

ATTACHMENT I

**NON-ESSENTIAL LOADS STRIPPED WITHIN 30 MINUTES
INTO THE STATION BLACKOUT EVENT**

ATTACHMENT I

Non-Essential Loads Stripped Within 30 Minutes Into The Station Blackout Event

UNIT 1 PNLBD

BKR LOAD

1KI

- 1 ICS Hand power
- 2 Isolation transfer diode 1ADF
- 3 Emergency power for MFDW flow indication for ICS
- 4 Movable Incore detector control cabinet
- 5 ICS emergency power
- 6 CRD primary trip breaker assembly
- 8 Simulator power ICS
- 9 ICS emergency steam generator level control
- 10 Nuclear Instrumentation 5th channel
- 11 Statalarms 1SA 7,8,9 & 10
- 12 Battery ground detector lights
- 13 Keowee-Oconee interface cabinet KOICA
- 14 Keowee-Oconee interface cabinet KOICB
- 18 Transducer cabinet 1TDC3
- 20 RX Bldg. level, pressure, & radiation computer isolation
- 25 ICS Auto power

1KU

- 1 Computer typers & counters lamp bank
- 2 Isolation transfer diode 1ADE
- 3 Computer cabinet G4 graphic display
- 4 Computer Datanet cabinet
- 5 Core flood valve 1/53/42
- 7 Computer clock
- 11 Computer CRT display & plant CCTV system
- 12 Performance panel, typer, CRT & trend recorder
- 13 Computer cabinet P-1
- 14 Fire protection system
- 15 Computer cabinet P-1
- 16 Local area network cabinet AP00
- 17 Line printer
- 18 Statalarms 1SA6 & 13
- 19 ICS cabinet 9
- 22 Transient Monitor cabinet

1KX

- 1 Electro-hydraulic control cabinet
- 2 Turbine supervisory cabinet
- 4 FDWP Turbine 1A tachometer
- 5 Computer transducer back-up power
- 6 FDWP Turbine 1B tachometer
- 7 FDWPT 1A motor control unit
- 8 FDWPT 1B motor control unit

PNLBD

1KX cont.

- | | <u>BKR</u> | <u>LOAD</u> |
|----|-------------------|---|
| 9 | | Recorders (vert. bds.) & field ground detectors |
| 10 | | Watt hour meter counters |
| 11 | | Switchyard statalarms |
| 12 | | Area Evacuation alarm |
| 13 | | Vital power statalarms |
| 14 | | CRD cabinet SL2 breaker CB1 |
| 15 | | Alterex excitation system |
| 16 | | Unit 1 & 2 TV systems |
| 17 | | Recorders (aux. benchboard) |
| 18 | | Plant statalarms 1SA5 & 12 |
| 19 | | Isolation transfer diode 1ADG |
| 20 | | Core flood valve 1/53/41 |
| 21 | | FWPT 1A turning gear |
| 22 | | FWPT 1B turning gear |
| 23 | | CRD primary trip breaker assembly unit |

UNIT 2**PNLBD**

2KI

- | | <u>BKR</u> | <u>LOAD</u> |
|----|-------------------|---|
| 1 | | ICS Hand power |
| 2 | | Isolation transfer diode 2ADF |
| 3 | | Emergency power for MFDW flow indication for ICS |
| 5 | | ICS emergency power |
| 6 | | CRD primary trip breaker assembly |
| 9 | | ICS emergency steam generator level control |
| 10 | | Nuclear Instrumentation 5th channel |
| 11 | | Statalarms 2SA 7,8,9 & 10 |
| 12 | | Battery ground detector lights |
| 18 | | Transducer cabinet 2TDC3 |
| 20 | | RX Bldg. level, pressure, & radiation computer isolations |
| 25 | | ICS Auto power |

2KU

- | | | |
|----|--|--|
| 1 | | Computer typers & counters lamp bank |
| 2 | | Isolation transfer diode 2ADE |
| 3 | | Computer cabinet G4 graphic display |
| 4 | | Computer Datanet cabinet |
| 5 | | Core flood valve 2/53/42 |
| 6 | | Fire detection system |
| 8 | | Statalarms 2SA 6 & 13 |
| 9 | | Peripheral table typers, readers, and punch |
| 11 | | Computer CRT, recorder, isolators, & plant TV system |
| 12 | | Performance panel, typer, PT4, CRT & recorders |
| 13 | | Computer cabinet P-1 |
| 21 | | ICS cabinet 7 |
| 22 | | Unit 1 Transient Monitor |
| 25 | | Computer cabinet P-1 |

