 120 VAC 1PH AUXILIARY POW
 EP. SYSTEM PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-72

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA MVA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
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IKX 17 1	FDBKR		RECORDERS AUX BENCHBOARD IAB3	120	0.00	Ø-713-K	
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A	SLTB Z63 IAB3		DECAY TANK PRESS #A & #B RECORDER #R3	120	0.00	Ø-713-K	
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B	SLTB X78 IAB3		WASTE GAS DECAY TANK #1C & #1D RECORDER #R18	120	0.00	Ø-713-K	
---	---------------------	--	--	-----	------	---------	--

			MDEFMP #1B FLOW TRANSMITTER #1FT151			Ø-711-C	
			MDEFMP #1A FLOW TRANSMITTER #1FT150			Ø-711-C	
			MDEFMP #1B PRESS TRANSMITTER #1PT241			Ø-711-C	
			MDEFMP #1A PRESS TRANSMITTER #1PT240			Ø-711-C	
			MDEFMP #1A & #1B INDICATOR #1P261			Ø-711-B	
			MDEFMP #1A & #1B INDICATOR #1P260			Ø-711-B	

C	SLTB J9 IAB3		UNIT #1 STACK FLOW RECORDER #R5	120	0.00	Ø-713-G	
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D	SLTB J11 IAB3		RB PURGE FLOW RECORDER #R6	120	0.00	Ø-713-G	
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E	SLTB J13 IAB3		UNIT #1 STACK FLOW INDICATOR #I1	120	0.00	Ø-713-G	
---	---------------------	--	-------------------------------------	-----	------	---------	--

F	SLTB J16 IAB3		ELEV. STORAGE TANK LEVEL INDICATOR #I30	120	0.00	Ø-713-G	
---	---------------------	--	---	-----	------	---------	--

IKX 18 1	FDBKR		PLANT STATI ALARM SYSTEM & ISA5 & ISA12	120	9.00	Ø-766-C	
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LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

DUKE POWER COMPANY
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 1DCB

ALTERNATE POWER SOURCE
 3F

PAGE 28
 3/17/89

NORMAL POWER SOURCE
 1DCA 3F

120 VAC 1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-72

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA NOA D/P M/D D/P ELEM DEVICE ELEM COMMENTS

Ø-714-G

STATALARM #1SA5
 1 120 0.00

Ø-766-C
 ØM-311-87

POWER PANEL ON
 STATALARM INPUT
 CAB. #1SAC
 1 120 0.00

Ø-770-B

STATALARM PANEL
 #1SA
 1 120 0.00

Ø-766-C

INSTR. PMR. ALARM
 PNL STATALARM
 #1SA12
 1 120 0.00

Ø-748-B

STATALARMS #1SA10
 & #1SA11
 1 120 0.00

Ø-759-F
 ØM-346-52

ISO TRANSFER DIODE
 1ADG
 1 120 11.00

Ø-714-I
 ØEE-153

INDICATING LIGHT
 FOR CORE FLOODING
 VLV 1/53/41
 1 120 0.00

Ø-776-A
 ØEE-146-10

FEEDWATER PUMP
 TURBINE # 1A
 1 120 0.00

ØEE-146-10

SOLENOID VALVE #S-1A
 RELAY CIRCUIT FOR TURJ GEAR SOL. #S-1A

Ø-775-A
 ØEE-146-11

FEEDWATER PUMP
 TURBINE # 1B
 1 120 0.00

ØEE-146-11

SOLENOID VALVE #S-1B

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T N E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR IDCB 3F

3/17/89
 PAGE 29

NORMAL POWER SOURCE
 IDCA 3F

120 VAC 1PH AUXILIARY POW
 ER SYSTEM PANELBOARD

ALTERNATE POWER SOURCE
 IDCB 3F

BLDG AB ONE-LINE DMG NO F4059 ELEV 809+00 COORD LOC QA-72
 1KX

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE
 VOLTS
 PHASE

DEVICE DESCRIPTION

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

RELAY CIRCUIT FOR TURN GEAR SOL. #S-1B

0EE-146-11

1KX
 23
 1

CRD PRIMARY TRIP
 BREAKER ASSY UNIT
 11

0-782-M

1 120 0.00
 000000

LIST NUMBER 08A
PLANT CODE = DCN
FILE ID = A6

D U K E P O W E R C O M P A N Y
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

1KM	208Y/120 VAC RB MONITOR- ING EQUIP POWER PANELBDS
2DCA	125VDC CONTROL POWER DISTRIBUTION CENTER
2DCB	125VDC CONTROL POWER DISTRIBUTION CENTER
2KVIA	120 VAC VITAL INSTR POWER PANELBOARD
2KVIB	120 VAC VITAL INSTR POWER PANELBOARD

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 1

NORMAL POWER SOURCE
 IXS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COORD LOC Q-70	COMMENTS
IKM 01 1	FDBKR		AREA RADIATION MONITOR (RIA1)	120 0.75 1 000000		0-795-A	
IKM 02 1	FDBKR		RB PENETRATION ED13 (RIA4)	120 0.75 1 000000		0-767-A13	
IKM 03 1	FDBKR		RB PENETRATION ED13 (RIA5)	120 0.75 1 000000		0-767-A13	
IKM 04 1	FDBKR		AREA RADIATION MONITOR (RIA7)	120 0.75 1 000000		0-795-A	
IKM 05 1	FDBKR		AREA RADIATION MONITOR (RIA8)	120 0.75 1 000000		0-795-A	
IKM 06 1	FDBKR		AREA RADIATION MONITOR (RIA9)	120 0.75 1 000000		0-795-A	
IKM 07 1	FDBKR		AREA RADIATION MONITOR (RIA10)	120 0.75 1 000000		0-795-A	
IKM 08 1	FDBKR		AREA RADIATION MONITOR (RIA11)	120 0.75 1 000000		0-795-A	
IKM 09 1	FDBKR		AREA RADIATION MONITOR (RIA12)	120 0.75 1 000000		0-795-A	
IKM 10 1	FDBKR		AREA RADIATION MONITOR (RIA13)	120 0.75 1 000000		0-795-A	
IKM 11 1	FDBKR		AREA RADIATION MONITOR (RIA14)	120 0.75 1 000000		0-795-A	

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O R T M E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

3/17/89
 PAGE 2

NORMAL POWER SOURCE
 IXS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
IKM 12 1	FDBKR	AREA RADIATION MONITOR (IRIA15)		120	0.75	0-795-A	
IKM 13 1		SPARE		120	0.00		
IKM 14 1		SPARE		120	0.00		
IKM 15 1	FDBKR	PROCESS RADIATION MONITOR (IRIA32)		120	1.50	0-795-B	
IKM 16 1	FDBKR	PROCESS RADIATION MONITOR (IRIA39)		120	1.50	0-795-B	
IKM 17 1	FDBKR	PROCESS RADIATION MONITOR (IRIA41)		120	1.50	0-795-B	
IKM 18 1	FDBKR	PROCESS RADIATION MONITOR (IRIA43-46)		120	2.00	0-795-B	
IKM 19 1	FDBKR	PROCESS RADIATION MONITOR (IRIA47-49)		120	2.00	0-795-B	
IKM 20 1	FDBKR	AREA RADIATION MONITOR (IRIA-2)		120	0.75	0-767-A13	
IKM 21 1	FDBKR	AREA RADIATION MONITOR (IRIA-3)		120	0.75	0-767-A13	
IKM 22 1	FDBKR	AREA RADIATION MONITOR (IRIA6)		120	0.75	0-730	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

PAGE 3
 3/17/89

NORMAL POWER SOURCE
 1XS2 R2CB

ALTERNATE POWER SOURCE

208Y/120 VAC RE MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809 COORD LOC Q-70

BUS COMPT UNIT	TYPE D/P	PT LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
IKM 23 1			SPARE		120	0.00 000000		
IKM 24 1	FDBKR		ADMINISTRATION BLDG EXIT LIGHTS		120	0.66 000000	0-711-H 0EE-24	4 LIGHTS AT 20W EACH
IKM 25 1	FDBKR		RADIATION MONITOR SOLENOID VALVES ISV184,185, & 186		120	1.08 000000	0-752-A34 0EE-138-6	
			SOLENOID VALVE #1SV184				0EE-138-6	
			SOLENOID VALVE #1SV185				0EE-138-8	
			SOLENOID VALVE #1SV186				0EE-138-10	
IKM 26 1	FDBKR		NITROGEN HEATER -PRESS & RC HOT LEGS(LP SYS)		120	0.00 000000	0-761-B	
			PREHTR. CONTR TO PRESSURE & RC HOT LG				0-761-B	
IKM 27 1	FDBKR		NITROGEN HEATER CORE FLOODING (HP SYS)		120	0.00 000000	0-761-B	
			PREHTR. CONTR. TO CORE FLOOD TANKS				0-761-B	
IKM 28 1			SPARE		120	0.00 000000		
IKM 29 1	FDBKR		FAIL FUEL DETEC- TION SYSTEM RECEPTACLE		120	1.50 000000	0-767-A17	
IKM 30 1			SPARE		120	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE

3/17/89
 4

NORMAL POWER SOURCE
 1XS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DWG NO F4059

COMMENTS

BUS COMPT UNIT
 TYPE UNIT DIST PT D/P LOC
 LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION
 VOLTS FLA D/P M/D
 PHASE NOA D/P ELEM
 DEVICE ELEM

0-767-A13

208 14.00
 3 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

208 49.00
 3 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

120 7.00
 1 0000000

0-860-J

120 7.00
 1 0000000

RB PENFTRATION
 ED13 (PA AMPLIFIER
 S REACTOR BLDG)

PA AMPLIFIER
 REACTOR BLDG NEAR
 LTG PNLBD #HL5

PA AMPLIFIER
 REACTOR BLDG NEAR
 LTG PNLBD #EL3

PA AMPLIFIER
 REACTOR BLDG NEAR
 LTG PNLBD #EL4

PA AMPLIFIER
 REACTOR BLDG NEAR
 LTG PNLBD #EL1

PA AMPLIFIERS
 (TURB & AUX BLDG)

PA AMPLIFIER
 TURBINE BLDG NEAR
 LTG PNLBD #1L34

PA AMPLIFIER
 TURBINE BLDG NEAR
 LTG PNLBD #1L30

PA AMPLIFIER
 TURBINE BLDG NEAR
 LTG PNLBD #1L35

PA AMPLIFIER
 TURBINE BLDG NEAR
 LTG PNLBD #1L33

IKM
 32
 1

FDBKR

A

BKR
 TURB BLDG

B

BKR
 TURB BLDG

C

BKR
 TURB BLDG

D

BKR
 TURB BLDG

IKM
 31
 1

FDBKR

A

BKR
 REACT BLDG

B

BKR
 REACT BLDG

C

BKR
 REACT BLDG

D

BKR
 REACT BLDG

E

BKR
 REACT BLDG

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

3/17/89
 PAGE 5

NORMAL POWER SOURCE
 IXS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
E	BKR BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG NEAR LTG PNLBD #1141	1 120	7.00 0000000	0-860-J	
F	BKR BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG NEAR LTG PNLBD #1138A	1 120	7.00 0000000	0-860-J	
G	BKR BKR AUX BLDG		PA AMPLIFIER AUX- ILIARY BLDG NEAR LTG PNLBD #1111	1 120	7.00 0000000	0-860-J	
H	BKR BKR AUX BLDG		PA AMPLIFIER AUX- ILIARY BLDG NEAR LTG PNLBD #1121	1 120	7.00 0000000	0-860-J	
I	BKR BKR AUX BLDG		PA AMPLIFIER AUX- ILIARY BLDG NEAR LTG PNLBD #1120	1 120	7.00 0000000	0-860-J	
J	BKR BKR AUX BLDG		PA AMPLIFIER AUX- ILIARY BLDG NEAR LTG PNLBD #1124	1 120	7.00 0000000	0-860-J	
K	BKR BKR AUX BLDG		PA AMPLIFIER AUX- ILIARY BLDG NEAR LTG PNLBD #111A	1 120	7.00 0000000	0-860-J	
L	BKR BKR AUX BLDG		PA AMPLIFIER AUX- ILIARY BLDG NEAR LTG PNLBD #111	1 120	7.00 0000000	0-860-J	
M	BKR BKR AUX BLDG		PA AMPLIFIER AUX- ILIARY BLDG NEAR PWR PNLBD #1K0	1 120	7.00 0000000	0-860-J	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

DUKE POWER COMPANY
 CONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR

ALTERNATE POWER SOURCE

3/17/89
 6

NORMAL POWER SOURCE

2DCA
 125VDC CONTROL POWER
 DISTRIBUTION CENTER
 ONE-LINE DIAG NO. F4059
 BLDG 4B ELEV 796+00 COORD LOC N-27

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2DCA 1A 2	FDBKR	125 VDC CONTROL PWR BUS 2DCA AND 2DCB TIE BKR	125 DC	0.00 000000		0-1759-C	
2DCA 1B 2	FDBKR	CONTROL BATTERY CHARGER 2CA	125 DC	0.00 000000		0-1759-E	
2DCA 2A 2	FDBKR	CONTROL BATTERY 2CA	125 DC	0.00 000000		0-1705	
2DCA 2B 2	FDBKR	STAND-BY CNTRL BATTERY CHARGER 2CS	125 DC	0.00 000000		0-1759-E	
2DCA 3A 1	FDBKR	INST AND CNTRL PWR PNL 1D1A	125 DC	0.00 000000		0-759-F	ISOL TRANSFER DIODE 1ADA
2DCA 3B 1	FDBKR	INST AND CNTRL PWR PNL 1D1C	125 DC	0.00 000000		0-759-F	ISOL TRANSFER DIODE 1ADC
2DCA 3C 2	FDBKR	INST AND CNTRL PWR PNL 2D1A	125 DC	0.00 000000		0-1759-F	ISOL TRANSFER DIODE 2ADA
2DCA 3D 2	FDBKR	INST AND CNTRL PWR PNL 2D1B	125 DC	0.00 000000		0-1759-F	ISOL TRANSFER DIODE 2ADB
2DCA 3E 2	FDBKR	INTEGRATED CNTRL SYS INVERTER 2KI	125 DC	0.00 000000		0-1759-F	ISOL TRANSFER DIODE 2ADF
2DCA 3F 2	FDBKR	AUX POWER SYSTEM INVERTER 2KX	125 DC	0.00 000000		0-1759-F	ISOL TRANSFER DIODE 2ADG
2DCA 4B 2	FDBKR	COMPUTER SYSTEM INVERTER 2KU	125 DC	0.00 000000		0-1759-F	ISOL TRANSFER DIODE 2ADE

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

DUKE POWER COMPANY
 CONNIE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR

ALTERNATE POWER SOURCE

3/17/89
 7

NORMAL POWER SOURCE

ZDCA
 125VDC CONTROL POWER
 DISTRIBUTION CENTER
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 796±00 COORD LOC N-27

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2DCA 4C 2	BKR	SPARE		125 DC	0.00 000000		
2DCA 4D 2	BKR	SPARE		125 DC	0.00 000000		
2DCA 4EB 2	BKR	SPARE		125 DC	0.00 000000		
2DCA 4ET 2	BKR	SPARE		125 DC	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR 1E
 SAFETY COLOR 1E

3/17/89
 PAGE 8

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

BUS UNVT	TYPE DIST D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D B/P ELEM DEVICE ELEM	COMMENTS
2DCB 1A 2	FDBKR	125 VDC CNTRL PMR TIE BKR	125 VDC CNTRL PMR BUS 2DCB AND 2DCA	125 DC	0.00 0000000	0-1759-B	
2DCB 1B 2	FDBKR	CONTROL BATTERY CHARGER 2CB	CONTROL BATTERY CHARGER 2CB	125 DC	0.00 0000000	0-1759-E	
2DCB 2A 2	FDBKR	CONTROL BATTERY 2CB	CONTROL BATTERY 2CB	125 DC	0.00 0000000	0-1705	
2DCB 2B 2	FDBKR	STAND-BY CNTRL BATTERY CHARGER 2CS	STAND-BY CNTRL BATTERY CHARGER 2CS	125 DC	0.00 0000000	0-1759-E	
2DCB 3A 1	FDBKR	INST AND CNTRL PMR PNL 1D1B	INST AND CNTRL PMR PNL 1D1B	125 DC	0.00 0000000	0-1759-F	ISOL TRANSFER DIODE IADB
2DCB 3B 1	FDBKR	INST AND CNTRL PMR PNL 1D1D	INST AND CNTRL PMR PNL 1D1D	125 DC	0.00 0000000	0-1759-F	ISOL TRANSFER DIODE IADD
2DCB 3C 2	FDBKR	INST AND CNTRL PMR PNL 2D1C	INST AND CNTRL PMR PNL 2D1C	125 DC	0.00 0000000	0-1759-F	ISOL TRANSFER DIODE 2ADC
2DCB 3D 2	FDBKR	INST AND CNTRL PMR PNL 2D1D	INST AND CNTRL PMR PNL 2D1D	125 DC	0.00 0000000	0-1759-F	ISOL TRANSFER DIODE 2ADD
2DCB 3E 2	FDBKR	INTEGRATED CONTROL SYS INVERTER 2KI	INTEGRATED CONTROL SYS INVERTER 2KI	125 DC	0.00 0000000	0-1759-F	ISOL TRANSFER DIODE 2ADF
2DCB 3F 2	FDBKR	AUX POWER SYS INVERTER 2KX	AUX POWER SYS INVERTER 2KX	125 DC	0.00 0000000	0-1759-F	ISOL TRANSFER DIODE 2ADG
2DCB 4B 2	FDBKR	COMPUTER SYSTEM INVERTER 2KU	COMPUTER SYSTEM INVERTER 2KU	125 DC	0.00 0000000	0-1759-F	ISOL TRANSFER DIODE 2ADE

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR

PAGE

3/17/89
 9

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

125VDC CONTROL POWER
 DISTRIBUTION CENTER
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 796+00 COORD LOC P-27

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS
 PHASE
 FLA
 NOA

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

2DCB
 4C
 2 BKR SPARE 125 0.00
 DC 000000

2DCB
 4D
 2 BKR SPARE 125 0.00
 DC 000000

2DCB
 4EB
 2 BKR SPARE 125 0.00
 DC 000000

2DCB
 4ET
 2 BKR SPARE 125 0.00
 DC 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 CONNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 ZKRA 03

3/17/89
 11

NORMAL POWER SOURCE
 ZDIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 213+3

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
2KVIA 09 2	FDBKR	BORON DILUTION VALVE 2LP104 INDICATION	BORON DILUTION VALVE 2LP104 INDICATION	120	0.10 000000	0-1752-A16 0EE-252-24	
A	FUSE FU 2XS1-F5D	BORON DILUTION VLV 2LP104 INDICATION	BORON DILUTION VLV 2LP104 INDICATION	120	0.10 000000	0-1752-A16 0EE-252-24	
2KVIA 10 2	FDBKR	REACTOR BUILDING EVACUATION ALARM	REACTOR BUILDING EVACUATION ALARM	120	0.37 000000	0-1714-M 0EE-23-2	
2KVIA 11 2	FDBKR	ISOLATING TRANSFER DIODE NO. 2ADA	ISOLATING TRANSFER DIODE NO. 2ADA	120	0.00 000000	0-1759-F	
2KVIA 12 2	FDBKR	CRD PRIMARY TRIP BREAKER ASSY UNIT NO. 10	CRD PRIMARY TRIP BREAKER ASSY UNIT NO. 10	120	0.00 000000	0-1782-L	
2KVIA 13 2	FDBKR	SAFETY VLV MONITOR (2VB3)	SAFETY VLV MONITOR (2VB3)	120	0.00 000000	0-1714-L	
2KVIA 14 2	FDBKR	CONTROL ROD DRIVE CAB SL2 CIRCUIT BREAKER CB2	CONTROL ROD DRIVE CAB SL2 CIRCUIT BREAKER CB2	120	0.00 000000	0-1782	
2KVIA 15 2	FDBKR	PROCESS RADIATION MONITORING UNIT 2	PROCESS RADIATION MONITORING UNIT 2	120	0.00 000090	0-1714-J	
A	SLTB BMS 2VB3	RADIATION MONITOR- ING	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	
B	SLTB BMS 2VB3	RADIOACTIVE INDICATOR ALARM RECORDER RADIATION MONITOR- ING	RADIOACTIVE INDICATOR ALARM RECORDER RADIATION MONITOR- ING	120	0.00 000000	0-1714-J 0-1714-J	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 PAGE 13

NORMAL POWER SOURCE
 2DIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 81.3+3

ALTERNATE POWER SOURCE
 2KRA 03

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 MVA

D/P %/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION	VOLTS PHASE	FLA MVA	D/P %/D D/P ELEM DEVICE ELEM	COMMENTS
J	FUSE BN7 2VB3	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	
K	FUSE BN8 2VB3	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	
L	FUSE BN9 2VB3	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	
M	FUSE BN10 2VB3	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	
N	FUSE BN11 2VB3	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	
O	FUSE BN12 2VB3	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	
P	FUSE BN13 2VB3	RADIATION MONITOR- ING	120	0.00 000000	0-1714-J	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 ZKRA 03

PAGE 14

3/17/89

NORMAL POWER SOURCE
 ZDIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 813+3

COORD LOC P-74

BUS COMPT UNIT TYPE UNIT LOAD TITLE DEVICE DESCRIPTION VOLTS PHASE FLA NOA D/P W/D D/P ELEM COMMENTS

Q FUSE BNI4 2VB3 RADIATION MONITOR- 1 120 0.00 0-1714-J

PULSER

R FUSE BNI5 2VB3 RADIATION MONITOR- 1 120 0.00 0-1714-J

AREA MONITOR

2RIA-56

0EE-258-25

SIGNAL ISOLATOR

2KVIA BKR SPARE 1 120 0.00 0-1714-J

2KVIA BKR SPARE 1 120 0.00 0-1714-J

2KVIA BKR SPARE 1 120 0.00 0-1714-J

2KVIA BKR SPARE 1 120 0.00 0-1714-J

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 15

3/17/89

NORMAL POWER SOURCE
 2DIB 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2KRA 04

BLDG AUX ELEV 312.44

COORD LOC Q-74

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE NOA FLA D/P ELEM D/P M/D COMMENTS

0-1781-A

1 120 0.00
 000000

NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM 2B

0-1757-K

1 120 0.03
 000000

ENGINEERED SAFEGDS INSTRUMENTATION SYSTEM NO. 2B

0-1714-H1
 OEE-252-25

1 120 0.00
 000000

POST DILUTION FLOW SENSOR 2A (VLV. 2LP2)

0-1714-H1

FLOW SENSOR #2A

0-1722-B
 OEE-258-28 & 29

1 120 9.00
 000000

NORM AND EMERG SUMP LEVEL

OEE-258-28

LEVEL XMTR 2LT112

OEE-258-28

SIGNAL ISOLATER 2CESL01

OEE-258-29

LEVEL XMTR 2LT113

SPARE

1 120 0.00
 000000

BKR

SPARE

1 120 0.00
 000000

BKR

0-1719

REACTOR COOLANT PUMP B POWER MONITOR

1 120 1.00
 000000

FDBKR

0-1779-A

STEAM GENERATOR EMERGENCY FEEDWTR FLOW

1 120 0.00
 000000

FDBKR

0-1779-A

FLOW XMTR 2FT129 CURRENT LOOP

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IF
 SAFETY COLOR YELLOW PAGE 16

NORMAL POWER SOURCE
 201B 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 2KRA 04

BUS TYPE UNIT LOAD TITLE
 COMPT DIST PT BRANCH TITLE
 UNIT D/P LOC

VOLTS FLA D/P M/D
 PHASE NOA DEVICE ELEM

COMMENTS

FLON XMTR 2FT130 CURRENT LOOP 0-1779-A

2KVIB 09 FDBKR RC SAMPLE ISOL VLV 0-1711-H
 2 2RC-162 & 2RC-164 1 120 0.00 OEE-262-4 & 5
 000000

SOL VLV 2RC-162 OEE-262-4
 SOL VLV 2RC-164 OEE-262-5

2KVIB 10 FDBKR STM GEN 1VL CNTRL 0-1778
 2 1 120 0.00
 000000

2KVIB 11 BKR SPARE 1 120 0.00
 2 000000

2KVIB 12 FDBKR ISOLATING TRANSFER 0-1759-F
 2 1 120 0.00
 000000

2KVIB 13 FDBKR ICC CABINET TRAIN 0-1714-M
 2 1 120 0.00
 000000

2KVIB 14 BKR SPARE 1 120 0.00
 2 000000

2KVIB 15 BKR SPARE 1 120 0.00
 2 000000

2KVIB 16 BKR SPARE 1 120 0.00
 2 000000

2KVIB 17 BKR SPARE 1 120 0.00
 2 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE 3/17/89
 SAFETY COLOR YELLOW PAGE 17

NORMAL POWER SOURCE
 201B 33

120 VAC VITAL INSTR
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 2KRA 04

ONE-LINE DIAG NO F4059

BLDG AUX ELEV 812+4 COORD LOC Q-74

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

120 0.00
 1 000000

SPARE

BKR

2KVI
 18
 2

120 0.00
 1 000000

SPARE

BKR

2KVI
 19
 2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2TA
 6900 V SWITCHGEAR

SAFETY CLASS NE
 SAFETY COLOR

PAGE

4/05/89
 11

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC C-29

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	B/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2TA 02 2	FDBKR		INCOMING FEEDER FROM 6900V NORMAL BUS	6900 3	0.00 000000	0-1702-A CEE-217-3	
2TA 03 2	FDBKR		REACTOR COOLANT PUMP MOTOR #2A1	6900 3	670.00 000000	0-1702-A CEE-217-4	9000 HP MOTOR
2TA 04 2	FDBKR		REACTOR COOLANT PUMP MOTOR #2B1	6900 3	670.00 000000	0-1702-A CEE-217-5	9000 HP MOTOR
2TA 05 2	FDBKR		INCOMING FEEDER FROM 6900V START- UP BUS	6900 3	0.00 000000	0-1702-A CEE-217-6	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2TB
 6900 V SWITCHGEAR

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE

4/05/89
 12

NORMAL POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC D-29

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2TB 02 2	FDBKR		INCOMING FEEDER FROM 6900V START- UP BUS	6900 3	0.00 000000	0-1702-A CEE-217-8	
2TB 03 2	FDBKR		REACTOR COOLANT PUMP MOTOR #2A2	6900 3	670.00 000000	0-1702-A CEE-217-9	9000 HP MOTOR
2TB 04 2	FDBKR		REACTOR COOLANT PUMP MOTOR #2B2	6900 3	670.00 000000	0-1702-A CEE-217-10	9000 HP MOTOR
2TB 05 2	FDBKR		INCOMING FEEDER FROM 6900V NORMAL BUS	6900 3	0.00 000000	0-1702-A CEE-217-11	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2TC
 4160 V SWITCHGEAR

SAFETY CLASS IE
 SAFETY COLOR

ALTERNATE POWER SOURCE

4/05/89
 PAGE 14

NORMAL POWER SOURCE

ONE-LINE DMG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-29

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA MVA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2TC 11 2	FDBKR		1P SERVICE WATER PUMP #C	4160 3	75.50 000000	0-1702 0EE-217-22	600 HP MOTOR
2TC 12 2	FDBKR		FEEDER FOR 600V TRANSFORMER #2X11	4160 3	0.00 000000	0-1702 0EE-217-23	1000KVA TRANSFORMER
2TC 13 2	FDBKR		FEEDER FOR 600V TRANSFORMER #2X8	4160 3	0.00 000000	0-1702 0EE-217-24	1000KVA TRANSFORMER
2TC 14 2	FDBKR		INCOMING FEEDER FROM 4160V SHGR #B2T BKR #3	4160 3	0.00 000000	0-1702 0EE-217-25	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR

4/05/89
 PAGE 1

ALTERNATE POWER SOURCE

NORMAL POWER SOURCE

4160 V SWITCHGEAR
 ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-30

BUS CORPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P R/D D/P ELEM DEVICE ELEM	COMMENTS
2TD 0 2		SPARE		4160 3	0.00 000000	0-1702	
2TD 00 2		SPARE		4160 3	0.00 000000	0-1702	
2TD 01 2	FDBKR	INCOMING FEEDER FROM 4160V SMGR #BIT BKR #11		4160 3	0.00 000000	0-1702 0EE-217-26	
2TD 02 2	FDBKR	FEEDER FOR 600V TRANSFORMER #2X2		4160 3	0.00 000000	0-1702 0EE-217-27	1500KVA TRANSFORMER
2TD 03 2	FDBKR	FEEDER FOR 600V TRANSFORMER #2X5		4160 3	0.00 000000	0-1702 0EE-217-28	1500KVA TRANSFORMER
2TD 04 2	FDBKR	CONDENSER CIRC WATER PUMP MOTOR #2B		4160 3	312.00 000000	0-1702 0EE-217-29	1750 HP MOTOR
2TD 05 2	FDBKR	CONDENSATE BOOSTER PUMP MOTOR #2B		4160 3	246.00 000000	0-1702 0EE-217-30	2000 HP MOTOR
2TD 06 2	FDBKR	HOTWELL PUMP MOTOR #2B		4160 3	126.00 000000	0-1702 0EE-217-31	1000 HP MOTOR
2TD 07 2	FDBKR	'2D2' HEATER DRAIN TANK PUMP MOTOR		4160 3	243.00 000000	0-1702 0EE-217-32	2000 HP MOTOR
2TD 08 2	FDBKR	'2E2' HEATER DRAIN TANK PUMP MOTOR		4160 3	39.10 000000	0-1702 0EE-217-33	300 HP MOTOR
2TD 09 2	FDBKR	HP INJECTION PUMP MOTOR #2C		4160 3	74.00 000000	0-1702 0EE-217-34	600 HP MOTOR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR
 4/05/89
 PAGE 2

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-30

4160 V SWITCHGEAR

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2TD 10 2	FDBKR		LP INJECTION PUMP MOTOR #2B	4160 3	52.20 000000	0-1702 0EE-217-35	400 HP MOTOR
2TD 11 2	FDBKR		REACTOR BLDG SPRAY PUMP MOTOR #2B	4160 3	32.00 000000	0-1702 0EE-217-36	250 HP MOTOR
2TD 12 2	FDBKR		LP SERVICE WATER PUMP MOTOR #B	4160 3	75.50 000000	0-1702 0EE-217-37	600 HP MOTOR, BACK- UP FEEDER
2TD 13 2	FDBKR		FEEDER FOR 600V TRANSFORMER #2X9	4160 3	0.00 000000	0-1702 0EE-217-38	1000KVA TRANSFORMER
2TD 14 2	FDBKR		INCOMING FEEDER FROM 4160V SMGR #82T BKR #3	4160 3	0.00 000000	0-1702 0EE-217-39	
2TD 15 2	FDBKR		MOTOR DRIVEN EMERG FEEDWATER PUMP MTR #2A	4160 3	75.00 000000	0-1702 0EE-217-54	600 HP MOTOR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2TE
 4160 V SWITCHGEAR

SAFETY CLASS 1E
 SAFETY COLOR
 4/05/89
 PAGE 3

ALTERNATE POWER SOURCE

NORMAL POWER SOURCE
 ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-31

BUS	TYPE UNIT	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	FLA	D/P M/D	COMMENTS
COMPT	DIST PT				PHASE	NOA	DEVICE ELEM	
UNIT	D/P LOC							
2TE 01 2	FDBKR			INCOMING FEEDER FROM 4160V SNGR #B1T BKR #11	4160 3	0.00 000000	G-1702 OEE-217-40	
2TE 02 2	FDBKR			FEEDER FOR 600V TRANSFORMER #2X3	4160 3	0.00 000000	G-1702 OEE-217-41	1500KVA TRANSFORMER
2TE 03 2	FDBKR			FEEDER FOR 600V TRANSFORMER #2X6	4160 3	0.00 000000	G-1702 OEE-217-42	1500KVA TRANSFORMER
2TE 04 2	FDBKR			CONDENSER CIRC WATER PUMP MOTOR #2C	4160 3	312.00 000000	G-1702 OEE-217-43	1750 HP MOTOR
2TE 05 2	FDBKR			CONDENSATE BOOSTER PUMP MOTOR #2C	4160 3	246.00 000000	G-1702 OEE-217-44	2000 HP MOTOR
2TE 06 2	FDBKR			HOTWELL PUMP MOTOR #2C	4160 3	126.00 000000	G-1702 OEE-217-45	1000 HP MOTOR
2TE 07 2	FDBKR			'2D1' HEATER DRAIN TANK PUMP MOTOR	4160 3	243.00 000000	G-1702 OEE-217-46	2000 HP MOTOR
2TE 08 2	FDBKR			'2E1' HEATER DRAIN TANK PUMP MOTOR	4160 3	38.10 000000	G-1702 OEE-217-47	300 HP MOTOR
2TE 09 2	FDBKR			HP INJECTION PUMP MOTOR #2B	4160 3	74.00 000000	G-1702 OEE-217-48	600 HP MOTOR
2TE 10 2	FDBKR			LP INJECTION PUMP MOTOR #2C	4160 3	52.20 000000	G-1702 OEE-217-49	400 HP MOTOR
2TE 11 2	FDBKR			SWITCHYARD FEEDER #B	4160 3	0.00 000000	G-1702 OEE-217-50	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 21E
 4160 V SWITCHGEAR

SAFETY CLASS 1E
 SAFETY COLOR
 ALTERNATE POWER SOURCE

4/05/89
 PAGE 4

NORMAL POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC K-31

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NGA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
21E 12 2	FDBKR		FEEDER FOR 600V TRANSFORMER #2X10	4160 3	0.00 000000	0-1702 0EE-217-51	300KVA TRANSFORMER
21E 13 2	FDBKR		CHILLER MOTOR #B	4160 3	45.00 000000	0-1702 0EE-217-52	350 HP MOTOR
21E 14 2	FDBKR		INCOMING FEEDER FROM 4160V SWGR #B2T BKR #3	4160 3	0.00 000000	0-1702 0EE-217-53	
21E 15 2	FDBKR		MOTOR DRIVEN EMERG FEEDWATER PUMP MTR #2B	4160 3	75.00 000000	0-1702 0EE-217-55	600 HP MOTOR
21E 16 2	FDBKR		FEEDER FOR 600V TRANSFORMER #1RW	4160 3	0.00 000000	0-1702 0EE-217-56	1500KVA TRANSFORMER

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

2D1A	125 VDC INSTRUMENTATION POWER PANELBOARD
2D1B	125 VDC INSTRUMENTATION POWER PANELBOARD
2D1C	125 VDC INSTRUMENTATION POWER PANELBOARD
2KVIC	120 VAC VITAL INSTR POWER PANELBOARD
2KV1D	120 VAC VITAL INSTR POWER PANELBOARD

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY

ALTERNATE POWER SOURCE
 3DCA 3A

3/17/89
 PAGE 1

NORMAL POWER SOURCE
 2DCA 3C

2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 CORD LOC P-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICES DESCRIPTION

VOLTS FLA
 PHASE NOA

SPARE

125 0.00
 DC 000000

KEONEE EMERGENCY
 STARTUP CHANNEL A

125 0.22
 DC 000000

O-1753-N
 OEE-220

RELAY CKT

OEE-220

2DIA
 03
 2

600V LOAD CENTER
 2X8

125 0.00
 DC 000000

O-1754-C
 OEE-216-1

A PAULBKR
 RE
 2X8

600 V LOAD CENTER
 2X8

125 0.00
 DC 000000

OM-1303-14
 OEE-216-1

B FUSE
 RA
 2X8

RELAY 27X CKT

125 0.00
 DC 000000

OM-1303-14
 OEE-216-1

C FUSE
 RB
 2X8

RELAY 27X1 & 27X2
 CKT

125 0.00
 DC 000000

OM-1303-14
 OEE-216-1

D FUSE
 RC
 2X8

RELAY 27X3 CKT

125 0.00
 DC 000000

OM-1303-14
 OEE-216-1

E FUSE
 RD
 2X8

RELAY 27X4 CKT

125 0.00
 DC 000000

OM-1303-14
 OEE-216-1

CLOSE AND TRIP CKT
 FOR BKR NO 4A

PULL OFF FUSE BLOCK
 SLUGGED

OM-1303-14
 OEE-1303-12

F POFB
 4EA
 2X8

CLOSING CKT FOR
 BKR NO 4A

125 0.00
 DC 000000

OM-1303-14
 OEE-1303-12

G FUSE
 4EB
 2X8

125 0.00
 DC 000000

OM-1303-14
 OEE-1303-12

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89
 PAGE 2

NORMAL POWER SOURCE
 2DCA 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-74

ALTERNATE POWER SOURCE
 3DCA 3A

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

VOLTS FLA
 PHASE NDA

H	I	J	K	L	M	N	O	P	Q	R
POFB 4EE 2X8	FUSE 4EF 2X8	POFB 4EG 2X8	FUSE 4EH 2X8	POFB 5EA 2X8	FUSE 5EB 2X8	POFB 5EC 2X8	FUSE 5ED 2X8	POFB 5EE 2X8	FUSE 5EF 2X8	POFB 5EG 2X8
DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
125	125	125	125	125	125	125	125	125	125	125
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
CLOSE AND TRIP CKT FOR BKR NO 4C	CLOSING CKT FOR BKR NO 4C	CLOSE AND TRIP CKT FOR BKR NO 4D	CLOSING CKT FOR BKR NO 4D	CLOSE AND TRIP CKT FOR BKR NO 5A	CLOSING CKT FOR BKR NO 5A	CLOSE AND TRIP CKT FOR BKR NO 5B	CLOSING CKT FOR BKR NO 5B	CLOSE AND TRIP CKT FOR BKR NO 5C	CLOSING CKT FOR BKR NO 5C	CLOSE AND TRIP CKT FOR BKR NO 5D
OM-1303-14 OM-1303-12	OM-1303-14 OM-1303-12	OM-1303-14 OM-1303-12	OM-1303-14 OM-1303-12	OM-1303-14 OEE-216-5	OM-1303-14 OEE-216-5	OM-1303-14 OEE-216-5	OM-1303-14 OEE-216-5	OM-1303-14 OEE-216-5	OM-1303-14 OEE-216-5	OM-1303-14 OEE-216-5
PULL OFF FUSE BLOCK SLUGGED		PULL OFF FUSE BLOCK SLUGGED BKR REMOVED	BREAKER REMOVED	PULL OFF FUSE BLOCK SLUGGED		PULL OFF FUSE BLOCK SLUGGED		PULL OFF FUSE BLOCK SLUGGED	PULL OFF FUSE BLOCK SLUGGED SPARE BKR	SPARE BREAKER
										PULL OFF FUSE BLOCK SLUGGED BKR REMOVED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY

