

2-25

1. CONTROL NO. 18906364 00 2. DATE 12/06/89 3. UNIT 1 4. SYSTEM 1801 ELWP  
5. MPL/TAG NO. 11801T30RB RESERVE AUX XFMR-1NKR8  
FROM/ DISCONNECT 13.8 AND 4 KV CONNECTIONS ON RATB TRANSFORMER TO FACILITATE  
WORK OIL CHANGE OUT AND DOBLE TESTING IS COMPLETE.  
REQ. SCAFFOLD/LADDER REF / FOR 1K2  
CRITICAL COMPONENT  
LOCATION: LOW VOLT SWITCH YARD

ORIGINAL

NORMS

CONT N WRT# 2546  
7. INITIATOR WILL FARNAM 8. SUPRV J C HART LCC LOYE  
9. MWO CLASS N EQP CLASS 62E 10. UNIT STAT 1K2 11. FIRE PROTECT N  
12. SCR N 13. NCR/DR N 14. TYPE MAINT 2 15. DURATION 16  
16. CRAFT MECH(EST/ACT) ELEC(EST/ACT) IAC(EST/ACT) CONT(EST/ACT) HP/OT(EST/ACT)  
CREW 0 20 0 0 0  
HRS. 32  
EXP. 0 0 0 0 0  
SCHED BEG  
SCHED END  
ISS. FOREMAN  
19. QC HOLD PTS Y 20. PROC 20429-C 21. WELD PERM N RWP PERM N  
QC REVIEWED BY WA KSH 12-14-89 22. LCC NA  
23. WORK

JUNE 12 1990 190-15171

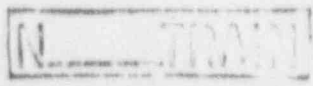
INST Disconnect low side connections and Reconnect After Oil Change and  
Doble Test is Complete.

CORD COPY

24. INITIATE REVIEW DATE 12/18/89 INT 063 DATE 12/18/89 25. SPEC REV N  
HP DATE 12/14/89 ENG KSH DATE 12/14/89 SIG S brde DATE 3/14/90  
27. ACT Disconnected the 13.8 and 4160KV connections on Rat  
WORK B transformer, so line crew could do oil change +  
PERFORMED Doble test. Installed grounds on each phase at transform  
for 13.8 + 4160. maintain zone III cleanliness job 5-14-90

Continued

CONT N  
HIST SUM  
28. MTRL RECD MCR # 90-5066  
29. PERSON PERFORMING WORK (NAME) J. Hough DATE 3/18/90 30. MAINTENANCE FOREMAN M.P. Silva DATE 3/19/90  
31. INSPECTION PERFORMED BY IVTH DATE  
32. METHOD OF C.T. None Required Due to type of work performed JMD 2-6-90  
33. PROCEDURE # NA 34. PERFORMED BY NA 35. DATE NA  
36. PROVES OPERABILITY NA 37. METHOD USED TO PROVE OPERABILITY  
38. SATISFY UNSATISFY 39. IF UNSAT CORR. ACTION NA  
40. UNST STATUS AT TIME OF FAILURE N 41. TYPE FAIL 42. MODE OF FAIL  
43. CAUSE OF FAILURE N 44. DETECT BY 45. EFFECT ON ST N  
46. OFF ON PLANT N 47. MWO STAT D 48. CLERK N 49. CORR ACT  
NEW MWO NA 51. OPER. ACCEP BY C. J. Silva DATE 3/19/90  
OSOS APPROVAL NA  
53. SPEC REV COMP NA DATE 3/20/90 54. MWO NA  
55. CLDSE OUT APPROVAL BY QC J. Hough 3/20/90



Nuclear Plant Maintenance Work Order Continuation Sheet

MPL No. \_\_\_\_\_

MWO No. \_\_\_\_\_

18906364

Work Description \_\_\_\_\_

Block 26

E.m. ~~Spent~~

3/18/90

Block 27 Lubricated all connections with EIC  
grease. Relaxed all leads to the low  
side of transformer. All leads torqued  
to 45 Ft. lbs. using Torque Wrench  
UP-3-2289 Cal 6-4-90. Maintained conn  
TV House Keeping

JRB 3-18-90



DATA SHEET

|                            |                                                     |                                                                                                                  |
|----------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| PROCEDURE<br>25717-C       | REVISION<br>16                                      | SHEET<br>1 of 1                                                                                                  |
| TAG NO.<br>INXRB           | DESCRIPTION<br>Torquing Electrical Type Connections |                                                                                                                  |
| EQUIPMENT<br>Torque Wrench | Applicable Step<br>VP-3-2289<br>6-4-90              | <input type="checkbox"/> Safety Related/QC Hold Points<br><input checked="" type="checkbox"/> Non-Safety Related |

| <u>TERMINATION</u> | <u>M&amp;TE</u> | <u>TORQUE</u> | <u>MAINT. INIT/DATE</u> | <u>HOLD POINT (Yes/No)</u> | <u>QC INIT/DATE</u> |
|--------------------|-----------------|---------------|-------------------------|----------------------------|---------------------|
| Phase A 4160V      | VP-3-2289       | 45 Ft/lbs     | JKW 13-18-90            |                            | 1                   |
| Phase B 4160V      | ↓               | ↓             | 1                       |                            | 1                   |
| Phase C 4160V      | ↓               | ↓             | 1                       |                            | 1                   |
| Phase A 13.8V      | ↓               | ↓             | 1                       |                            | 1                   |
| Phase B 13.8V      | ↓               | ↓             | 1                       |                            | 1                   |
| Phase C 13.8V      | VP-3-2289       | 45 Ft/lbs     | JRH 13-18-90            |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |
|                    |                 |               | 1                       |                            | 1                   |

|              |         |
|--------------|---------|
| COMPLETED BY | DATE    |
| J. Hancock   | 3-18-90 |

|            |         |
|------------|---------|
| FOREMAN    | DATE    |
| M.P. Liles | 3-19-90 |