PNLBDBKR LOAD

2KX

- 1 EHC cabinet
- 2 Turbine supervisory cabinet
- 4 FWPT 2A tachometer
- 5 Computer transducer back-up supply
- 6 FWPT 2B tachometer
- 7 FWPT 2A motor control unit
- 8 FWPT 2B motor control unit
- 9 Recorders (vert. bd.)
- 10 Watt hour meter counters
- 12 Recorders (aux. benchboard)
- 13 Vital power statalarms
- 14 CRD cabinet SL2 breaker CB1
- 15 Alterex excitation system
- 16 FWPT 2A turning gear
- 17 FWPT 2B turning gear
- 18 Stalarms 2SA5
- 19 Isolation transfer diode 2ADG
- 20 Core flood valve 2/53/41
- 22 CRD primary trip breaker assembly unit

UNIT 3

PNLBDBKR LOAD

3KI

- 1 ICS Hand power
- 2 Isolation transfer diode 3ADF
- 3 ICS Emergency power for MFDW flow indication
- 5 ICS emergency power
- 6 CRD primary trip breaker assembly
- 9 ICS emergency steam generator level control
- 10 Nuclear Instrumentation 5th channel
- 12 Battery ground detector lights
- 18 Transducer cabinet 3TDC3
- 20 RX Bldg. level, pressure, & radiation computer isolation
- 25 ICS Auto power

3KU

- 1 Computer typers & counters lamp bank
- 2 Isolation transfer diode 3ADE
- 3 Computer cabinet G4 graphic display
- 4 Computer Datanet
- 5 Core flood valve 3/53/42
- 6 Fire detection system
- 10 Card punch
- 11 CRT displays, CCTV, and isolations.
- 12 Performance panel, typer, PT4, CRT & recorders
- 13 Computer cabinet P-1
- 14 Fire detection system
- 21 ICS cabinet 7

| <u>PNLBD</u> | <u>BKR</u> | <u>LOAD</u> |
|--------------|------------|------------------------------------|
| 3KU cont. | 22 | Unit 2 Transient Monitor |
| | 25 | Computer cabinet P-1 |
| 3KX | 1 | EHC control cabinet |
| | 2 | Turbine supervisory cabinet |
| | 3 | Recorders (unit control bd.) |
| | 4 | FWPT 3A tachometer |
| | 5 | Computer transducer back-up supply |
| | 6 | FWPT 3B tachometer |
| | 7 | FWPT 3A motor control unit |
| | 8 | FWPT 3B motor control unit |
| | 9 | Recorders (vert. bd.) |
| | 10 | Transducers UTCT7 |
| | 11 | RCP aux. cabinet 3RCP1 |
| | 12 | Recorders (aux. control board) |
| | 13 | RCP aux. cabinet 3RCP2 |
| | 14 | CRD cabinet SL2 breaker CB1 |
| | 15 | Alterex excitation system |
| | 16 | FWPT 3A turning gear |
| | 17 | FWPT 3B turning gear |
| | 18 | TV system Unit 3 |
| | 19 | Isolation transfer diode 3ADG |
| | 20 | Core flood valve 3/53/41 |
| | 22 | CRD primary trip breaker assembly |
| | 23 | RC bleed storage 3AT2 |