ALTERNATE POWER SOURCE
 30CA 3A

2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-74

NORMAL POWER SOURCE
 2DCA 3C

3/17/89
 PAGE 3

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NDA	D/P M/D D/P ELEM DEVICE ELEM	COMMENT
S	FUSE 5EH 2X8		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-1303-14 OM-1303-12	BREAKER REMOVED
T	POFB 6EA 2X8		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-1303-14 OEE-216-5	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 2X8		CLOSING CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-1303-14 OEE-216-5	
V	POFB 6EC 2X8		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
W	FUSE 6ED 2X8		CLOSING CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-1303-14 OM-1303-12	SPARE BREAKER
X	POFB 6EE 2X8		CLOSE AND TRIP CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-1303-14 OEE-216-5	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 2X8		CLOSING CKT FOR BKR NO 6C	125 DC	0.00 000000	OM-1303-14 OEE-216-5	
Z	POFB 6EG 2X8		CLOSE AND TRIP CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
1	FUSE 6EH 2X8		CLOSING CKT FOR BKR NO 6D	125 DC	0.00 000000	OM-1303-14 OM-1303-12	SPARE BREAKER
2DIA 04 2	FDBKR		OTSI EMERG PWR SW LOGIC INTERPOSING RELAY	125 DC	0.11 000000	0-1753-C OEE-117-92-0C	
2DIA 05 2	FDBKR		MAIN FEEDER BUS MONITOR RELAY UV LOGIC	125 DC	0.00 000000	0-1777 OEE-217-1S	

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89 PAGE 4

NORMAL POWER SOURCE ZDCA 3C
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810 COORD LOC P-74

ALTERNATE POWER SOURCE
 3DCA 3A

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

RELAY CKT OEE-217-1S

2DIA 06 2 FDBKR TURBINE CNTRL MISC ALARM RELAYS
 125 0.36 000000
 DC

O-1771
 OEE-221-40

RELAY CKT OEE-221-40 & 44

2DIA 07 2 FDBKR TURBINE CNTRL AUX TRIP

O-1771-A
 OEE-221-5 T0 7

A SWITCH S2 EHC TURBINE CNTRLS AUX TRIP CKT

O-1771-A
 OEE-221-5 T0 7

RELAY CKT OEE-221-5 T0 7

2DIA 08 2 FDBKR LOCKOUT FOR TRANSFORMER CT2 (2EB2)

O-715-M
 OEE-71-1

RELAY CKT OEE-71-1

2DIA 09 2 BKR SPARE

125 0.00 000000
 DC

2DIA 10 2 FDBKR AUTO-SYNCRONIZER DC (2EB3)

O-715-N
 OEE-212-2

A SLTB ASP 2EB2 AUTO SYNC DC CKT

O-715-N
 OEE-212-2

RELAY CKT OEE-212-2

2DIA 11 2 BKR SPARE

125 0.00 000000
 DC

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IF
 SAFETY COLOR GRAY

3/17/89
 PAGE 5

ALTERNATE POWER SOURCE
 3DCA 3A

NORMAL POWER SOURCE
 2DCA 3C

2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810
 COORD LOC P-74

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

G-1782-L
 OEE-239-01

125 0.00
 DC 000000

CRD AC BKR TRIP
 CKT

2DIA
 12
 2

G-1753-A
 OEE-217-1B

125 0.00
 DC 000000

NORMAL UNDERVOLT-
 AGE TRANSFER
 CHANNEL A

2DIA
 13
 2

G-1753-F
 OEE-217-1B

125 0.00
 DC 000000

NORM U V TRANSFER

A

SLTB
 2NAP
 2EPSLPI

U V TRANSFER RELAY CKT

G-1753-F
 OEE-217-1E

125 0.00
 DC 000000

STARTUP UNDERVOLT-
 AGE TRANSFER
 CHANNEL A

2DIA
 14
 2

G-1753-F
 OEE-217-1E

125 0.00
 DC 000000

START-UP U V
 TRANSFER

A

SLTB
 2EAP
 2EPSLPI

START-UP UV TRANSFER RELAY CKT

G-1753-C
 OEE-217-1H

125 1.40
 DC 000000

LOAD SHEDDING
 CHANNEL A

2DIA
 15
 2

G-1753-C
 OEE-217-1H

125 1.40
 DC 000000

LOAD SHEDDING CH A

A

SLTB
 2SAP
 2EPSLPI

LOAD SHEDDING RELAY CKT

OEE-217-1H

125 0.00
 DC 000000

SPARE

2DIA
 16
 2

OEE-217-1H

125 0.00
 DC 000000

SPARE

2DIA
 17
 2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89

NORMAL POWER SOURCE
 2DCA 3C

2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 3DCA 3A

ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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2DIA 18 2	FDBKR	7 KV SWITCHGEAR 2TB (TRIP)		125 DC	27.30 000000	0-1751-H OEE-217-8A & 11A	
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A	PNLBKR AR 2TB5	7 KV SWITCHGEAR BKR TRIP		125 DC	27.30 000000	0-1751-H OEE-217-11A	
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B	FUSE AX 2TB5	7 KV SWITCHGEAR BKR TRIP		125 DC	6.70 000000	OM-302-57 OEE-217-11A	
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C	FUSF AX 2TB2	7 KV SWITCHGEAR BKR TRIP UNIT 5		125 DC	7.20 000000	OM-302-54 OEE-217-8A & 7	
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D	FUSE AX 2TB3	7KV SWITCHGEAR BKR TRIP UNIT 2		125 DC	6.70 000000	OEE-217-8A	
---	--------------------	--------------------------------	--	-----------	----------------	------------	--

E	FUSE AX 2TB4	7KV SWITCHGEAR BKR TRIP UNIT 3		125 DC	6.70 000000	OM-302-50 OEE-217-10 & 10A	
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		7KV SWITCHGEAR BKR TRIP UNIT 4				OEE-217-10 & 10A	
--	--	--------------------------------	--	--	--	------------------	--

2DIA 19 2	FDBKR	CONDENSOR CIRCULAT -ING WATER & VAC- UUM PRIMING 2MTCI		125 DC	0.00 000000	0-1766-B OEE-236-01 TO 03	
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		COND CIRC WTR EMERG CNTRLS RELAY CKT				OEE-236-1 TO 3	
--	--	--------------------------------------	--	--	--	----------------	--

		SOL VLV ~SV54				OEE-236-2	
--	--	---------------	--	--	--	-----------	--

		SOL VLV 23V55				OEE-236-2	
--	--	---------------	--	--	--	-----------	--

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89 PAGE 7

NORMAL POWER SOURCE
 2DCA 3C

2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

BLDG AUX ELEV 810 COORD LOC P-74

D/P M/D
 D/P ELEM
 DEVICE ELE.1

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

SOL VLV 2SV56 OEE-236-2
 SOL VLV 2SV57 OEE-236-2

2DIA FDBKR CONDENSATE DC O-1766-C
 20 INTERLOCKS 125 2.43 OEE-245-A TO C
 2 DC 000000

2DIA BKR SPARE OEE-245-A TO C
 21
 2 DC 000000

2DIA FDBKR TRANSFORMER 2, 2T & O-1762
 22 CT2 MULTIFYRE OEE-233
 2 DC 000000

A SLTB MULTIFYRE FOR XFMR O-1762
 P1 NO 2 OEE-233
 TB1171 DC 000000

SOL VLV 2SV159 OEE-233
 B SLTB MULTIFYRE FOR XFMR O-1762
 P2 NO 2T OEE-233
 TB1171 DC 000000

SOL VLV 2SV160 OEE-233
 C SLTB MULTIFYRE FOR XFMR O-1762
 P3 NO CT2 OEE-233
 DC 000000

SOL VLV 2SV161 OEE-233
 BKR SPARE
 2DIA 125 0.00
 23 DC 000000
 2

2DIA FDBKR CONTROL ROD DRIVE O-1782-F
 24 PRIMARY TRIP BKR OEE-239-01
 2 DC 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89
 PAGE 8

ALTERNATE POWER SOURCE
 3DCA 3A

NORMAL POWER SOURCE
 2DCA 3C

COORD LOC P-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

BUS	COMPT	UNIT	TYPE UNIT	DIST PT	D/P LOC	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	FLA	NDA	D/P M/D	D/P ELEM	DEVICE ELEM	COMMENTS
2DIA	25	2	FDBKR			4 KV SWITCHGEAR	2TC (CLOSE-TRIP)		125	0.00		0-1751-A	0EE-217-12	TO 25	
A			PNL/BKR			4 KV SWITCHGEAR	BKR CLOSE-TRIP		125	0.00		0-1751-A	0EE-217-12		
B			FUSE			4 KV SWITCHGEAR	BKR CLOSE-TRIP		125	10.00		CM-302-84	0EE-217-12		
C			FUSE			4KV SMGR BKR	CLOSE-TRIP UNIT 1		125	10.00		0EE-217-12			
D			FUSE			4 KV SWITCHGEAR	BKR CLOSE-TRIP		125	10.00		CM-302-85	0EE-217-13		
E			FUSE			4KV SMGR BKR	CLOSE-TRIP UNIT 2		125	10.00		0EE-217-13			
F			FUSE			4 KV SWITCHGEAR	BKR CLOSE-TRIP		125	10.00		CM-302-88	0EE-217-14		
G			FUSE			4KV SMGR BKR	CLOSE-TRIP UNIT 3		125	10.00		0EE-217-14			
			FUSE			4 KV SWITCHGEAR	BKR CLOSE-TRIP		125	10.00		CM-302-88	0EE-217-15		
			FUSE			4KV SMGR BKR	CLOSE-TRIP UNIT 4		125	10.00		0EE-217-15			
			FUSE			4 KV SWITCHGEAR	BKR CLOSE-TRIP		125	10.00		CM-302-88	0EE-217-16		
			FUSE			4KV SMGR BKR	CLOSE-TRIP UNIT 5		125	10.00		0EE-217-16			
			FUSE			4 KV SWITCHGEAR	BKR CLOSE-TRIP		125	10.00		CM-302-87	0EE-217-17	SHT 2	

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89
 PAGE 9

ALTERNATE POWER SOURCE
 3DCA 3A

NORMAL POWER SOURCE
 2DCA 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

BUS	COMPT	UNIT	TYPE UNIT	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	FLA	NOA	D/P M/D	D/P ELEM	DEVICE ELEM	COMMENTS
H			FUSE AY 2TC7	4KV SMGR BKR CLOSE-TRIP UNIT 6		4 KV SWITCHGEAR BKR CLOSE-TRIP	125	10.00					0EE-217-17 OM-302-89 0EE-217-18
I			FUSE AY 2TC8	4KV SMGR BKR CLOSE-TRIP UNIT 7		4 KV SWITCHGEAR BKR CLOSE-TRIP	125	10.00					0EE-217-18 OM-302-86 SHT 2 0EE-217-19
J			FUSE AY 2TC9	4KV SMGR BKR CLOSE-TRIP UNIT 8		4 KV SWITCHGEAR BKR CLOSE-TRIP	125	10.00					0EE-217-19 OM-302-86 SHT 2 0EE-217-20
K			FUSE AY 2TC10	4KV SMGR BKR CLOSE-TRIP UNIT 9		4 KV SWITCHGEAR BKR CLOSE-TRIP	125	10.00					0EE-217-20 OM-302-86 SHT 2 0EE-217-21
L			FUSE AY 2TC11	4KV SMGR BKR CLOSE-TRIP UNIT 10		4 KV SWITCHGEAR BKR CLOSE-TRIP	125	10.00					0EE-217-21 OM-302-87 SHT 1 0EE-217-22
M			FUSE AY 2TC12	4KV SMGR BKR CLOSE-TRIP UNIT 11		4 KV SWITCHGEAR BKR CLOSE-TRIP	125	10.00					0EE-217-22 OM-302-91 0EE-217-23
N			FUSE AY 2TC13	4KV SMGR BKR CLOSE-TRIP UNIT 12		4 KV SWITCHGEAR BKR CLOSE-TRIP	125	10.00					0EE-217-23 OM-302-86 SHT 1 0EE-217-24

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

SAFETY CLASS IE
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 3DCA 3A

3/17/89
 PAGE 10

NORMAL POWER SOURCE
 2DCA 3C

COORD LOC P-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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4KV SWGR BKR CLOSE-TRIP UNIT 13

Ø	FUSE AY 2TC14	4 KV SWITCHGEAR BKR CLOSE-TRIP	125 DC	10.00 000000	ØEE-217-24 ØM-302-90 ØEE-217-25	
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4KV SWGR BKR CLOSE-TRIP UNIT 14

P	FUSE F2 2TC2	4 KV LOAD SHED	125 DC	0.21 000000	Ø-1751-A ØEE-217-13	
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4KV LOAD SHED RELAY CKT

2DIA 26 2	FDBKR	4 KV SWITCHGEAR BIT (11-13) (CLOSE-TRIP)	125 DC	0.00 000000	Ø-751-L ØEE-117-12A TO 14B	
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A	PNLBKR AR BIT11	4 KV SWITCHGEAR BKR CLOSE-TRIP	125 DC	0.00 000000	Ø-751-L ØEE-117-12A	
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B	FUSE AW BIT11	4 KV SWITCHGEAR BKR CLOSE-TRIP	125 DC	10.00 000000	ØM-302-137 ØEE-117-12A	
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4KV SWGR BKR CLOSE-TRIP UNIT 11

C	FUSE AW BIT13	4 KV SWITCHGEAR BKR CLOSE-TRIP	125 DC	10.00 000000	ØEE-117-12A ØM-302-139 ØEE-117-14A & 14B	
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4KV SWGR BKR CLOSE-TRIP UNIT 13

D	FUSE LF BIT12	BUS NO 1 LOCKOUT CKT	125 DC	0.00 000000	ØEE-117-14A & 14B ØM-302-138 ØEE-117-14A	
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LOCKOUT RELAY CKT

2DIA 27 2	FDBKR	STANDBY BUS 1 UNDERVOLTAGE PHASE A	125 DC	0.53 000000	Ø-1753-H ØEE-217-1J	
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89
 PAGE 11

ALTERNATE POWER SOURCE
 3DCA 3A

NORMAL POWER SOURCE
 2DCA 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC P-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

0-1753-H
 OEE-217-1J

125 0.00
 DC 000000

STANDBY BUS NO 1
 U V PH A

OEE-217-1J

U V RELAY CKT

0-1753-J
 OEE-217-1P

125 0.53
 DC 000000

STANDBY BUS 2
 UNDERVOLTAGE
 PHASE C

0-1753-J
 OEE-217-1P

125 0.00
 DC 000000

STANDBY BUS NO 2
 U V PH C

OEE-217-1P

U V RELAY CKT

0-1766-E
 OEE-255-01

125 0.11
 DC 000000

MISC TERM CAB

0-1766-E
 OEE-255-01

125 0.11
 DC 000000

RCP RUNNING RELAY
 CKT

125 0.00
 DC 000000

SPARE

0-1751-G
 OEE-217-3A & 6A

125 0.00
 DC 000000

7 KV SWITCHGEAR
 2TA (2-5)
 (CLOSE-TRIP)

0-1751-G
 OEE-217-3A

125 0.00
 DC 000000

7 KV SWITCHGEAR
 BKR CLOSE-TRIP

OM-302-55
 OEE-217-3A

125 10.00
 DC 000000

7 KV SWITCHGEAR
 BKR CLOSE-TRIP

OEE-217-3A

7KV SMGR BKR CLOSE-TRIP UNIT 2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

SAFETY CLASS IE
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 3DCA 3A

3/17/89
 PAGE 12

NORMAL POWER SOURCE
 2DCA 3C

BUS COMP UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
C	FUSE FU 2TA2	GEN LOCKOUT AUX	GEN LOCKOUT AUX	125 DC	0.00 000000	OM-302-55 OEE-217-3A	
D	FUSE AZ 2TA3	GEN LOCKOUT AUX RELAY CKT	7 KV SWITCHGEAR BKR CLOSE-TRIP	125 9C	10.00 000000	OEE-217-3A OM-302-49 OEE-217-4 & 4A	
E	FUSE AZ 2TA4	7KV SMGR BKR CLOSE-TRIP UNIT 3	7 KV SWITCHGEAR BKR CLOSE-TRIP	125 DC	10.00 000000	OEE-217-4 & 4A OM-302-50 OEE-217-5 & 5A	
F	FUSE AZ 2TA5	7KV SMGR BKR CLOSE-TRIP UNIT 4	7 KV SWITCHGEAR BKR CLOSE-TRIP	125 DC	10.00 000000	OEE-217-5 & 5A OM-302-52 OEE-217-6A	
G	FUSE FU 2TA5	7KV SMGR BKR CLOSE-TRIP UNIT 5	2TA BKR THROVER CKT	125 DC	0.00 000000	OEE-217-6A OM-302-52 OEE-217-6A & 2	
		BKR THROVER RELAY CKT				OEE-217-6A & 2	
2DIA 32 2	FDBKR	4 KV SWITCHGEAR 2TD (TRIP)		125 DC	60.41 000000	O-1751-D OEE-217-26 TO 39	
A	PHLBKR LE 2TD14	4 KV SWITCHGEAR BKR TRIP		125 DC	60.41 000000	O-1751-D OEE-217-39	
B	FUSE LC 2TU14	4 KV SWITCHGEAR BKR TRIP		125 DC	6.70 000000	OM-302-90 OEE-217-39	

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89
 PAGE 13

NORMAL POWER SOURCE
 ZDCA 3C

2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
 3UCA 3A

BLDG AUX ELEV 810 COORD LOC P-74

BUS COMPT UNIT TYPE UNIT LOAD TITLE DEVICE DESCRIPTION VOLTS FLA D/P M/D COMMENTS
 DIST PT BRANCH TITLE PHASE NDA DEVICE ELEM

C	FUSE LC 2TD1	4KV SWGR BKR TRIP UNIT 14	4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	OEE-217-39 OM-302-84 OEE-217-26	
D	FUSE LC 2TD2	4KV SWGR BKR TRIP UNIT 1	4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	OEE-217-26 OM-302-85 OEE-217-27	
E	FUSE LC 2TD3	4KV SWGR BKR TRIP UNIT 2	4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	OEE-217-27 OM-302-87 SHT 1 OEE-217-28	
F	FUSE LC 2TD4	4KV SWGR BKR TRIP UNIT 3	4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	OEE-217-28 OM-302-88 OEE-217-29	
G	FUSE LC 2TD5	4KV SWGR BKR TRIP UNIT 4	4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	OEE-217-29 OM-302-87 SHT 2 OEE-217-30	
H	FUSE LC 2TD6	4KV SWGR BKR TRIP UNIT 5	4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	OEE-217-30 OM-302-87 SHT 2 OEE-217-31	
I	FUSE LC 2TD7	4KV SWGR BKR TRIP UNIT 6	4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	OEE-217-31 OM-302-89 OEE-217-32	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMS NO F4059
 BLDG AUX ELEV 810

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 3DCA 5A

3/17/89
 PAGE 14

NORMAL POWER SOURCE
 2DCA 5C

COORD LOC P-74

BUS COMPT UNIT	TYPE UNIT D/P LC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
J	FUSE LC 2TD8	4KV SWGR BKR TRIP UNIT 7 4 KV SWITCHGEAR BKR TRIP	125 DC	6.70 000000	0EE-217-32 OM-302-87 SHT 2 0EE-217-33	
K	FUSE LC 2TD9	4KV SWGR BKR TRIP UNIT 8 4 KV SWITCHGEAR BKR TRIP	125 DC	0.00 000000	0EE-217-33 OM-302-86 SHT 2 0EE-217-34	NOT USED
L	FUSE LC 2TD10	4 KV SWITCHGEAR BKR TRIP	125 DC	0.00 000000	OM-302-86 SHT 2 0EE-217-35	NOT USED
M	FUSE LC 2TD11	4 KV SWITCHGEAR BKR TRIP	125 DC	0.00 000000	OM-302-86 SHT 2 0EE-217-36	NOT USED
N	FUSE LC 2TD12	4 KV SWITCHGEAR BKR TRIP	125 DC	0.00 000000	OM-302-86 SHT 1 0EE-217-37	NOT USED
O	FUSE LC 2TD13	LOAD SHED TRIP	125 DC	0.22 000000	0-1751-D 0EE-217-38	

LOAD SHED TRIP RELAY CKT

2DIA
 33
 2

FDBKR 9.3 KVA STATIC
 INVERTER 2DIA

0-1705
 125 0.00
 DC 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D-U-K-E P-O-W-E-R C-O-M-P-A-N-Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 3A

3/17/89
 15

ALTERNATE POWER SOURCE
 3DCB

NORMAL POWER SOURCE
 2DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810

COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2DIB 01 2	FDBKR		EFMT, FMT 2A & 2B MAIN TURBINE MULSIFYRE	125 DC	2.60 000000	0-1762 0EE-233-1	
A	SLTB Y3 TB1175		MAIN TURBINE & OIL TANK MULSIFYRE	125 DC	0.50 000000	0-1762 0EE-233-1	
B	SLTB Y15 TB1175	S01 VLV 2SV154	EFM TURBINE & OIL TANK MULSIFYRE	125 DC	0.50 000000	0EE-233-1 0-1762 0EE-233-1	
C	SLTB Y7 TB1176	S01 VLV 2SV157	H2 SEAL OIL TANK MULSIFYRE	125 DC	0.50 000000	0EE-233-1 0-1762 0EE-233-1	
D	SLTB Y11 TB1176	S01 VLV 2SV156	FW TURBINE 2A & OIL TANK MULSIFYRE	125 DC	0.50 000000	0EE-233-1 0-1762 0EE-233-1	
E	SLTB Y19 TB1176	S01 VLV 2SV155	FW TURBINE 2B & OIL TANK MULSIFYRE	125 DC	0.50 000000	0EE-233-1 0-1762 0EE-233-1	
F	SLTB P TB1176	S01 VLV 2SV156	MULSIFYRE TRIPPED	125 DC	0.10 000000	0EE-233-1 0-1762 0EE-233-1	
RELAY CRT							
2DIB 02 2	FDBKR		KEONEE EMERGENCY STARTUP CHANNEL B	125 DC	0.23 000000	0-1753-N 0EE-220-1	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 3/17/89
 PAGE 16

NORMAL POWER SOURCE 2DCA 3D
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810 COORD LOC Q-74

ALTERNATE POWER SOURCE
 3DLB 3A

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
RELAY CKT						
2DIB 03 2	FDBKR	TURBINE MISC CONTROL	125 DC	0.00 000000	0-1772-D 0EE-221-41	
A	SLTB 2TP 2TTC3	MISC TURB CNTRL	125 DC	0.23 000000	0-1772-D 0EE-221-41	
RELAY CKT						
B	SLTB X17 2VB3	TURBINE OIL FIRE TRIP	125 DC	0.00 000000	0-1714-M 0EE-221-41	
RESET RELAY CKT						
C	SLTB 2TP3 2TTC3	MISC TURB CNTRL	125 DC	0.14 000000	0-1772-D 0EE-221-42 & 43	
RELAY CKT						
2DIB 04 2	BKR	SPARE	125 DC	0.00 000000	0EE-221-42 & 43	
RELAY CKT						
2DIB 05 2	FDBKR	MAIN FEEDER BUS MONITOR U V LOGIC	125 DC	0.00 000000	0-1777 0EE-217-1S	
A	SLTB 2M1BP 2MFBMRP	MAIN FEEDER BUS MONITOR UV LOGIC	125 DC	0.00 000000	0-1777 0EE-217-1S	
RELAY CKT						
2DIB 06 2	FDBKR	ANNUNCIATOR REFLASH MODULES VERTICAL BD 2VB3	125 DC	0.00 000000	0-1714-J	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW
 PAGE 3A

3/17/89
 17

NORMAL POWER SOURCE
 2DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

2DIB
 COORD LOC Q-74

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA NOA D/P M/D D/P ELEM DEVICE ELEM COMMENTS

REFLASH MODULE AA 0-1714-J
 REFLASH MODULE AB 0-1714-J
 REFLASH MODULE AC 0-1714-J
 REFLASH MODULE AD 0-1714-J
 REFLASH MODULE AE 0-1714-J

2DIB 07 2 FDBKR UNIT 2 MAIN RELAYING (2EB4) 125 DC 0.00 000000 0-715-N OEE-211-1

A FUZE FU 2EB4 UNIT 2 MAIN RELAYING 125 DC 0.00 000000 0-715-N OEE-211-1 & 1A

RELAY CKT OEE-211-1 & 1A

2DIB 08 2 BKR SPARE 125 DC 0.00 000000

2DIB 09 2 FDBKR STANDBY BUS 1 UNDERVOLTAGE PHASE B 125 DC 0.53 000000 0-1753-H OEE-217-1K

A SLTB 2SB1BP 2EPSLP2 STANDBY BUS 1 UV PH B 125 DC 0.00 000000 0-1753-H OEE-217-1K

RELAY CKT OEE-217-1K

2DIB 10 2 FDBKR VLV FDM 315 EFDMP DISCH TO STM GEN 2A 125 DC 1.00 000000 0-1751-D OEE-245-66

SOL VLV 2SV200 OEE-245-66

SOL VLV 2SV204 OEE-245-66

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW
 PAGE 18

ALTERNATE POWER SOURCE
 3DCB 3A

NORMAL POWER SOURCE
 20CA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COORD LOC C-74
2DIB 11 2	FDBKR	NORMAL UNDERVOLT- AGE TRANSFER CHANNEL B		125 DC	0.63 000000	0-1753-A 0EE-217-1C	
A	SLTB 2NRP 2EPSLPI	NORMAL UV TRANSFER CH B		125 DC	0.63 000000	0-1753-A 0EE-217-1C	
RELAY CKT							
2DIB 12 2	FDBKR	STARTUP UNDERVOLT- AGE TRANSFER CHANNEL B		125 DC	0.84 000000	0-1753-F 0EE-217-1F	
A	SLTB 2EBP 2EPSLPI	START-UP UV TRANSFER CH B		125 DC	0.84 000000	0-1753-F 0EE-217-1F	
RELAY CKT							
2DIB 13 2	FDBKR	LOAD SHEDDING CHANNEL B		125 DC	1.37 000000	0-1753-D 0EE-217-1I	
RELAY CKT							
2DIB 14 2	BKR	SPARE		125 DC	0.00 000000		
2DIB 15 2	FDBKR	4160V SWITCHGEAR 2TC (TRIP)		125 DC	53.71 000000	0-1751-B 0EE-217-12 TO 25	
A	PNLBKR LE 2TC14	4 KV SWITCHGEAR 2TC TRIP		125 DC	53.71 000000	0-1751-B 0EE-217-25	
B	FUSE LC 2TC14	4 KV SWITCHGEAR 2TC BCR TRIP		125 DC	6.70 000000	0M-302-90 0EE-217-25	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 19

NORMAL POWER SOURCE
 2DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMS NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICES DESCRIPTION
 VOLTS
 PHASE
 FLA
 NOA
 D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

BUS COMPT UNIT	TYPE UNIT	DIST PT	D/P LOC	LOAD TITLE	BRANCH TITLE	DEVICES DESCRIPTION	VOLTS	PHASE	FLA	NOA	D/P M/D	D/P ELEM	DEVICE ELEM	COMMENTS
C	FUSE	LC	2TC1	4KV SMGR TRIP UNIT 14		4 KV SWITCHGEAR 2TC BKR TRIP	125	DC	6.70	000000			0EE-217-25 OM-302-84 0EE-217-12	
D	FUSE	LC	2TC2	4KV SMGR TRIP UNIT 1		4 KV SWITCHGEAR 2TC BKR TRIP	125	DC	6.70	000000			0EE-217-12 OM-302-85 0EE-217-13	
E	FUSE	LC	2TC3	4KV SMGR TRIP UNIT 2		4 KV SWITCHGEAR 2TC BKR TRIP	125	DC	6.70	000000			0EE-217-13 OM-302-87 SHT 1 0EE-217-14	
F	FUSE	LC	2TC4	4KV SMGR TRIP UNIT 3		4 KV SWITCHGEAR 2TC BKR TRIP	125	DC	6.70	000000			0EE-217-14 OM-302-88 0EE-217-15	
G	FUSE	LC	2TC5	4KV SMGR TRIP UNIT 4		4 KV SWITCHGEAR 2TC BKR TRIP	125	DC	6.70	000000			0EE-217-15 OM-302-88 0EE-217-16	
H	FUSE	LC	2TC6	4KV SMGR TRIP UNIT 5		4 KV SWITCHGEAR 2TC BKR TRIP	125	DC	6.70	000000			0EE-217-16 OM-302-87 SHT 2 0EE-217-17	
I	FUSE	LC	2TC7	4KV SMGR TRIP UNIT 6		4 KV SWITCHGEAR 2TC BKR TRIP	125	DC	6.70	000000			0EE-217-17 OM-302-89 0EE-217-18	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 20

NORMAL POWER SOURCE
 ZDCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 30CB 3A

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
			4KV SMGR TRIP UNIT 7			0EE-217-18	
J	FUSE LC 2TC8	4 KV SWITCHGEAR 2TC BKR TRIP		125 DC	0.00 000000	OM-302-86 SHT 2 0EE-217-19	NOT USED
K	FUSE LC 2TC9	4 KV SWITCHGEAR 2TC BKR TRIP		125 DC	0.00 000000	OM-302-86 SHT 2 0EE-217-20	NOT USED
L	FUSE LC 2TC10	4 KV SWITCHGEAR 2TC BKR TRIP		125 DC	0.00 000000	OM-302-86 SHT 2 0EE-217-21	NOT USED
M	FUSE LC 2TC11	4 KV SWITCHGEAR 2TC BKR TRIP		125 DC	0.00 000000	OM-302-87 SHT 1 0EE-217-22	NOT USED
N	FUSE LC 2TC12	LOAD SHEDDING		125 DC	0.21 000000	OM-302-91 0EE-217-23	
			RELAY CKT			0EE-217-23	
O	FUSE LC 2TC13	4 KV SWITCHGEAR 2TC BKR TRIP		125 DC	0.00 000000	OM-302-86 SHT 1 0EE-217-24	NOT USED
			4KV SMGR TRIP UNIT 14			0-1751-F 0EE-217-53	
2D13 16 2	FDBKR LC 2TE13	4160V SWITCHGEAR 2TE (TRIP)		125 DC	0.00 000000	OM-302-86 SHT 1 0EE-217-24	
A	PNLBKR LE 2TE14	4 KV SWITCHGEAR 2TE TRIP		125 DC	0.00 000000	0-1751-F 0EE-217-53	
B	FUSE LC 2TE14	4 KV SWITCHGEAR 2TE BKR TRIP		125 DC	6.70 000000	OM-302-90 0EE-217-53	

LIST NUMBER 06A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 21

NORMAL POWER SOURCE
 ZUCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS PHASE
 FLA NOA
 D/P M/D
 D/P ELEM
 DEVICE ELEM

COORD LOC Q-74

COMMENTS

C	FUSE LC 2TE1	4KV SWGR TRIP UNIT 1	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0M-302-84 0EE-217-40	
D	FUSE LC 2TE2	4KV SWGR TRIP UNIT 1	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0EE-217-40	
E	FUSE LC 2TE3	4KV SWGR TRIP UNIT 2	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0EE-217-41 0M-302-87 SHT 1 0EE-217-42	
F	FUSE LC 2TE4	4KV SWGR TRIP UNIT 3	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0EE-217-42	
G	FUSE LC 2TE5	4KV SWGR TRIP UNIT 4	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0M-302-88 0EE-217-43	
H	FUSE LC 2TE6	4KV SWGR TRIP UNIT 5	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0EE-217-43 0M-302-87 SHT 2 0EE-217-44	
I	FUSE LC 2TE7	4KV SWGR TRIP UNIT 6	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0EE-217-44 0M-302-87 SHT 2 0EE-217-45	
		4KV SWGR TRIP UNIT 7	4 KV SWITCHGEAR 2TE BKR TRIP	125 DC	6.70 000000	0EE-217-45 0M-302-89 0EE-217-46	
						0EE-217-46	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 22

NORMAL POWER SOURCE
 ZDCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE
 BLDG AUX ELEV 810
 COORD LOC Q-74

COMMENTS

BUS COMPT UNIT	TYPE UNIT	LOAD TITLE	BRANCH TITLE	BLDG AUX ELEV 810	COORD LOC Q-74	VOLTS	FLA	D/P M/D	SAFETY CLASS	SAFETY COLOR	PAGE
J	FUSE LC 2TE8	4 KV SWITCHGEAR 2TE BKR TRIP				125 DC	6.70 000000	OM-302-87 SHT 2 OEE-217-47	1E	YELLOW	22
K	FUSE LC 2TE9	4 KV SWITCHGEAR 2TE BKR TRIP				125 DC	0.00 000000	OM-302-86 SHT 2 OEE-217-48	1E	YELLOW	22
L	FUSE LC 2TE10	4 KV SWITCHGEAR 2TE BKR TRIP				125 DC	6.70 000000	OM-302-86 SHT 2 OEE-217-49	1E	YELLOW	22
M	FUSE LC 2TE11	4KV SMGR TRIP UNIT 10 4 KV SWITCHGEAR 2TE BKR TRIP				125 DC	6.70 000000	OEE-217-49 OM-302-86 SHT 1 OEE-217-50	1E	YELLOW	22
N	FUSE LC 2TE12	4KV SMGR TRIP UNIT 11 4 KV SWITCHGEAR 2TE BKR TRIP				125 DC	0.00 000000	OEE-217-50 OM-302-86 SHT 1 OEE-217-51	1E	YELLOW	22
O	FUSE LC 2TE13	4 KV SWITCHGEAR 2TE BKR TRIP				125 DC	6.70 000000	OM-302-87 SHT 1 OEE-217-52	1E	YELLOW	22
P	FUSE FU 2TE13	4KV SMGR TRIP UNIT 13 LOAD SHEDDING				125 DC	0.22 000000	OEE-217-52 O-1751-F OEE-217-52	1E	YELLOW	22
Q	FUSE AY 2TE16	RELAY CKT 4 KV SWITCHGEAR 2TE BKR TRIP				125 DC	6.70 000000	OEE-217-52 OM-302-642 OEE-217-56	1E	YELLOW	22

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 23

NORMAL POWER SOURCE
 29CA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AX ELEV 810

ALTERNATE POWER SOURCE
 3DCB 3A

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

4KV SMGR TRIP UNIT 16

2DIB 17 2
 FDBKR
 6900V SWITCHGEAR
 2TB (CLOSE-TRIP)

A
 PNLBKR
 AR
 2TB2
 7 KV SWITCHGEAR
 2TB CLOSE-TRIP

B
 FUSE
 AZ
 2TB2
 7 KV SWITCHGEAR
 2TB BKR CLOSE-TRIP

C
 FUSE
 FU
 2TB2
 7KV SMGR CLOSE-TRIP UNIT 2

D
 FUSE
 AZ
 2TB3
 RELAY CKT
 7 KV SWITCHGEAR
 2TB BKR CLOSE-TRIP

E
 FUSE
 AZ
 2TB4
 7KV SMGR CLOSE-TRIP UNIT 3

F
 FUSE
 AZ
 2TB5
 7KV SMGR CLOSE-TRIP UNIT 4

7KV SMGR CLOSE-TRIP UNIT 5

FDBKR
 RCP VIBRATION
 SWITCHES RESET &
 AUX VENT FANS

2DIB 18 2

125 40.38
 DC 000000

0-1751-H
 OEE-217-7 TO 11A

0-1751-H
 OEE-217-8A

OM-302-54
 OEE-217-8A

0EE-217-8A

OM-302-54
 OEE-217-8A & 7

0EE-217-8A & 7

OM-302-49
 OEE-217-9 & 9A

0EE-217-9 & 9A

OM-302-50
 OEE-217-10 & 10A

0EE-217-10 & 10A

OM-302-57
 OEE-217-11

0EE-217-11

OM-1712-D
 OEE-250-10

125 0.00
 DC 000000

LIST NUMBER 08A
 PLANT CODE = QCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 24

NORMAL POWER SOURCE
 ZDCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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A	SLTB S27 2AB1		RCP VIBRATION DETECTORS RESET	125 DC	0.00 000000	0-1712-D 0EE-250-10	
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		VIBRATION DETECTOR VS1				0EE-250-10	
		VIBRATION DETECTOR VS2				0EE-250-10	
		VIBRATION DETECTOR VS3				0EE-250-10	
		VIBRATION DETECTOR VS4				0EE-250-10	

B	SLTB EE26 2AB3		R B COOLING UNIT FAN MTR VIBRATION DETECTOR	125 DC	0.00 000000	0-1713-L 0EE-238-17	
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		VIBRATION DETECTOR VS1				0EE-238-17	
		VIBRATION DETECTOR VS2				0EE-238-17	
		VIBRATION DETECTOR VS3				0EE-238-17	

C	SLTB EE32 2AB3		R B AUX VENT FANS VIBRATION DETECTOR	125 DC	0.00 000000	0-1713-L 0EE-258-17	
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		VIBRATION DETECTOR VVS1				0EE-258-17	
		VIBRATION DETECTOR VVS2				0EE-258-17	
		VIBRATION DETECTOR VVS3				0EE-258-17	
		VIBRATION DETECTOR VVS4				0EE-258-17	

ZDIB 19 2	FDBKR		CRD AC BKR TRIP	125 DC	0.00 000000	0-1782-L 0EE-239-02	
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		RELAY CKT				0EE-239-02	
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ZDIB 20 2	FDBKR		600V LOAD CENTER 2X9	125 DC	0.00 000000	0-1754-C 0EE-216-1	
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 25

NORMAL POWER SOURCE
 2DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BLDG AUX ELEV 810 COORD LOC Q-74

COMMENTS

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
A	PNLBRK RF 2X9		600V LOAD CENTER	125 DC	0.00 000000	OM-1303-14 OEE-216-1	
B	FUSE RA 2X9		RELAY 27X CKT	125 DC	0.00 000000	OM-1303-14 OEE-216-1	
C	FUSE RB 2X9		RELAY 27X1 & 27X2 CKT	125 DC	0.00 000000	OM-1303-14 OEE-216-1	
D	FUSE RC 2X9		RELAY 27X3 CKT	125 DC	0.00 000000	OM-1303-14 OEE-216-1	
E	FUSE RD 2X9		RELAY 27X4 CKT	125 DC	0.00 000000	OM-1303-14 OEE-216-1	
F	POFB 4EA 2X9		CLOSE AND TRIP CKT FOR BKR NO 4A	125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 2X9		CLOSING CKT FOR BKR NO 4A	125 DC	0.00 000000	OM-1303-14 OM-1303-12	
H	POFB 4EE 2X9		CLOSE AND TRIP CKT FOR BKR NO 4C	125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 2X9		CLOSING CKT FOR BKR NO 4C	125 DC	0.00 000000	OM-1303-14 OM-1303-12	
J	POFB 4EG 2X9		CLOSE AND TRIP CKT FOR BKR NO 4D	125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
K	FUSE 4EH 2X9		CLOSING CKT FOR BKR NO 4D	125 DC	0.00 000000	OM-1303-14 OM-1303-12	BREAKER REMOVED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 26

NORMAL POWER SOURCE
 Z0CA 5D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
L	POFB 5EA 2X9		CLOSE AND TRIP CKT FOR BKR NO 5A	125 DC	0.00 000000	OM-1303-14 OEE-216-5	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 2X9		CLOSING CKT FOR BKR NO 5A	125 DC	0.00 000000	OM-1303-14 OEE-216-5	
N	POFB 5EC 2X9		CLOSE AND TRIP CKT FOR BKR NO 5B	125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 2X9		CLOSING CKT FOR BKR NO 5B	125 DC	0.00 000000	OM-1303-14 OM-1303-12	SPARE BREAKER
P	POFB 5EE 2X9		CLOSE AND TRIP CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-1303-14 OEE-216-5	PULL OFF FUSE BLOCK SLUGGED
Q	FUSE 5EF 2X9		CLOSING CKT FOR BKR NO 5C	125 DC	0.00 000000	OM-1303-14 OEE-216-5	
R	POFB 5EG 2X9		CLOSE AND TRIP CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
S	FUSE 5EH 2X9		CLOSING CKT FOR BKR NO 5D	125 DC	0.00 000000	OM-1303-14 OM-1303-12	SPARE BREAKER
T	POFB 6EA 2X9		CLOSE AND TRIP CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-1303-14 OEE-216-5	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 2X9		CLOSING CKT FOR BKR NO 6A	125 DC	0.00 000000	OM-1303-14 OEE-216-5	
V	POFB 6EC 2X9		CLOSE AND TRIP CKT FOR BKR NO 6B	125 DC	0.00 000000	OM-1303-14 OEE-216-5	PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 3/17/80
 27

NORMAL POWER SOURCE
 20CA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 30CB 3A

COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P N/D D/P ELEM DEVICE ELEM	COMMENTS
W	FUSE 6ED 2X9	CLOSING CKT FOR BKR NO 6B		125 DC	0.00 000000	OM-1303-14 OEE-216-5	
X	POFB 6EE 2X9	CLOSE AND TRIP CKT FOR BKR NO 6C		125 DC	0.00 000000	OM-1303-14 OEE-216-5	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 2X9	CLOSING CKT FOR BKR NO 6C		125 DC	0.00 000000	OM-1303-14 OEE-216-5	
Z	POFB 6EG 2X9	CLOSE AND TRIP CKT FOR BKR NO 6D		125 DC	0.00 000000	OM-1303-14 OM-1303-12	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
I	FUSE 6EH 2X9	CLOSING CKT FOR BKR NO 6D		125 DC	0.00 000000	OM-1303-14 OM-1303-12	SPARE BREAKER

2DIB 21 2	FDBKR	STANDBY BUS 2 UNDERVOLTAGE PHASE A		125 DC	0.00 000000	OM-1753-I OEE-217-1M	
A	SLTB 2SB2AP 2EPSLP2	STANDBY BUS 2 U V PH A		125 DC	0.00 000000	OM-1753-I OEE-217-1M	

2DIB 22 2	BKR	SPARE		125 DC	0.00 000000		
2DIB 23 2	FDBKR	CNTRL ROD DRIVE PRIMARY TRIP BKR ASSY UNIT 11		125 DC	0.00 000000	OM-1782-F OEE-239-02	
2DIB 24 2	FDBKR	PRESSURE RELIEF VALVE 2RV-67		125 DC	0.00 000000	OM-1766-D OEE-250-7	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 28

NORMAL POWER SOURCE
 ZDCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 SDCB 3A

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE COORD LOC Q-74 FLA D/P M/D NOA D/P ELEM DEVICE ELEM COMMENTS

SOL VLV FOR 2RV-67 RELAY CRT

ENGINEERED SAFEGDS CHANNELS 2,4,6,8 & 8

2DIB 25 2 FORAR 0-1757-C 6.02 000000 0-1757-C 0EE-242-1
 A SLTB ESL15 2ESTC2 COMPONENT COOLIN VLV 2/55/15 125 DC 0.30 000000 0-1757-C 0EE-242-1

SOL VLV 2SV16 RELAY CKT LETDOWN ISOL VLV FS/2/51/5 125 DC 0.40 000000 0-1757-C 0EE-251-3

SOL VLV 2SV90 RELAY CKT RC PUMP SEAL RETURN ISOL VLV FS/2/51/40 125 DC 0.40 000000 0-1757-C 0EE-251-8

SOL VLV 2SV95 RELAY CFT CHEM ADD SYS VLV FS/2/63/2 125 DC 0.30 000000 0-1757-C 0EE-257-4

SOL VLV 2SV36 RELAY CKT CHEM ADD SYS VLV FS/2/63/7 125 DC 0.30 000000 0-1757-C 0EE-257-5

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 3/17/89 29

NORMAL POWER SOURCE
 ZDCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE NOA D/P W/D D/P ELEM DEVICE ELEM COMMENTS

BUS	COMPT	UNIT	TYPE	UNIT	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	PHASE	NOA	D/P	W/D	D/P	ELEM	DEVICE ELEM	COMMENTS
					SOL VLV 2SV37										0EE-257-5	
F		SLTB P6 2ESTC2			RELAY CKT		CHEM ADD SYS VLV FS/2/63/6	125	DC	0.30 000000					0EE-257-5 0-1757-C 0EE-257-6	
G		SLTB ESP5 2ESTC2			SOL VLV 2SV38		RB PURG OUTLET VLV 2/20B-21/2	125	DC	0.30 000000					0EE-257-6 0-1757-C 0EE-258-2	
H		SLTB ESL76 2ESTC2			SOL VLV 2SV31		RB PURGE OUTLET VLV 2/20B-21/3	125	DC	0.30 000000					0EE-258-2 0EE-258-2 0-1757-C 0EE-258-3	
I		SLTB ESP3 2ESTC2			SOL VLV 2SV32		RB PURGE INLET VLV 2/20B-21/4	125	DC	0.30 000000					0EE-258-3 0EE-258-3 0-1757-C 0EE-258-4	
J		SLTB ESP4 2ESTC2			SOL VLV 2SV33		RB PURGE INLET VLV 2/20B-21/5	125	DC	0.30 000000					0EE-258-4 0EE-258-4 0-1757-C 0EE-258-5	
					SOL VLV 2SV34										0EE-258-5	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 31

NORMAL POWER SOURCE
 ZDCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS FLA D/P W/D
 PHASE NOA DEVICE ELEM

COORD LOC Q-74

COMMENTS

P SLTB P4 2ESTC2 RB PENE RM SAMP & VENT SYS PRESS ALARMS
 125 DC 0.21 000000 0-1757-C 0EE-258-15

RELAY CKT

0EE-258-15

2DIB 26 2 FDBKR 6900V SWITCHGEAR 2TA (TRIP)
 125 DC 27.30 000000 0-1751-G 0EE-217-2 TO 6A

A PNLBKR AR 2TA5 7 KV SWITCHGEAR 2TA TRIP
 125 DC 27.30 000000 0-1751-G 0EE-217-6A

B FUSE AZ 2TA5 7 KV SWITCHGEAR 2TA BKR TRIP
 125 DC 7.20 000000 0M-302-52 0EE-217-6A

7KV SMGR BKR TRIP UNIT 5

0EE-217-6A

7KV SMGR 2TA BKR THROWOVER CKT

0EE-217-2

C FUSE AZ 2TA2 7 KV SWITCHGEAR 2TA BKR TRIP
 125 DC 6.70 000000 0M-302-55 0EE-217-3A

7KV SMGR BKR TRIP UNIT 2

0EE-217-3A

7 KV SWITCHGEAR 2TA BKR TRIP

0M-302-49 0EE-217-4 & 4A

7KV SMGR BKR TRIP UNIT 3

0EE-217-4 & 4A

7 KV SWITCHGEAR 2TA BKR TRIP

0M-302-50 0EE-217-5 & 5A

7KV SMGR BKR TRIP UNIT 4

0EE-217-5 & 5A

2DIB 27 2 BKR SPARE
 125 DC 0.00 000000

NORMAL POWER SOURCE
 20CA 30

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DHG NO F4059

ALTERNATE POWER SOURCE
 30CB 3A

20IB 28 2
 20IB 29 2
 20IB 30 2
 20IB 31 2
 20IB 32 2

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICES DESCRIPTION

VOLTS
 PHASE

FLA
 NGA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

UNIT INTERFACE
 CONTROLLER 20IC

SPARE

SPARE

4160V SWITCHGEAR
 BIT (11-13)(TRIP)

4 KV SWITCHGEAR
 BIT TRIP

4 KV SWITCHGEAR
 BIT BKR TRIP

4KV SMGR BKR TRIP UNIT 13

4 KV SWITCHGEAR
 BIT BKR TRIP

4KV SMGR BKR TRIP UNIT 11

4160V SWITCHGEAR
 2TD (CLOSE-TRIP)

4 KV SWITCHGEAR
 2TD CLOSE-TRIP

4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP

0-751-L
 OEE-117-12A TO 14A

0-751-L
 OEE-117-14A

CM-302-139
 OEE-117-14A

OEE-117-14A

CM-302-137
 OEE-117-12A

OEE-117-12A

OEE-117-12A

0-1751-C
 OEE-217-26 TO 39

0-1751-C
 OEE-217-26

CM-302-84
 OEE-217-26

OEE-217-26

125 1.00
 DC 000000

125 0.00
 DC 000000

125 13.40
 DC 000000

125 13.40
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125 6.70
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125 6.70
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LIST NUMBER 09A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 33

NORMAL POWER SOURCE
 ZDCA 30

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 30CB 3A

COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
C	FUSE AY 2TD2	4KV SWGR BKR CLOSE-TRIP UNIT 1	4 KV SWITCHGEAR 2TD BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-26 0M-302-85 0EE-217-27	
D	FUSE FU 2TD2	4KV SWGR BKR CLOSE-TRIP UNIT 2	LOAD SHED TRIP	125 DC	0.21 000000	0EE-217-27 0-1751-C 0EE-217-27	
E	FUSE AY 2TD3	RELAY CKT	4 KV SWITCHGEAR 2TD BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-27 0M-302-87 SHT 1 0EE-217-28	
F	FUSE AY 2TD4	4KV SWGR BKR CLOSE-TRIP UNIT 3	4 KV SWITCHGEAR 2TD BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-28 0M-302-88 0EE-217-29	
G	FUSE AY 2TD5	4KV SWGR BKR CLOSE-TRIP UNIT 4	4 KV SWITCHGEAR 2TD BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-29 0M-302-87 SHT 2 0EE-217-30	
H	FUSE AY 2TD6	4KV SWGR BKR CLOSE-TRIP UNIT 5	4 KV SWITCHGEAR 2TD BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-30 0M-302-87 SHT 2 0EE-217-31	
I	FUSE AY 2TD7	4KV SWGR BKR CLOSE-TRIP UNIT 6	4 KV SWITCHGEAR 2TD BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-31 0M-302-89 0EE-217-32	

LIST NUMBER 0JA
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 34

NORMAL POWER SOURCE
 2DCA 3D

125 VDC INSTRUMENTATION
 POWER PANEL 30AKD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3A

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE
 ELEM

VOLTS
 PHASE

FLA
 MVA

J FUSE AY 2TD8
 4KV SWGR BKR CLOSE-TRIP UNIT 7
 4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP
 125 10.00
 DC 000000
 OEE-217-32
 OM-302-87 SHT 2
 OEE-217-33

K FUSE AY 2TD9
 4KV SWGR BKR CLOSE-TRIP UNIT 8
 4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP
 125 10.00
 DC 000000
 OEE-217-33
 OM-302-86 SHT 2
 OEE-217-34

L FUSE AY 2TD10
 4KV SWGR BKR CLOSE-TRIP UNIT 9
 4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP
 125 10.00
 DC 000000
 OEE-217-34
 OM-302-86 SHT 2
 OEE-217-35

M FUSE AY 2TD11
 4KV SWGR BKR CLOSE-TRIP UNIT 10
 4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP
 125 10.00
 DC 000000
 OEE-217-35
 OM-302-86 SHT 2
 OEE-217-36

N FUSE AY 2TD12
 4KV SWGR BKR CLOSE-TRIP UNIT 11
 4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP
 125 10.00
 DC 000000
 OEE-217-36
 OM-302-86 SHT 1
 OEE-217-37

O FUSE AY 2TD13
 4KV SWGR BKR CLOSE-TRIP UNIT 12
 4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP
 125 10.00
 DC 000000
 OEE-217-37
 OM-302-86 SHT 1
 OEE-217-38

P FUSE AY 2TD14
 4KV SWGR BKR CLOSE-TRIP UNIT 13
 4 KV SWITCHGEAR
 2TD BKR CLOSE-TRIP
 125 10.00
 DC 000000
 OEE-217-38
 OM-302-90
 OEE-217-39

LIST NUMBER 78A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 35

ALTERNATE POWER SOURCE
 30CB 3A

2DIB
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
Q	FUSE AY 2TD15	4KV SWGR BKR CLOSE-TRIP UNIT 14	4 KV SWITCHGEAR 2TD BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-39 0M-302-599 0EE-217-54	
	FDPKR	4KV SWGR BKR CLOSE-TRIP UNIT 15	9.3 KVA STATIC INVERTER 2DIB	125 DC	0.00 000000	0EE-217-54 0-1705	

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

D U K E P O W E R C O M P A N Y
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

SAFETY CLASS 1E
SAFETY COLOR BLUE
PAGE 36

NORMAL POWER SOURCE
2DCB 3C

125 VDC INSTRUMENTATION
POWER PANELBOARD
ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
3DCA 3B

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA D/P M/D D/P ELEM COMMENTS
D/P LOC D/P LOC

2DIC 01 BKR SPARE 125 0.00
2 2 DC 000000

2DIC 02 BKR SPARE 125 0.00
2 2 DC 000000

2DIC 03 FDBKR LOAD SHED COMPLETE 125 0.00
2 2 RELAYS OEE-217-1Z
RELAY CKT OEE-217-1Z1

2DIC 04 BKR SPARE 125 0.00
2 2 DC 000000

2DIC 05 FDBKR UNIT 2 BACKUP 125 0.00
2 2 RELAYING (2EB4) DC 000000
OEE-211-2

A FUSE UNIT 2 BACK-UP 125 0.00
FU RELAYING DC 000000
2EB4 OEE-211-2

RELAY CKT OEE-211-2

2DIC 06 BKR SPARE 125 0.00
2 2 DC 000000

2DIC 07 FDBKR NORMAL UNDERVOLT- 125 0.63
2 2 AGE TRANSFER OEE-217-1D
CHANNEL C DC 000000

A SLTB NORMAL UV TRANSFER 125 0.63
2NCP CH C DC 000000
2EPSLPI OEE-217-1D

RELAY CKT OEE-217-1D

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 37

NORMAL POWER SOURCE
 ZDCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 3DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/O D/P ELEM DEVICE ELEM	COMMENTS
2DIC 08 2	FDBKR		STARTUP UNDERVOLT- AGE TRANSFER CHANNEL C	125 DC	0.00 000000	0-1753-E 0EE-217-1G	
A	SLTB 2ECP 2EPSLPI		STARTUP UV TRANSFER CH C	125 DC	0.84 000000	0-1753-E 0EE-217-1G	
RELAY CKT							
2DIC 09 2	FDBKR		MAIN FEEDER BUS MONITOR RELAY PANEL 2MFBMRP	125 DC	0.00 000000	0-1777 0EE-217-1T	
RELAY CKT							
2DIC 10 2	FDBKR		EFDWP DISCH TO STM GEN 2B VLV FDM316	125 DC	1.00 000000	0-1751-F 0EE-245-67	
A	SLTB P201 2TE15		EFDWP DISCH TO STM GEN 2B VLV FDM316	125 DC	0.00 000000	0-1751-F 0EE-245-67	
S0L VLV 2SV201							
S0L VLV 2SV205							
2DIC 11 2	FDBKR		STANDBY BUS 1 UNDERVOLTAGE PHASE C	125 DC	0.53 000000	0-1753-I 0EE-217-1L	
A	SLTB 2SBICP 2EPSLP2		STANDBY BUS 1 UV PH C	125 DC	0.53 000000	0-1753-I 0EE-217-1L	
RELAY CKT							
2DIC 12 2	BKR		SPARE	125 DC	0.00 000000	0EE-217-1L	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3DCA 3B

3/17/89
 PAGE 38

NORMAL POWER SOURCE
 2DCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 810

COORD LOC Q-74

ALTERNATE POWER SOURCE
 3DCA 3B

COMMENTS

BUS COMPT UNIT TYPE UNIT LOAD TITLE DEVICE DESCRIPTION VOLTS FLA D/P W/D D/P W/D
 DIST PT BRANCH TITLE PHASE NOA ELEM DEVICE ELEM
 D/P LOC

SPARE

125 0.00
 DC 000000

STANDBY BUS 2
 UNDERVOLTAGE
 PHASE B

125 0.53
 DC 000000

0-1753-J
 OEE-217-1N

STANDBY BUS 2 UV
 PH B

125 0.53
 DC 000000

0-1753-J
 OEE-217-1N

RELAY CKT

OEE-217-1N

CRD DC BREAKER
 TRIP CIRCUIT CH C

125 0.00
 DC 000000

0-1782-L
 OEE-239-03

RELAY CKT

OEE-239-03

600V LOAD CENTER
 2X2

125 0.00
 DC 000000

0-1754-A
 OEE-216-2

600 V LOAD CENTER
 2X2

125 0.00
 DC 000000

OM-1303-13
 OEE-216-2

RELAY 27X CKT

125 0.00
 DC 000000

OM-1303-13
 OEE-216-2

RELAY 27X1 & 27X2
 CKT

125 0.00
 DC 000000

OM-1303-13
 OEE-216-2

RELAY 27X3 CKT

125 0.00
 DC 000000

OM-1303-13
 OEE-216-2

RELAY 27X4 & 27X5
 CKT

125 0.00
 DC 000000

OM-1303-13
 OEE-216-2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 38

NORMAL POWER SOURCE
 ZDCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-74

COMMENTS

VOLTS FLA D/P M/D
 PHASE NOA D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

RUC
 COMPT
 UNIT

BKR
 125 0.00
 DC 000000

SPARE

125 0.53
 DC 000000

STANDBY BUS 2
 UNDERVOLTAGE
 PHASE B

2DIC
 14
 2

125 0.53
 DC 000000

STANDBY BUS 2 UV
 PH B

A
 SLTB
 2SB2BP
 2EPSLP2

RELAY CKT

125 0.00
 DC 000000

CRD DC BREAKER
 TRIP CIRCUIT CH C

2DIC
 15
 2

125 0.00
 DC 000000

600V LOAD CENTER
 2X2

2DIC
 16
 2

125 0.00
 DC 000000

600 V LOAD CENTER
 2X2

A
 PNLBKR
 LF
 2X2

125 0.00
 DC 000000

RELAY 27X CKT

B
 FUSE
 LA
 2X2

125 0.00
 DC 000000

RELAY 27X1 & 27X2
 CKT

C
 FUSE
 LB
 2X2

125 0.00
 DC 000000

RELAY 27X3 CKT

D
 FUSE
 LC
 2X2

125 0.00
 DC 000000

RELAY 27X4 & 27X5
 CKT

E
 FUSE
 LD
 2X2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 PAGE 40
 3/17/89

NORMAL POWER SOURCE
 ZDCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 3DCA 3B

COORD LOC Q-74

BUS CMT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
Q	FUSE 5EF 2X2		CLOSING CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	SPARE BREAKER
R	POFB 5EG 2X2		CLOSE AND TRIP CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
S	FUSE 5EH 2X2		CLOSING CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
T	POFB 6EA 2X2		CLOSE AND TRIP CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 2X2		CLOSING CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	
V	POFB 6EC 2X2		CLOSE AND TRIP CKT FOR BKR 6B	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 2X2		CLOSING CKT FOR BKR 6B	125 DC	0.00 000000	OM-1303-13 OEE-216-4	
X	POFB 6EE 2X2		CLOSE AND TRIP CKT FOR BKR 6C	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 2X2		CLOSING CKT FOR BKR 6C	125 DC	0.00 000000	OM-1303-13 OEE-216-4	
Z	POFB 6EG 2X2		CLOSE AND TRIP CKT FOR BKR 6D	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
I	FUSE 6EH 2X2		CLOSING CKT FOR BKR 6D	125 DC	0.00 000000	OM-1303-13 OEE-216-4	SPARE BREAKER

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 39

NORMAL POWER SOURCE
 2DCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D U/P ELEM DEVICE ELEM	COMMENTS
F	POFB 4EA 2X2		CLOSE AND TRIP CKT FOR BKR 4A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 2X2		CLOSING CKT FOR BKR 4A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
H	POFB 4EF 2X2		CLOSE AND TRIP CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 2X2		CLOSING CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13	
J	POFB 4EG 2X2		CLOSE AND TRIP CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 2X2		CLOSING CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
L	POFB 5EA 2X2		CLOSE AND TRIP CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 2X2		CLOSING CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13	
N	POFB 5EC 2X2		CLOSE AND TRIP CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
O	FUSE 5ED 2X2		CLOSING CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
P	POFB 5EE 2X2		CLOSE AND TRIP CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 41

ALTERNATE POWER SOURCE
 3DCA 3B

NORMAL POWER SOURCE
 ZDCB 3C
 2DIC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC 9-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS
 PHASE

FLA
 NOA

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

BUS COMPT UNIT	FDBKR	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2DIC 17 2			600V LOAD CENTER 2X4		125 DC	0.00 000000	O-1754-B OEE-216-2	
A		PNLBKR LF 2X4	600 V LOAD CENTER 2X4		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
B		FUSE LA 2X4	RELAY 27X CKT		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
C		FUSE LB 2X4	RELAY 27X1 & 27X2 CKT		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
D		FUSE LC 2X4	RELAY 27X3 CKT		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
E		FUSE LD 2X4	RELAY 27X4 & 27X5 CKT		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
F		POFB 4EA 2X4	CLOSE AND TRIP CKT FOR BKR 4A		125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
G		FUSE 4EB 2X4	CLOSING CKT FOR BKR 4A		125 DC	0.00 000000	OM-1303-13 OEE-216-3	
H		POFB 4EE 2X4	CLOSE AND TRIP CKT FOR BKR 4C		125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
I		FUSE 4EH 2X4	CLOSING CKT FOR BKR 4D		125 DC	0.00 000000	OM-1303-13 OEE-216-4	
J		POFB 4EG 2X4	CLOSE AND TRIP CKT FOR BKR 4D		125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR BLUE PAGE 3/17/89 43

NORMAL POWER SOURCE
 ZDCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
V	POFB 6EC 2X4	CLOSE AND TRIP CKT FOR BKR 6B		125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 6ED 2X4	CLOSING CKT FOR BKR 6B		125 DC	0.00 000000	OM-1303-13 OEE-216-4	
X	POFB 6EE 2X4	CLOSE AND TRIP CKT FOR BKR 6C		125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 2X4	CLOSING CKT FOR BKR 6C		125 DC	0.00 000000	OM-1303-13 OEE-216-4	
Z	POFB 6EG 2X4	CLOSE AND TRIP CKT FOR BKR 6D		125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
I	FUSE 6EH 2X4	CLOSING CKT FOR BKR 6D		125 DC	0.00 000000	OM-1303-13 OEE-216-4	BREAKER REMOVED

2DIC 18 2	FDBKR	600V LOAD CENTER 2X6		125 DC	0.00 000000	OM-1754-B OEE-216-2	
A	PNLBKR LF 2X6	600 V LOAD CENTER 2X6		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
B	FUSE LA 2X6	RELAY 27X CKT		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
C	FUSE LB 2X6	RELAYS 27X1 & 27X2 CKT		125 DC	0.00 000000	OM-1303-13 OEE-216-2	
D	FUSE LC 2X6	RELAY 27X3 CKT		125 DC	0.00 000000	OM-1303-13 OEE-216-2	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2DIC
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810 COORD LOC Q-74

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE 3DCA 3B
 3/17/89
 PAGE 44

NORMAL POWER SOURCE
 ZDCB 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	O/P W/D D/P ELEM DEVICE ELEM	COMMENTS
E	FUSE LD 2X6		RELAYS 27X4 & 27X5 CKT	125 DC	0.00 000000	OM-1303-13 OEE-216-2	
F	POFB 4EA 2X6		CLOSE AND TRIP CKT FOR BKR 4A	DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 2X6		CLOSING CKT FOR BKR 4A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
H	POFB 4EE 2X6		CLOSE AND TRIP CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 2X6		CLOSING CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
J	POFB 4EG 2X6		CLOSE AND TRIP CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 2X6		CLOSING CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
L	POFB 5EA 2X6		CLOSE AND TRIP CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 2X6		CLOSING CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
N	POFB 5EC 2X6		CLOSE AND TRIP CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 2X6		CLOSING CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	SPARE BREAKER

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 45

NORMAL POWER SOURCE
 ZDCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 3DCA 3B

R/S COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
P	POFB 5EE 2X6		CLOSE AND TRIP CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
Q	FUSE 5EF 2X6		CLOSING CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	SPARE BREAKER
R	POFB 5EG 2X6		CLOSE AND TRIP CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
S	FUSE 5EH 2X6		CLOSING CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	BREAKER REMOVED
T	POFB 6EA 2X6		CLOSE AND TRIP CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 2X6		CLOSING CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	
V	POFB 6EC 2X6		CLOSE AND TRIP CKT FOR BKR 6B	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 2X6		CLOSING CKT FOR BKR 6B	125 DC	0.00 000000	OM-1303-13 OEE-216-4	
X	POFB 6EE 2X6		CLOSE AND TRIP CKT FOR BKR 6C	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
Y	FUSE 6EF 2X6		CLOSING CKT FOR BKR 6C	125 DC	0.00 000000	OM-1303-13 OEE-216-4	
Z	POFB 6EG 2X6		CLOSE AND TRIP CKT FOR BKR 6D	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 46

NORMAL POWER SOURCE
 2DCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 50CA 3B

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
1	FUSE 6EH 2X6		CLOSING CKT FOR BKR 6D	125 DC	0.00 000000	OM-1303-13 OEE-216-4	SPARE BREAKER
2D1C 19 2	FDBKR		REACTOR COOLANT PUMPS SEAL INJEC- TION INTERLOCKS	125 DC	0.26 000000	0-1766-D OEE-251-27	
RELAY CKT							
2D1C 20 2	BKR		SPARE	125 DC	0.00 000000		
2D1C 21 2	FDBKR		STANDBY BUS 1 UNDERVOLTAGE ALARM	125 DC	0.12 000000	0-1766-E OEE-217-1Q	
2D1C 22 2	FDBKR		EMERGENCY ESCAPE HATCH LIGHTING	125 DC	0.00 000000	0-1769-R OEE-231-9	
2D1C 23 2	FDBKR		UNIT 2 ALTERREX	125 DC	0.00 000000	0-1773-B OEE-210-2	
2D1C 24 2	BKR		SPARE	125 DC	0.00 000000		
2D1C 25 2	BKR		SPARE	125 DC	0.00 000000		
2D1C 26 2	FDBKR		4160V SWITCHGEAR B2T (1-4) (CLOSE-TRIP)	125 DC	0.00 000000	0-751-M OEE-117-15A TO 18A	
A	PNLBKR RE B2T4		4 KV SWITCHGEAR B2T CLOSE-TRIP	125 DC	30.00 000000	0-751-M OEE-117-18A	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR BLUE
 3/17/89 PAGE 47

NORMAL POWER SOURCE
 2DCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
B	FUSE AM B2T4		4 KV SWITCHGEAR B2T BKR CLOSE-TRIP	125 DC	10.00 000000	CM-302-143 OEE-117-18A	
C	FUSE AM B2T1		4KV SMGR CLOSE-TRIP UNIT 4 4 KV SWITCHGEAR B2T BKR CLOSE-TRIP	125 DC	10.00 000000	OEE-117-18A CM-302-140 OEE-117-15A & 15B	
D	FUSE LF B2T2		4KV SMGR CLOSE-TRIP UNIT 1 BUS 2 UNIT 2 BACK- UP RELAY AND L O RELAY CKT	125 DC	0.00 000000	OEE-117-15A & 15B CM-302-141 OEE-117-15A & 17A	
E	FUSE AM B2T3		4 KV SWITCHGEAR B2T BKR CLOSE-TRIP	125 DC	10.00 000000	CM-302-142 OEE-117-17A	

2DIC 27 2	BKR		4KV SMGR CLOSE-TRIP UNIT 3 SPARE	125 DC	0.00 000000	OEE-117-17A	

2DIC 28 2	FDBKR		4160V SWITCHGEAR 2TE (CLOSE-TRIP)	125 DC	0.00 000000	O-1751-E OEE-217-40	
A	PNLBKR AM 2TE1		4 KV SWITCHGEAR 2TE CLOSE-TRIP	125 DC	0.00 000000	O-1751-F OEE-217-40	
B	FUSE AY 2TE1		4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	CM-302-84 OEE-217-40	
C	FUSE AY 2TE2		4KV SMGR CLOSE-TRIP UNIT 1 4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	OEE-217-40 CM-302-85 OEE-217-41	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 48

ALTERNATE POWER SOURCE
 3DCA 3B

NORMAL POWER SOURCE
 2DCB 3C
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 810

COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
E	FUSE AY 2TE2	4KV SMGR CLOSE-TRIP UNIT 2 LOAD SHED	125 DC	0.21 000000	0EE-217-41 0-1751-E 0EE-217-41	
F	FUSE AY 2TE3	RELAY CKT 4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-41 0M-302-87 SHT 1 0EE-217-42	
G	FUSE AY 2TE4	4KV SMGR CLOSE-TRIP UNIT 3 4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-42 0M-302-88 0EE-217-43	
H	FUSE AY 2TE5	4KV SMGR CLOSE-TRIP UNIT 4 4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-43 0M-302-87 SHT 2 0EE-217-44	
I	FUSE AY 2TE6	4KV SMGR CLOSE-TRIP UNIT 5 4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-44 0M-302-87 SHT 2 0EE-217-45	
J	FUSE AY 2TE7	4KV SMGR CLOSE-TRIP UNIT 6 4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-45 0M-302-89 0EE-217-46	
K	FUSE AY 2TE8	4KV SMGR CLOSE-TRIP UNIT 7 4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	125 DC	10.00 000000	0EE-217-46 0M-302-87 SHT 2 0EE-217-47	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 49

NORMAL POWER SOURCE
 2DCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCA 3B

BLDG AUX ELEV 810 COORD LOC Q-74

COMMENTS

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA D/P W/D D/P ELEM D/P ELEM

L	FUSE AY 2TE9	4KV SMGR CLOSE-TRIP UNIT 8	4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	DC	125	10.00	000000	0EE-217-47	0M-302-86 SHT 2 0EE-217-48
M	FUSE AY 2TE10	4KV SMGR CLOSE-TRIP UNIT 9	4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	DC	125	10.00	000000	0EE-217-68	0M-302-86 SHT 2 0EE-217-49
N	FUSE AY 2TE11	4KV SMGR CLOSE-TRIP UNIT 10	4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	DC	125	10.00	000000	0EE-217-49	0M-302-86 SHT 1 0EE-217-50
O	FUSE AY 2TE12	4KV SMGR CLOSE-TRIP UNIT 11	4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	DC	125	10.00	000000	0EE-217-50	0M-302-86 SHT 1 0EE-217-51
P	FUSE AY 2TE13	4KV SMGR CLOSE-TRIP UNIT 12	4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	DC	125	10.00	000000	0EE-217-51	0M-302-87 SHT 1 0EE-217-52
Q	FUSE AY 2TE14	4KV SMGR CLOSE-TRIP UNIT 13	4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	DC	125	10.00	000000	0EE-217-52	0M-302-90 0EE-217-53
R	FUSE AY 2TE15	4KV SMGR CLOSE-TRIP UNIT 14	4 KV SWITCHGEAR 2TE BKR CLOSE-TRIP	DC	125	10.00	000000	0EE-217-53	0M-302-599 0EE-217-55

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D J K E P J M E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3DCA 3B

ALTERNATE POWER SOURCE

3/17/89
 PAGE 50

NORMAL POWER SOURCE
 2DCB 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 810

COORD LOC Q-74

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NCA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

BUS
 COMPT
 UNIT

4KV SMGR CLOSE-TRIP UNIT 15

MDFMP MOTOR 2B
 COOLING WATER VLV

FUSE
 FUSE
 2TE15

S

SOL VLV 2SV203

4 KV SWITCHGEAR
 2TE BKR CLOSE-TRIP

FUSE
 AY
 2TE16

T

4KV SMGR CLOSE-TRIP UNIT 16

9.3 KVA STATIC
 INVERTER 2DIC

FDBKR

2DIC
 33
 2

0EE-217-55

0-1751-F
 0EE-217-55

125 0.50
 DC 000000

0EE-217-55

OM-302-642
 0EE-217-55

125 10.00
 DC 000000

0EE-217-56

0-1705

125 0.00
 DC 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 51

NORMAL POWER SOURCE
 2DIC 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 811

ALTERNATE POWER SOURCE
 2KRA 05

COORD LOC 0-74

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2KVIC 01 2	FDBKR		NUCLEAR INSTRUMEN- TATION REACTOR PRO TECTION SYSTEM 2C	120	0.00	0-1781-B	
2KVIC 02 2	FDBKR		ENGINEERED SAFEGDS INSTRUMENTATION SYSTEM NO. 2C	120	0.00	0-1757-K	
2KVIC 03 2	FDBKR		TURBINE STOP VALVE TEST SOLENOIDS	120	2.00	0-1772-E 0EE-221-45	
		S01 VLV 20-SV1T				0EE-221-45	
		S01 VLV 20-SV2T				0EE-221-45	
		S01 VLV 20-SV3T				0EE-221-45	
		S01 VLV 20-SV4T				0EE-221-45	
2KVIC 04 2	FDBKR		REACTOR COOLANT PUMP C POWER MONITOR	120	1.00	0-1719	
2KVIC 05 2	FDBKR		EMERGENCY RADIO RECEPTACLES	120	0.00	0-846-G	
2KVIC 06 2	FDBKR		INCORE REFUELING RECEPTACLE 2A	120	0.00	0-1767-A21	
2KVIC 07 2	FDBKR		MANUAL LOADER 2HPIML0064	120	0.00	0-1766-E 0EE-251-45	
2KVIC 08 2	FDBKR		STEAM GENERATOR EMERGENCY FEEDMTR FLOW	120	0.00	0-1779-A	
		FLOW XMTR 2FI153 CURRENT LOOP				0-1779-A	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 52

NORMAL POWER SOURCE
 2DIC 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DHG NO F4059

ALTERNATE POWER SOURCE
 ZKRA 05

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NQA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
FLOW XMTR 2FT154 CURRENT LOOP							
2KVIC 09 2	FDBKR		RCP SAMPLE ISOL VLV 2RC163	120 1	0.00 000000	Ø-1711-H ØEE-262-6	
FLOW XMTR 2FT159 CURRENT LOOP							
2KVIC 10 2	FDBKR		STM GEN LVL CNTRL CAB	120 1	0.00 000000	Ø-1778	
FLOW XMTR 2FT160 CURRENT LOOP							
2KVIC 11 2	FDBKR		ISOLATING TRANSFER DIODE 2ADC	120 1	0.00 000000	Ø-1759-F	
FLOW XMTR 2FT160 CURRENT LOOP							
2KVIC 12 2	FDBKR		CRD PRIMARY TRIP BREAKER ASSY UNIT NO. 11	120 1	0.00 000000	Ø-1782-L	
FLOW XMTR 2FT159 CURRENT LOOP							
2KVIC 13 2	FDBKR		HP INJ CROSSOVER FLOW TRANSMITTER	120 1	0.00 000000	Ø-1766-E ØEE-251-31A ØEE-251-31A	
SPARE							
2KVIC 14 2	BKR			120 1	0.00 000000		
SPARE							
2KVIC 15 2	BKR			120 1	0.00 000000		
SPARE							
2KVIC 16 2	BKR			120 1	0.00 000000		
SPARE							
2KVIC 17 2	BKR			120 1	0.00 000000		
SPARE							