ATTACHMENT II

**LOADS ON THE VITAL BUSES AVAILABLE DURING
AN SBO SCENARIO**

ATTACHMENT II

Loads On The Vital Buses Available During An SBO Scenario

Unit 1 PNLBD

BKR LOAD

1DIA

- 1 Transformer CT4 Mulsifyre
- 2 Keowee emergency start channel A
- 3 600V load center 1X8
- 4 Emergency power switching logic panel
- 5 Main feeder bus monitor relay panel
- 6 Electro-hydraulic control terminal cabinet
- 7 EHC Control
- 8 Lock-out for transformer CT1
- 9 Lock-out for transformer CT4
- 11 Keowee-Oconee interface channel A
- 12 CRD AC trip check box
- 13 Normal undervoltage transfer channel A
- 14 Start-up undervoltage transfer channel A
- 15 Load shedding channel A
- 17 Battery test control box
- 18 6900V switchgear 1TB trip
- 19 CCW & vacuum priming
- 20 Condensate DC interlocks
- 21 Transformer CT5 Mulsifyre
- 22 Transformer 1T & CT1 Mulsifyre
- 24 CRD primary trip breaker assembly
- 25 4160V switchgear 1TC close-trip unit 1
- 26 4160V switchgear BIT close-trip
- 27 Standby bus #1 undervoltage phase A
- 28 Standby bus #2 undervoltage phase A
- 31 6900V swgr 1TA close-trip
- 32 4160V swgr 1TD trip
- 33 9.3KVA static inverter 1DIA

1DIB

- 1 EFWT 1A & 1B Mulsifyre
- 2 Keowee emergency start-up channel 1B
- 3 Turbine misc. controls
- 4 Keowee-Oconee interface channel B
- 5 Main feeder bus monitor relay panel
- 6 Unit 1 annunciator reflash
- 7 Unit 1 main relaying
- 8 Lockout for tansformer CT5
- 9 Standby bus #1 undervoltage phase B
- 10 EFWP valve FW-315
- 11 Normal undervoltage transfer channel B
- 12 Start-up undervoltage transfer channel B

PNLBDBKR LOAD

1DIB cont.

- 13 Load shedding channel B
- 15 4160V swgr 1TC trip
- 16 4160V swgr 1TE trip
- 17 6900V swgr 1TB close-trip
- 18 RCP vibration switch reset & aux vent fans
- 19 CRD AC breaker trip circuit box
- 20 600V load center 1X9
- 21 Standby bus #2 undervoltage phase A
- 23 CRD primary breaker assembly
- 24 Pressurizer relief valve
- 25 Engineered safeguards even channels
- 26 6900V swgr 1TA trip
- 27 Reactor bldg cooling units vibration switches
- 28 Unit interface controller panel 1EBB
- 31 4160V swgr BIT trip
- 32 4160V swgr 1TD close-trip
- 33 9.3KVA static inverter 1DIB

1DIC

- 2 Keowee data multiplex cabinet No. KMC2
- 3 4160V swgr 1TE unit 13 load shed complete relays
- 5 Unit 1 backup relaying
- 6 Esterline-Angus recorder
- 7 Normal undervoltage transfer channel C
- 8 Startup undervoltage transfer channel C
- 9 Main feeder bus monitor undervoltage logic
- 10 13.8KV undervoltage alarm
- 11 Standby bus #1 undervoltage phase C
- 12 Control power for UCB#101
- 13 EFWP discharge to S/G 1B valve FDW-316
- 14 Standby bus no.2 undervoltage phase B
- 15 CRD DC breaker trip circuit box
- 16 600V load center 1X2
- 17 600V load center 1X4
- 18 600V load center 1X6
- 19 RCP seal injection interlocks
- 20 B2T coil monitoring
- 21 Standby bus no.1 undervoltage alarm
- 22 Emergency airlock control panel
- 23 Unit 1 alterex
- 25 4160V swgr B1T trip
- 26 4160V swgr B2T close-trip
- 27 4160V swgr B2T close-trip
- 28 4160V swgr 1TE close-trip

1DID

- 2 Keowee data multiplex cabinet KMC1
- 4 Events recorder
- 5 RCP startup interlocks
- 6 CRD DC breaker trip circuit box

PNLBDBKRLOAD

1DID cont.

- 7 DC test supply
- 9 Main feeder bus monitor undervoltage
- 10 Keowee data multiplex gate position & control
- 11 RCP 1A1 & 1A2 aux cabinet RCPC1
- 12 RCP 1B1 & 1B2 aux cabinet RCPC2
- 13 600V load center 1X1
- 14 600V load center 1X3
- 15 600V load center 1X5
- 16 600V load center 1X7
- 18 B1T coil monitoring
- 20 DC breaker status lights
- 21 Standby bus-2 undervoltage alarm
- 22 Personnel airlock control panel
- 23 H2 & SCWP
- 25 4160V swgr B1T trip
- 26 Oconee central supervisory
- 27 4160V swgr B2T close-trip
- 28 4160V swgr B2T trip
- 33 9.3KVA static inverter 1DID