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 3/17/89
 PAGE 53

NORMAL POWER SOURCE
 2DIC 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2A1A 05

BLDG AUX ELEV 811 COORD LOC Q-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2KVIC 16 2	BKR		SPARE				
2KVIC 19 2	BKR		SPARE				

1 120 0.00

1 120 0.00

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRANG. PAGE
 2KRA 06 3/17/89 54

NORMAL POWER SOURCE
 ZDID 53

2KVID
 120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 812+4

ALTERNATE POWER SOURCE
 2KRA 06

BUS CIRCUIT L-IT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
2KVID 01 2	FDBKR		NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM 2D	120 3	0.00 000000	0-1781-C	
2KVID 02 2	FDBKR		REACTOR COOLANT PUMP B POWER MONITOR	120 3	1.00 000000	0-1719	
2KVID 03 2	FDBKR		CCM VACUUM PRIMING SYSTEM 2MTC1	120 1	0.00 000000	0-1766-B 0EE-236-13	
			WATER LVL CNTRL CKT			0EE-236-13 & 14	
			WATER LVL LATCHING CNTRLS			0EE-236-15	
			PHP DISCH VLV'S SHUT DOWN CNTRLS			0EE-236-16	
		S01 VLV 2SV45				0EE-236-17	
		S01 VLV 2SV46				0EE-236-17	
		S01 VLV 2SV47				0EE-236-17	
		S01 VLV 2SV48				0EE-236-17	
		S01 VLV 2SV49				0EE-236-17	
		S01 VLV 2SV50				0EE-236-17	
		S01 VLV 2SV39				0EE-236-17A	
		S01 VLV 2SV40				0EE-236-17A	
		S01 VLV 2SV41				0EE-236-17A	
		S01 VLV 2SV42				0EE-236-17B	
		S01 VLV 2SV43				0EE-236-17B	
		S01 VLV 2SV44				0EE-236-17B	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 55
 DATE 3/17/89

NORMAL POWER SOURCE
 201D 35

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2KRA 06

BLDG AUX ELEV 812+4 COORD LOC R-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVI DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
		SOL VLV 2SV137				0EE-236-19	
		SOL VLV 2SV138				0EE-236-19	
		RATOALARM FI/2/1				0EE-236-19	
		RATOALARM FI/2/2				0EE-236-19	
		RATOALARM FI/2/5				0EE-236-19	
		RATOALARM FI/2/6				0EE-236-19	
		RATOALARM FI/2/3				0EE-236-20	
		RATOALARM FI/2/4				0EE-236-20	
		RATOALARM FI/2/7				0EE-236-20	
		RATOALARM FI/2/8				0EE-236-20	
		MISC CNTRL CKT				0EE-236-24	
		SOL VLV 2SV51				0EE-236-24	
		SOL VLV 2SV52				0EE-236-24	
		SOL VLV 2SV53				0EE-236-24	
2KVID 04 3	FDBKR	CCM VAC PRI SYS (TEMPORARY)		120	0.00	0-2766-E	
				1	000000		
2KVID 05 2	FDBKR	INCORE REFUELING RECEPTACLE 2B		120	0.00	0-1767-A20	
				1	000000		
2KVID 06 2	FDBKR	REACTOR COOLANT PUMP AUXILIARY CABINET 2RCPCI		120	0.00	0-1720-A 0EE-250-9	
		RELAY CKT		1	000000	0EE-250-9 & 13	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE PAGE 3/17/89
 56

NORMAL POWER SOURCE
 2DID 33

2KVID
 120 VAC VITAL INSTR
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 2KRA 06

ONE-LINE DNG NO F4059
 BLDG AUX ELEV 81246 COORD LOC R-74

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS PHASE FLA NGA D/P M/D D/P ELEM DEVICE ELEM COMMENTS

0 SPEED SWITCH OS1
 0 SPEED SWITCH OS2
 0 SPEED SWITCH OS3
 0 SPEED SWITCH OS4
 0 SPEED SWITCH OS5
 0 SPEED SWITCH OS6

0EE-250-9
 0EE-250-9
 0EE-250-9
 0EE-250-9
 0EE-250-9
 0EE-250-9

2KVID 07 2

REACTOR COOLANT
 PUMP AUXILIARY
 CABINET 2RCPC2

1 120 0.00 000000

0-1720-A
 0EE-250-10

RELAY CKT

0 SPEED SWITCH OS7
 0 SPEED SWITCH OS8
 0 SPEED SWITCH OS9
 0 SPEED SWITCH OS10
 0 SPEED SWITCH OS11
 0 SPEED SWITCH OS12

0EE-250-10 & 13
 0EE-250-10
 0EE-250-10
 0EE-250-10
 0EE-250-10
 0EE-250-10
 0EE-250-10

2KVID 08 2

EMERGENCY FEEDMTR
 PUMP STEAM
 ADMISSION VALVE

1 120 0.15 000000

0-1711-C
 0EE-247-2

SOL VLV 2SV74

0EE-247-2

RELAY CKT

0EE-247-2

2KVID 09 2

SPARE

1 120 0.00 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COL'OR ORANGE PAGE 3/17/89 57

NORMAL POWER SOURCE
 2DID 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 B'DG AUX ELEV 812+4 COORD LOC R-74

ALTERNATE POWER SOURCE
 2KRA 06

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS FLA NOA	D/P M/D D/P FLEM DEVICE ELEM	DEVICE DESCRIPTION	SPARE	COMMENTS
2KVID 10 2	EKR		120 0.00 000000			1	
2KVID 11 2	BKR		120 0.00 000000			1	
2KVID 12 2	FDBKR	ISOLATING TRANSFER DIODE 2ADD	120 0.00 000000			1	0-1759-F
2KVID 13 2	BKR		120 0.00 000000			1	
2KVID 14 2	FDBKR	CONTROL ROD DRIVE CABINET SL-3	120 0.00 000000			1	0-1782-A
2KVID 15 2	BKR		120 0.00 000000			1	
2KVID 16 2	BKR		120 0.00 000000			1	
2KVID 17 2	BKR		120 0.00 000000			1	
2KVID 18 2	BKR		120 0.00 000000			1	
2KVID 19 2	BKR		120 0.00 000000			1	

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

D U K E P O W E R C O M P A N Y
OCCNEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

2DID	125 VDC INSTRUMENTATION POWER PANELBOARD
2KI	120 VAC 1-PH ICS POWER PA NELBOARD
2KRA	240/120 VAC 1PH REGULATED POWER PANELBOARD
2KRB	240/120 VAC-1PH REGULATED POWER PANELBOARD
2KU	240/120 VAC-1PH COMPUTER POWER PANELBOARD

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE PAGE 3/17/89 1

NORMAL POWER SOURCE
 ZDCB 3D

2DID
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3B

BLDG AUX ELEV 810 COORD LOC R-74
 VOLTS FLA D/P W/D
 PHASE NOA D/P ELEM
 DEVICE DESCRIPTION DEVICE ELEM

BUS
 UNIT TYPE UNIT
 DIST PT LOAD TITLE
 D/P LOC BRANCH TITLE

2DID 01 BKR SPARE
 2 125 0.00
 DC 000000

2DID 02 BKR SPARE
 2 125 0.00
 DC 000000

2DID 03 FDBKR TEST RECEPTACLE
 2 ELECTRICAL MAINTEN
 -ANCE 515 125 0.00
 DC 000000 0-846-S

2DID 04 FDBKR CRD DC BKR TRIP
 2 CH D 125 0.00
 DC 000000 0-1782-L
 0EE-239-04

2DID 05 FDBKR REACTOR COOLANT
 2 PUMP STARTUP
 INTERLOCKS 125 0.28
 DC 000090 0-1766-D
 0EE-250-11

A SLTB RCP START UP
 2DIDSP INTERLOCKS 125 0.28
 2MTC3 DC 000000 0-1766-D
 0EE-250-11

RCP INTERLOCK RELAY CKT 0EE-250-11
 LP SERVICE WATER RELAY CKT 0EE-236-26

2DID 06 BKR SPARE
 2 125 0.00
 DC 000000

2DID 07 BKR SPARE
 2 125 0.00
 DC 000000

2DID 08 BKR SPARE
 2 125 0.00
 DC 000000

2DID 09 FDBKR MAIN FEEDER BUS
 2 MONITOR U V LOGIC CH 2 125 6.21
 DC 000000 0-1777
 0EE-217-1T

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY CGLOR ORANGE PAGE 3/17/89 2

NORMAL POWER SOURCE
 2DCB 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 3DCB 3B

COORD LOC R-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
A	SLTB 2M2DP 2MFBHRP	MAIN FEEDER BUS MONITOR U V LOGIC CH 2		125 0.21 DC 000000	0-1777 0EE-217-1T	

			RELAY CKT		0EE-217-1T	

2DID 10 2	BKR	SPARE		125 0.00 DC 000000		

2DID 11 2	BKR	SPARE		125 0.00 DC 000000		

2DID 12 2	BKR	SPARE		125 0.00 DC 000000		

2DID 13 2	FDBKR	600V LOAD CENTER 2X1		125 0.00 DC 000000	0-1754-A 0EE-216-2	
A	PNLBKR LF 2X1	600 V LOAD CENTER 2X1		125 0.00 DC 000000	0M-1303-13 0EE-216-2	
B	FUSE LA 2X1	RELAY 27X CKT		125 0.00 DC 000000	0M-1303-13 0EE-216-2	
C	FUSE LB 2X1	RELAY 27X1 & 27X2 CKT		125 0.00 DC 000000	0M-1303-13 0EE-216-2	
D	FUSE LC 2X1	RELAY 27X3 CKT		125 0.00 DC 000000	0M-1303-13 0EE-216-2	
E	FUSE LD 2X1	RELAYS 27X4 & 27X5 CKT		125 0.00 DC 000000	0M-1303-13 0EE-216-2	

LIST NUMBER 08A
 PLANT CODE = OCH
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE
 PAGE 3/17/89 3

NORMAL POWER SOURCE 2DCB 3D
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 810
 COORD LOC R-74

ALTERNATE POWER SOURCE
 3DCB 5B

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
F	POFB 4EA 2X1		CLOSE AND TRIP CKT FOR BKR 4A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
G	FJSE 4EB 2X1		CLOSING CKT FOR BKR 4A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
H	POFB 4EE 2X1		CLOSE AND TRIP CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 2X1		CLOSING CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
J	POFB 4EG 2X1		CLOSE AND TRIP CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 2X1		CLOSING CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
L	POFB 5EA 2X1		CLOSE AND TRIP CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
M	FUSE 5EB 2X1		CLOSING CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	BREAKER REMOVED
N	POFB 5EC 2X1		CLOSE AND TRIP CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
O	FUSE 5ED 2X1		CLOSING CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
P	POFB 5EE 2X1		CLOSE AND TRIP CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89 4

NORMAL POWER SOURCE
 2DCB 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 3DCB 3B

ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810

COORD LOC R-74

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
Q	FUSE 5EF 2X1		CLOSING CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	SPARE BREAKER
R	POFB 5EG 2X1		CLOSE AND TRIP CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
S	FUSE 5EH 2X1		CLOSING CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	BREAKER REMOVED
T	POFB 6EA 2X1		CLOSE AND TRIP CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 2X1		CLOSING CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
V	POFB 6EC 2X1		CLOSE AND TRIP CKT FOR BKR 6B	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
W	FUSE 6ED 2X1		CLOSING CKT FOR BKR 6B	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
X	POFB 6EE 2X1		CLOSE AND TRIP CKT FOR BKR 6C	125 DC	0.00 000000	OM-1303-13 OEE-216-4	SPARE BREAKER
Y	FUSE 6EF 2X1		CLOSING CKT FOR BKR 6C	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED SPARE BKR
Z	POFB 6EG 2X1		CLOSE AND TRIP CKT FOR BKR 6D	125 DC	0.00 000000	OM-1303-13 OEE-216-4	SPARE BREAKER
1	FUSE 6EH 2X1		CLOSING CKT FOR BKR 6D	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE
 3/17/89
 PAGE 5

NORMAL POWER SOURCE
 2DCB 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMS NO F4059
 BLDG AUX ELEV 810

ALTERNATE POWER SOURCE
 3DCB 3B

COORD LOC R-74

COMMENTS

VOLTS FLA D/P M/D
 PHASE NGA B/P ELEM
 DEVICE ELEM

BUS COMPT UNIT
 TYPE UNIT LOAD TITLE
 DIST PT BRANCH TITLE
 D/P LOC DEVICE DESCRIPTION

BUS	COMPT	UNIT	TYPE	UNIT	LOAD	TITLE	BRANCH	TITLE	DEVICE	DESCRIPTION	VOLTS	FLA	D/P	M/D	COMMENTS
			DIST	PT	D/P	LOC									
2DID	14	2	FDBKR						600V	LOAD CENTER	125	0.00	0-1754-A		
									DC		000000		OEE-216-2		
A			PNLRKR						600 V	LOAD CENTER	125	0.00	OM-1303-13		
			LF						DC		000000		OEE-216-2		
B			FUSE						125	RELAY 27X CKT	0.00	0.00	OM-1303-13		
			LA						DC		000000		OEE-216-2		
C			FUSE						125	RELAY 27X1 & 27X2	0.00	0.00	OM-1303-13		
			LB						DC		000000		OEE-216-2		
D			FUSE						125	RELAY 27X3 CKT	0.00	0.00	OM-1303-13		
			LC						DC		000000		OEE-216-2		
E			FUSE						125	RELAY 27X4 & 27X5	0.00	0.00	OM-1303-13		
			LD						DC		000000		OEE-216-2		
F			POFB						125	CLOSE AND TRIP CKT	0.00	0.00	OM-1303-13		PULL OFF FUSE BLOCK
			4EA						DC	FOR BKR 4A	000000		OEE-216-3		SLUGGED
G			FUSE						125	CLOSING CKT FOR	0.00	0.00	OM-1303-13		
			4EB						DC	BKR 4A	000000		OEE-216-3		
H			POFB						125	CLOSE AND TRIP CKT	0.00	0.00	OM-1303-13		PULL OFF FUSE BLOCK
			4EE						DC	FOR BKR 4C	000000		OEE-216-3		SLUGGED
I			FUSE						125	CLOSING CKT FOR	0.00	0.00	OM-1303-13		
			4EF						DC	BKR 4C	000000		OEE-216-3		
J			POFB						125	CLOSE AND TRIP CKT	0.00	0.00	OM-1303-13		PULL OFF FUSE BLOCK
			4EG						DC	FOR BKR 4D	000000		OEE-216-3		SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 PAGE 6

NORMAL POWER SOURCE
 ZDCB 3D
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 810
 COORD LOC R-74

ALTERNATE POWER SOURCE
 3DCB 5B

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
K	FUSE 4EH 2X3		CLOSING CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
L	POFB 5EA 2X3		CLOSE AND TRIP CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 2X3		CLOSING CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
N	POFB 5EC 2X3		CLOSE AND TRIP CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
O	FUSE 5ED 2X3		CLOSING CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3	BREAKER REMOVED
P	POFB 5EE 2X3		CLOSE AND TRIP CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
Q	FUSE 5EF 2X3		CLOSING CKT FOR BKR 5C	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
R	POFB 5EG 2X3		CLOSE AND TRIP CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	PULL OFF FUSE BLOCK SLUGGED
S	FUSE 5EH 2X3		CLOSING CKT FOR BKR 5D	125 DC	0.00 000000	OM-1303-13 OEE-216-3	
T	POFB 6EA 2X3		CLOSE AND TRIP CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	PULL OFF FUSE BLOCK SLUGGED
U	FUSE 6EB 2X3		CLOSING CKT FOR BKR 6A	125 DC	0.00 000000	OM-1303-13 OEE-216-4	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 3/17/89

NORMAL POWER SOURCE
 2DCB 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 30CB 3B

BLDG AUX ELEV 810

COORD LOC R-74

BUS COMPT UNIT TYPE UNIT LOAD TITLE DEVICE DESCRIPTION VOLTS PHASE FLA NOA D/P M/D D/P ELEM DEVICE ELEM COMMENTS

E	FUSE LD 2X5	RELAY 27X4 & 27X5 CKT	125 DC	0.00 000000	OM-1303-13 OEE-216-2			
F	POFB 4EA 2X5	CLOSE AND TRIP CKT FOR BKR 4A	125 DC	0.00 000000	OM-1303-13 OEE-216-3			PULL OFF FUSE BLOCK SLUGGED
G	FUSE 4EB 2X5	CLOSING CKT FOR BKR 4A	125 DC	0.00 000000	OM-1303-13 OEE-216-3			
H	POFB 4EE 2X5	CLOSE AND TRIP CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13 OEE-216-3			PULL OFF FUSE BLOCK SLUGGED
I	FUSE 4EF 2X5	CLOSING CKT FOR BKR 4C	125 DC	0.00 000000	OM-1303-13 OEE-216-3			
J	POFB 4EG 2X5	CLOSE AND TRIP CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3			PULL OFF FUSE BLOCK SLUGGED
K	FUSE 4EH 2X5	CLOSING CKT FOR BKR 4D	125 DC	0.00 000000	OM-1303-13 OEE-216-3			
L	POFB 5EA 2X5	CLOSE AND TRIP CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3			PULL OFF FUSE BLOCK SLUGGED
M	FUSE 5EB 2X5	CLOSING CKT FOR BKR 5A	125 DC	0.00 000000	OM-1303-13 OEE-216-3			
N	POFB 5EC 2X5	CLOSE AND TRIP CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3			PULL OFF FUSE BLOCK SLUGGED SPARE BKR
O	FUSE 5ED 2X5	CLOSING CKT FOR BKR 5B	125 DC	0.00 000000	OM-1303-13 OEE-216-3			SPARE BREAKER

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89 9

NORMAL POWER SOURCE
 ZDCB 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMS NO F4059

ALTERNATE POWER SOURCE
 3DCB 5B

BLDG AUX ELEV 810 COORD LOC R-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00

OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4

CLOSE AND TRIP CKT
 FOR BKR 5C
 CLOSING CKT FOR
 BKR 5C
 CLOSE AND TRIP CKT
 FOR BKR 5D
 CLOSING CKT FOR
 BKR 5D
 CLOSE AND TRIP CKT
 FOR BKR 6A
 CLOSING CKT FOR
 BKR 6A
 CLOSE AND TRIP CKT
 FOR BKR 6B
 CLOSING CKT FOR
 BKR 6B
 CLOSE AND TRIP CKT
 FOR BKR 6C
 CLOSING CKT FOR
 BKR 6C
 CLOSE AND TRIP CKT
 FOR BKR 6D
 CLOSING CKT FOR
 BKR 6D

PULL OFF FUSE BLOCK
 SLUGGED SPARE BKR
 SPARE BREAKER
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED SPARE BKR

P
 Q
 R
 S
 T
 U
 V
 W
 X
 Y
 Z

POFIB
 5EE
 2X5
 FUSE
 5EF
 2X5
 POFIB
 5EG
 2X5
 FUSE
 5EH
 2X5
 POFIB
 6EA
 2X5
 FUSE
 6EB
 2X5
 POFIB
 6EC
 2X5
 FUSE
 6ED
 2X5
 POFIB
 6EE
 2X5
 FUSE
 6EF
 2X5
 POFIB
 6EG
 2X5

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00
 DC 125 0.00

OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-3
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4
 OM-1303-13
 OEE-216-4

CLOSE AND TRIP CKT
 FOR BKR 5C
 CLOSING CKT FOR
 BKR 5C
 CLOSE AND TRIP CKT
 FOR BKR 5D
 CLOSING CKT FOR
 BKR 5D
 CLOSE AND TRIP CKT
 FOR BKR 6A
 CLOSING CKT FOR
 BKR 6A
 CLOSE AND TRIP CKT
 FOR BKR 6B
 CLOSING CKT FOR
 BKR 6B
 CLOSE AND TRIP CKT
 FOR BKR 6C
 CLOSING CKT FOR
 BKR 6C
 CLOSE AND TRIP CKT
 FOR BKR 6D
 CLOSING CKT FOR
 BKR 6D

PULL OFF FUSE BLOCK
 SLUGGED SPARE BKR
 SPARE BREAKER
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED
 PULL OFF FUSE BLOCK
 SLUGGED SPARE BKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A4

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89 10

NORMAL POWER SOURCE
 2DCB 3D

2DID
 125 VDC INSTRUMENTATION
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 3DCB 5B

ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 810 C-ORD LOC R-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
1	FUSE 6EH 2X5	CLOSING CKT FOR BKR 6D	125 DC	0.00 000000	OM-1303-13 OEE-216-4 SPARE BREAKER
2DID 16 2	BKR	SPARE	125 DC	0.00 000000	
2DID 17 2	BKR	SPARE	125 DC	0.00 000000	
2DID 18 2	BKR	SPARE	125 DC	0.00 000000	
2DID 19 2	BKR	SPARE	125 DC	0.00 000000	
2DID 20 2	FDBKR	DC BREAKER STATUS LIGHTS	125 DC	0.00 000000	0-1714-F OEE-230-4
A	SLTB P20 2VB1	DC ELECTRICAL SYS STATUS LIGHTS	125 DC	0.00 000000	0-1714-F OEE-230-4
STATUS LIGHTS					
2DID 21 2	FDBKR	STANDBY BUS 2 UNDERVOLTAGE ALARM	125 DC	0.11 000000	0-1766-E OEE-217-1Q
RELAY CKT					
2DID 22 2	FDBKR	PERSONNEL HATCH CONTROL PANEL	125 DC	0.00 000000	0-1769-R OEE-231-10
2DID 23 2	FDBKR	GEN NO 2 HYDROGEN AND STATOR COOLING WATER PANEL	125 DC	0.00 000000	0-1774

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89 11

NORMAL POWER SOURCE
 2DCB 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 30CB 3B

BLDG AUX ELEV 810 COORD LOC R-74

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA NOA	D/P M/D D/P ELEH DEVICE ELEM	COMMENTS
2CID 24 2	BKR		SPARE	125 0.00 DC 000000		
2CID 25 2	FDBKR		4 KV SWITCHGEAR B2T (1-4) (TRIP)	125 20.10 DC 000000	0-751-M 0EE-117-15 TO 18A	
A	PNLBKR LE B2T1		7 KV SWITCHGEAR B2T BKR TRIP	125 20.10 DC 000000	0-751-M 0EE-117-11A	
B	FUSE LC B2T1		7 KV SWITCHGEAR B2T BKR TRIP	125 6.70 DC 000000	0M-302-140 0EE-117-15A	
C	FUSE LC B2T3		7 KV SWGR BKR TRIP UNIT 1 7 KV SWITCHGEAR B2T BKR TRIP	125 6.70 DC 000000	0EE-117-15A 0M-302-142 0EE-117-17A	
D	FUSE LC B2T4		7 KV SWGR BKR TRIP UNIT 3 7 KV SWITCHGEAR B2T BKR TRIP	125 6.70 DC 000000	0EE-117-17A 0M-302-143 0EE-117-18A	
2CID 26 2	BKR		SPARE	125 0.00 DC 000000	0EE-117-18A	
2CID 27 2	BKR		SPARE	125 0.00 DC 000000		
2CID 28 2	BKR		SPARE	125 0.00 DC 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89 12

NORMAL POWER SOURCE
 2DCB 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 3DCB 3B

BLDG AUX ELEV 810 COORD LOC R-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

0-1705

9.3 KVA STATIC
 INVERTER 2DID

125 0.00
 DC 000000

2DID
 33
 2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 13

COMPT UNIT	TYPE UNIT	DIST PT	D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	ALTERNATE POWER SOURCE	COMMENTS
2KI 01	FDBKR				HAND POWER (ICS)	120	0.00		0-1785-B	
2						1	000000			
2KI 02	FDBKR				ISO TRANSFER DIODE 2ADF	120	11.00		0-1759-F OM-346-52	
2						1	000000			
2KI 03	FDBKR				EMERGENCY POWER (ICS) #1	120	0.00		0-1785-C	
2						1	000000			
2KI 04					SPARE	120	0.00			
2						1	000000			
2KI 05	FDBKR				EMERGENCY POWER (ICS) #2	120	0.00		0-1785-C	
2						1	000000			
2KI 06	FDBKR				CRD PRIMARY TRIP BREAKER ASSY UNIT 10	120	0.00		0-1782-L	
2						1	000000			
2KI 07					SPARE	120	0.00			
2						1	000000			
2KI 09	FDBKR				EMER STEAM GENERA- TOR LEVEL CONTROL	120	0.00		0-1785-B	
2						1	000000			
2KI 10	FDBKR				NUCLEAR INSTR 5TH CHANNEL	120	0.00		0-1781-D	
2						1	000000			
2KI 11	FDBKR				STATALARMS #2SA7,8 9,17 & 18 ON VERT BDS #2VB2 & #2VB3	120	0.00		0-1714-L CEE-218-15	
2						1	000000			
A	SLTB R71 2VB3				STATALARM #2SA17	120	0.00		0-1714-L CEE-218-33	
						1	000000			

LIST NUMBER 63A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 ALTERNATE POWER SOURCE
 ZDCB 3E

3/17/89
 15

NORMAL POWER SOURCE
 ZDCA 3E

120 VAC 1-PH ICS POWCR PA
 NELBOARD
 ONE-LINE DMG NO F4059

BLDG AB ELEV 809+00 COORD LOC R-74

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST P
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

2KI 18 2 SPARE 1 120 0.00 000000

2KI 19 2 SPARE 1 120 0.00 000000

2KI 20 2 FDBKR COMP ISOLATOR FOR RB RAD MONITOR & RB LEVEL 1 120 0.08 000000 0-1711-H OEE-223-1

A SLTB S117 ZUB2 COMP ISOLATOR FOR RB RAD MONITOR 1 120 0.04 000000 0-1711-H OEE-223-1

B SLTB S119 ZUB2 COMP ISOLATOR FOR RB LEVEL 1 120 0.04 000000 0-1711-H OEE-258-23

2KI 21 2 SPARE 1 120 0.00 000000

2KI 25 2 FDBKR AUTOV POWER ICS 1 240 0.00 000000 0-1785-B

2KI 26 2 SPARE 1 240 0.00 000000

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCNNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 16

NORMAL POWER SOURCE
 240 F481

2KRA
 240/120 VAC 1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2XP F1E

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	BLDG AB	VOLTS PHASE	FIA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
2KRA 01 2	FDBKR	STATIC SWITCH & INVERTER BYPASS #2K1	1	120	0.00 000000	0-1759-E	
2KRA 02 2	FDBKR	STATIC SWITCH & INVERTER BYPASS #2KX	1	120	0.00 000000	0-1759-E	
2KRA 03 2	FDBKR	AC VITAL INSTRU PWR PHLBD # 2KVIA TRANSFER SWITCH	1	120	0.00 000000	0-1759-E	
2KRA 04 2	FDBKR	AC VITAL INSTRU PWR PHLBD # 2KVIB TRANSFER SWITCH	1	120	0.00 000000	0-1759-E	
2KRA 05 2	FDBKR	AC VITAL INSTRU PWR PHLBD # 2KVIC TRANSFER SWITCH	1	120	0.00 000000	0-1759-E	
2KRA 06 2	FDBKR	AC VITAL INSTRU PWR PHLBD # 2KVID TRANSFER SWITCH	1	120	0.00 000000	0-1759-E	
2KRA 13 2	FDBKR	STATIC SWITCH & INVERTER BYPASS #2KU	1	240	0.00 000000	0-1759-E	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3/17/89
 PAGE 17

NORMAL POWER SOURCE
 EXO 54BT

2KRB
 240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 CORR LOC GA-74

ALTERNATE POWER SOURCE
 2XP FILE

BUS COMPT UNIT	TYPE UNIT DIST PT G/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA PHASE NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2KRB 01 2	FDBXR	H2 STATOR COOLING WATER PANEL		120 0.00 000000	0-1774 0EE-213-4	
A	FUSE FU H2 STCO PL	CORE MONITOR #CM-1			OM-1335-37	
B	FUSE FU H2 STCO PL	SOLENOID VALVE #20-ESOAX GAS DRYER HEATER		120 4.17 000000	0-1774 OM-1335-37	500 WATT HEATER
		H2 STATOR COOLING SYSTEM		120 0.00 000000	0-1774 OM-1335-37 & 38	
		SOLENOID VALVE #20-25			OM-1335-37	
		SOLENOID VALVE #20-27			OM-1335-37	
		SOLENOID VALVE #20-95			OM-1335-38	
		BELL #74-ACB			OM-1335-37	
		TEMPERATURE METER #23-1			OM-1335-37	
		THERMAL GAS ANALYZER #TGA			OM-1335-37	
		TEMPERATURE METER #23-9			OM-1335-37	
		CONDUCTIVITY MONITOR #CDM-1			OM-1335-38	
		CONDUCTIVITY RECORDER #COR-1			OM-1335-38	
		TEMPERATURE INDICATOR #T-1			OM-1335-38	
		TEMPERATURE INDICATOR #T-2			OM-1335-38	
		RELAY CIRCUIT FOR H2 STATOR COOL PNL			OM-1335-37 & 38	
C	FUSE FU H2 STCO PL	H2 STATOR COOLING PANEL LIGHTING		120 1.50 000000	0-1774 OM-1335-37	TOTAL 180 WATTS

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 18

NORMAL POWER SOURCE
 2X3 F48T

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00

ALTERNATE POWER SOURCE
 2XP FIE

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA D/P M/D COMMENTS
 D/P ELEM DEVICE ELEM

2KRB 02 2 SPARE 1 120 0.00 000000

2KRB 03 2 TURBINE CONTROL PANEL # 2TP1 1 120 0.00 000000 0-1770-A OEE-222-14

A SLTB SL1 2TP2 EXPANSION RECORDER 1 120 0.33 000000 0-1770-B

B SLTS YL1 2TP2 SPEED & VALVE POSITION RECORDER 1 120 0.19 000000 0-1770-B

C SLTB RL1 2TP2 VIBRATION & ECCENT RECORDER & SWITCHING UNIT 1 120 0.50 000000 0-1770-B

D SLTB SV1 2TP2 SHAFT VOLT TEST CONTROLS 1 120 0.00 000000 0-1770-B OEE-221-42

SOLENOID VALVE #20-SVTD VOLT METER #VH-SVTD 0EE-221-42 0EE-221-42

E SLTB FLABX 2TP2 TURBINE ALX HYDR FLUID TEMP CONTROL CIRCUIT 1 120 0.00 000000 0-1770-B OEE-222-3

FAN MOTOR #HF-1 FAN MOTOR #HF-2 0EE-222-3 0EE-222-3

RELAY CIRCUIT FOR HYDR FLUID TEMP CONT. 0EE-222-3

F SLTB 2KRBLS 2TP1 TURBINE ALX LIFT PUMP ALARM RELAY CIRCUIT 1 120 0.50 000000 0-1770-A OEE-222-14 & 15

LIST NUMBER 02A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 19

NORMAL POWER SOURCE
 2YG F4BT

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2XP FLE

BLDG AB ELEV 809+00 COORD LOC QA-74

BUS UNIT	TYPE UNIT D/ST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
2KRB 04 2	FDBKR		STEAM GENERATOR FEEDWATER PANEL	120	0.00	0-1775-A 0EE-247-6	
A	SLTB L 2SGFP		STEAM GENERATOR FEEDWATER PANEL RECEPTACLES	120	9.00	0-1775-A	
B	SLTB L 2SGFP		STM GEN FEEDWATER PANEL LIGHTS & INDICATING LIGHTS	120	0.00	0-1775-A 0EE-247-6	
2KRB 05 2			SPARE	120	0.00		
2KRB 06 2	FDBKR		TURBINE BLDG BSMT WATER DETECTION SYSTEM	120	0.00	0-1727 0EE-229-04	
A	FUSE TM1 TBWL PNL		CONTACTOR INTER- LOCK CIRCUIT	120	0.00	0-1727 0EE-229-04	
B	FUSE TM7 TBWL PNL		EMERG HIGH LEVEL DETECTION CIRCUIT	120	0.21	0-1727 0EE-229-04	
C	FUSE TM8 TBWL PNL		ALERT LEVEL DETECTION CIRCUIT	120	0.21	0-1727 0EE-229-05	
2KRB 07 2			SPARE	120	0.00		
2KRB 08 2			SPARE	120	0.00		
2KRB 09 2	FDBKR		ALARMED HUMIDITY SENSOR SYSTEM	120	0.00	0-1724	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = AC

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR PAGE 3/17/89
 20

NORMAL POWER SOURCE
 2XC F4BT

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2XP F1E

BLDG AB ELEV 80±00 COORD LOC QA-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 BIST PT
 D/P LOC

0-1724

1 120 0.00
 000000

HUMIDITY SENSOR
 RECORDER & TRANS-
 MITTERS

A SLTB
 HUM SEN C

HUMIDITY SENSOR TRANSMITTER # EHST

0-1724

0-1724

HUMIDITY SENSOR TRANSMITTER # WHST

0-1724

HUMIDITY SENSOR CABINET RECORDER

0-1724

2KRB
 10
 2

FESKR

HP HEATER BLANKET-
 ING SYSTEM (HBP)

1 120 0.00
 000000

0-1748-A
 OEE-248-13

A SLTB
 HBL
 HBP SECT A

HP HPS STEAM
 BLANKETING SYS

1 120 2.22
 000000

0-1748-A
 OEE-248-13 & 14

SOLENOID VALVE #2SV58

OEE-248-13

RELAY CIRCUIT FOR SOL. VLV #2SV58

OEE-248-13

SOLENOID VALVE #2SV63

OEE-248-13

RELAY CIRCUIT FOR SOL. VLV #2SV63

OEE-248-13

SOLENOID VALVE #2SV62

OEE-248-14

RELAY CIRCUIT FOR SOL. VLV #2SV62

OEE-248-14

SOLENOID VALVE #2SV67

OEE-248-14

RELAY CIRCUIT FOR SOL VLV. #2SV67

OEE-248-14

MOISTURE SEPARATOR
 DRAIN CONTROLS

0-1748-A
 OEE-254-36 & 37

B SLTB
 HBL
 HBP SECT A

1 120 1.50
 000000

SOLENOID VALVE #2SV141

OEE-254-36

SOLENOID VALVE #2SV142

OEE-254-36

LIST NUMBER 36A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

PAGE

3/17/89
 21

NORMAL POWER SOURCE
 2X0 F48T

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 2XP F1E

BLDG AB ELEV 809+00 COORD LOC QA-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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		SOLENOID VALVE #2SV143				0EE-254-36	
		SOLENOID VALVE #2SV144				0EE-254-36	
		SOLENOID VALVE #2SV145				0EE-254-37	
		SOLENOID VALVE #2SV146				0EE-254-37	

RELAY CIRCUIT FOR MOISTURE SEP DR CONTR.

C	SLTB HBL TB1130	HTR DRAIN TANK PUMP RECIRC CONTROLS		120	0.75	0-1748-G 0EE-248-15	
---	-----------------------	---	--	-----	------	------------------------	--

		SOLENOID VALVE #2SV123				0EE-248-15	
		SOLENOID VALVE #2SV124				0EE-248-15	
		SOLENOID VALVE #2SV125				0EE-248-15	
		SOLENOID VALVE #2SV126				0EE-248-15	

D	SLTB HBL TB1130	HTRS E1,E2,F1,F2 & F3 WATER LEVEL SWITCHES		120	0.00	0-1748-G 0EE-248-22	
---	-----------------------	--	--	-----	------	------------------------	--

		LEVEL SWITCH #2LS17				0EE-248-22	
		LEVEL SWITCH #2LS18				0EE-248-22	
		LEVEL SWITCH #2LS19				0EE-248-22	
		LEVEL SWITCH #2LS20				0EE-248-22	
		LEVEL SWITCH #2LS21				0EE-248-22	

RELAY CIRCUIT FOR FW HTRS LEVEL SMS.

E	SLTB HBL TB1101	RP HTR #A1 & #C BLEED LINE MTR LEV SMS & EMERG HI LEV		120	0.00	0-1748-E 0EE-248-22 & 24	
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LIST NUMBER 08A
 PLANT CODE = GCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE PAGE
 SAFETY COLOR ZXP FILE 3/17/89 23

ALTERNATE POWER SOURCE
 240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-74

NORMAL POWER SOURCE
 2X0 F48T

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
			PRIMARY POWER SUPPLY 115VAC/26VDC				0-1789-B
			CURRENT TRANSMITTER #2MT71				0-1789-C
			CURRENT TRANSMITTER #2MT72				0-1789-C
			BAROMETRIC PRESSURE TRANSMITTER #2ET58				0-1789-C

2KRB 12 2	FDBKR	SPARE	120	0.00	000000	0-1714-R
			1			

2KRB 13 2	FDBKR	VERTICAL BOARD #2VB3	120	0.00	000000	0-1714-R
			1			

A	SLTB 8911 2VB3	RCP #2A1 SEAL LEAKAGE FLOW RECORDER	120	0.00	000000	0-1714-R
		RCP #2A2 SEAL LEAKAGE FLOW RECORDER				
		RCP #2B1 SEAL LEAKAGE FLOW RECORDER				
		RCP #2B2 SEAL LEAKAGE FLOW RECORDER				
		RCP #2A1 SEAL LEAKAGE FLOW DIG DISPLAY				
		RCP #2A2 SEAL LEAKAGE FLOW DIG DISPLAY				
		RCP #2B1 SEAL LEAKAGE FLOW DIG DISPLAY				
		RCP #2B2 SEAL LEAKAGE FLOW DIG DISPLAY				
		RCP #2A1 SEAL LEAKAGE FLOW MULTIPLIER				
		RCP #2A2 SEAL LEAKAGE FLOW MULTIPLIER				
		RCP #2B1 SEAL LEAKAGE FLOW MULTIPLIER				
		RCP #2B2 SEAL LEAKAGE FLOW MULTIPLIER				

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A5

DUKE POWER COMPANY
 OCOONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR PAGE 3/17/89 24

NORMAL POWER SOURCE
 ZXP F4BT

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 ZXP F1E

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	BLDG AB	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
2KRB 14 2			RCP #282 SEAL LEAKAGE FLOW MULTIPLIER		120 0.00 1 000000		0-1714-R
2KRB 15 2			RELAY CIRCUIT WITH PWR SUP FOR MULTIP		120 0.00 1 000000		0-1714-R
2KRB 16 2			SPARE		120 0.00 1 000000		0-1785-B
2KRB 17 2			FAC. POWER (ICS)		120 0.00 1 000000		0-846-G
2KRB 18 2			PIPE BRIGADE RADIO RECEPTACLE & RADIO CABINET		120 0.00 1 000000		
2KRB 19 2			SPARE		120 0.00 1 000000		
2KRB 20 2			SPARE		120 0.00 1 000000		
2KRB 21 2			SPARE		120 0.00 1 000000		
2KRB 22 2			SPARE		120 0.00 1 000000		
2KRB 22 2			RB SUMP LEVEL TERM BOX		120 0.04 1 000000		0-1722-B 0FE-258-28
2KRB 22 2			SIGNAL ISOLATOR #2CF5L01		120 0.04 1 000000		0-1722-B 0FE-258-28

A
 SLTB
 KRB22L
 RBS LEV 19

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 25

NORMAL POWER SOURCE
 ZXP F481

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 ZXP FILE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	BLDG AB	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
2KRB 23 2	FDBKR	TRANSUCER #2ET57 IN TRANSUCER CAB #2TDC3	240	120	0.00	0-1789-D	
TRANSUCER #2ET57							
DIGITAL DISPLAY #DP11							
2KRB 24 2	FDBKR	TRANSUCER #2ET58 IN TRANSUCER CAB #2TDC3	240	120	0.00	0-1789-D	
TRANSUCER #2ET58							
DIGITAL DISPLAY #DP10							
2KRB 25 2	FDBKR	TURBINE CONTROLS FOR STOP VLVs & CONTROL VLVs	240	120	0.00	0-1766-B 0EE-221-20	
A	SLTB 2KRB25 2MTC1	CONTROL VLV #CV1 RELAY CIRCUIT	240	120	0.04	0-1766-B 0EE-221-24	
B	SLTB 2KRB25 2MTC1	CONTROL VLV #CV3 RELAY CIRCUIT	240	120	0.04	0-1766-B 0EE-221-26	
C	SLTB 2KRB25 2MTC1	CONTROL VLV #CV4 RELAY CIRCUIT	240	120	0.04	0-1766-B 0EE-221-27	
2KRB 26 2	FDBKR	SPARE	240	120	0.00		
2KRB 27 2	FDBKR	UNIT INTERFACE CONTROLLER ON ELECT BD #2EB8	240	120	10.00	0-715-R	
2KRB 28 2	FDBKR	TRANSUCERS #2ET62 & #2ET63 ON ELECT BD #2EB5	240	120	0.00	0-715-N	

LIST NUMBER 38A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 2XP
 FILE

ALTERNATE POWER SOURCE
 2XP FILE

3/17/89
 PAGE 26

NORMAL POWER SOURCE
 ZKR

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DKG NO P4059

BLDG AB ELEV 809+00 COORD LOC 9A-74

COMMENTS
 D/P M/D
 D/P ELEM
 DEVICE ELEM

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 I/RANK TITLE

DEVICE DESCRIPTION

2KRB 29 2 SPARE 1 120 0.00 000000

2KRB 30 2 SPARE 1 120 0.00 000000

2KRB 31 2 FDRKR EVENT RECORDER 1 120 0.00 000000

2KRB 32 2 SPARE 1 120 0.00 000000

2KRB 33 2 FDBKR UNIT 1 TRANSIENT MONITOR 1 120 0.00 000000

2KRB 34 2 FDBKR TURBINE TERMINAL CABINET # 2TTC2 1 120 0.00 000000
 O-1772-C
 OEE-222-16

A SLTB TURBINE CONTROL PANEL CLOCK, CAB. LGTS & RECEPTACLES 1 120 0.00 000000
 L 2TP2

B SLTB TURBINE AUX ALARM CIRCUIT 1 120 0.00 000000
 KRBL34
 2TTC2

C SLTB TURBINE AUX PUMP TEST SOLENOID VLVS 1 120 0.00 000000
 FGI
 TOT

SOLENOID VALVE #20-SPT OEE-222-17

SOLENOID VALVE #20-TGPT OEE-222-17

SOLENOID VALVE #20-EBPT-A OEE-222-17

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOUR
 3/17/89
 PAGE 27

NORMAL POWER SOURCE
 ZXO F48T

240/120 VAC-1PH REGULATED
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00

ALTERNATE POWER SOURCE
 ZXP FIE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	BLDG AB	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		SOLENOID VALVE #20-EBPT-B				0EE-222-17	
		SOLENOID VALVE #20-EBPT-AX				0EE-222-17	
		SOLENOID VALVE #20-EBPT-BX				0EE-222-17	
D	SLTB KRBL34 ZTTC3	TURBINE STEAM DRAIN SOLENOID VALVES	120	0.00		0-1772-D 0EE-221-41	
		SOLENOID VALVE #20DV-3				0EE-221-41	
		SOLENOID VALVE #20DV-4				0EE-221-41	
E	SLTB NG1 HYD PMR JB	HYDR FLUID PUMPS #A & #B TEST SOL- ENOID VALVES	120	0.00		0-1771-C 0EE-222-17	
		SOLENOID VALVE #20 HFPT-A				0EE-222-17	
		SOLENOID VALVE #20 HFPT-B				0EE-222-17	
F	SLTB NG5 HYD PMR JB	EHC MANIFOLD PRESS TRANSMITTERS & RECEIVER	120	0.00		0-1771-C 0EE-222-17	
G	SLTB P13 2AB1	HYDR FLUID PUMPS #A & #B & STANDBY FLUID PMP CONTROLS	120	0.00		0-1712-D 0EE-222-16 & 222	
H	SLTB KRBL34 ZTP2	HYDR FLUID PUMPS #A & #B FILTER CONTROLS	120	0.00		0-1770-B 0EE-222-1	
I	SLTB KRBL34 ZTTC2	TURBINE CONTROL OIL SIGHT LIGHTS	120	0.00		0-1772-C 0EE-221-42	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR ALTERNATE POWER SOURCE
 2DCB 4B

3/17/89
 PAGE 28

NORMAL POWER SOURCE
 ZDCA 4B

240/120 VAC-1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DMS NO F4059

BLDG AB ELEV 809+00 COORD LOC QA-74

COMMENTS

VOLTS FLA D/P M/D
 PHASE NOA D/P ELEH
 DEVICE DESCRIPTION

BUJ UNIT	TYPE UNIT DISY PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEH DEVICE ELEM	COMMENTS
2KU 01 2	FDBKR		COMPUTER TYPERS & COUNTERS LAMP BANK	120	0.00		
2KU 02 2	FDBKR		ISO TRANSFER DIODE ZADL	120	11.00		0-1759-F CM-346-52
2KU 03 2	FDBKR		UNIT 2 COMPUTER CAB G4 GRAPHIC DISPLAY	120	0.00		
2KU 04 2	FDBKR		COMPUTER DATANET CABINET	120	0.00		0-1790-A
2KU 05 2	FDBKR		INDICATING LIGHTS FOR CORE FLOODING VALVE 2/55/42	120	0.00		0-1714-I OEE-253-1
2KU 06 2	FDBKR		FIRE PROTECTION SYSTEM	120	0.00		0-756-H
2KU 07 2	FDBKR		SPARE	120	0.00		
2KU 08 2	FDBKR		STATALARMS #2SA6 & #2SA13 ON VERT BDS #2VB2 & #2VB3	120	0.00		0-1714-I OEE-218-13
A	SLTB K67 2VB2		STATALARM #2SA6	120	0.00		0-1714-I OEE-218-13
B	SLTB R54 2VB3		STATALARM #2SA13	120	0.00		0-1714-I
2KU 09 2	FDBKR		PERIPHERAL TABLE TYPERS, READERS & PUNCH	120	0.00		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCOONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 29

ALTERNATE POWER SOURCE
 ZDCB 4B

INTERNAL POWER SOURCE
 ZDCA 4B

240/120 VAC-1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	BLDG AB	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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2KU 10 2	FDBKR	TERMINAL BOX #1B1		120	0.00	0-798-08E 0EE-98-D4	
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2KU 11 2	FDBKR	COMP CRT DISPLAY & MISC REC & PLANT TV SYSTEM		120	0.00	0-1711-C	
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A	SLTB A35 2UB1	REACTOR LEVEL INDICATOR #I-18		120	0.00	0-1711-C	
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B	SLTB A25 2UB1	GROUP POSITION C & D INDICATOR #I-19		120	0.00	0-1711-C	
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C	SLTB A5 2UB1	GROUP POSITION A & B INDICATOR #I-20		120	0.00	0-1711-C	
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D	SLTB A9 2UB1	SOURCE & INTERM RANGE RECORDER #R-7		120	0.00	0-1711-C	
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E	SLTB A7 2UB1	POWER RANGE LEVEL RECORDER #R-12		120	0.00	0-1711-C	
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F	SLTB A3 2UB1	RECEPTACLE #PRI ON #2UB1		120	1.50	0-1711-C	
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G	SLTB K1 2UB2	RECEPTACLE #PR2 ON #2UB2		120	1.50	0-1711-F	
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H	SLTB K3 2UB2	TREND RECORDER #TR4 ON #2UB2		120	0.18	0-1711-F	
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I	SLTB K5 2UB2	TREND RECORDER #TR3 ON #2UB2		120	0.18	0-1711-F	
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LIST NUMBER: 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 2DCB

ALTERNATE POWER SOURCE
 2DCB 4B

PAGE 30
 3/17/89

NORMAL POWER SOURCE
 2DCA 4B

240/120 VAC-1PH COMPUTER
 POWER PANELBOARD
 2KJ
 0-1711-F
 BLDG AB ELEV 809+00 COORD LOC QA-74

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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J	SLTB K7 2UB2	TREND RECORDER #TR2 ON #2UB2	0-1711-F	120	0.18 000000		
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K	SLTB K9 2UB2	ISLATION TRANS- FORMER FOR INCORE DETECTOR #II-1	0-1711-F	120	0.00 000000		
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L	SLTB K11 2UB2	COMPUTER GONG #AS2	0-1711-F	120	0.00 000000		
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M	SLTB S109 2UB2	COMP ISO'ATOR FOR RB RAD MONITOR	0-1711-H 0EE-223-1	120	3.04 000000		
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N	SLTB S111 2UB2	COMP ISOLATOR FOR RB LEVEL	0-1711-H 0EE-258-23	120	0.04 000000		
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2KU 12 2	FDBKR	PERFORMANCE PNL, TYPER PT4,CRT & TREND RECCORDERS	0-716-A	120	0.00 000000		
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A	SLTB B11 2PC	TREND RECCORDERS #TR-5, #TR-6 & #TR-7 ON #2PC	0-716-A	120	0.00 000000		
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B	SLTB B8 2PC	RECEPTACLE FOR PERFORMANCE MON- ITOR CRT ON #2PC	0-716-A	120	0.00 000000		
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C	SLTB B6 2PC	RECEPTACLE FOR OUTPUT TYPER #PT-4 ON #2PC	0-716-A	120	0.00 000000		
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2KU 13 2	FDBKR	COMPUTER CAB P-1	0-1790-A	240	0.00 000000		
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2KU 14 2	FDBKR	SPARE		240	0.00 000000		
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LIST NUMBER 03A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONOMOC NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 4B

PAGE 31
 3/17/89

NORMAL POWER SOURCE
 ZDCA 4B

240/120 VAC-1PH COMPUTER
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 2DCB 4B

ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00

COORD LOC QA-74

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

TYPE UNIT
 DIST PT
 D/P LOC

BRANCH TITLE
 DEVICE DESCRIPTION

SPARE

1 120 0.00
 000000

SPARE

1 240 0.00
 000000

TCS CABINET #7

1 120 0.00
 000000

Ø-1785-C

COMPUTER CAB #P-1

1 240 0.00
 000000

Ø-1790-A

SPARE

1 240 0.00
 000000

2KU
 17
 2

2KU
 18
 2

2KU
 21
 2

2KU
 25
 2

2KU
 26
 2

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

2KH	208Y/120 VAC AREA RADIATION MONT EQUIP PWR PNLBD
2XX	120 VAC-3PH AUXILIARY POWER SYSTEM PANELBOARD
3DCA	125VDC CONTROL POWER DISTRIBUTION CENTER
3DCB	125VDC CONTROL POWER DISTRIBUTION CENTER
3K71A	120 VAC VITAL INSTRUMENT POWER PANELBOARD

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE NO = A6

D U K E P O W E R C O M F A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 2

NORMAL POWER SOURCE
 ZXS2 R2CB

208Y/120 VAC AREA RADIAT-
 ION MONT EQUIP PMR PNLBD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE

2KM

COORD LOC Q-75

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	BLDG TRB	ELEV	NO	VOLTS PHASE	FLA NDA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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		SOLENOID VALVE #2SV184								0EE-238-3
		SOLENOID VALVE #2SV185								0EE-238-5
		SOLENOID VALVE #2SV186								0EE-238-7

2KM 12 2			SPARE				120	0.00		
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2KM 13 2			SPARE				120	0.00		
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2KM 14 2	FDBKR		MISC TERMINAL CABINET 2MTC1				120	0.00		0-1766-B
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A	SLTB L 2MTC1		SPENT FUEL COOLER C FLOW TRANSMITTER #FT74P PMR SUPPLY				120	0.00		0-1766-B
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2KM 15 2			SPARE				120	0.00		
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2KM 16 2			SPARE				120	0.00		
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2KM 17 2			SPARE				120	0.00		
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2KM 18 2			SPARE				120	0.00		
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2KM 19 2			SPARE				120	0.00		
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE

PAGE 3
 3/17/89

NORMAL POWER SOURCE
 2XS2 R2CB

208Y/120 VAC AREA RADIAT-
 ION MONIT EQUIP PWR PHLBD

ONE-LINE DIAG NO F4059
 BLDG TRB ELEV 809

COORD LOC Q-75

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

SPARE
 1 120 0.00
 1 000000

SPARE
 1 120 0.00
 1 000000

SPARE
 1 120 0.00
 1 000000

SPARE
 1 120 0.00
 1 000000

SPARE
 1 120 0.00
 1 000000

SPARE
 1 120 0.00
 1 000000

SPARE
 1 120 0.00
 1 000000

SPARE
 1 120 0.00
 1 000000

FDBKR
 1 120 0.19
 000000
 O-1758-A
 OEE-251-28

SOLENOID VALVE #2CV191
 OEE-251-28

FDBKR
 1 120 0.00
 000000
 FAIL FUEL DETECT-
 ION SYSTEM
 RECEPTACLE
 O-1767-A17

2KM
 20
 2

2KM
 21
 2

2KM
 22
 2

2KM
 23
 2

2KM
 24
 2

2KM
 25
 2

2KM
 26
 2

2KM
 27
 2

2KM
 28
 2

2KM
 29
 2

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE PAGE
 SAFETY COLOR 3/17/89 4

NORMAL POWER SOURCE
 2XS-2 R2CB

208Y/120 VAC AREA RADIAT-
 ION MONT EQUIP PWR PNLBD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA D/P M/D B/P ELEM COMMENTS

2KM 30 2 SPARE 1 120 0.00 000000

2KM 31 2 SPARE 3 208 0.00 000000

2KM 32 2 SPARE 3 208 0.00 000000

2KM 33 2 FDBKR UNIT 2 PA SYSTEM 0-1767-A13
 AMPLIFIERS-REACTOR BUILDING 3 208 14.00 000000

A BKR REACT BLDG PA AMPLIFIER REACTOR BLDG EL.861' + 6" 1 120 7.00 000000 0-860-K

B BKR REACT BLDG PA AMPLIFIER REACTOR BLDG EL.825' + 0" 1 120 7.00 000000 0-860-K

C BKR REACT BLDG PA AMPLIFIER REACTOR BLDG EL.844' + 0" 1 120 7.00 000000 0-860-K

D BKR REACT BLDG PA AMPLIFIER REACTOR BLDG EL.796' + 6" 1 120 7.00 000000 0-860-K

E BKR REACT BLDG PA AMPLIFIER REACTOR BLDG EL.775' + 0" 1 120 7.00 000000 0-860-K

2KM 34 2 FDBKR UNIT 2 PA SYSTEM 0-860-K
 AMPLIFIERS-TURBINE & AUX BUILDINGS 3 208 49.00 000000

A BKR TURB BLDG PA AMPLIFIER TURBINE BLDG EL.796' + 6" COL J-34 1 120 7.00 000000 0-860-K

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O R T M E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

PAGE 5

3/17/89

NORMAL POWER SOURCE
 2XS2 R2CB

208Y/120 VAC AREA RADIAT-
 ION MONT EQUIP PHR PNLBD
 ONE-LINE DIAG NO F4059
 2KM
 BLDG TRB ELEV 809

ALTERNATE POWER SOURCE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
B	BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG EL.822' COL J-34	120 1	7.00 000000	0-860-K	
C	BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG EL.796'+6"COL D-34	120 1	7.00 000000	0-860-K	
D	BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG EL.822' COL D-34	120 1	7.00 000000	0-860-K	
E	BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG EL.775' COL D-34	120 1	7.00 000000	0-860-K	
F	BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG EL.775' COL J-34	120 1	7.00 000000	0-860-K	
G	BKR AUX BLDG		PA AMPLIFIER AUXILIARY BLDG EL.838' COL 0-79	120 1	7.00 000000	0-860-K	
H	BKR AUX BLDG		PA AMPLIFIER AUXILIARY BLDG EL.822'	120 1	7.00 000000	0-860-K	
I	BKR AUX BLDG		PA AMPLIFIER AUXILIARY BLDG EL. 809'+3"	120 1	7.00 000000	0-860-K	
J	BKR AUX BLDG		PA AMPLIFIER AUXILIARY BLDG EL.796'+6"COL P-81	120 1	7.00 000000	0-860-K	
K	BKR AUX BLDG		PA AMPLIFIER AUXILIARY BLDG EL.783'+9"COL N-78	120 1	7.00 000000	0-860-K	
L	BKR AUX BLDG		PA AMPLIFIER AUXILIARY BLDG EL.771' COL P-78A	120 1	7.00 000000	0-860-K	

LIST NUMBER 08A
 PLANT CODE = GCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 6

NORMAL POWER SOURCE
 2XS2 R2CB

208Y/120 VAC AREA RADIAT-
 ICN MONT EQUIP PWR PNLBD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE

BLDG TRB ELEV 809 COORD LOC Q-75 D/P M/D
 VOLTS FLA D/P ELEH
 PHASE NOA DEVICE ELEM
 COMMENTS

BUS
 COMPT
 UNIT

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

M BKR BLDG
 BKR AUX BLDG
 PA AMPLIFIER
 AUXILIARY BLDG
 EL.758
 1 120 7.00
 000000
 0-860-K

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 ALTERNATE POWER SOURCE
 2DCB 3F

3/17/89
 PAGE 7

NORMAL POWER SOURCE 20CA 3F
 120 VAC-1PH AUXILIARY POWER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-74

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
2KX 01 2	FDBKR		ELECTRO-HYDRAULIC CONTROL CAB	120	0.13	0-1771-A OEE-221-45	
A	SWITCH SI EHC CAB		ELECTRO-HYDRAULIC CONTROL CAB	120	0.13	0-1771-A OEE-221-45	
2KX 02 2	FDBKR		TURBINE SUPER CAB 2TSI	120	3.00	0-1772-L OM-1335-2	
2KX 03 2			SPARE	120	0.00		
2KX 04 2	FDBKR		FEEDWATER PUMP TURBINE NO 2A TACH.	120	0.17	0-1776-A OEE-246-16	
2KX 05 2	FDBKR		COMPUTER TRANS- DUCER (BACK-UP SUPPLY)	120	0.00	0-1789-B	
2KX 06 2	FDBKR		FEEDWATER PUMP TURBINE NO 2B TACH	120	0.17	0-1776-B OEE-246-16	
2KX 07 2	FDBKR		FMPT NO 2A MOTOR CONTROL UNIT	120	5.05	0-1776-C OEE-246-6	
			FMPT #2A MTR CONTROL UNIT			OEE-246-6	
			FMPT #2A MCU TRANSDUCER #2MT73			OEE-246-6	
2KX 08 2	FDBKR		FMPT NO 2B MOTOR CONTROL UNIT	120	5.05	0-1776-C OEE-246-7	
			FMPT #2B MTR CONTROL UNIT			OEE-246-7	

LIST NUMBER 00A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2KX

SAFETY CLASS NE
 SAFETY COLOR 2DCB 3F

PAGE 8

NORMAL POWER SOURCE
 29CA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AB ELEV 809+00

ALTERNATE POWER SOURCE
 2DCB 3F

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NRA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		COORD LOC 9A-74				

FNPT #29 MCU TRANSDUCER #2MT74

0EE-246-7

2KX
 09
 2

FDBK#	RECORDERS ON #2VB1 #2VB2 & #2VB3 & GND DET RELAYS	120	0.00	000000	0-1714-F 0EE-213
A	SLTB A40 2VB1	1	0.00	000000	0-1714-F
B	SLTB A35 2VR1	1	0.19	000000	0-1714-F
C	SLTB A26 2VB1	1	0.19	000000	0-1714-F
D	SLTB A21 2VE1	1	0.00	000000	0-1714-F
E	SLTB A11 2VB1	1	0.42	000000	0-1714-F
F	SLTB A8 2VB1	1	0.00	000000	0-1714-F
G	SLTB A6 2VQ1	1	0.33	000000	0-1714-F
H	SLTB A6 2VB1	1	0.00	000000	0-1714-F
I	SLTB A3 2VB1	1	0.33	000000	0-1714-F

REHEATER TUBE LEAK
 DETECTOR RECORDER
 #R7

LIST NUMBER 98A
 PLANT CODE = OCH
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 2DCB 5F

PAGE 3/17/89 9

NORMAL POWER SOURCE
 ZDCA 5F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC GA-74

ALTERNATE POWER SOURCE
 ZDCB 5F

BUS COMPT UNIT	TYPE UNIT DISC PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
J	SLTB C1 2VB1		GEN STATOR RTD'S SWITCHING CIRCUIT	120	0.00	0-1714-F 0EE-213	
K	FUSE FU 2VB1		GAS & STATOR RTD'S TEMP INDICATOR	120	0.00	0-1714-F 0EE-213	
L	SLTB H1 2VB2		TURB VIBRATION & ECCENTR SWITCHING UNIT #R8-A	120	0.00	0-1714-I	
M	SLTB H3 2VB2		TURB BRG OIL TEMP SWITCHING UNIT #R3-A	120	0.00	0-1714-I	
N	SLTB K03 2VB2		UTILITY RECORDER #R7	120	0.33	0-1714-I	
O	SLTB K91 2VB2		TURB VIBRATION & ECCENTR RECORDER #R8	120	0.33	0-1714-I	
P	SLTB K89 2VB2		TURB SPEED & VALVE POSITION RECORDER #R9	120	0.19	0-1714-I	
Q	SLTB K87 2VB2		RC PUMP TEMP & PRESSURE RECORDER #R10	120	0.00	0-1714-I	
R	SLTB K65 2VB2		RC PUMP TEMP & PRESS SWITCHING UNIT #R10-A	120	0.00	0-1714-I	
S	SLTB K83 2VB2		QUENCH TANK TEMP, PRESS & LEVEL RE- CORDER #R11	120	0.19	0-1714-I	
T	SLTB M5R 2VB2		TURBINE BRG OIL TEMP RECORDER #R3	120	0.33	0-1714-I	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 2KX
 120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC QA-74

SAFETY CLASS NE
 SAFETY COLOR 2DCB 3F
 ALTERNATE POWER SOURCE
 3/17/89
 PAGE 10

NORMAL POWER SOURCE
 ZDCA 3F

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
U	SLTB M63 2VB2		TURBINE EXPANSION RECORDER #R2	120	0.33 000000	0-1714-I	
V	SLTB M68 2VB2		GENERATOR FIELD TEMP RECORDER #R1	120	0.42 000000	0-1714-I	
W	SLTB M73 2VB2		UNIT LOAD RECORDER #R6	120	0.42 000000	0-1714-I	
X	SLTB M78 2VB2		TURBINE METAL TEMP RECORDER #R5	120	0.33 000000	0-1714-I	
Y	SLTB M83 2VB2		MAIN STEAM TEMP RECORDER #R4	120	0.33 000000	0-1714-I	
Z	SLTB R47 2VB3		FMPT #A & #B VIBRATION & ECCENT RECORDER #R1	120	0.00 000000	0-1714-L	
0	SLTB R52 2VB3		FMPT #A & #B OIL TEMP RECORDER #R3	120	0.33 000000	0-1714-L	
1	SLTB V67 2VB3		FMPT #A & #B HYDR OIL RECORDER #R5	120	0.00 000000	0-1714-M	
2	SLTB V60 2VB3		FMPT #A & #B CON- TROL OIL RECORDER #R8	120	0.00 000000	0-1714-M	
3	SLTB V53 2VB3		FMPT #A & #B SPEED RECORDER #R2	120	0.19 000000	0-1714-M	
4	SLTB V48 2VB3		TREND RECORDER #TR-1	120	0.00 000000	0-1714-M	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 2DCB 3F

3/17/89
 11

NORMAL POWER SOURCE
 2DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC GA-74

ALTERNATE POWER SOURCE
 2DCB 3F

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
5	SLTB V46 2VB3		FWPT #A & #B BRG OIL RECORDER #R4	120	0.00 000000	0-1714-N	
6	SLTB X35 2VB3		FWPT #A & #B OIL TEMP SWITCHING UNIT #R3-A	120	0.00 000000	0-1714-N	
7	FUSE 2RL1 2EB5		GENERATOR GROUND DETECTION SYSTEM	120	0.00 000000	0-715-C 0EE-211-5	
8	FUSE 2RL3 2EB5		EXCITER FIELD GND DETECTION SYSTEM	120	0.00 000000	0-715-0	
2KX 10 2	FDBKR		WATT HOUR METER COUNTERS ON #2EB4, #2EB3, #2EB2 & #2EB1	120	0.00 000000	0-715-N 0EE-211-3	
A	SLTB 2MUL7 2EB4		MHM/2T POWER SUPPLY	120	0.00 000000	0-715-N 0EE-211-3	
B	SLTB 2MUL1 2EB3		MHM/2T GEN #2 PMR SUPPLY	120	0.00 000000	0-715-N 0EE-211-3	
C	SLTB 2MUL5 2EB3		AR-VR RECORDER	120	0.00 000000	0-715-N 0EE-211-3	
D	SLTB 2MUL6 2EB2		MHM/CT2 POWER SUPPLY	120	0.00 000000	0-715-M 0EE-211-3	
E	SLTB 2MUL2 2EB1		MHM/X PHASE POWER SUPPLY	120	0.00 000000	0-715-M 0EE-211-3	
F	SLTB 2MUL3 2EB1		MHM/Y PHASE POWER SUPPLY	120	0.00 000000	0-715-M 0EE-211-3	

LIST NUMBER 08A
 PLANT CODE = 0CN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE 3/17/89
 SAFETY COLOR 12

NORMAL POWER SOURCE
 ZDCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DNG NO F4059

ALTERNATE POWER SOURCE
 ZSCB 3F

BLDG AB ELEV 809+00 COORD LOC Q1-74

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVI DESCRIPTION	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
G	SLTB 2MUL4 2EB1		M/H/ Z PHASE POWER SUPPLY	120 0.00 1 000000	0-715-M OEE-211-3	
2KX 11 2			SPARE	120 0.00 1 000000		
2KX 12 2	FDBKR		RECORDERS ON AUX- ILIARY BENCHBOARD #2AB3	120 0.00 1 000000	0-1713-G	
A	SLTB N73 2AB3		STACK FLOW UNIT #2 INDICATOR #126	120 0.00 1 000000	0-1713-G	
B	SLTB N71 2AB3		RB PURGE FLOW RECORDER #CI5	120 0.00 1 000000	0-1713-G	
C	SLTB N69 2AB3		STACK FLOW UNIT #2 RECORDER #CI6	120 0.00 1 000000	0-1713-G	
2KX 13 2	FDBKR		VITAL POWER STAT- ALARMS ON VERT BD #2VB2	120 0.00 1 000000	0-1714-I	
A	SLTB H18 2VB2		STATALARMS #2SA16	120 0.00 1 000000	0-1714-I OEE-218-31 & 32	
B	SLTB H16 2VB2		STATALARMS #2SA15	120 0.00 1 000000	0-1714-I OEE-218-29 & 30	
C	SLTB H14 2VB2		STATALARMS #2SA14	120 0.00 1 000000	0-1714-I OEE-218-27 & 28	
2KX 14 2	FDBKR		CONTRJL ROD CAB SL-2,BKR CB-1	120 0.00 1 000000	0-1782	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 2DCB 3F

PAGE 3/17/89
 13

NORMAL POWER SOURCE
 2DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AB ELEV 809+00

ALTERNATE POWER SOURCE
 2DCB 3F

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA D/P W/D D/P W/D COMMENTS
 DIST PT D/P LOC

RELAY CIRCUIT FOR INTERFACE CAB 0-1782-6

2KX 15 2 FDBKR ALIERREX EXCITA-TION SYSTEM 1 120 0.00 0000000 0-1773-B OEE-210-4
 CUBICLE LIGHT CIRCUIT OM-1312-9
 CUBICLE RECEPTACLE CIRCUIT OM-1312-9
 AUTO TRACKING CONTROLLER JEE-210-4

2KX 16 2 FDBKR FMPT NO 2A TURNING GEAR SOL 1 120 0.00 0000000 0-1776-A OEE-246-10
 SOLENOID VALVE #S-2A OEE-246-10
 RELAY CIRCUIT FOR TURN GEAR SOL. #S-2A OEE-246-10

2KX 17 2 FDBKR FMPT NO 2B TURNING GEAR SOL 1 120 0.00 0000000 0-1775-A OEE-246-11
 SOLENOID VALVE #S-2B OEE-246-11
 RELAY CIRCUIT FOR TURN GEAR SOL #S-2B OEE-246-11

2KX 18 2 FDBKR PLANT STATALARM SYSTEM & 2SA5 1 120 0.00 0000000 0-1766-C
 A SLTB 2KXL18 2MTC2 POWER PANEL ON STATALARM INPUT CAB #2SAC 1 120 0.00 0000000 0-1765-C OM-311-87
 B SLTB 502 HBP SECT B STATALARMS #2SA10 & #2SA11 1 120 0.00 0000000 0-1748-B OM-311-83, 85 & 86
 C SLTB FRD 21P2 STATALARM PANEL #2SA 1 120 0.00 0000000 0-1770-B OEE-218-1 & 2

LIST NUMBER 08A
 PLANT CODE = OCH
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 2DCB 3F

3/17/89
 PAGE 14

NORMAL POWER SOURCE
 2DCA 3F

120 VAC-1PH AUXILIARY PGM
 ER SYSTEM PANELEBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC 9A-74

ALTERNATE POWER SOURCE
 2DCB 3F

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
0	SLTB G67 2VB1	STATALARM #2SA5	120 0.00 000000	0-1714-G 0EE-218-11 & 12	
E	SLTB 2KXL18 2MTC2	INSTR POWER ALARM PANEL STATALARM #2SA12	120 0.00 000000	0-1766-C	
2KX 19 2	FDBKR	ISO TRANSFER DIODE 2ADG	120 11.00 000000	0-1759-F 0M-346-52	
2KX 20 2	FDBKR	INDICATING LIGHTS FOR CORE FLOODING VLV #2/53/41	120 0.00 000000	0-1714-I 0EE-253	
2KX 21 2		SPARE	120 0.00 000000		
2KX 22 2	FDBKR	CRD PRIMARY TRIP BREAKER ASSY UNIT 11	120 0.00 000000	0-1782-L	
2KX 23 2		SPARE	120 0.00 000000		
2KX 24 2		SPARE	120 0.00 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR 15

3/17/89
 15

NORMAL POWER SOURCE		ALTERNATE POWER SOURCE	
BUS	TYPE UNIT	LOAD TITLE	BRANCH TITLE
COMPT	DIST PT	VOLTS	FLA
UNIT	D/P LOC	PHASE	NOA
	DEVICE DESCRIPTION	NOA	DEVICE ELEM
3DCA	FDBKR	125 VDC CNTRL PMR	0-2759-C
1A		BUS 3DCA AND 3DCB	
3		TIE BKR	
3DCA	FDBKR	CONTROL BATTERY	0-2759-E
1B		CHARGER 3CA	
3			
3DCA	FDBKR	CONTROL BATTERY	0-2705
2A		3CA	
3			
3DCA	FDBKR	STAND-BY CNTRL	0-2759-E
2B		BATTERY CHARGER	
3		3CS	
3DCA	FDBKR	INST AND CNTRL PMR	0-1759-F
3A		PNL 2DIA	
2			
3DCA	FDBKR	INST AND CNTRL PMR	0-1759-F
3B		PNL 2DIC	
2			
3DCA	FDBKR	INST AND CNTRL PMR	0-2759-F
3C		PNL 3DIA	
3			
3DCA	FDBKR	INST AND CNTRL PMR	0-2759-F
3D		PNL 3DIB	
3			
3DCA	FDBKR	INTEGRATED CONTROL	0-2759-F
3E		SYS INVERTER 3KI	
3			
3DCA	FDBKR	AUX POWER SYS	0-2759-F
3F		INVERTER 3KX	
3			
3DCA	FDBKR	COMPUTER SYSTEM	0-2759-F
4B		INVERTER 3KU	
3			

ISOL TRANSFER DIODE
 2ADA

ISOL TRANSFER DIODE
 2ADC

ISOL TRANSFER DIODE
 3ADA

ISOL TRANSFER DIODE
 3ADB

ISOL TRANSFER DIODE
 3ADF

ISOL TRANSFER DIODE
 3ADG

ISOL TRANSFER DIODE
 3ADE

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR 1E
 PAGE 16
 3/17/89

NORMAL POWER SOURCE

3DCA
 125VDC CONTROL POWER
 DISTRIBUTION CENTER
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 7%+00 COORD LOC P-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3DCA 4C 3	BKR	SPARE		125 DC	0.00 000000		
3DCA 4D 3	BKR	SPARE		125 DC	0.00 000000		
3DCA 4EB 3	BKR	SPARE		125 DC	0.00 000000		
3DCA 4ET 3	BKR	SPARE		125 DC	0.00 000000		

ALTERNATE POWER SOURCE

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 O'CONNOR NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR

3/17/89
 17

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVIDE DESCRIPTION	VOLTS FLA PHASE NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3DCB 1A 3	FDBKR	125 VDC CNTRL PMR BUS 3DCB AND 3DCA TIE BKR	125 DC	0.00 000000	0-2759-B	ALTERNATE POWER SOURCE
3DCB 1B 3	FDBKR	CONTROL BATTERY CHARGER 3CB	125 DC	0.00 000000	0-2759-E	
3DCB 2A 3	FDBKR	CONTROL BATTERY 3CB	125 DC	0.00 000000	0-2705	
3DCB 2B 3	FDBKR	STAND-BY CONTROL BATTERY CHARGER 3CS	125 DC	0.00 000000	0-2759-E	
3DCB 3A 2	FDBKR	INST AND CNTRL PMR PNL 2DIB	125 DC	0.00 000000	0-1759-F	ISOL TRANSFER DIODE 2ADB
3DCB 3B 2	FDBKR	INST AND CNTRL PMR PNL 2DID	125 DC	0.00 000000	0-1759-F	ISOL TRANSFER DIODE 2ADD
3DCB 3C 3	FDBKR	INST AND CNTRL PMR PNL 3DIC	125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADC
3DCB 3D 3	FDBKR	INST AND CNTRL PMR PNL 3DID	125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADD
3DCB 3E 3	FDBKR	INTEGRATED CONTROL SYS INVERTER 3KI	125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADF
3DCB 3F 3	FDBKR	AUX POWER SYS INVERTER 3KX	125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADG
3DCB 4B 3	FDBKR	COMPUTER SYSTEM INVERTER 3KU	125 DC	0.00 000000	0-2759-F	ISOL TRANSFER DIODE 3ADE

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR 18
 3/17/89

ALTERNATE POWER SOURCE

NORMAL POWER SOURCE

3DCB 125VDC CONTROL POWER
 DISTRIBUTION CENTER
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 796+00 COORD LOC Q-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3DCB 4C 3	BKR		SPARE	125 DC	0.00 000000		
3DCB 4D 3	BKR		SPARE	125 DC	0.00 000000		
3DCB 4EB 3	BKR		SPARE	125 DC	0.00 000000		
3DCB 4ET 3	BKR		SPARE	125 DC	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY

3/17/89
 PAGE 19

NORMAL POWER SOURCE
 3DIA 33

3KVIA
 120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 3KRA 03

BLDG AUX ELEV 811+3 COORD LOC P-88

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 MVA

0-2781
 0-2757-K

1 120 0.00
 000000

NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM 3A

3KVIA
 01
 3

1 120 0.00
 000000

ENGINEERED SAFEGDS INSTRUMENTATION SYSTEM NO. 3A

3KVIA
 02
 3

1 120 0.00
 000000

SPARE

3KVIA
 03
 3

1 120 0.00
 000000

POST DILUTION FLOW SENSOR 3B VLV 3LP104

3KVIA
 04
 3

1 120 0.00
 000000

CONTAINMENT JUMP LEVEL INDICATION TRAIN 'A'