1KVIA

- 1 Nuclear Instrumentation/Reactor Protection System no. 1A
- 2 Engineered Safeguards no. 1A
- 3 Post Boron dilution flow sensor #1D
- 4 RC sample isolation valve
- 5 Level transmitter 1LT3P
- 6 Incore refueling receptacle A
- 7 RCP A power monitor
- 8 ICC cabinet train A
- 9 Boron dilution valve 1LP104
- 10 Rx Bldg evacuation alarm
- 11 Isolation transfer diode 1ADA
- 12 CRD primary trip breaker assembly unit 10
- 13 Safety valve monitor
- 14 CRD cabinet sl2 circuit breaker CB2
- 15 Process radiation monitoring units 1 & 2

1KVIB

- 1 NI/RPS no. 1B
- 2 Engineered safeguards no. 1B
- 3 Post Boron dilution flow sensor 1A
- 4 Rx Bldg sump level transmitter
- 5 Incore refueling receptacle B
- 6 Steam generator level control cabinet SGLC1
- 7 RCP B power monitor
- 8 PA system handset station OKHS1
- 9 Steam generator emergency FDW flow
- 10 Boron dilution valve heater 1LP105
- 12 Isolation transfer diode 1ADB

| <u>PNLBD</u> | <u>BKR</u> | <u>LOAD</u> |
|--------------|------------|---|
| 1KVIB cont. | 13 | ICC cabinet train B |
| | 14 | RC sample isolation valves 1RC-162 & 164 |
| 1KVIC | 1 | NI/RPS no. 1C |
| | 2 | Engineered Safeguards no. 1C |
| | 3 | Turbine stop valve test solenoids |
| | 4 | RCP power monitor |
| | 6 | Steam generator level control cabinet GLC1 |
| | 7 | Manual loader 1HPIML0064 |
| | 9 | Steam generator emergency FDW flow cabinet 1A |
| | 11 | Isolation transfer diode 1ADC |
| | 12 | CRD primary trip breaker assembly unit 11 |
| | 13 | HPI crossover flow transmitter |
| | 14 | RC sample isolation valve 1RC-163 |
| 1KVID | 1 | NI/RPS no. 1D |
| | 2 | RCP D power monitor |
| | 3 | CCW vacuum priming system |
| | 5 | Area evacuation alarm |
| | 6 | RCP no 1A1 & 1A2 alarm aux. |
| | 7 | RCP no 1B1 & 1B2 alarm aux. |
| | 8 | Oconee central supervisory tie exhaust fan |
| | 9 | EFWP steam admission valve |
| | 12 | Isolation transfer diode 1ADG |
| | 14 | CRD cabinet DC-2 |

Unit 2

| <u>PNLBD</u> | <u>BKR</u> | <u>LOAD</u> |
|--------------|------------|---|
| 2DIA | 2 | Keowee emergency start channel A |
| | 3 | 600V load center 2X8 |
| | 4 | Emergency power switching logic panel 2EPSLP1 |
| | 5 | Main feeder bus monitor relay panel |
| | 6 | Electro-hydraulic control terminal cabinet |
| | 7 | EHC Control |
| | 8 | Lock-out for transformer CT2 |
| | 12 | CRD AC trip check box |
| | 13 | Normal undervoltage transfer channel A |
| | 14 | Start-up undervoltage transfer channel A |
| | 15 | Load shedding channel A |
| | 18 | 6900V switchgear 2TB trip |
| | 19 | CCW & vacuum priming |
| | 20 | Condensate DC interlocks |
| | 22 | Transformer 2,2T & CT2 Mulsifyre |
| | 24 | CRD primary trip breaker assembly |
| | 25 | 4160V switchgear 2TC close-trip unit 11-13 |
| | 26 | 4160V switchgear BIT close-trip |
| | 27 | Standby bus #1 undervoltage phase A |

PNLBD BKR LOAD

2DIA cont. 28 Standby bus #2 undervoltage phase A
 31 6900V swgr 2TA close-trip
 32 4160V swgr 2TD trip
 33 9.3KVA static inverter 2DIA