3KVIA
 05
 3

LVL TRANSMITTER 3LT3P
 LVL TRANSMITTER 3LT120
 RECORDER 3CR395

0-2713-F1
 0EE-318-38

REMOTE LOGIC PNL

3KVIA
 06
 3

1 120 1.00
 000000

REACTOR COOLANT PUMP A POWER MONITOR

3KVIA
 07
 3

0-2752-A15
 0EE-352-21

BORON DILUTION VALVE 3LP104 INDICATION

3KVIA
 08
 3

0-2752-A15
 0EE-352-21

BORON DILUTION VLV 3LP104 INDICATION

A
 FUSE
 FUSE
 3XS1-F5E

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89 PAGE 20

NORMAL POWER SOURCE
 3DIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AUX ELEV 811+3

ALTERNATE POWER SOURCE
 3KRA 03

COORD LOC P-88
 VOLTS FLA D/P M/D
 PHASE NOA DEVICE ELEM

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION

3KVIA 09 BKR 1 120 0.00 000000 SPARE

3KVIA 10 FDBKR 1 120 0.00 000000 REACTOR BUILDING EVACUATION ALARM

RELAY CKT
 3KVIA 11 FDBKR 1 120 0.00 000000 ISOLATING TRANSFER DIODE NO. 3ADA

3KVIA 12 FDBKR 1 120 0.00 000000 POWER FOR ICC CAB TRAIN A

3KVIA 13 BKR 1 120 0.00 000000 SPARE

3KVIA 14 FDBKR 1 120 0.00 000000 CONTROL ROD DRIVE CAB SL2 CIRCUIT BREAKER CB2

3KVIA 15 FDBKR 1 120 0.00 000000 PROCESS RADIATION MONITORING UNIT 3

A SLTB CR3 3VB2 1 120 0.00 000000 RADIATION MONITOR 3RIA43

B SLTB CR5 3VB2 1 120 0.00 000000 RADIATION MONITOR 3RIA44

C SLTB CR7 3VB2 1 120 0.00 000000 RADIATION MONITOR 3RIA45

0-2714-I, J AND L
 OEE-360-36

0-2714-L

0-2714-L

0-2714-L

0-2782

0-2713-O
 OEE-355-03

0-2711-D
 OEE-23-3

0EE-23-3

0-2759-F

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89
 PAGE 21

ALTERNATE POWER SOURCE
 3KRA 03

NORMAL POWER SOURCE
 3DIA 33
 120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMS NO F4059
 BLDG AUX ELEV 811+3 COORD LOC P-88

BUS COMPT UNIT	TYPE UNIT DISP PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
D	SLTB CR9 3VB2		RADIATION MONITOR 3RIA46	120	0.00	0-2714-L	
E	SLTB CR11 3VB2		RADIATION MONITOR 3RIA47	120	0.00	0-2714-L	
F	SLTB CR13 3VB2		RADIATION MONITOR 3RIA48	120	0.00	0-2714-L	
G	SLTB CR15 3VB2		RADIATION MONITOR 3RIA49	120	0.00	0-2714-L	
H	SLTB CR17 3VB2		RADIATION MONITOR 3RIA50	120	0.00	0-2714-L	
I	SLTB CR19 3VB2		RADIATION MONITOR 3RIA51	120	0.00	0-2714-L	
J	SLTB CR21 3VB2		RADIATION MONITOR 3RIA52	120	0.00	0-2714-L	
K	SLTB CR23 3VB2		RADIATION MONITOR 3RIA56	120	0.00	0-2714-L	
L	SLTB CR40 3VB2		SIGNAL ISOLATOR INPUT POWER RADIATION MONITOR 3RIA31	120	0.00	0EE-358-24 0-2714-J	
M	SLTB CR42 3VB2		RADIATION MONITOR 3RIA32	120	0.00	0-2714-J	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89
 PAGE 22

NORMAL POWER SOURCE
 3DIA 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 811+3

ALTERNATE POWER SOURCE
 3KRA 03

COORD LOC P-88

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
N	SLTB CR44 3VB2		RADIATION MONITOR 3RIA35	120	0.00 000000	0-2714-J	
O	SLTB CR46 3VB2		RADIATION MONITOR 3RIA36	120	0.00 000000	0-2714-J	
P	SLTB CR48 3VB2		RADIATION MONITOR 3RIA37	120	0.00 000000	0-2714-J	
Q	SLTB CR50 3VB2		RADIATION MONITOR 3RIA38	120	0.00 000000	0-2714-J	
R	SLTB CR52 3VB2		RADIATION MONITOR 3RIA39	120	0.00 000000	0-2714-J	
S	SLTB CR54 3VB2		RADIATION MONITOR 3RIA40	120	0.00 000000	0-2714-J	
T	SLTB CR56 3VB2		RADIATION MONITOR 3RIA41	120	0.00 000000	0-2714-J	
U	SLTB CR58 3VB2		RADIATION MONITOR 3RIA42	120	0.00 000000	0-2714-J	
V	SLTB CR70 3VB2		RAD ACT MONITOR 3RR5	120	0.00 000000	0-2714-J	
W	SLTB CR74 3VB2		RAD ACT MONITOR 3RR3	120	0.00 000000	0-2714-J	
X	SLTB CR76 3VB2		RAD ACT MONITOR 3RR4	120	0.00 000000	0-2714-J	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY

PAGE

3/17/89
 23

NORMAL POWER SOURCE
 3DIA 33

3KVIA
 120 VAC VITAL INSTR
 POWER PANELBOARD

ONE-LINE DMG NO F4059
 BLDG AUX ELEV 811+3

COORD LOC P-88

ALTERNATE POWER SOURCE
 3KRA 03

COMMENTS

D/P 'D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

VOLTS
 PHASE
 FLA
 NOA

1 120 0.00
 000000

LIQUID EFFLUENT
 CNTRLS

Y

FUSE
 CSF1
 3VB2

PWR SUPPLY FOR 3RIA54

RELAY CKT

0-2714-L
 OEE-360-36

0-2714-J

OEE-360-36

BKR

SPARE

1 120 0.00
 000000

3KVIA
 16
 3

BKR

SPARE

1 120 0.00
 000000

3KVIA
 17
 3

BKR

SPARE

1 120 0.00
 000000

3KVIA
 18
 3

BKR

SPARE

1 120 0.00
 000000

3KVIA
 19
 3

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE

4/05/89
 13

NORMAL POWER SOURCE

6900 V SWITCHGEAR

ONE-LINE DIAG NO F4059
 BLDG YD ELEV 796+00 COORD LOC

BUS COPY UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3TA 01 3	FDBKR		INCOMING FEEDER FROM 6900V START- UP BUS	6900 3	0.00 000000	0-2702-A 0EE-317-57	
3TA 03 3	FDBKR		REACTOR COOLANT PUMP MOTOR #3A1	6900 3	670.00 000000	0-2702-A 0EE-317-58	9000 HP MOTOR
3TA 04 3	FDBKR		REACTOR COOLANT PUMP MOTOR #3B1	6900 3	670.00 000000	0-2702-A 0EE-317-59	9000 HP MOTOR
3TA 05 3	FDBKR		INCOMING FEEDER FROM 6900V NORMAL BUS	6900 3	0.00 000000	0-2702-A 0EE-317-60	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

4/05/89
 14

6900 V SWITCHGEAR

ONE-LINE DMG NO F4059
 BLDG YD ELEV 7%+00 COORD LOC

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3TB 06 3	FDBKR		INCOMING FEEDER FROM 6900V NORMAL BUS	6900 3	0.00 000000	0-2702-A CEE-317-62	
3TB 08 3	FDBKR		REACTOR COOLANT PUMP MOTOR #3A2	6900 3	670.00 000000	0-2702-A CEE-317-63	9000 HP MOTOR
3TB 09 3	FDBKR		REACTOR COOLANT PUMP MOTOR #3B2	6900 3	670.00 000000	0-2702-A CEE-317-64	9000 HP MOTOR
3TB 10 3	FDBKR		INCOMING FEEDER FROM 6900V START-- UP BUS	6900 3	0.00 000000	0-2702-A CEE-317-65	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 3TC
 4160 V SWITCHGEAR

SAFETY CLASS 1E
 SAFETY COLOR
 ALTERNATE POWER SOURCE

4/05/89
 PAGE 10

NORMAL POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC L-43

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3TC 11 3	FDBKR	LP SERVICE WATER PUMP MOTOR #3A	4160 3	75.50 000000	0-2702 OEE-317-22	600 HP MOTOR
3TC 12 3	FDBKR	RB LEAK RATE AIR COMPRESSOR MOTOR #A	4160 3	52.00 000000	0-2702 OEE-317-23	400 HP MOTOR
3TC 13 3	FDBKR	FEEDER FOR 600V TRANSFORMER #3X8	4160 3	0.00 000000	0-2702 OEE-317-24	1000KVA TRANSFORMER
3TC 14 3	FDBKR	INCOMING FEEDER FROM 4160V SWGR #B2T BKR #7	4160 3	0.00 000000	0-2702 OEE-317-25	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR

4/05/89
 11

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

ONE-LINE DMG NO F4059
 BLDG TB ELEV 796+06 COORD LOC I-44

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	WOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3TD 0 3	FDBKR	MOTOR DRIVEN EMERG FEEDWATER PUMP MTR #3A	4160 3	75.00 000000	0-2702 CEE-317-66	600 HP MOTOR
3TD 01 3	FDBKR	INCOMING FEEDER FROM 4160V SMGR #BIT BKR #7	4160 3	0.00 000000	0-2702 CEE-317-26	
3TD 02 3	FDBKR	FEEDER FOR 600V TRANSFORMER #3X2	4160 3	0.00 000000	0-2702 CEE-317-27	1500KVA TRANSFORMER
3TD 03 3	FDBKR	FEEDER FOR 600V TRANSFORMER #3X5	4160 3	0.00 000000	0-2702 CEE-317-28	1500KVA TRANSFORMER
3TD 04 3	FDBKR	CONDENSER CIRC WATER PUMP MOTOR #3B	4160 3	312.00 000000	0-2702 CEE-317-29	1750 HP MOTOR
3TD 05 3	FDBKR	CONDENSATE BOOSTER PUMP MOTOR #3B	4160 3	246.00 000000	0-2702 CEE-317-30	2000 HP MOTOR
3TD 06 3	FDBKR	HOTWELL PUMP MOTOR #3B	4160 3	126.00 000000	0-2702 CEE-317-31	1000 HP MOTOR
3TD 07 3	FDBKR	'302' HEATER DRAIN TANK PUMP MOTOR	4160 3	243.00 000000	0-2702 CEE-317-32	2000 HP MOTOR
3TD 08 3	FDBKR	'3E2' HEATER DRAIN TANK PUMP MOTOR	4160 3	38.10 000000	0-2702 CEE-317-33	300 HP MOTOR
3TD 09 3	FDBKR	HP INJECTION PUMP MOTOR #3C	4160 3	74.00 000000	0-2702 CEE-317-34	600 HP MOTOR
3TD 10 3	FDBKR	LP INJECTION PUMP MOTOR #3B	4160 3	52.20 000000	0-2702 CEE-317-35	400 HP MOTOR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 31D

SAFETY CLASS 1E
 SAFETY COLOR
 4/05/89
 PAGE 12

ALTERNATE POWER SOURCE

NORMAL POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 7%+06 COORD LOC L-44

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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31D 11 3	FDBKR		REACTOR BLDG SPRAY PUMP MOTOR #3B	4160 3	32.00 000000	0-2702 CEE-317-36	250 HP MOTOR
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31D 12 3	FDBKR		LP SERVICE WATER PUMP MOTOR #3B	4160 3	75.50 000000	0-2702 CEE-317-37	600 HP MOTOR
----------------	-------	--	------------------------------------	-----------	-----------------	----------------------	--------------

31D 13 3	FDBKR		FEEDER FOR 600V TRANSFORMER #3X9	4160 3	0.00 000000	0-2702 CEE-317-58	1500KVA TRANSFORMER
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31D 14 3	FDBKR		INCOMING FEEDER FROM 4160V SMGR #B2T BKR #7	4160 3	0.00 000000	0-2702 CEE-317-39	
----------------	-------	--	---	-----------	----------------	----------------------	--

31D 15 3			SPARE	4160 3	0.00 000000	0-2702	
----------------	--	--	-------	-----------	----------------	--------	--

31D 16 3			SPARE	4160 3	0.00 000000	0-2702	
----------------	--	--	-------	-----------	----------------	--------	--

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 4160 V SWITCHGEAR

SAFETY CLASS IE
 SAFETY COLOR
 4/05/89
 13

ALTERNATE POWER SOURCE

NORMAL POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+G6 COORD LOC L-45

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	YOLTS PHASE	FLA NOA	D/P M/D D/P ELEH DEVICE ELEM	COMMENTS
3TE 0 3	FDBKR		MOTOR DRIVEN EMERG FEEDWATER PUMP MTR #38	4160 3	75.00 000000	0-2702 OEE-317-67	600 HP MOTOR
3TE 01 3	FDBKR		INCOMING FEEDER FROM 4160V SMGR #BIT BKR #7	4160 3	0.00 000000	0-2702 OEE-317-40	
3TE 02 3	FDBKR		FEEDER FOR 600V TRANSFORMER #3X3	4160 3	0.00 000000	0-2702 OEE-317-41	1500KVA TRANSFORMER
3TE 03 3	FDBKR		FEEDER FOR 600V TRANSFORMER #3X6	4160 3	0.00 000000	0-2702 OEE-317-42	1500KVA TRANSFORMER
3TE 04 3	FDBKR		CONDENSER CIRC WATER PUMP MOTOR #3C	4160 3	312.00 000000	0-2702 OEE-317-43	1750 HP MOTOR
3TE 05 3	FDBKR		CONDENSATE BOOSTER PUMP MOTOR #3C	4160 3	246.00 000000	0-2702 OEE-317-44	2000 HP MOTOR
3TE 06 3	FDBKR		HOTWELL PUMP MOTOR #3C	4160 3	126.00 000000	0-2702 OEE-317-45	1000 HP MOTOR
3TE 07 3	FDBKR		'3D1' HEATER DRAIN TANK PUMP MOTOR	4160 3	243.00 000000	0-2702 OEE-317-46	2000 HP MOTOR
3TE 08 3	FDBKR		'3E1' HEATER DRAIN TANK PUMP MOTOR	4160 3	38.10 000000	0-2702 OEE-317-47	300 HP MOTOR
3TE 09 3	FDBKR		HP INJECTION PUMP MOTOR #3B	4160 3	74.00 000000	0-2702 OEE-317-48	600 HP MOTOR
3TE 10 3	FDBKR		LP INJECTION PUMP MOTOR #3C	4160 3	52.20 000000	0-2702 OEE-317-49	400 HP MOTOR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR

4/05/89
 PAGE 14

NORMAL POWER SOURCE

ALTERNATE POWER SOURCE

ONE-LINE DIAG NO F4059
 BLDG TB ELEV 796+06 COORD LOC L-45

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
31E 11 3	FDBKR	UNIT 3 CASK DECON- TAMINATION PUMP MOTOR	4160 3	33.00 000000	0-2702 OEE-317-50	250 HP MOTOR
31E 12 3	FDBKR	FEEDER FOR 600V TRANSFORMER #3X10	4160 3	0.00 000000	0-2702 OEE-317-51	300KVA TRANSFORMER
31E 13 3	FDBKR	FEEDER FOR 600V TRANSFORMER #2RW	4160 3	0.00 000000	0-2702 OEE-317-52	1500KVA TRANSFORMER
31E 14 3	FDBKR	INCOMING FEEDER FROM 4160V SMGR #B2T BKR #7	4160 3	0.00 000000	0-2702 OEE-317-53	

LIST NUMBER 08A
PLANT CODE = CCN
FILE ID = A6

DUKE POWER COMPANY
OCOONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

30IA	125 VDC INSTRUMENTATION POWER PANELBOARD
30IB	125 VDC INSTRUMENTATION POWER PANELBOARD
3KVIB	120 VAC VITAL INSTR POWER PANELBOARD
3KVIC	120 VAC VITAL INSTR POWER PANELBOARD
3KVID	120 VAC VITAL INSTR POWER PANELBOARD

LIST NUMBER 084
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY

3/17/89
 PAGE 1

NORMAL POWER SOURCE
 3DCA 3C

3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD

ALTERNATE POWER SOURCE
 1DCA 3C

ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

COORD LOC P-88

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA D/P M/D COMMENTS
 D/P ELEM DEVICE ELEM

3DIA BKR 125 0.00
 01 DC 000000 SPARE
 3

3DIA FDBKR 125 0.22
 02 DC 000000 KEONEE-EMERGENCY
 3 STARTUP CHANNEL A
 O-2753-N
 OEE-320

RELAY CKT
 3DIA FDBKR 125 0.00
 03 DC 000000 600V LOAD CENTER
 3 O-2754-C
 OEE-316-5

A PNLBKR 125 0.00
 RE 3X8 DC 000000 600 V LOAD CENTER
 O-2303-34
 OEE-316-5

B FUSE 125 0.00
 RA 3X8 DC 000000 RELAY 27X CKT
 O-2303-34
 OEE-316-5

C FUSE 125 0.00
 RB 3X8 DC 000000 RELAY 27X1 & 27X2
 CKT
 O-2303-34
 OEE-316-5

D FUSE 125 0.00
 RC 3X8 DC 000000 RELAY 27X3 & 27X4
 CKT
 O-2303-34
 OEE-316-5

E POFB 125 0.00
 4EA 3X8 DC 000000 CLOSE AND TRIP CKT
 FOR BKR 4A
 O-2303-34
 OEE-316-6

F FUSE 125 0.00
 4EB 3X8 DC 000000 CLOSING CKT FOR
 BKR 4A
 O-2303-34
 OEE-316-6

G POFB 125 0.00
 4EE 3X8 DC 000000 CLOSE AND TRIP CKT
 FOR BKR 4C
 O-2303-34
 OEE-316-6

PULL OFF FUSE BLOCK
 SLUGGED

PULL OFF FUSE BLOCK
 SLUGGED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY PAGE 3/17/89 2

NORMAL POWER SOURCE 3DCA 3C
 ALTERNATE POWER SOURCE IDCA 3C
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG 1/0 F4059
 3DIA
 BLDG AUX ELEV 809 COORD LOC P-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
H	FUSE 4EF 3X8		CLOSING CKT FOR BKR 4C	125 DC	0.00 000000	OM-2303-34 OEE-316-6	
I	POFB 4EG 3X8		CLOSE AND TRIP CKT FOR BKR 4D	125 DC	0.00 000000	OM-2303-34 OEE-316-6	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
J	FUSE 4EH 3X8		CLOSING CKT FOR BKR 4D	125 DC	0.00 000000	OM-2303-34 OEE-316-6	BREAKER REMOVED
K	POFB 5EA 3X8		CLOSE AND TRIP CKT FOR BKR 5A	125 DC	0.00 000000	OM-2303-34 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED
L	FUSE 5EB 3X8		CLOSING CKT FOR BKR 5A	125 DC	0.00 000000	OM-2303-34 OEE-316-7	
M	POFB 5EC 3X8		CLOSE AND TRIP CKT FOR BKR 5B	125 DC	0.00 000000	OM-2303-34 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED
N	FUSE 5ED 3X8		CLOSING CKT FOR BKR 5B	125 DC	0.00 000000	OM-2303-34 OEE-316-7	
O	POFB 5EF 3X8		CLOSE AND TRIP CKT FOR BKR 5C	125 DC	0.00 000000	OM-2303-34 OM-2303-19	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
P	FUSE 5EF 3X8		CLOSING CKT FOR BKR 5C	125 DC	0.00 000000	OM-2303-34 OM-2303-19	BREAKER REMOVED
Q	POFB 5EG 3X8		CLOSE AND TRIP CKT FOR BKR 5D	125 DC	0.00 000000	OM-2303-34 OM-2303-19	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
R	FUSE 5EH 3X8		CLOSING CKT FOR BKR 5D	125 DC	0.00 000000	OM-2303-34 OM-2303-19	BREAKER REMOVED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY

ALTERNATE POWER SOURCE
 10CA 3C

3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4057
 BLDG AUX ELEV 809

NORMAL POWER SOURCE
 3DCA 3C

3/17/89
 PAGE 3

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVI DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
S	POFB 6EA 3XB	CLOSE AND TRIP CKT FOR BKR 6A	125 DC	0.00 000000	OM-2303-34 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED	
T	FUSE 6EB 3XB	CLOSING CKT FOR BKR 6A	125 DC	0.00 000000	OM-2303-34 OEE-316-7		
U	POFB 6EC 3XB	CLOSE AND TRIP CKT FOR BKR 6B	125 DC	0.00 000000	OM-2303-34 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED	
V	FUSE 6ED 3XB	CLOSING CKT FOR BKR 6B	125 DC	0.00 000000	OM-2303-34 OEE-316-7	BREAKER REMOVED	
W	POFB 6EE 3XB	CLOSE AND TRIP CKT FOR BKR 6C	125 DC	0.00 000000	OM-2303-34 OM-2303-19	PULL OFF FUSE BLOCK SLUGGED	
X	FUSE 6EF 3XB	CLOSING CKT FOR BKR 6C	125 DC	0.00 000000	OM-2303-34 OM-2303-19		
Y	POFB 6EG 3XB	CLOSE AND TRIP CKT FOR BKR 6D	125 DC	0.00 000000	OM-2303-34 OM-2303-19	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED	
Z	FUSE 6EH 3XB	CLOSING CKT FOR BKR 6D	125 DC	0.00 000000	OM-2303-34 OM-2303-19	BREAKER REMOVED	

3DIA 04 3		SPARE	125 DC	0.00 000000			

3DIA 05 3	FDBKR	MAIN FEEDER BUS MONITOR U V LOGIC CH 3	125 DC	0.32 000000	0-2777 OEE-317-1S		
A	SLTB 3M1AP 3MFBMRP	MAIN FEEDER BUS UV LOGIC CH 3	125 DC	0.00 000000	0-2777 OEE-317-1S		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89 4

NORMAL POWER SOURCE
 3DCA 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 IDCA 3C

BUS COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA NDA D/P M/D D/P ELEM DEVICE ELEM COMMENTS

RELAY CKT

OEE-317-1S

30IA 06 3 FDBKR TURBINE CONTROLS MISC ALARMS 125 DC 0.36 000000 0-2771 OEE-321-40
 A SLTB 3EHCP 3EHTC1 TURBINE CONTROLS MISC ALARMS 125 DC 0.00 000000 0-2771 OEE-321-40 & 44

RELAY CKT

OEE-321-40 & 44

30IA 07 3 FDBKR ELECTRO-HYDRAULIC CONTROL CABINET 125 DC 0.00 000000 0-2771-A OEE-321-5
 A SWITCH S2 EHC TURBINE CONTROLS AUX TRIP CKT 125 DC 0.00 000000 0-2771-A OEE-321-5 TO 7

30IA 08 3 FDBKR LOCKOUT FOR TRANSFORMER CT3 (3EB1) 125 DC 0.00 000000 0-2715-A OEE-71-2
 A SLTB B27 3EB1 LOCKOUT FOR XFMR CT3 125 DC 0.00 000000 0-2715-A OEE-71-2

RELAY CKT

OEE-71-2

30IA 09 3 FDBKR OTSI EMERG PMR SWITCHING LOGIC INTERPOSING RELAY 125 DC 0.11 000000 0-2753-C OEE-117-92-0C

30IA 10 3 FDBKR AUTO-SYNCRONIZER DC (3EB5) 125 DC 0.00 000000 0-2715-E OEE-312-2
 A SLTB C4 3EB5 AUTO SYNC DC CKTS 125 DC 0.00 000000 0-2715-E OEE-312-2

LIST NUMBER 08A
 PLANT CODE = OCH
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR GRAY
 3/17/89 PAGE 5

NORMAL POWER SOURCE
 3DCA 3C

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 1DCA 3C

COORD LOC P-88

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NOA

RELAY CKT

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

0EE-312-2

0-2715-E

0-2782-L
 0EE-359-01

0EE-339-01
 0EE-359-01

0-2753-A
 0EE-317-1B

0-2753-A
 0EE-317-1B

0EE-317-1B

0-2753-F
 0EE-317-1E

0-2753-F
 0EE-317-1E

0EE-317-1E

0-2753-C
 0EE-317-1H

0EE-317-1H

125 0.00
 DC 000000

125 0.00
 DC 000000

125 0.63
 DC 000000

125 0.00
 DC 000000

125 0.84
 DC 000000

125 0.00
 DC 000000

125 1.80
 DC 000000

125 0.00
 DC 000000

TEST CIRCUIT
 DC (3EB5)

CRD AC BKR TRIP

UNIT 10 SHUT TRIP

RELAY CKT (LOSS OF PWR)

NORMAL UNDERVOLT-
 AGE TRANSFER
 CHANNEL A

NORM UV TRANSFER

RELAY CKT

STARTUP UNDERVOLT-
 AGE TRANSFER
 CHANNEL A

START-UP UV
 TRANSFER CH A

RELAY CKT

LOAD SHEDDING
 CHANNEL A

RELAY CKT

SPARE

3DIA
 11
 3

FDBKR

3DIA
 12
 3

FDBKR

3DIA
 13
 3

FDBKR

A

SLTB
 SNAP
 3EPSLPI

3DIA
 14
 3

FDBKR

A

SLTB
 SEAP
 3EPSLPI

3DIA
 15
 3

FDBKR

3DIA
 16
 3

BKR

LIS. NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 PAGE 3/17/89 6

ALTERNATE POWER SOURCE
 IDCA 3C

NORMAL POWER SOURCE
 3DCA 3C

3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

COORD LOC P-88

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

VOLTS
 PHASE
 FLA
 NOA

125 0.00
 DC 000000

SPARE

0-2751-H
 OEE-317-61 T0 65A

125 0.00
 DC 000000

6900V SWITCHGEAR
 3TB (TRIP)

0-2766-B
 OEE-336-1 THRU 3

125 1.31
 DC 000000

CONDENSOR CIRCULAT
 -ING WATER & VAC-
 UUM PRIMING 3MTC1

RELAY CKT

OEE-336-1 T0 3

0-2766-C
 OEE-345-A

125 2.43
 DC 000000

CONDENSATE DC
 INTERLOCKS

RELAY CKT

OEE-345-A T0 C

125 0.00
 DC 000000

SPARE

0-2762
 OEE-333

125 3.00
 DC 000000

TRANSFORMER T3X,
 T3Y, T3Z, T3S, 3T &
 CT3 MALSIFYRE

0-2762
 OEE-333

125 0.00
 DC 000000

XFMRs T3Z, T3Y, T3X,
 T3S, 3T, AND CT3
 MALSIFYRE

OEE-333

S0L VLV 3SV159

OEE-333

S0L VLV 3SV160

OEE-333

S0L VLV 3SV161

OEE-333

S0L VLV 3SV162

OEE-333

S0L VLV 3SV163

F0BKR

SLTB
 P
 T02172

3DIA
 22
 5

3DIA
 21
 5

3DIA
 20
 3

3DIA
 19
 3

3DIA
 18
 3

3DIA
 17
 3

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P Ū M E R C Ō M P A N Y
 OCNEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IF GRAY PAGE 3/17/89 7
 SAFETY COLOR GRAY

NORMAL POWER SOURCE
 3DCA 3C

ALTERNATE POWER SOURCE
 10CA 3C

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

BLDG AUX ELEV 809
 ONE-LINE DIAG NO F4059
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 3DIA

BUS
 COMPT
 UNIT

COORD LOC P-88
 VOLTS FLA
 PHASE NOA

D/P M/D
 D/P CLEM
 DEVICE ELEM

COMMENTS

SOL VLV 3SV166

OEE-333

BUS	COMPT	UNIT	BKR	FDBKR	RELAY CKT	STATE	DC	FLA	NOA	D/P M/D	D/P CLEM	DEVICE ELEM	COMMENTS
3DIA	23	3				SPARE	125	0.00					
3DIA	24	3			CRD A, BKR TRIP		125	0.00					
3DIA	25	3			4160V SWITCHGEAR 3TC (CLOSE-TRIP)		125	0.00					
A					4 KV SWITCHGEAR 3TC CLOSE-TRIP		125	0.00					
B					4 KV SWITCHGEAR 3TC CLOSE-TRIP		125	10.00					
C					4KV SMGR CLOSE-TRIP UNIT 1 4 KV SWITCHGEAR 3TC CLOSE-TRIP		125	10.00					
D					4KV SMGR CLOSE-TRIP UNIT 2 SMGR 3TC LOAD SHED		125	0.21					
E					RELAY CKT 4 KV SWITCHGEAR 3TC CLOSE-TRIP		125	10.00					

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

DUKE POWER COMPANY
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 IDCA 5C

3/17/89
 PAGE 8

NORMAL POWER SOURCE
 3DCA 3C

3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

BLDG AUX ELEV 809
 COORD LOC P-88

BUS COMPT UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE
 FLA
 NGA

D/P W/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

F	FUSE AY 3TC4	4KV SMGR CLOSE-TRIP UNIT 3 4 KV SWITCHGEAR 3TC CLOSE-TRIP	DC 125 10.00 0000000	0EE-317-14 OM-302-496 0EE-317-15
G	FUSE AY 3TC5	4KV SMGR CLOSE-TRIP UNIT 4 4 KV SWITCHGEAR 3TC CLOSE-TRIP	DC 125 10.00 0000000	0EE-317-15 OM-302-496 0EE-317-16
H	FUSE AY 3TC6	4KV SMGR CLOSE-TRIP UNIT 5 4 KV SWITCHGEAR 3TC CLOSE-TRIP	DC 125 10.00 0000000	0EE-317-16 OM-302-496 0EE-317-17
I	FUSE AY 3TC7	4KV SMGR CLOSE-TRIP UNIT 6 4 KV SWITCHGEAR 3TC CLOSE-TRIP	DC 125 10.00 0000000	0EE-317-17 OM-302-495 0EE-317-18
J	FUSE AY 3TC8	4KV SMGR CLOSE-TRIP UNIT 7 4 KV SWITCHGEAR 3TC CLOSE-TRIP	DC 125 10.00 0000000	0EE-317-18 OM-302-493 0EE-317-19
K	FUSE AY 3TC9	4KV SMGR CLOSE-TRIP UNIT 8 4 KV SWITCHGEAR 3TC CLOSE-TRIP	DC 125 10.00 0000000	0EE-317-19 OM-302-493 0EE-317-20
L	FUSE AY 3TC10	4KV SMGR CLOSE-TRIP UNIT 9 4 KV SWITCHGEAR 3TC CLOSE-TRIP	DC 125 10.00 0000000	0EE-317-20 OM-302-493 0EE-317-21

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

SAFETY CLASS IE
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 10CA 5C

3/17/89
 PAGE 9

NORMAL POWER SOURCE
 3DCA 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
M	FUSE AY 3TC11	4KV SWGR CLOSE-TRIP UNIT 10	4 KV SWITCHGEAR 3TC CLOSE-TRIP	125 DC	10.00 000000	0EE-317-21 OM-302-466 0EE-317-22	
N	FUSE AY 3TC12	4KV SWGR CLOSE-TRIP UNIT 11	4 KV SWITCHGEAR 3TC CLOSE-TRIP	125 DC	10.00 000000	0EE-317-22 OM-302-91 S'IT 2 0EE-317-23	
O	FUSE AY 3TC13	4KV SWGR CLOSE-TRIP UNIT 12	4 KV SWITCHGEAR 3TC CLOSE-TRIP	125 DC	10.00 000000	0EE-317-23 OM-302-488 0EE-317-24	
P	FUSE AY 3TC14	4KV SWGR CLOSE-TRIP UNIT 13	4 KV SWITCHGEAR 3TC CLOSE-TRIP	125 DC	10.00 000000	0EE-317-24 OM-302-494 0EE-317-25	
		4KV SWGR CLOSE-TRIP UNIT 14				0EE-317-25	
3DIA 26 3	FDBKR	4160V SWITCHGEAR 3BIT (1-5) (CLOSE-TRIP)		125 DC	0.00 000000	0-2751-K 0EE-317-2A	
A	PNLBKR LE 3B1T1	4 KV SWITCHGEAR 3BIT CLOSE-TRIP		125 DC	0.00 000000	0-2751-K 0EE-317-2A	
B	FUSE AW 3B1T1	4 KV SWITCHGEAR 3BIT CLOSE-TRIP		125 DC	10.00 000000	OM-302-505 0EE-317-2A	
C	FUSE AN 3B1T2	4KV SWGR CLOSE-TRIP UNIT 1	BUS 1 L O RELAY AND BACK-UP TRIP RELAY	125 DC	0.00 000000	0EE-317-2A OM-302-502 0EE-317-2A	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89
 PAGE 10

ALTERNATE POWER SOURCE
 IOCA 3C

NORMAL POWER SOURCE
 30CA 3C
 3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

COORD LOC P-88

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

VOLTS FLA
 PHASE NGA

SPARE UNIT

RELAY CKT

RELAY CKT

RELAY CKT

RELAY CKT

0 FUSE AW 3B1T4 4 KV SWITCHGEAR 3B1T CLOSE-TRIP 125 0.00 000000 OEE-317-4A

E FUSE AW 3B1T5 4 KV SWITCHGEAR 3B1T CLOSE-TRIP 125 10.00 000000 OEE-317-5A

4KV SMGR CLOSE-TRIP UNIT 5 OEE-317-5A

3DIA 27 3 FDRKR STANDBY BUS 1 UNDERVOLTAGE PHASE A 125 0.53 000000 O-2753-H OEE-317-1J

A SLTB 3SB2CP 3EPSLP2 STAND-BY BUS 1 UNDERVOLTAGE PH A 125 0.00 000000 O-2753-H OEE-317-1J

RELAY CKT OEE-317-1J

3DIA 28 3 FDBKR STANDBY BUS 2 UNDERVOLTAGE PHASE C 125 0.53 000000 O-2753-J OEE-317-1P

A SLTB 3SB2CP 3EPSLP2 STAND-BY BUS 2 UNDERVOLTAGE PH C 125 0.00 000000 O-2753-J OEE-317-1P

RELAY CKT OEE-317-1P

3DIA 29 3 FDBKR MISC TERM CAB 3MTC4 125 0.10 000000 O-2766-E OEE-355-01

A FUSE DS 3MTC4 RCP RUNNING RELAY CKT 125 0.10 000000 O-2766-E OEE-355-01

RELAY CKT OEE-317-1P

3DIA 30 3 FDBKR PLANT ANNUNCIATOR SYSTEM & 3SA5 125 0.00 000000 O-2766-C

LIST NUMBER 06A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 IDCA 3C

3/17/89
 11

NORMAL POWER SOURCE
 3DCA 3C

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION D/P M/D D/P ELEM D/P ELEM COMMENTS
 DIST PT D/P LOC

WASTE DISPOSAL SYS ALARM RELAY CKT

0EE-360-33

3DIA FDBKR 6900V SWITCHGEAR 125 0.00 0-2751-G
 31 3TA (1-5) DC 000000 0EE-317-57A TO 60A
 3 (CLOSE-TRIP UNIT 1)

3DIA FDBKR 4160V SWITCHGEAR 125 0.00 0-2751-D
 32 3TD (TRIP) DC 000000 0EE-317-26 TO 39
 3

A PNLBKR 4 KV SWITCHGEAR 125 0.00 0-2751-D
 LE 3TD14 DC 000000 0EE-317-39

B FUSE 4 KV SWITCHGEAR 125 6.70 OM-302-494
 LC 3TD14 DC 000000 0EE-317-39

C FUSE 4KV SWGR TRIP UNIT 14 0EE-317-39
 LC 3TD1 4 KV SWITCHGEAR OM-302-504
 3TD1 DC 6.70 0EE-317-26

D FUSE 4KV SWGR TRIP UNIT 1 0EE-317-26
 LC 3TD2 4 KV SWITCHGEAR OM-302-85
 3TD2 DC 6.70 0EE-317-27

E FUSE 4KV SWGR TRIP UNIT 2 0EE-317-27
 LC 3TD3 4 KV SWITCHGEAR OM-302-86 SHT 1
 3TD3 DC 6.70 0EE-317-28

F FUSE 4KV SWGR TRIP UNIT 3 0EE-317-28
 LC 3TD4 4 KV SWITCHGEAR OM-302-496
 3TD4 DC 6.70 0EE-317-29

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 809

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 ALTERNATE POWER SOURCE
 IDCA 3C

3/17/89
 12
 PAGE

NORMAL POWER SOURCE
 3DCA 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
G	FUSE LC 3TD5	4KV SMGR TRIP UNIT 4	4 KV SWITCHGEAR 3TD TRIP	125 DC	6.70 000000	0EE-317-29 OM-302-496 0EE-317-30	
H	FUSE LC 3TD6	4KV SMGR TRIP UNIT 5	4 KV SWITCHGEAR 3TD TRIP	125 DC	6.70 000000	0EE-317-30 OM-302-496 0EE-317-31	
I	FUSE LC 3TD7	4KV SMGR TRIP UNIT 6	4 KV SWITCHGEAR 3TD TRIP	125 DC	6.70 000000	0EE-317-31 OM-302-495 0EE-317-32	
J	FUSE LC 3TD8	4KV SMGR TRIP UNIT 7	4 KV SWITCHGEAR 3TD TRIP	125 DC	6.70 000000	0EE-317-32 OM-302-496 0EE-317-33	
K	FUSE LC 3TD9	4KV SMGR TRIP UNIT 8	4 KV SWITCHGEAR 3TD TRIP	125 DC	0.00 000000	0EE-317-33 OM-302-493 0EE-317-34	NOT USED
L	FUSE LC 3TD10	4KV SMGR TRIP UNIT 8	4 KV SWITCHGEAR 3TD TRIP	125 DC	0.00 000000	OM-302-493 0EE-317-35	NOT USED
M	FUSE LC 3TD11	4KV SMGR TRIP UNIT 8	4 KV SWITCHGEAR 3TD TRIP	125 DC	0.00 000000	OM-302-493 0EE-317-36	NOT USED
N	FUSE LC 3TD12	4KV SMGR TRIP UNIT 8	4 KV SWITCHGEAR 3TD TRIP	125 DC	0.00 000000	OM-302-466 0EE-317-37	NOT USED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR GRAY
 3/17/89
 PAGE 13

NORMAL POWER SOURCE
 3DCA 3C

3DIA
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 IDCA 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS FLA NOA	PHASE	COORD LOC P-88	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
0	FUSE LC 3TD13	LOAD SHED RELAY	125	DC	0.21 000000	OM-302-488 OEE-317-38	

9.3 KVA STATIC
 INVERTER 3DIA

125 DC
 0.00
 000000

0-2705

3DIA
 33
 3

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 14

NORMAL POWER SOURCE
 3DCA 3D

3DIB
 125 VLV INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 1DCB 5C

BLDG AUX ELEV 809

COMMENTS

BUS COMPT UNIT	FDBKR	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM
30IB 01 3				EFMT-FMT 3A & 3B, MAIN TURBINE MULTISFYRE	125 DC	2.00 000000	0-2714-R 0EE-333-1
			CJL VLV 3SV154				0EE-333-1
			S0L VLV 3SV155				0EE-333-1
			S0L VLV 3SV156				0EE-333-1
			S0L VLV 3SV157				0EE-333-1
			S0L VLV 3SV158				0EE-333-1
			TURB BLDG EXHAUST FAN CNTRL RELAY CKT				0EE-333-1
30IB 02 3	FDBKR			KEONEE EMERGENCY STARTUP CHANNEL B	125 DC	0.22 000000	0-2753-N 0EE-320-1
				RELAY CKT			0EE-320-1
30IB 03 3	FDBKR			TURBINE MISC CONTROL	125 DC	0.00 000000	0-2772-D 0EE-321-41
				TURB CNTRL MISC RELAY CKT			0EE-321-41 THRU 43
				EMERG FMPT MISC RELAY CKT			0EE-347-2 AND 6
30IB 04 3	BKR			SPARE	125 DC	0.00 000000	
30IB 05 3	FDBKR			MAIN FEEDER BUS MONITOR U V LOGIC CH B	125 DC	0.00 000000	0-2777 0EE-317-1S
A	SLTB 3MIBP 3MFBMRP			MAIN FEEDER BUS MONITOR U V LOGIC CH B	125 DC	0.21 000000	0-2777 0EE-317-1S

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 15

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 10CB 5C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3DIB 06 3	FDBKR		UNIT 3 ANNUNCIATOR REFLASH MODULE VERTICAL BD 3VB3	125 DC	0.00 000000	0-2714-I	
3DIB 07 3	FDBKR		UNIT 3 MAIN RELAYING (3EB4)	125 DC	0.00 000000	0-2715-D OEE-311	
A	FUSE FUSE 3EB4		UNIT 3 MAIN RELAYING	125 DC	0.00 000000	0-2715-D OEE-311 THRU 311-6	
RELAY CKT							
3DIB 08 3	BKR		SPARE	125 DC	0.00 000000	0EE-311 THRU 311-6	
3DIB 09 3	FDBKR		STANDBY BUS 1 UNDERVOLTAGE PHASE B	125 DC	0.53 000000	0-2753-H OEE-317-1K	
A	SLTB 3SB1BP 3EPSLP2		STAND-BY BUS 1 U V PH B	125 DC	0.53 000000	0-2753-H OEE-317-1K	
RELAY CKT							
3DIB 10 3	FDBKR		EEDWP DISCH TO STM GEN 5A CNTRL VLV FDM315	125 DC	0.85 000000	0-2751-D OEE-345-66	
SOL VLV 3SV204							
3DIB 11 3	FDBKR		NORMAL UNDERVOLT- AGE TRANSFER CHANNEL B	125 DC	0.63 000000	0-2753-A OEE-317-1C	
A	SLTB 3NBP 3EPSLP1		NORM UNDERVOLTAGE TRASNFER CH B	125 DC	0.63 000000	0-2753-A OEE-317-1C	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 16

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE
 IDCB 3C

30IB 12 3
 30IB 13 3
 30IB 14 3
 30IB 15 3

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P W/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

RELAY CKT

30IB 12 3 FDBKR STARTUP UNDERVOLT-
 AGE TRANSFER
 CHANNEL B
 DC 125 0.84
 000000
 OEE-317-1F

A SLTB START-UP U V
 3EBP TRANSFER CH B
 3EPSLPI
 DC 125 0.84
 000000
 OEE-317-1F

RELAY CKT

30IB 13 3 FDBKR LOAD SHEDDING
 CHANNEL B
 DC 125 1.80
 000000
 OEE-317-1I

A SLTB LOAD SHED
 3SBP
 3EPSLPI
 DC 125 1.80
 000000
 OEE-317-1I

RELAY CKT

30IB 14 3 FDBKR CRD PRI TRIP BKR
 ASSY UNIT 11
 DC 125 0.00
 000000
 OEE-319-02

RELAY CKT

30IB 15 3 FDBKR 4160V SWITCHGEAR
 3TC (TRIP)
 DC 125 0.00
 000000
 OEE-317-12 T0 25

A PNLBKR 4 KV SWITCHGEAR
 LE 3TC TRIP
 3TC14
 DC 125 0.00
 000000
 OEE-317-25

B FUSE 4 KV SWITCHGEAR
 LC 3TC TRIP
 3TC14
 DC 125 6.70
 000000
 OM-302-494
 OEE-317-25

RELAY CKT

4KV SWITCHGEAR TRIP UNIT 14
 OEE-317-25

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 3/17/89
 PAGE 17

NORMAL POWER SOURCE
 30CA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 1DCB 5C

BUS COMP UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
C	FUSE LC 3TC1	4KV SWITCHGEAR 3TC TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OM-302-504 OEE-317-12	
D	FUSE LC 3TC2	4KV SWITCHGEAR TRIP UNIT 1 4 KV SWITCHGEAR 3TC TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OEE-317-12 OM-302-85 OEE-317-13	
E	FUSE LC 3TC3	4KV SWITCHGEAR TRIP UNIT 2 4 KV SWITCHGEAR 3TC TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OEE-317-13 OM-302-87 SHT 1 OEE-317-14	
F	FUSE LC 3TC4	4KV SWITCHGEAR TRIP UNIT 3 4 KV SWITCHGEAR 3TC TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OEE-317-14 OM-302-496 OEE-317-15	
G	FUSE LC 3TC5	4KV SWITCHGEAR TRIP UNIT 4 4 KV SWITCHGEAR 3TC TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OEE-317-15 OM-302-496 OEE-317-16	
H	FUSE LC 3TC6	4KV SWITCHGEAR TRIP UNIT 5 4 KV SWITCHGEAR 3TC TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OEE-317-16 OM-302-496 OEE-317-17	
I	FUSE LC 3TC7	4KV SWITCHGEAR TRIP UNIT 6 4 KV SWITCHGEAR 3TC TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OEE-317-17 OM-302-495 OEE-317-18	
		4KV SWITCHGEAR TRIP UNIT 7	4KV SWITCHGEAR TRIP UNIT 7			OEE-317-18	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 18

NORMAL POWER SOURCE
 30CA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 1DCB 5C

COORD LOC P-89

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA N/A	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
J	FUSE LC 3TC8	4 KV SWITCHGEAR 3TE TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	0.00 000000	OM-302-493 OEE-317-19	NOT USED
K	FUSE LC 3TC9	4 KV SWITCHGEAR 3TE TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	0.00 000000	OM-302-493 OEE-317-20	NOT USED
L	FUSE LC 3TC10	4 KV SWITCHGEAR 3TE TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	0.00 000000	OM-302-493 OEE-317-21	NOT USED
M	FUSE LC 3TC11	4 K V SWITCHGEAR 3TC TRIP	4 K V SWITCHGEAR 3TC TRIP	125 DC	0.00 000000	OM-302-466 OEE-317-22	NOT USED
N	FUSE LC 3TC12	4 KV SWITCHGEAR 3TE TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	6.70 000000	OM-302-91 SHT 2 OEE-317-23	
O	FUSE FUSE 3TC12	4KV SWITCHGEAR TRIP UNIT 12 LOAD SHED RELAY	4KV SWITCHGEAR TRIP UNIT 12 LOAD SHED RELAY	125 DC	0.21 000000	OEE-317-23 O-2751-B OEE-317-23	
P	FUSE LC 3TC13	4 KV SWITCHGEAR 3TE TRIP	4 KV SWITCHGEAR 3TC TRIP	125 DC	0.00 000000	OM-302-488 OEE-317-24	NOT USED
3DIB 16 3	FDBKR	4160V SWITCHGEAR 3TE (TRIP)	4160V SWITCHGEAR 3TE (TRIP)	125 DC	0.00 000000	O-2751-F OEE-317-40 TO 53	
A	PNLBKR LE 3TE14	4 KV SWITCHGEAR 3TE TRIP	4 KV SWITCHGEAR 3TE TRIP	125 DC	0.00 000000	O-2751-F OEE-317-53	
B	FUSE LC 3TE14	4 KV SWITCHGEAR 3TE TRIP	4 KV SWITCHGEAR 3TE TRIP	125 DC	6.70 000000	OM-302-494	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 3/17/89
 PAGE 20

NORMAL POWER SOURCE
 3DCA 30

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 1DCB 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	BLDG AUX	ELEV	NOA	FLA	NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
			4KV SWITCHGEAR TRIP UNIT 7						OEE-317-46	
J	FUSE LC 3TE8	4 KV SWITCHGEAR 3TE TRIP		125		DC	6.70		OM-302-496 OEE-317-47	
K	FUSE LC 3TE9	4 KV SWITCHGEAR 3TE TRIP		125		DC	0.00		OEE-317-47 OM-302-493 OEE-317-48	NOT USED
L	FUSE LC 3TE10	4 KV SWITCHGEAR 3TE TRIP		125		DC	6.70		OM-302-497 OEE-317-49	
M	FUSE LC 3TE11	4KV SWITCHGEAR TRIP UNIT 10		125		DC	6.70		OEE-317-49 OM-30-86 SHT 1 OEE-317-50	
N	FUSE LC 3TE12	4KV SWITCHGEAR TRIP UNIT 11		125		DC	0.00		OEE-317-50 OM-302-488 OEE-317-51	NOT USED
O	FUSE LC 3TE13	4 KV SWITCHGEAR 3TE TRIP AND LOAD SHED		125		DC	6.91		OM-302-488 OEE-317-52	
		4KV SWITCHGEAR TRIP UNIT 13							OEE-317-51	
		LOAD SHED RELAY							OEE-317-51	
3DIB 17 3	FDBKR	6900V SWITCHGEAR 3TB (CLOSE-TRIP) UNIT 6		125		DC	0.00		O-2751-H OEE-317-62A TO 65A	
3DIB 18 3	FDBKR	RCP VIBRATION SWITCHES RESET & AUX VENT FANS		125		DC	0.00		O-2713-N OEE-358-17	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 21

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 10CB 5C

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM
			VIBRATION SWITCH VS1 RBCU FAN 3A			OEE-338-17
			VIBRATION SWITCH VS2 RBCU FAN 3B			OEE-338-17
			VIBRATION SWITCH VS3 RBCU FAN 3C			OEE-338-17
			VIBRATION SWITCH VVS1 RB AUX FAN 3A			OEE-331-13
			VIBRATION SWITCH VVS2 RB AUX FAN 3B			OEE-331-13
			VIBRATION SWITCH VVS3 RB AUX FAN 3C			OEE-331-13
			VIBRATION SWITCH VVS4 RB AUX FAN 3D			OEE-331-13
			VIBRATION SWITCH VS1 RCP 3A1			OEE-350-10
			VIBRATION SWITCH VS2 RCP 3A2			OEE-350-10
			VIBRATION SWITCH VS3 RCP 3B1			OEE-350-10
			VIBRATION SWITCH VS4 RCP 3B2			OEE-350-10
3DIB 19 3	FDBKR	CRD AC BKR TRIP CKT		125 DC	0.00 000000	0-2782-L OEE-359-02
3DIB 20 3	FDBKR	600V LOAD CENTER 3X9		125 DC	0.00 000000	0-2754-C OEE-316-5
A	PNLBKR RE 3X9	600 V LOAD CENTER 3X9		125 DC	0.00 000000	OM-2303-35 OEE-316-5
B	FUSE RA 3X9	RELAY 27X CKT		125 DC	0.00 000000	OM-2303-35 OEE-316-5
C	FUSE RB 3X9	RELAY 27X1 & 27X2 CKT		125 DC	0.00 000000	OM-2303-35 OEE-316-5

LIST NUMBER 08A
 PLAN. CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 COCONINE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 3/17/89 22

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 1DCB 3C

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM P.V. ICE ELEM	COORD LOC P-89
D	FUSE RC 3X9		RELAY 27X3 & 27X4 CKT	125 DC	0.00 000000	OM-2303-35 OEE-316-5	
E	POFB 4EA 3X9		CLOSE AND TRIP CKT FOR BKR 4A	125 DC	0.00 000000	OM-2303-35 OEE-316-6	PULL OFF FUSE BLOCK SLUGGED
F	FUSE 4EB 3X9		CLOSING CKT FOR BKR 4A	125 DC	0.00 000000	OM-2303-35 OEE-316-6	
G	POFB 4EE 3X9		CLOSE AND TRIP CKT FOR BKR 4C	125 DC	0.00 000000	OM-2303-35 OEE-316-6	PULL OFF FUSE BLOCK SLUGGED
H	FUSE 4EF 3X9		CLOSING CKT FOR BKR 4C	125 DC	0.00 000000	OM-2303-35 OEE-316-6	
I	POFB 4EG 3X9		CLOSE AND TRIP CKT FOR BKR 4D	125 DC	0.00 000000	OM-2303-35 OEE-316-6	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
J	FUSE 4EH 3X9		CLOSING CKT FOR BKR 4D	125 DC	0.00 000000	OM-2303-35 OEE-316-6	BREAKER REMOVED
K	POFB 4EA 3X9		CLOSE AND TRIP CKT FOR BKR 5A	125 DC	0.00 000000	OM-2303-35 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED
L	FUSE 4EB 3X9		CLOSING CKT FOR BKR 5A	125 DC	0.00 000000	OM-2303-35 OEE-316-7	
M	POFB 4EC 3X9		CLOSE AND TRIP CKT FOR BKR 5B	125 DC	0.00 000000	OM-2303-35 OM-2303-20	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
N	FUSE 4ED 3X9		CLOSING CKT FOR BKR 5B	125 DC	0.00 000000	OM-2303-35 OM-2303-20	BREAKER REMOVED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 ALTERNATE POWER SOURCE
 IOCB 3C

3/17/89
 PAGE 23

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 809 COORD LOC P-89

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NCA	g/p M/D D/P ELEM DEVICE ELEM	COMMENTS
0	POFB 5EE 3X9		CLOSE AND TRIP CKT FOR BKR 5C	125 DC	0.00 000000	OM-2303-35 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED
P	FUSE 5EF 3X9		CLOSING CKT FOR BKR 5C	125 DC	0.00 000000	OM-2303-35 OEE-316-7	
Q	POFB 5EG 3X9		CLOSE AND TRIP CKT FOR BKR 5D	125 DC	0.00 000000	OM-2303-35 OM-2303-20	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED
R	FUSE 5EH 3X9		CLOSING CKT FOR BKR 5D	125 DC	0.00 000000	OM-2303-35 OM-2303-20	BREAKER REMOVED
S	POFB 6EA 3X9		CLOSE AND TRIP CKT FOR BKR 6A	125 DC	0.00 000000	OM-2303-35 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED
T	FUSE 6EB 3X9		CLOSING CKT FOR BKR 6A	125 DC	0.00 000000	OM-2303-35 OEE-316-7	
U	POFB 6EC 3X9		CLOSE AND TRIP CKT FOR BKR 6B	125 DC	0.00 000000	OM-2303-35 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED
V	FUSE 6ED 3X9		CLOSING CKT FOR BKR 6B	125 DC	0.00 000000	OM-2303-35 OEE-316-7	
W	POFB 6EE 3X9		CLOSE AND TRIP CKT FOR BKR 6C	125 DC	0.00 000000	OM-2303-35 OEE-316-7	PULL OFF FUSE BLOCK SLUGGED
X	FUSE 6EF 3X9		CLOSING CKT FOR BKR 6C	125 DC	0.00 000000	OM-2303-35 OEE-316-7	
Y	POFB 6EG 3X9		CLOSE AND TRIP CKT FOR BKR 6D	125 DC	0.00 000000	OM-2303-35 OM-2303-20	PULL OFF FUSE BLOCK SLUGGED BKR REMOVED

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 24

NORMAL POWER SOURCE
 30CA 3D

30IB
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AUX ELEV 809 COORD LOC P-89

BUS COMP UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA PHASE NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
Z	FLSE 6E3 3X9		CLOSING CKT FOR BKR 6D	125 0.00 DC 000000	OM-2303-35 OM-2303-20	BREAKER REMOVED

30IB 21 3	FDBKR		STANDBY BUS 2 UNDervOLTAGE PHASE A	125 0.53 DC 000000	O-2753-I OEE-317-1M	
A	SLTB 3SB2AP 3EPSLP2		STANDBY BUS 2 UNDervOLTAGE PH A	125 0.53 DC 000000	O-2753-I OEE-317-1M	

RELAY CKT

30IB 22 3	BKR		SPARE	125 0.00 DC 000000		
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30IB 23 3	BKR		SPARE	125 0.00 DC 000000		
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30IB 24 3	FDBKR		PRESSURE RELIEF VALVE 3RV-67	125 0.00 DC 000000	O-2766-D OEE-350-7	
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RELAY CKT

30IB 25 3	FDBKR		ENGINEERED SAFEGDS CHANNELS 2,4,6,8,	125 10.33 DC 000000	O-2757-C OEE-342-1	
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A	SLTB ESL15 3ESTC2		R8 ISOL VLV 3/55/15	125 0.57 DC 000000	C-2757-C OEE-342-1	
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SOL VLV 3SV16

RELAY CKT

B	SLTB ESL8 3ESTC2		LETDOWN ISOL VLV FS/3/51/5	125 0.57 DC 000000	OEE-342-1 OEE-342-1 O-2757-C OEE-351-3	
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 25

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 1DCB 3C

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
		S0L VLV 3SV90				OEE-351-3	
		RELAY CKT				OEE-351-3	
C	SLTB P4 3ESTC2		RC PMP SEAL RETURN ISOL VALVE FS/3/51/40	125 DC	0.57 000000	0-2757-C OEE-351-8	
		S0L VLV 3SV95				OEE-351-8	
		RELAY CKT				OEE-351-8	
D	SLTB P5 3ESTC2		CHEMICAL ADD SYS PRESS SAMP BLDG ISOL VLV FS/3/63/2	125 DC	0.56 000000	0-2757-C OEE-357-4	
		S0L VLV 3SV36				OEE-357-4	
		RELAY CKT				OEE-357-4	
E	SLTB P4 3ESTC2		CHEM ADD SYS STM GEN 3A PEN ISOL VLV FS/3/63/7	125 DC	0.56 000000	0-2757-C OEE-357-5	
		S0L VLV 3SV37				OEE-357-5	
		RELAY CKT				OEE-357-5	
F	SLTB P6 3ESTC2		CHEM ADD SYS STM GEN 3B PEN ISOL VLV FS/3/63/6	125 DC	0.56 000000	0-2757-C OEE-357-6	
		S0L VLV 3SV38				OEE-357-6	
		RELAY CKT				OEE-357-6	
G	SLTB ESP5 3ESTC2		RB PURGE OUTLET VLV 3/208-21/2	125 DC	0.67 000000	0-2757-C OEE-358-2	
		S0L VLV 3SV31				OEE-358-2	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 26

3/17/89

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

ALTERNATE POWER SOURCE
 1DCB 3C

BUS COMPT UNIT TYPE UNIT LOAD TITLE DEVICE DESCRIPTION VOLTS FLA NOA D/P M/D COMMENTS
 DIST PT BRANCH TITLE PHASE NOA DEVICE ELEM

BUS COMPT UNIT	TYPE UNIT	LOAD TITLE	DEVICE DESCRIPTION	VOLTS	FLA	NOA	D/P M/D	COMMENTS
DIST PT	D/P LOC	BRANCH TITLE	RELAY CKT	PHASE	NOA		DEVICE ELEM	
H	SLTB ESL76 3ESTC2	RB PURGE OUTLET VLV 3/20B-21/3	RELAY CKT	125	0.56		0-2757-C OEE-358-3	
I	SLTB ESP3 3ESTC2	RB PURGE INLET VLV 3/20B-21/4	RELAY CKT	125	0.56		0-2757-C OEE-358-4	
J	SLTB ESP4 3ESTC2	RB PURGE VALVE 3/20B-21/5	RELAY CKT	125	0.56		0-2757-C OEE-358-5	
K	SLTB ESL29 3ESTC2	SAMPLE LINE CNTRL INLET VLV 3/67/2	RELAY CKT	125	0.78		0-2757-C OEE-358-8	
L	SLTB ESL75 3ESTC2	SAMPLE LINE CNTRL OUTLET VLV 3/67/3	RELAY CKT	125	0.57		0-2757-C OEE-358-9	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 30IB
 125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 809

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 27

NORMAL POWER SOURCE
 3DCA 3D

ALTERNATE POWER SOURCE
 1DCB 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
M	SLTB ESP2 3ESTC2	WASTE DISPOSAL SYS QT ISOL VLV 3/57/2		125 DC	0.56 000000	0-2757-C 0EE-360-1	
		SOL VLV 3SV3 RELAY CKT				0EE-360-1 0EE-360-1	
N	SLTB ESP7 3ESTC2	WASTE DISPOSAL SYS COMP DRN PMP ISOL VLV 3/59/5		125 DC	0.56 000000	0-2757-C 0EE-360-3	
		SOL VLV 3SV5 RELAY CKT				0EE-360-3 0EE-360-3	
O	SLTB ESP6 3ESTC2	WASTE DISPOSAL SYS RB NORM SUMP ISOL VLV 3/59/4		125 DC	0.67 000000	0-2757-C 0EE-360-5	
		SOL VLV 3SV4 RELAY CKT				0EE-360-5 0EE-360-5	
P	SLTB P4 3ESTC2	RB PEMS RM SAMP SYS PRESS ALARMS		125 DC	0.21 000000	0-2757-C 0EE-358-15	
		RELAY CKT				0EE-358-15	
30IB 26 5	FDBKR	6900V SWI (CHGEAR 3TA (TRIP))		125 DC	0.00 000000	0-2751-G 0EE-317-56 10 60A	
30IB 27 5	FDBKR	PLANT ANNUNCIATOR SYSTEM & 3SA6		125 DC	0.00 000000	0-2766-C	
30IB 31 5	FDBKR	4160V SWITCHGEAR 3BIT (1-5)(TRIP)		125 DC	0.00 000000	0-2751-K 0EE-317-5A	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 3/17/89 28

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX FLEV 809

ALTERNATE POWER SOURCE
 IDCB 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
A	PNLBKR LE 3B1T5	4 KV SWITCHGEAR 3B1T TRIP	4KV SWITCHGEAR TRIP UNIT 5	125 DC	13.40 000000	0-2751-K 0EE-317-5A	
B	FUSE LC 3B1T5	4 KV SWITCHGEAR 3B1T TRIP		125 DC	6.70 000000	OM-302-500 0EE-317-5A	
C	FUSE LC 3B1T1	4 KV SWITCHGEAR 3B1T TRIP		125 DC	6.70 000000	OM-302-505 0EE-317-2A	
D	FUSE LC 3B1T4	4 KV SWITCHGEAR 3B1T TRIP		125 DC	0.00 000000	OM-302-501 0EE-317-4A	SPARE UNIT

3DIB 32 3	FDBKR	4160V SWITCHGEAR 3TD (CLOSE-TRIP)		125 DC	0.00 000000	0-2751-C 0EE-317-26 TO 39	
A	PNLBKR AM 3TD1	4 KV SWITCHGEAR 3TD CLOSE-TRIP		125 DC	0.00 000000	0-2751-C 0EE-317-26	
B	FUSE AY 3TD1	4 KV SWITCHGEAR 3TD CLOSE-TRIP		125 DC	10.00 000000	OM-302-504 0EE-317-26	
		4KV SWGR CLOSE-TRIP UNIT 1				0EE-317-26	
	FUSE AY 3TD2	4 KV SWITCHGEAR 3TD CLOSE-TRIP		125 DC	10.00 000000	OM-302-85 0EE-317-27	
D	FUSE FUSE 3TD2	4KV SWGR CLOSE-TRIP UNIT 2 LOAD SHED RELAY		125 DC	0.21 000000	0-2751-C 0EE-317-27	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 29

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 10CB 5C

COMMENTS

BUS. COMPT UNIT TYPE UNIT DIST PT D/P LOC LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA NOA D/P M/C D/P ELEM DEVICE ELEM

BUS. COMPT UNIT	TYPE UNIT	DIST PT	D/P LOC	LOAD TITLE	BRANCH TITLE	DEVICE DESCRIPTION	VOLTS	FLA	NOA	D/P M/C	D/P ELEM	DEVICE ELEM
E	FUSE AY 3TD3			4 KV SWITCHGEAR 3TD CLOSE-TRIP		4 KV SWITCHGEAR 3TD CLOSE-TRIP	125	10.00			OM-302-86 SHT 1 OEE-317-28	
F	FUSE AY 3TD4			4KV SMGR CLOSE-TRIP UNIT 3		4KV SMGR CLOSE-TRIP UNIT 3	125	10.00			OEE-317-28	
G	FUSE AY 3TD5			4KV SMGR CLOSE-TRIP UNIT 4		4 KV SWITCHGEAR 3TD CLOSE-TRIP	125	10.00			OM-302-496 OEE-317-29	
H	FUSE AY 3TD6			4KV SMGR CLOSE-TRIP UNIT 5		4 KV SWITCHGEAR 3TD CLOSE-TRIP	125	10.00			OEE-317-29	
I	FUSE AY 3TD7			4KV SMGR CLOSE-TRIP UNIT 6		4 KV SWITCHGEAR 3TD CLOSE-TRIP	125	10.00			OM-302-496 OEE-317-31	
J	FUSE AY 3TD8			4KV SMGR CLOSE-TRIP UNIT 7		4KV SMGR CLOSE-TRIP UNIT 6	125	10.00			OEE-317-31	
K	FUSE AY 3TD9			4KV SMGR CLOSE-TRIP UNIT 8		4 KV SWITCHGEAR 3TD CLOSE-TRIP	125	10.00			OM-302-495 OEE-317-32	
				4KV SMGR CLOSE-TRIP UNIT 9		4KV SMGR CLOSE-TRIP UNIT 8	125	10.00			OEE-317-32	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW PAGE 30

NORMAL POWER SOURCE
 3DCA 3D

125 VDC INSTRUMENTATION
 POWER PANELBOARD

ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 IDCB 3C

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
L	FUSE AY 3TD10	4 KV SWITCHGEAR 3TD CLOSE-TRIP	4KV SWGR CLOSE-TRIP UNIT 10	125 DC	10.00 000000	OM-302-493 OEE-317-35	
M	FUSE AY 3TD11	4 KV SWITCHGEAR 3TD CLOSE-TRIP	4KV SWGR CLOSE-TRIP UNIT 11	125 DC	10.00 000000	OEE-317-36	
N	FUSE AY 3TD12	4 KV SWITCHGEAR 3TD CLOSE-TRIP	4KV SWGR CLOSE-TRIP UNIT 12	125 DC	10.00 000000	OM-302-466 OEE-317-37	
O	FUSE AY 3TD13	4 KV SWITCHGEAR 3TD CLOSE-TRIP	4KV SWGR CLOSE-TRIP UNIT 13	125 DC	10.00 000000	OEE-317-38	
P	FUSE AY 3TD14	4 KV SWITCHGEAR 3TD CLOSE-TRIP	4KV SWGR CLOSE-TRIP UNIT 14	125 DC	10.00 000000	OM-302-494 OEE-317-39	
Q	FUSE AY 3TD0	4 KV SWITCHGEAR 3TD CLOSE-TRIP	4KV SWGR CLOSE-TRIP UNIT 0	125 DC	10.00 000000	OEE-317-66	
R	FUSE FUSE 3TD0	MDFMP MOTOR 3A COOLING WATER VLV	S01 VLV 3SV202	12	0.50 000000	O-2751-D OEE-317-66	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 3

NORMAL POWER SOURCE
 3DCA 3D

3DIB
 125 VDC INSTRUMENTATION
 POWER PANELBOARD

ONE-LINE DWG NO F4059
 BLDG AUX ELEV 809

ALTERNATE POWER SOURCE
 1DCB 5C

COORD LOC P-89

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOC'D TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

COMMENTS

3DIB
 33
 3

9.3 KVA STATIC
 INVERTER 3DIB

0-2705

DC 125 0.00
 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR YELLOW
 PAGE 32

NORMAL POWER SOURCE
 3DIB 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3 COORD LOC Q-88

ALTERNATE POWER SOURCE
 3KRA 04

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3KVIB 01 3	FDBKR		NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM 3B	120 1	0.00 000000	0-2781-A	
3KVIB 02 3	FDBKR		ENGINEERED SAFEGDS INSTRUMENTATION SYSTEM NO. 3B	120 1	0.00 000000	0-2757-K	
3KVIB 03 3	FDBKR		INCORE REFUELING RECEPTACLE NO. 3A	120 1	0.00 000000	0-2767-A20	
3KVIB 04 3	FDBKR		POST DILUTION FLOW SENSOR 3A VLV3LP2	120 1	0.00 000000	0-2714-N1 OEE-352-22	
3KVIB 05 3	FDBKR		CONTAINMENT SUMP LEVEL INDICATION TRAIN B	120 1	0.00 000000	0-2722-B OEE-358-27	
			LEVEL XMTR 3L112			OEE-358-27	
			SIGNAL ISOL. 3CESLOI			OEE-358-27	
			LEVEL XMTR 3L113			OEE-358-29	
3KVIB 06 3	BKR		SPARE	120 1	0.00 000000		
3KVIB 07 3	FDBKR		REACTOR COOLANT PUMP B POWER MONITOR	120 1	1.00 000000	0-2719	
3KVIB 08 3	FDBKR		RC SAMPLE ISOL VLV	120 1	0.00 000000	0-2711-G OEE-362-4	
			SOL VLV 3RC162			OEE-362-4	
3KVIB 09 3	FDBKR		STEAM GENERATOR EMERGENCY FEEDWTR FLOW CABINET 3B	120 1	0.00 000000	0-2779-A	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR YELLOW PAGE 3/17/89 33

NORMAL POWER SOURCE
 3DIB 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3 COORD LOC Q-88

ALTERNATE POWER SOURCE
 3KRA 04

BUS COMP UNIT
 TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE
 VOLTS FLA
 PHASE NOA

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

CURRENT LOOP FOR LEVEL XMTR 3FT140

0-2779-A

CURRENT LOOP FOR LEVEL XMTR 3FT141

0-2779-A

STM GEN LVL CNTRL
 CAB

0-2778

1 120 0.00
 000000

ICC MONITORING SYS
 TRAIN B

0-2713-0
 OEE-355-02

1 120 0.00
 000000

ISOLATING TRANSFER
 DIODE NO. 3ADB

0-2759-F

1 120 0.00
 000000

CRD PRIMARY TRIP
 BREAKER ASSEMBLY
 UNIT 11

0-2782-L

1 120 0.00
 000000

SAFETY VLV MONITOR

0-2713-J

1 120 0.00
 000000

SPARE

1 120 0.00
 000000

SPARE

1 120 0.00
 000000

SPARE

1 120 0.00
 000000

SPARE

1 120 0.00
 000000

SPARE

1 120 0.00
 000000

3KVB
 10
 3

3KVB
 11
 3

3KVB
 12
 3

3KVB
 13
 3

3KVB
 14
 3

BKR
 15
 3

BKR
 16
 3

BKR
 17
 3

BKR
 18
 3

BKR
 19
 3

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 ALTERNATE POWER SOURCE
 3KRA 05

3/17/89
 PAGE 34

NORMAL POWER SOURCE
 3D1C 33

120 VAC VITAL INSTP
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3

COORD LOC R-88

COMMENTS

D/P W/D
 D/P ELEM
 DEVICE ELEM

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

0-2781-B

NUCLEAR INSTRUMENTATION REACTOR PROTECTION SYSTEM 3C

FDBKR

1 120 0.00
 000000

0-2757-K

ENGINEERED INSTRUMENTATION SYSTEM NO. 3C

FDBKR

1 120 0.00
 000000

0-2772-E
 OEE-321-45

TURBINE STOP VALVE
 TEST SOLENOIDS

FDBKR

1 120 0.00
 000000

OEE-321-45

TEST SOL VLV 20-SV1T

OEE-321-45

TEST SOL VLV 20-SV2T

OEE-321-45

TEST SOL VLV 20-SV3T

OEE-321-45

TEST SOL VLV 20-SV4T

0-2719

REACTOR COOLANT PUMP C POWER MONITOR

FDBKR

1 120 1.00
 000000

SPARE

BKR

1 120 0.00
 000000

SPARE

BKR

1 120 0.00
 000000

SPARE

BKR

1 120 0.00
 000000

0-2711-G
 OEE-362-4

RC SAMPLE ISOL VLV 3RC-163

FDBKR

1 120 0.00
 000000

OEE-362-4

SOL VLV 3RC-163

FDBKR

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR BLUE
 3/17/89
 PAGE 35

NORMAL POWER SOURCE
 3DIC 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AUX ELEV 811+3

ALTERNATE POWER SOURCE
 3KRA 05

COORD LOC R-88
 VOLTS FLA D/P W/D
 PHASE NOA DEVICE ELEM

COMMENTS

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION

3KVIC 09 3 FDBKR STEAM GENERATOR EMERGENCY FEEDWTR FLOW CABINET 3A 0-2779-A 1 120 0.00 000000

FLOW XMTR 3FT153 CURRENT LOOP 0-2779-A
 FLOW XMTR 3FT154 CURRENT LOOP 0-2779-A

3KVIC 10 3 FDBKR STM GEN LVL CNTRL CAB 0-2778 1 120 0.00 000000

3KVIC 11 3 FDBKR ISOLATING TRANSFER DIODE 3ADC 0-2759-F 1 120 0.00 000000

3KVIC 12 3 FDBKR CRD PRIMARY TRIP BREAKER ASSY UNIT NO. 10 0-2782-L 1 120 0.00 000000

3KVIC 13 3 FDBKR HP INJ CROSSOVER FLOW TRANSMITTERS 0-2766-E 1 120 0.00 000000
 OEE-351-33
 FLOW XMTR 3FT159 CURRENT LOOP OEE-351-33
 FLOW XMTR 3FT160 CURRENT LOOP OEE-351-33

3KVIC 14 3 BKR SPARE 1 120 0.00 000000

3KVIC 15 3 BKR SPARE 1 120 0.00 000000

3KVIC 16 3 BKR SPARE 1 120 0.00 000000

3KVIC 17 3 BKR SPARE 1 120 0.00 000000

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR BLUE
 SAFETY SOURCE ALTERNATE POWER SOURCE
 3KRA 05

3/17/89
 36

NORMAL POWER SOURCE
 3DIC 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3

COORD LOC R-88

COMMENTS

D/P N/D
 D/P ELEM
 DEVICE ELEM

VOLTS
 PHASE

FLA
 NOA

DEVICE DESCRIPTION

LOAD TITLE
 BRANCH TITLE

TYPE UNIT
 DIST PT
 D/P LOC

SPARE

1 120 0.00
 1 000000

BKR

3KVIC
 18
 3

SPARE

1 120 0.00
 1 000000

BKR

3KVIC
 19
 3

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 3/17/89
 PAGE 37

NORMAL POWER SOURCE
 301D 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3

ALTERNATE POWER SOURCE
 3KRA 06

COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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0-2781-C

3KVID 01 3	FDBKR	NUCLEAR INSTRUMEN- TATION REACTOR PRO -TECTION SYSTEM 3D	1 120	0.00 000000	0-2781-C	
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0-2719

3KVID 02 3	FDBKR	REACTOR COOLANT PUMP D POWER MONITOR	1 120	1.00 000000	0-2719	
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0-2766-B

3KVID 03 3	FDBKR	CCW VACUUM PRIMING SYSTEM 3MTC1	1 120	0.00 000000	0-2766-B 0EE-336-13	
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RELAY CKT

0EE-336-13 TO 16

S0L VLV 3SV45	0EE-336-17
S0L VLV 3SV46	0EE-336-17
S0L VLV 3SV47	0EE-336-17
S0L VLV 3SV48	0EE-336-17
S0L VLV 3SV49	0EE-336-17
S0L VLV 3SV50	0EE-336-17
S0L VLV 3SV39	0EE-336-17A
S0L VLV 3SV40	0EE-336-17A
S0L VLV 3SV41	0EE-336-17A
S0L VLV 3SV42	0EE-336-17B
S0L VLV 3SV43	0EE-336-17B
S0L VLV 3SV44	0EE-336-17B
S0L VLV 3SV137	0EE-336-18
S0L VLV 3SV138	0EE-336-18

LIST NUMBER 08A
 PLANT CODE = DCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 3/17/89
 PAGE 38