2DIB 1 EFWT 2A & 2B Mulsifyre
 2 Keowee emergency start-up channel 1B
 3 Turbine misc. controls
 5 Main feeder bus monitor relay panel
 6 Unit 2 annunciator reflash
 7 Unit 2 main relaying
 9 Standby bus #1 undervoltage phase B
 10 4160V swgr 2TD unit 10
 11 Normal undervoltage transfer channel B
 12 Start-up undervoltage transfer channel B
 13 Load shedding channel B
 15 4160V swgr 2TC trip
 16 4160V swgr 2TE trip unit 14
 17 6900V swgr 2TB close-trip
 18 RCP vibration switch reset & aux vent fans
 19 CRD AC breaker trip circuit box
 20 600V load center 2X9
 21 Standby bus #2 undervoltage phase A
 23 CRD primary breaker assembly
 24 Pressurizer relief valve 2RV-67
 25 Engineered safeguards even channels
 26 6900V swgr 2TA trip
 28 Unit interface controller panel 2EBB
 31 4160V swgr BIT trip unit 11-13
 32 4160V swgr 2TD close-trip
 33 9.3KVA static inverter 2DIB

2DIC 3 4160V swgr 2TE unit 11 load shed complete relays
 5 Unit 1 backup relaying
 7 Normal undervoltage transfer channel C
 8 Startup undervoltage transfer channel C
 9 Main feeder bus monitor undervoltage logic
 10 4160V swgr 2TE unit 15
 11 Standby bus #1 undervoltage phase C
 14 Standby bus no.2 undervoltage phase B
 15 CRD DC breaker trip circuit box
 16 600V load center 2X2
 17 600V load center 2X4
 18 600V load center 2X6
 19 RCP seal injection interlocks
 21 Standby bus no.1 undervoltage alarm
 22 Emergency airlock control panel
 23 Unit 2 alterex

| <u>PNLBD</u> | <u>BKR</u> | <u>LOAD</u> |
|--------------|------------|--|
| 2DIC cont. | 26 | 4160V swgr B2T close-trip |
| | 28 | 4160V swgr 2TE close-trip |
| | 33 | 9.3KVA static inverter 2DIC |
| 2DID | 5 | RCP startup interlocks |
| | 6 | CRD DC breaker trip circuit box |
| | 9 | Main feeder bus monitor undervoltage |
| | 13 | 600V load center 2X1 |
| | 14 | 600V load center 2X3 |
| | 15 | 600V load center 2X5 |
| | 20 | DC breaker status lights |
| | 21 | Standby bus-2 undervoltage alarm |
| | 22 | Personnel airlock control panel |
| | 23 | H2 & SCWP |
| | 25 | 4160V swgr B1T trip |
| | 33 | 9.3KVA static inverter 2DID |
| 2KVIA | 1 | Nuclear Instrumentation/Reactor Protection System no. 2A |
| | 2 | Engineered Safeguards no. 2A |
| | 3 | Post Boron dilution flow sensor #2A |
| | 4 | RC sample isolation valve 2RC-165 |
| | 5 | Level transmitter 2LT3P |
| | 7 | RCP A power monitor |
| | 8 | ICC cabinet train A |
| | 10 | Rx Bldg evacuation alarm |
| | 11 | Isolation transfer diode 2ADA |
| | 12 | CRD primary trip breaker assembly unit 10 |
| | 13 | Safety valve monitor |
| | 14 | CRD cabinet SL2 circuit breaker CB2 |
| | 15 | Process radiation monitoring units 1 & 2 |
| 2KVIB | 1 | NI/RPS no. 2B |
| | 2 | Engineered safeguards no. 2B |
| | 3 | Post Boron dilution flow sensor 2B |
| | 4 | Rx Bldg. sump level terminal box |
| | 5 | Boron dilution valve heater 2LP104 |
| | 7 | RCP B power monitor |
| | 8 | Steam generator emergency FDW flow cabinet 2B |
| | 9 | RC sample isolation valves 2RC-162 & 164 |
| | 10 | Steam generator level control cabinet |
| | 12 | Isolation transfer diode 2ADB |
| | 13 | ICC cabinet train B |
| | 14 | LPSW decay heat cooler 2A control |
| 2KVIC | 1 | NI/RPS no. 2C |
| | 2 | Engineered Safeguards no. 2C |
| | 3 | Turbine stop valve test solenoids |
| | 4 | RCP C power monitor |

PNLBD BKR LOAD

| | | |
|-------------|----|---|
| 2KVIC cont. | 5 | Shift & I&E Shop communication fire brigade emergency radio |
| | 6 | Incore refueling receptacle 2A |
| | 7 | Manual loader 2HPIML0064 |
| | 8 | Steam generator emergency FDW flow cabinet 2A |
| | 9 | RC sample isolation valve 2RC-163 |
| | 10 | Steam generator level control cabinet |
| | 11 | Isolation transfer diode 2ADC |
| | 12 | CRD primary trip breaker assembly unit 11 |
| | 13 | HPI crossover flow transmitter |
| | 14 | LPSW Decay heat cooler control |

| | | |
|-------|----|-------------------------------------|
| 2KVID | 1 | NI/RPS no. 2D |
| | 2 | RCP D power monitor |
| | 3 | CCW vacuum priming system |
| | 4 | Temporary CCW vacuum priming system |
| | 5 | Incore refueling receptacle 2B |
| | 6 | RCP no 1A1 & 1A2 alarm aux. |
| | 7 | RCP no 1B1 & 1B2 alarm aux. |
| | 8 | EFWP steam admission valve |
| | 12 | Isolation transfer diode 2ADG |
| | 14 | CRD cabinet DC-3 |

Unit 3

PNLBD BKR LOAD

| | | |
|------|----|--|
| 3DIA | 2 | Keowee emergency start channel A |
| | 3 | 600V load center 3X8 |
| | 5 | Main feeder bus monitor relay panel |
| | 6 | Electro-hydraulic control terminal cabinet |
| | 7 | EHC Control |
| | 8 | Lock-out for transformer CT3 |
| | 9 | Emergency power switching logic 3EPSLP1 |
| | 11 | DC test circuit |
| | 12 | CRD AC trip check box |
| | 13 | Normal undervoltage transfer channel A |
| | 14 | Start-up undervoltage transfer channel A |
| | 15 | Load shedding channel A |
| | 18 | 6900V switchgear 3TB trip |
| | 19 | CCW & vacuum priming |
| | 20 | Condensate DC interlocks |
| | 22 | Transformer 3X,3Y,3Z,3S,3T & CT3 Mulsifyre |
| | 24 | CRD AC primary trip breaker assembly |
| | 25 | 4160V switchgear 3TC close-trip unit 1 |
| | 26 | 4160V switchgear 3BIT close-trip |
| | 27 | Standby bus #1 undervoltage phase A |
| | 28 | Standby bus #2 undervoltage phase A |
| | 30 | Plant annunciator system |
| | 31 | 6900V swgr 3TA close-trip |

PNLBDBKRLOAD

3DIA cont.

- 32 4160V swgr 3TD trip
- 33 9.3KVA static inverter 3DIA

3DIB

- 1 EFWT 3A & 3B Mulsifyre
- 2 Keowee emergency start-up channel 1B
- 3 Turbine misc. controls
- 5 Main feeder bus monitor relay panel
- 6 Unit 3 annunciator reflash
- 7 Unit 3 main relaying
- 9 Standby bus #1 undervoltage phase B
- 10 4160V swgr 3TD unit 0
- 11 Normal undervoltage transfer channel B
- 12 Start-up undervoltage transfer channel B
- 13 Load shedding channel B
- 14 CRD primary trip breaker assembly unit 11
- 15 4160V swgr 3TC trip
- 16 4160V swgr 3TE trip
- 17 6900V swgr 3TB close-trip
- 18 RCP vibration switch reset & aux vent fans
- 19 CRD AC breaker trip circuit box
- 20 600V load center 3X9
- 21 Standby bus #2 undervoltage phase A
- 23 LPIt01
- 24 Pressurizer relief valve 3RV-67
- 25 Engineered safeguards even channels
- 26 6900V swgr 3TA trip
- 27 Plant annunciator system 3SA6
- 31 4160V swgr 3BIT trip
- 32 4160V swgr 3TD close-trip
- 33 9.3KVA static inverter 3DIB