NORMAL POWER SOURCE
 3DID 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3

ALTERNATE POWER SOURCE
 3KRA 06

COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		CCMP RATOALARM FI/2/1				0EE-336-18	
		CCMP RATOALARM FI/2/2				0EE-336-18	
		CCMP RATOALARM FI/2/5				0EE-336-18	
		CCMP RATOALARM FI/2/6				0EE-336-18	
		SOL VLV 3SV139				0EE-336-19	
		SOL VLV 3SV140				0EE-336-19	
		CCMP RATOALARM FI/2/3				0EE-336-19	
		CCMP RATOALARM FI/2/4				0EE-336-19	
		CCMP RATOALARM FI/2/7				0EE-336-19	
		CCMP RATOALARM FI/2/8				0EE-336-19	
		RELAY CKT				0EE-336-22	
		SOL VLV 3SV51				0EE-336-22	
		SOL VLV 3SV52				0EE-336-22	
		SOL VLV 3SV53				0EE-336-22	
3KVID 04 3	FDBKR		UNIT 3 AREA RADIA- TION MONITORING	1	120	0.00 000000	0-2714-L,0-2714-I
		RAD MONITOR 3RIA-1					0-2714-I
		RAD MONITOR 3RIA-2					0-2714-I
		RAD MONITOR 3RIA-3					0-2714-I
		RAD MONITOR 3RIA-4					0-2714-I
		RAD MONITOR 3RIA-5					0-2714-I

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS IE
 SAFETY COLOR ORANGE PAGE 3/17/89 39

NORMAL POWER SOURCE
 3DID 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE
 3KRA 06

BLDG AUX ELEV 811+3 COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOG TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P N/D D/P ELEM DEVICE ELEM	COMMENTS
			RAD MONITOR 3RIA-6			0-2714-I	
			RAD MONITOR 3RIA-10			0-2714-I	
			RAD MONITOR 3RIA-11			0-2714-I	
			RAD MONITOR 3RIA-12			0-2714-I	
			RAD MONITOR 3RIA-13			0-2714-I	
			RAD MONITOR 3RIA-15			0-2714-I	
			RAD MONITOR 3RIA-16			0-2714-I	
			RAD MONITOR 3RIA-17			0-2714-I	
			RAD MONITOR 3RIA-19			0-2714-I	
3KVID 05 3	FDBKR		INCORE REFUELING RECEPTACLE 3B	120	0.00 000000	0-2767-A22	
3KVID 06 3	FDBKR		EMERGENCY FEEDMTR PUMP STEAM ADMIS- SION VALVE	120	0.00 000000	0-2711-D 0EE-347-2	
			SOL VLV 3SV74			0EE-347-2	
			RELAY CKT			0EE-347-2	
3KVID 07 3	BKR		SPARE	120	0.00 000000		
3KVID 08 3	BKR		SPARE	120	0.00 000000		
3KVID 09 3	BKR		SPARE	120	0.00 000000		

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS 1E
 SAFETY COLOR ORANGE
 ALTERNATE POWER SOURCE
 3KRA 06

3/17/89
 40

NORMAL POWER SOURCE
 3DID 33

120 VAC VITAL INSTR
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AUX ELEV 811+3

COORD LOC R-88

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

LOAD TITLE
 BRANCH TITLE
 DEVICE DESCRIPTION

TYPE UNIT
 DIST PT
 D/P LOC

BUS
 COMPT
 UNIT

3KVID BKR 120 0.00
 10 1 000000
 3

3KVID BKR 120 0.00
 11 1 000000
 3

3KVID FDBKR 120 0.00 0-2759-F
 12 1 000000
 3 ISOLATING TRANSFER
 DIODE 3ADD

3KVID BKR 120 0.00
 13 1 000000
 3

3KVID FDBKR 120 0.00 0-2782-A
 14 1 000000
 3 CONTROL ROD DRIVE
 CABINET SL-3

3KVID BKR 120 0.00
 15 1 000000
 3

3KVID BKR 120 0.00
 16 1 000000
 3

3KVID BKR 120 0.00
 17 1 000000
 3

3KVID BKR 120 0.00
 18 1 000000
 3

3KVID BKR 120 0.00
 19 1 000000
 3

LIST NUMBER 08A
PLANT CODE = OCN
FILE ID = A6

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
ELECTRICAL LOAD LIST

3/17/89

THESE BUSES ARE LISTED IN THE FOLLOWING REPORT

3KH	208Y/120 VAC PB MONITOR- ING EQUIP POWER PANELBDS
3KU	240/120 VAC 1PH COMPUTER POWER PANELBOARD
3KX	120 VAC-1PH AUXILIARY POW ER SYSTEM PANELBOARD

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 1

NORMAL POWER SOURCE
 3XS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE

BLDG AUX ELEV 813 COORD LOC I-90

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVIDE DESCRIPTION	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3KM 01 3	FDBKR	AREA RADIATION MONITOR (3RIA1)	AREA RADIATION MONITOR (3RIA1)	120 0.75 1 000000	0-2795-A	
3KM 02 3	FDBKR	AREA RADIATION MONITOR (3RIA10)	AREA RADIATION MONITOR (3RIA10)	120 0.75 1 000000	0-2795-A	
3KM 03 3	FDBKR	AREA RADIATION MONITOR (3RIA11)	AREA RADIATION MONITOR (3RIA11)	120 0.75 1 000000	0-2795-A	
3KM 04 3	FDBKR	AREA RADIATION MONITOR (3RIA12)	AREA RADIATION MONITOR (3RIA12)	120 0.75 1 000000	0-2795-A	
3KM 05 3	FDBKR	AREA RADIATION MONITOR (3RIA13)	AREA RADIATION MONITOR (3RIA13)	120 0.75 1 000000	0-2795-A	
3KM 06 3	FDBKR	AREA RADIATION MONITOR (3RIA15)	AREA RADIATION MONITOR (3RIA15)	120 0.75 1 000000	0-2795-A	
3KM 07 3	FDBKR	AREA RADIATION MONITOR (3RIA4)	AREA RADIATION MONITOR (3RIA4)	120 0.75 1 000000	0-2767-A13	
3KM 08 3	FDBKR	AREA RADIATION MONITOR (3RIA5)	AREA RADIATION MONITOR (3RIA5)	120 0.75 1 000000	0-2767-A13	
3KM 09 3	FDBKR	AREA RADIATION MONITOR (3RIA19)	AREA RADIATION MONITOR (3RIA19)	120 0.75 1 000000	0-2795-A	
3KM 10 3	FDBKR	S.F. GAS RADIATION MONITOR (3RIA41)	S.F. GAS RADIATION MONITOR (3RIA41)	120 1.50 1 000000	0-2795-B	
3KM 11 3	FDBKR	RADIATION MONITOR SOLENOID VALVES 3SV184,185, & 186	RADIATION MONITOR SOLENOID VALVES 3SV184,185, & 186	120 1.07 1 000000	0-2752-A35 0EE-338-3	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 2

NORMAL POWER SOURCE
 3XS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DMG NO F4059

ALTERNATE POWER SOURCE

BLD. AUX ELEV 813 COORD LOC I-90

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		SOLENOID VALVE #3SV184				ØEE-338-3	
		SOLENOID VALVE #3SV185				ØEE-338-5	
		SOLENOID VALVE #3SV186				ØEE-338-7	
3KM 12 3	FDBKR	IODINE & GAS RADIATION MONITORS (3RIA43-44-45-46)		120 1	2.00 000000	Ø-2795-B	
3KM 13 3	FDBKR	IODINE & GAS RADIATION MONITORS (RB) (3RIA47-48-49)		120 1	2.00 000000	Ø-2795-B	
3KM 14 3	FDBKR	AUX BUILDING GAS RADIATION MONITORS (3RIA52)		120 1	1.50 000000	Ø-2795-B	
3KM 15 3	FDBKR	CONTROL ROOM GAS RADIATION MONITOR (3RIA59)		120 1	1.50 000000	Ø-2795-B	
3KM 16 3	FDBKR	TALK-A-PHONE RECEPTACLE (CONTROL ROOM)		120 1	8.00 000000		
3KM 17 3		SPARE		120 1	0.00 000000		
3KM 18 3		SPARE		120 1	0.00 000000		
3KM 19 3		SPARE		120 1	0.00 000000		
3KM 20 3	FDBKR	MAIN FUEL HANDLING BRIDGE RADIATION MONITOR (3RIA-2)		120 1	0.75 000000	Ø-2767-A13	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

PAGE 3/17/89

NORMAL POWER SOURCE
 3XS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DWG NO F4059

ALTERNATE POWER SOURCE

BLDG AUX ELEV 813

COORD LOC I-90

COMMENTS

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

VOLTS
 PHASE

FLA
 NOA

D/P M/D
 D/P ELEM
 DEVICE ELEM

Ø-2767-A13

1 120 0.75
 1 000000

AUX FUEL HANDLING
 BRIDGE RADIATION
 MONITOR (3RIA-3)

Ø-2730

1 120 0.75
 1 000000

SPENT FUEL
 HANDLING BRIDGE

1 120 0.00
 1 000000

SPARE

Ø-2755-A
 ØEE-318-34

1 120 0.00
 1 000000

ANNUNCIATOR
 SOUNDERS

ØEE-318-34
 ØEE-318-34

ANNUNCIATOR SOUNDER #AS1
 ANNUNCIATOR SOUNDER #AS2

1 120 0.00
 1 000000

SPARE

1 120 0.00
 1 000000

SPARE

1 120 0.00
 1 000000

SPARE

Ø-2758-A
 ØEE-351-29

1 120 0.19
 1 000000

RCP SEAL INJECTION
 FLOW CONTROL VALVE

ØEE-351-29

SOLENOID VALVE #3SV191

Ø-2720-A
 ØM-2201-927

1 120 0.00
 1 000000

RCP SEAL LEAKOFF
 FLOW

BAILLY DWG C8058299

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE PAGE 3/17/89 4

NORMAL POWER SOURCE
 3XS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DHG NO F4059

ALTERNATE POWER SOURCE

BUS COMPT UNIT TYPE UNIT LOAD TITLE BRANCH TITLE DEVICE DESCRIPTION VOLTS FLA NOA D/P W/D D/P ELEM COMMENTS

3KM 30 3 SPARE 1 120 0.00 000000

3KM 31 3 SPARE 3 208 0.00 000000

3KM 32 3 FDBKR POWER SUPPLIES IN MISC TERM CAB 3MTC4 1 120 0.00 000000 0-2766-E 0EE-25-8

A 3MTC4 SLTB 120V 3MTC4 1 120 0.00 000000 0-2766-E 0EE-25-8

SFP #3C DISCH. PRESS. XMTR. #3SF-PT0247

SFC #3C FLOW RATE XMTR. #3SF-FT0175

SFC #3C DISCH. TEMP. XMTR. #3SF-TT0098

SFC #3C DIFF PRESS. XMTR. #3SF-PT0250

RCMP #3A & #3B LOW FLOW XMTR #3RCWFT0167

RCMP #3A & #3B WIDE FLW XMTR #3RCWFT0168

RCMP #3A & #3B HEAD PR XMTR #3RCWPT0246

RCMC #3A DISCH. TEMP XMTR #3RCMTT0096

RCMC #3B DISCH TEMP XMTR #3RCMTT0097

RCM SURGE TANK LEVEL XMTR #3RCMLT0127

CCMP #3A & #3B LOW FLOW XMTR #3CCWFT0169

CCMP #3A & #3B WIDE FLW XMTR #3CCWFT0170

3KM 33 3 FDBKR UNIT 3 PA SYSTEM AMPLIFIERS (REACTOR BUILDING) 3 208 14.00 000000 0-860-L

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

PAGE 5

ALTERNATE POWER SOURCE

NORMAL POWER SOURCE
 3XS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELEDS
 ONE-LINE DHG NO F4059

3KM
 COORD LOC I-90

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA MVA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
A	BKR BKR REACT BLDG	PA AMPLIFIER REACTOR BLDG EL. 861' + 6"	PA AMPLIFIER REACTOR BLDG EL. 844' + 0"	120 120	7.00 7.00	Ø-860-L Ø-860-L	
B	BKR BKR REACT BLDG	PA AMPLIFIER REACTOR BLDG EL. 825' + 0"	PA AMPLIFIER REACTOR BLDG EL. 796' + 6"	120 120	7.00 7.00	Ø-860-L Ø-860-L	
C	BKR BKR REACT BLDG	PA AMPLIFIER REACTOR BLDG EL. 775' + 0"	PA AMPLIFIER REACTOR BLDG EL. 775' + 0"	120 120	7.00 7.00	Ø-860-L Ø-860-L	
D	BKR BKR REACT BLDG	UNIT 3 PA SYSTEM AMPLIFIERS (TURBINE & AUXILIARY BLDGS)	PA AMPLIFIER TURBINE BLDG EL. 796' + 6" COL. J-47	208 120	56.00 7.00	Ø-860-L Ø-860-L	
E	BKR BKR REACT BLDG	PA AMPLIFIER TURBINE BLDG EL. 822' + 0" COL D-47	PA AMPLIFIER TURBINE BLDG EL. 796' + 6" COL D-47	120 120	7.00 7.00	Ø-860-L Ø-860-L	
	BKR BKR TURB BLDG	PA AMPLIFIER TURBINE BLDG EL. 775' + 0" COL D-47	PA AMPLIFIER TURBINE BLDG EL. 775' + 0" COL D-47	120 120	7.00 7.00	Ø-860-L Ø-860-L	

3KM
 34
 5

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR

ALTERNATE POWER SOURCE

PAGE 6
 3/17/89

NORMAL POWER SOURCE
 3XS2 R2CB

208Y/120 VAC RB MONITOR-
 ING EQUIP POWER PANELBDS
 ONE-LINE DMC NO F4059

BLDG AUX ELEV 813 COORD LOC I-90

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
F	BKR TURB BLDG		PA AMPLIFIER TURBINE BLDG EL. 775'+ 0" COL J-47	1 120	7.00 000000	Ø-860-L	
G	BKR AUX BLDG		PA AMPLIFIER AUX BLDG EL. 838'	1 120	7.00 000000	Ø-860-L	
H	BKR AUX BLDG		PA AMPLIFIER AUX BLDG EL. 822'	1 120	7.00 000000	Ø-860-L	
I	BKR AUX BLDG		PA AMPLIFIER AUX BLDG EL. 809'+ 3"	1 120	7.00 000000	Ø-860-L	
J	BKR AUX BLDG		PA AMPLIFIER AUX BLDG EL. 796'+ 6"	1 120	7.00 000000	Ø-860-L	
K	BKR AUX BLDG		PA AMPLIFIER AUX BLDG EL. 783'+ 9"	1 120	7.00 000000	Ø-860-L	
L	BKR AUX BLDG		PA AMPLIFIERS AUX BLDG EL. 771'+ 0"	1 120	14.00 000000	Ø-860-L	
M	BKR AUX BLDG		PA AMPLIFIER AUX BLDG EL. 758'+ 10"	1 120	7.00 000000	Ø-860-L	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 CONE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 30CB 4B

PAGE 3/17/89
 7

NORMAL POWER SOURCE
 3DCA 4B

240/120 VAC 1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DNG NO F4059

BLDG AB ELEV 809+00 COORD LOC R-8S

COMMENTS

VOLTS FLA D/P M/D
 PHASE NOA D/P ELEM
 DEVICE ELEM

DEVICE DESCRIPTION

0-2712-D

1 120 0.00
 1 000000

COMPUTER TYPERS &
 COUNTERS

0-2759-F
 CM-346-52

1 120 11.00
 1 000000

ISO TRANSFER DIODE
 3ADE

1 120 0.00
 1 000000

UNIT 3 COMPUTER
 CAB G4 GRAPHIC
 DISPLAY

0-2790-A

1 120 0.00
 1 000000

COMPUTER DATANET
 CAB

0-2752-A53
 OEE-353-1

1 120 0.00
 1 000000

INDICATING LIGHTS
 FOR CORE FLOODING
 VLV. #3/53/42

0-2756-H

1 120 0.00
 1 000000

FIRE DETECTION
 SYSTEM

1 120 0.00
 1 000000

LINE PRINTER

1 120 0.00
 1 000000

CARD READER

1 120 0.00
 1 000000

PERIPHERAL TABLE
 TYPERS, READERS &
 PUNCH

1 120 0.00
 1 000000

CARD PUNCH

0-2711-D

1 120 0.00
 1 000000

COMP CRT DISPLAY,
 MISC REC, PLANT TV
 SYS & RB COMP ISOL

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB 4B

ALTERNATE POWER SOURCE
 3DCB 4B

PAGE 8
 3/17/89

NORMAL POWER SOURCE
 3DCA 4B

240/120 VAC 1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
A	SLTB BT1 3AB3A		RECPACTLE #PRI ON #3UB1	120	1.50 000000	Ø-2713-K	
B	SLTB BT3 3AB3A		COMPUTER GOMG #AS2	120	0.00 000000	Ø-2713-K	
C	SLTB BT5 3AB3A		TREND RECORDER #TR1 ON #3UB1	120	0.18 000000	Ø-2713-K	
D	SLTB BT7 3AB3A		SIGNAL INDICATOR #I18	120	0.00 000000	Ø-2713-K	
E	SLTB AD36 3UB2		RECPACTLES #PR2 & #PR2A ON #3UB2	120	3.00 000000	Ø-2711-K	
F	SLTB AD42 3UB2		TREND RECORDER #TR2 ON #3UB2	120	0.18 000000	Ø-2711-K	
G	SLTB AD44 3UB2		TREND RECORDER #TR3 ON #3UB2	120	0.18 000000	Ø-2711-K	
H	SLTB AD46 3UB2		TREND RECORDER #TR4 ON #3UB2	120	0.18 000000	Ø-2711-K	
I	SLTB AD50 3UB2		COMP. ISOLATOR FOR RB RAD. MONITOR	120	0.04 000000	Ø-2711-K OEE-323-1	
J	SLTB AD58 3UB2		COMP. ISOLATOR FOR RB LEVEL	120	0.04 000000	Ø-2711-K OEE-358-22	
K	SLTB AD60 3UB2		COMP. ISOLATOR FOR RB PRESSURE	120	0.04 000000	Ø-2711-K OEE-358-23	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB 4B

PAGE 3/17/89 9

NORMAL POWER SOURCE
 3DCA 4B

3KU
 240/120 VAC 1PH COMPUTER
 POWER PANELBOARD
 ONE-LINE DIAG NO F4059

BLDG AB ELEV 809+00 COORD LOC R-88

COMMENTS

D/P M/D
 D/P ELEM
 DEVICE ELEM

BUS
 COMPT
 UNIT

TYPE UNIT
 DIST PT
 D/P LOC

LOAD TITLE
 BRANCH TITLE

DEVICE DESCRIPTION

1 120 0.00
 0.00000

PERFORMANCE PANEL,
 TYPER PT4-CRT &
 TREND RECORDERS

2 240 0.00
 0.00000

COMPUTER CAB P-1

2 240 0.00
 0.00000

FIRE DETECTION
 TABULATION (FIRE
 DET. SYSTEM)

1 120 0.00
 0.00000

ICS CABINET # 7

2 240 0.00
 0.00000

COMPUTER CAB #P-1

2 240 0.00
 0.00000

SPARE

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB

ALTERNATE POWER SOURCE
 3DCB 3F

PAGE 10
 3/17/89

NORMAL POWER SOURCE
 3DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 3KX
 ONE-LINE DHG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

3KX COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
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3KX 01 3	FDBKR	ELECTRO-HYDRAULIC CONTROL CAB	ELECTRO-HYDRAULIC CONTROL CAB	120	0.00 000000	Ø-2771-A ØEE-321-45	
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A	SWITCH S1 EHC CAB	ELECTRO-HYDRAULIC CONTROL CABINET	ELECTRO-HYDRAULIC CONTROL CABINET	120	0.00 000000	Ø-2771-A ØEE-321-45	
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RELAY CIRCUIT FOR TURB STOP TEST SOL VLV

3KX 02 3	FDBKR	TURBINE SUPER CAB 3TSI	TURBINE SUPER CAB	120	3.00 000000	Ø-2772-L	
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3KX 03 3	FDBKR	UNIT CONTROL BDS #3UB1 & #3UB2 MISC RECORDERS & INSTR.	UNIT CONTROL BDS #3UB1 & #3UB2 MISC RECORDERS & INSTR.	120	1.41 000000	Ø-2711-D	
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A	SLTB A35 3UB1	SOURCE & INTERIM RANGE LEVEL RECORDER	SOURCE & INTERIM RANGE LEVEL RECORDER	120	0.42 000000	Ø-2711-D	
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B	SLTB A50 3UB1	POWER RANGE LEVEL RECORDER	POWER RANGE LEVEL RECORDER	120	0.33 000000	Ø-2711-D	
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C	SLTB AD40 3UB2	INCORE DETECTOR RECORD-R & SWITCH- ING UNIT	INCORE DETECTOR RECORD-R & SWITCH- ING UNIT	120	0.66 000000	Ø-2711-K	
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3KX 04 3	FDBKR	FEEDWATER PUMP TURBINE #3A TACH.	FEEDWATER PUMP TURBINE #3A TACH.	120	0.17 000000	Ø-2776-A ØEE-346-16	
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3KX 05 3	FDBKR	COMPUTER TRANSDUC- ER BACK-UP SUPPLY	COMPUTER TRANSDUC- ER BACK-UP SUPPLY	120	0.00 000000	Ø-2789-B	
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3KX 06 3	FDBKR	FEEDWATER PUMP TURBINE #3B TACH.	FEEDWATER PUMP TURBINE #3B TACH.	120	0.17 000000	Ø-2776-B ØEE-346-16	
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LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB 3F

PAGE 11
 3/17/89

NORMAL POWER SOURCE
 3DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

BUS COMPT UNIT	TYP/ UNIT DIS/ PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVI CE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
3KX 07 3	F72KR		FWPT # 3A MOTOR CONTROL UNIT	1 120	5.05 000000	0-2776-C 0EE-346-6	
			FWPT #3A MCU TRANSDUCER #3MT73			0EE-346-6	
			FWPT #3A MTR CONTROL UNIT			0EE-346-6	
A	SLTB 1 FNPT3A MCU		FWPT #3A MOTOR CONTROL UNIT	1 120	5.00 000000	0-2776-C 0EE-346-6	
			FWPT # 3B MOTOR CONTROL UNIT	1 120	5.05 000000	0-2776-C 0EE-346-7	
			FWPT #3B MCU TRANSDUCER #3MT74			0EE-346-7	
			FWPT #3B MTR CONTROL UNIT			0EE-346-7	
A	SLTB 1 FNPT3B MCU		FWPT #3B MOTOR CONTROL UNIT	1 120	5.00 000000	0-2776-C 0EE-346-7	
			RECORDERS ON VERT. BDS #3VB1, #3VB2 & #3VB3	1 120	9.08 000000	0-2714-G	
A	SLTB CF1 3VB1		BRG OIL PRESS, HYD. OIL PRESS & COND VAC RECORDER	1 120	0.33 000000	0-2714-G	
B	SLTB CF16 3VB1		UST LEVEL & CST LEVEL RECORDER	1 120	0.23 000000	0-2714-G	
C	SLTB CF31 3VB1		CONDENSATE FLOW & HOTWELL LEVEL RECORDER	1 120	0.23 000000	0-2714-G	
D	SLTB CF40 3VB1		REHEATER TUBE LEAK DETECTOR RECORDER	1 120	0.33 000000	0-2714-G	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB 5F

ALTERNATE POWER SOURCE
 3DCB 5F

NORMAL POWER SOURCE
 3DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG 2B ELEV 809+00 COORD LOC R-88

3/17/89
 12
 PAGE

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DESCRIPTICN	VOLTS PHASE	FLA NO	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
E	SLTB CFB1 3VB1		INCORE DETECTOR SWITCHING UNIT	1 120	0.33 000000	0-2714-G	
F	SLTB CFB3 3VB1		RC PUMP TEMP & PRESSURE SWITCHING UNIT	1 120	0.33 000000	0-2714-G	
G	SLTB CD23 3VB1		CONDENSATE CONDUCTIVITY RECORDER	1 120	0.42 000000	0-2714-F	
H	SLTB CN29 3VB1		REACTOR BLDG TEMP RECORDER	1 120	0.33 000000	0-2714-H	
I	SLTB CN31 3VB1		INCORE DETECTOR RECORDER	1 120	0.33 000000	0-2714-H	
J	SLTB CN33 3VB1		RC PUMP TEMP & PRESS RECORDER	1 120	0.33 000000	0-2714-H	
K	SLTB CV80 3VB3		FWPT #3A & #3B CONTROL OIL PRESS RECORDER	1 120	0.23 000000	0-2714-P	
L	SLTB CV70 3VB3		FWPT #3A & #3B HYDR OIL PRESS RECORDER	1 120	0.23 000000	0-2714-P	
M	SLTB CV60 3VB3		FWPT #3A & #3B BRG OIL PRESS RECORDER	1 120	0.23 000000	0-2714-P	
N	SLTB CV50 3VB3		FWPT #3A & #3B SPEED RECORDER	1 120	0.33 000000	0-2714-P	
O	SLTB CV1 3VB3		FWPT #3A & #3B VIBRAT & ECCENT. RECORDER	1 120	0.33 000000	0-2714-P	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB 3F

ALTERNATE POWER SOURCE
 3DCB 3F

3/17/89
 13

NORMAL POWER SOURCE
 3DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
P	SLTB CV82 3VB3		RCP SEAL INJECTION FLOW RECORDER	120	0.23 000000	0-2714-P	
Q	SLTB CV84 3VB3		QUENCH TANK TEMP, PRESS & LEVEL RECORDER	120	0.23 000000	0-2714-P	
R	SLTB CU1 3VB3		FMPT #3A & #3B BRG OIL TEMP SWITCHING UNIT	120	0.33 000000	0-2714-P	
S	SLTB CU29 3VB3		FMPT #3A & #3B BRG OIL TEMP RECORDER	120	0.33 000000	0-2714-P	
T	SLTB CRI 3VB2		LOW PRESS SERVICE WATER RECORDER & SWITCHING UNIT	120	0.33 000000	0-2714-L	
			SOLENOID VALVE #SV170			0-2795-C	
			SOLENOID VALVE #SV171			0-2795-C	
			SOLENOID VALVE #SV172			0-2795-C	
			SOLENOID VALVE #SV173			0-2795-C	
			SOLENOID VALVE #SV174			0-2795-C	
			SOLENOID VALVE #SV175			0-2795-C	
U	SLTB CR72 3VB2		AUX BLDG GAS RECORDER & SWITCH- ING UNIT	120	0.33 000000	0-2714-L	
			SOLENOID VALVE #SV176			0-2795-C	
			SOLENOID VALVE #SV177			0-2795-C	
			SOLENOID VALVE #SV178			0-2795-C	

LIST NUMBER 08A
 PLANT CODE = OCN
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D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB 3F

PAGE 14
 3/17/89

NORMAL POWER SOURCE
 3DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
			SOLENOID VALVE #SV179			0-2795-C	
			SOLENOID VALVE #SV180			0-2795-C	
3KX 10 3	FDBKR	TRANSUCERS IN PNL #UC7		120	0.00	0-2792-D 0EE-311-8	
		TRANSUCER #3ET2,UNIT 3 MM			0.00000	0-2792-A	
		TRANSUCER #3ET3,UNIT 3 MM				0-2792-A	
		TRANSUCER #3ET4, UNIT 3 MVAR				0-2792-A	
		TRANSUCER #3ET5 UNIT 3 MM LOAD REC.				0-2792-A	
		TRANSUCER #3ET46,UNIT 3 MVAR				0-2792-A	
		TRANSUCER #3ET53,UNIT 3 MM				0-2792-A	
		TRANSUCER #3ET66,XFMR #CT3 OIL TEMP				0-2792-D	
		TRANSUCER #3ET67,XFMR #CT3 MNDG TEMP				0-2792-D	
		TRANSUCER #3ET68,XFMR#3T OIL TEMP				0-2792-D	
		TRANSUCER #3ET69,XFMR #3T MNDG TEMP				0-2792-D	
A	SLTB D40 3EB2	E-A RECORDER #3		120	0.00	0-2715-B 0EE-311-8	
B	SLTB C15 3EB6	L&N FREQUENCY RE- CORDER		120	0.00	0-2715-F 0EE-311-8	
C	SLTB C5 UC7	MISC TRANSUCERS ON PNL #UC7		120	0.00	0-2792-D 0EE-311-8	
D	SLTB A11 UC7C5	MISC TRANSUCERS ON PNL #UC7C5		120	0.00	0-2792-A 0EE-311-8	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR 3DCB 3F

3/17/89
 15

NORMAL POWER SOURCE
 3DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DMG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

ALTERNATE POWER SOURCE
 3DCB 3F

COMMENTS

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS FLA NOA	D/P M/D D/P ELEM DEVICE ELEM
E	SLTB D39 3EB2		WATT HOUR METER FOR XFMR #3	120 0.00 000000	0-2715-B 0EE-311-8A
F	SLTB D12 3EB3		WATT HOUR METER FOR XFMR #3T	120 0.00 000000	0-2715-C 0EE-311-3A
G	SLTB C15 3EB1		WATT HOUR METER FOR XFMR #CT5	120 0.00 000000	0-2715-A 0EE-311-8A
3KX 11 3	FDBKR		RCP AUX CABINET #3RCP C1	120 0.00 000000	0-2720-A 0EE-350-9
			ZERO SPEED SWITCH #0S1		0EE-350-9
			ZERO SPEED SWITCH #0S2		0EE-350-9
			ZERO SPEED SWITCH #0S3		0EE-350-9
			ZERO SPEED SWITCH #0S4		0EE-350-9
			ZERO SPEED SWITCH #0S5		0EE-350-9
			ZERO SPEED SWITCH #0S6		0EE-350-9
			RELAY CIRCUIT FOR ZERO SPEED SWITCHES		0EE-350-9
			TIMERS FOR SPEED SWITCHES		0EE-350-9
3KX 12 3	FDBKR		RECORDERS ON AUX. CONTR BDS #3AB3, #3AB2A & #3AB3A	120 0.00 000000	0-2713-N
A	SLTB FL13 3AB3		UNIT 3 STACK FLOW INDICATOR	120 0.00 000000	0-2713-N
B	SLTB FL11 3AB3		RB PURGE FLOW RECORDER	120 0.18 000000	0-2713-N

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST
 3KX

SAFETY CLASS NE
 SAFETY COLOR 30CB 3F

PAGE 16
 3/17/89

NORMAL POWER SOURCE
 30CA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DWG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

ALTERNATE POWER SOURCE
 30CB 3F

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VGLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
		FLOW LOOP FOR XMTR #3FT150				0-2776-D	
		FLOW LOOP FOR XMTR #3FT151				0-2776-D	
		PRESSURE LOOP FOR XMTR #3PT240				0-2776-D	
		PRESSURE LOOP FOR XMTR #3PT241				0-2776-D	
		PRESSURE LOOP FOR XMTR #3CSP238				0-2737-F	
C	SLTB FL9 3AB3		UNIT 3 STACK FLOW RECORDER	120	0.00 000000	0-2713-N	
D	SLTB FL15 3AB3		WASTE GAS DECAY TANK RECORDER	120	0.33 000000	0-2713-N	
E	SLTB FO3 3AB3		TURB BRG OIL TEMP RECORDER SWITCHING UNIT	120	0.33 000000	0-2713-0	
F	SLTB FO1 3AB3		TURB VIBRATION & ECCENTR. RECORDER SWITCHING UNIT	120	0.33 000000	0-2713-0	
G	SLTB BG71 3AB3A		MAIN STEAM TEMP RECORDER	120	0.33 000000	0-2713-I	
H	SLTB BG73 3AB3A		UNIT LOAD RECORDER	120	0.42 000000	0-2713-I	
I	SLTB BG75 3AB3A		DECAY TANK PRESS RECORDER	120	0.00 000000	0-2713-I	
J	SLTB FF26 3AT3		TURB BRG OIL TEMP RECORDER	120	0.33 000000	0-2713-M	

LIST NUMBER 08A
 PLANT CODE = OCN
 FILE ID = A6

DUKE POWER COMPANY
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 17

ALTERNATE POWER SOURCE
 3DCB 3F

NORMAL POWER SOURCE
 3DCA 3F

120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
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K	SLTB FF24 3AT3		TURBINE EXPANSION RECORDER	120	0.33 000000	Ø-2713-M	
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L	SLTB FF22 3AT3		TURBINE METAL TEMP RECORDER	120	0.33 000000	Ø-2713-M	
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K	SLTB FF20 3AT3		TURBINE SPEED & VALVE POSITION RECORDER	120	0.23 000000	Ø-2713-M	
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N	SLTB FF18 3AT3		UTILITY RECORDER	120	0.33 000000	Ø-2713-M	
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Ø	SLTB FF16 3AT3		TURB VIBRATION & ECCENTR. RECORDER	120	0.33 000000	Ø-2713-M	
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P	SLTB FF28 3AT3		GEN STATOR RTD SWITCHING CIRCUIT	120	0.35 000000	Ø-2713-M ØEE-313	
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Q	FUSE FU2 3AT3		GEN STATOR TEMP INDICATING CIRCUIT	120	0.00 000000	Ø-2713-M ØEE-313	
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3KX 13 3	FDBKR	RCP AUX CABINET #3RCPC2		120	0.00 000000	Ø-2720-A ØEE-350-10	
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		ZERO SPEED SWITCH #0S7				ØEE-350-10	
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		ZERO SPEED SWITCH #0S8				ØEE-350-10	
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		ZERO SPEED SWITCH #0S9				ØEE-350-10	
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		ZERO SPEED SWITCH #0S10				ØEE-350-10	
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		ZERO SPEED SWITCH #0S11				ØEE-350-10	
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LIST NUMBER 08A
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D U K E P O W E R C O M P A N Y
 OCONEE NUCLEAR STATION
 ELECTRICAL LOAD LIST

SAFETY CLASS NE
 SAFETY COLOR
 3/17/89
 PAGE 18

NORMAL POWER SOURCE 3DCA 3F
 120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DIAG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

ALTERNATE POWER SOURCE
 3DCB 3F

BUS COMPT UNIT	TYPE UNIT DIST PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICES DESCRIPTION	VOLTS PHASE	FLA NOA	D/P M/D D/P ELEM DEVICE ELEM	COMMENTS
			ZERO SPEED SWITCH #0S12			0EE-350-10	
			RELAY CIRCUIT FOR ZERO SPEED SWITCHES			0EE-350-10	
			TIMERS FOR SPEED SWITCHES			0EE-350-10	
			LEVEL TRANSMITTER #3L1109			0EE-350-10	
3KX 14 3	FDBKR		CONTROL ROD DRIVE CAB SL-2,BKR CB-1	120	0.00 000000	0-2782	
3KX 15 3	FDBKR		ALTERREX EXCITA- TION SYSTEM	120	0.00 000000	0-2773-B 0EE-311-11	
A	SLTB C11 3EB3		AUTO TRACKING CONTROL RELAY CIRCUIT			0EE-310-4	
			GEN FIELD GROUND DETECTING CIRCUIT	120	0.00 000000	0-2715-C 0EE-311-11	
			GEN. FIELD GND DETECTING RELAY CIRCUIT			0EE-311-11	
			GEN. FIELD GND DETECTING AUX RELAY CIR.			0EE-311-11	
B	SLTB C13 3EB3		EXCITER FIELD GND DETECTING CIRCUIT	120	0.00 000000	0-2715-C 0EE-311-11	
			EXCITER FIELD GND DETECTING RELAY CIR.			0EE-311-11	
			EXCITER FIELD GND DETECT. AUX RELAY CIR.			0EE-311-11	
C	SLTB BG61 3AB3A		GEN FIELD TEMP RECORDER & TRANS- MITTER	120	0.00 000000	0-2713-I 0EE-311-11	
D	BKR LSW1 GEN EXC PL		GEN EXCITER CONTR- OL CUBICLE LIGHTS	120	0.00 000000	0M-2312-8 SH 3	

NORMAL POWER SOURCE 3DCA 5F
 120 VAC-1PH AUXILIARY POW
 ER SYSTEM PANELBOARD
 ONE-LINE DNG NO F4059
 BLDG AB ELEV 809+00 COORD LOC R-88

BUS COMPT UNIT	TYPE UNIT D/P PT D/P LOC	LOAD TITLE BRANCH TITLE	DEVICE DESCRIPTION	VOLTS PHASE	FLA NOA	D/P W/D D/P ELEM DEVICE ELEM	COMMENTS
3KX 16 3	FDBKR		FMP1 #3A TURNING GEAR SOL	120	0.00	0-2776-A OEE-346-10	

3KX 17 3	FDBKR		SOLENOID VALVE #S1-1A RELAY CIRCUIT FOR TURNING GEAR #3A	120	0.00	OEE-346-10 OEE-346-10	

3KX 18 3	FDBKR		FMP1 # 3B TURNING GEAR SOL.	120	0.00	0-2775-A OEE-346-11	

3KX 19 3	FDBKR		SOLENOID VALVE #S1-1B RELAY CIRCUIT FOR TURNING GEAR #3B	120	0.00	OEE-346-11 OEE-346-11	

3KX 20 3	FDBKR		TV SYSTEM UNIT # 3	120	0.00	0-2796	

3KX 21 3	FDBKR		ISO TRANSFER DIODE 3ADG	120	11.00	0-2759-F OM-346-52	

3KX 22 3	FDBKR		INDICATING LIGHTS FOR CORE FLOODING VLV #3/53/41	120	0.00	0-2752-A33 OEE-353	

3KX 23 3	FDBKR		SPARE	120	0.00		

3KX 24 3	FDBKR		CRD PRIMARY TRIP BREAKER ASSY UNIT 11	120	0.00	0-2782-L	

3KX 25 3	FDBKR		SPARE	120	0.00		

3KX 26 3	FDBKR		SPARE	120	0.00		

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