3DIC

- 2 Annunciators 3SA5 & 3SA20
- 3 4160V swgr 3TE unit 11 load shed complete relays
- 5 Unit 3 backup relaying
- 7 Normal undervoltage transfer channel C
- 8 Startup undervoltage transfer channel C
- 9 Main feeder bus monitor undervoltage logic
- 10 4160V swgr 3TE unit 0
- 11 Standby bus #1 undervoltage phase C
- 14 Standby bus no.2 undervoltage phase B
- 15 CRD DC breaker trip circuit box
- 16 600V load center 3X2
- 17 600V load center 3X4
- 18 600V load center 3X6
- 19 RCP seal injection interlocks
- 20 3B2T coil monitoring
- 21 Standby bus no.1 undervoltage alarm
- 22 Emergency escape hatch lighting

PNLBD BKR LOAD

| | | |
|------------|----|--------------------------------------|
| 3DIC cont. | 23 | Unit 3 alterex |
| | 27 | 4160V swgr 3B2T close-trip |
| | 28 | 4160V swgr 3TE close-trip |
| 3DID | 4 | Events recorder |
| | 5 | RCP startup interlocks |
| | 6 | CRD DC breaker trip circuit box |
| | 9 | Main feeder bus monitor undervoltage |
| | 11 | Aux instrument air compressor |
| | 13 | 600V load center 3X1 |
| | 14 | 600V load center 3X3 |
| | 15 | 600V load center 3X5 |
| | 17 | Unit 3 trans. alarms |
| | 18 | Swgr coil monitoring |
| | 20 | DC breaker status lights |
| | 21 | Standby bus-2 undervoltage alarm |
| | 22 | Personnel airlock control panel |
| | 23 | H2 & SCWP |
| | 25 | 4160V swgr 3B2T trip |
| | 33 | 9.3KVA static inverter 3DID |

| | | |
|-------|----|--|
| 3KVIA | 1 | Nuclear Instrumentation/Reactor Protection System no. 3A |
| | 2 | Engineered Safeguards no. 3A |
| | 4 | Post Boron dilution flow sensor #1D |
| | 5 | Containment sump level train A |
| | 6 | Remote logic board |
| | 7 | RCP A power monitor |
| | 8 | Boron dilution valve 3LP103 & 104 |
| | 10 | Rx Bldg evacuation alarm |
| | 11 | Isolation transfer diode 3ADA |
| | 12 | ICC cabinet train A |
| | 13 | 3LPSW405 controls |
| | 14 | CRD cabinet SI2 circuit breaker CB2 |
| | 15 | Process radiation monitoring unit 3 |

| | | |
|-------|----|---|
| 3KVIB | 1 | NI/RPS channel 6 |
| | 2 | Engineered safeguards no. 3B |
| | 3 | Incore refueling receptacle 3A |
| | 4 | Post Boron dilution flow sensor 3A |
| | 5 | Rx Bldg sump level train B |
| | 7 | RCP B power monitor |
| | 8 | RC sample isolation valves 3RC-162 |
| | 9 | Steam generator emergency FDW flow |
| | 10 | Steam generator level control cabinet |
| | 11 | ICC cabinet train B |
| | 12 | Isolation transfer diode 1ADB |
| | 13 | CRD primary trip breaker assembly unit 11 |
| | 14 | Safety valve monitor |

PNLBD

BKR LOAD

3KVIC

- 1 NI/RPS no. 3C
- 2 Engineered Safeguards no. 3C
- 3 Turbine stop valve test solenoids
- 4 RCP power monitor
- 7 Manual loader 3HPIML0064
- 8 RC sample isolation valve 3RC-163
- 9 Steam generator emergency FDW flow cabinet 1A
- 10 Steam generator level control cabinet
- 11 Isolation transfer diode 3ADC
- 12 CRD primary trip breaker assembly unit 11
- 13 HPI crossover flow transmitter
- 14 3LPSW404 controls

3KVID

- 1 NI/RPS channel D
- 2 RCP D power monitor
- 3 CCW vacuum priming system
- 4 Unit 3 area radiation monitoring
- 5 Incore refueling receptacle 3B
- 6 EFWP steam admission valve
- 12 Isolation transfer diode 3ADG
- 14 CRD cabinet DC-3

ATTACHMENT III

**BATTERY LOAD VOLTAGE PROFILE FOR
STATION BLACKOUT EVENT**