COMPLETION SHEET

|                                      |                                                     |                                                                                                                  |
|--------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| PROCEDURE<br>25717-C                 | REVISION<br>16                                      | SHEET<br>1 of 2                                                                                                  |
| TITLE NO.<br>1AXRB                   | DESCRIPTION<br>Torquing Electrical Type Connections |                                                                                                                  |
| SERIAL NO.<br>N/A                    | MANUFACTURER<br>N/A                                 | MODEL<br>N/A                                                                                                     |
| TEST EQUIPMENT USED<br>Torque Wrench | M&TE #<br>VP-3-2289<br>6-4-90                       | <input type="checkbox"/> Safety Related/QC Hold Points<br><input checked="" type="checkbox"/> Non-Safety Related |

| PROCEDURE<br>STEP | DESCRIPTION                          | MAINT.<br>INIT/DATE | HOLD<br>POINT<br>(Yes/No) | QC<br>INIT/DATE |
|-------------------|--------------------------------------|---------------------|---------------------------|-----------------|
| 4.1.1             | Verify prerequisites                 | <u>AKA 13-18-90</u> |                           | <u>1</u>        |
| 4.1.2             | Notify Shift Supervisor              | <u>AKA 13-18-90</u> |                           | <u>1</u>        |
| 4.1.3             | Verify Clearance and Tagging         | <u>AKA 13-18-90</u> |                           | <u>1</u>        |
| 4.1.4             | Verify calibration                   | <u>AKA 13-18-90</u> |                           | <u>1</u>        |
| 4.2               | Recorded on Data Sheet as applicable | <u>AKA 13-18-90</u> |                           | <u>1</u>        |
| 4.3               | Recorded on Data Sheet as applicable | <u>N/A 1</u>        |                           | <u>1</u>        |
| 4.4               | Recorded on Data Sheet as applicable | <u>N/A 1</u>        |                           | <u>1</u>        |
| 4.5               | Recorded on Data Sheet as applicable | <u>N/A 1</u>        |                           | <u>1</u>        |
| 4.6               | Verify termination tightness         | <u>AKA 13-18-90</u> |                           | <u>1</u>        |
| 4.8               | Notify Shift Supervisor              | <u>AKA 13-18-90</u> |                           | <u>1</u>        |

PROCEDURE NO.

REVISION

PAGE NO

VEGP

25717-C

16

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Sheet 2 of 2

Comments/additional hold points: \_\_\_\_\_

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QC has reviewed this procedure for hold points N/A  
Signature

|                   |                 |
|-------------------|-----------------|
| APPROVED ( )      | DISAPPROVED ( ) |
| FOREMAN           | DATE            |
| <i>M.P. Selva</i> | <i>3-19-90</i>  |

|                    |               |
|--------------------|---------------|
| COMPLETED BY       | DATE          |
| <i>[Signature]</i> | <i>3-8-90</i> |

|                                      |                      |                           |
|--------------------------------------|----------------------|---------------------------|
| Procedure No.<br><b>VEGP 20429-C</b> | Revision<br><b>5</b> | Page No.<br><b>5 of 6</b> |
|--------------------------------------|----------------------|---------------------------|

POWER AND SIGNAL REMOVAL/REPLACEMENT DATA SHEET

Sheet 1 of 1

Safety Related/QC Holdpoints

Non-Safety Related

NOTES

- a. To install jumpers and/or lift wires, other than those directly associated with the equipment tag(s)/scheme number(s) listed on the Work Order, notify the Shift
- b. Ensure that each lead (wire) is marked so it can be uniquely identified with its termination point.
- c. Independent verification is only required on safety related equipment. Place N/A in independent verification block for non-safety related equipment.
- d. If the worker leaves the immediate proximity of the work or the work is interrupted, complete and install a "Jumper and Lifted Wire" tag per 00306-C, "Temporary Jumper And Lifted Wire Control". Instead of Control Number use the Procedure number on the tag.
- e. If holdpoints do not apply, NA QC Verification block.
- f. If applicable, tags shall remain intact and will only be removed by the independent verifier.

| IDENTIFY LEADS LIFTED, JUMPERS INSTALLED, LINES O/YM, ETC. | LOCATION PANEL OR JUNCTION BOX | REMOVAL           |                                  |                   | RECONNECTION      |                                  |                   |         |
|------------------------------------------------------------|--------------------------------|-------------------|----------------------------------|-------------------|-------------------|----------------------------------|-------------------|---------|
|                                                            |                                | PERFORMED BY/DATE | INDEPENDENT VERIFICATION BY/DATE | QC VERIF. BY/DATE | PERFORMED BY/DATE | INDEPENDENT VERIFICATION BY/DATE | QC VERIF. BY/DATE |         |
| A <sup>2</sup> south side of transformer on 4160 cable     | Load side of transformer       | 3-14-90           | N/A                              | N/A               | 3-14-90           | N/A                              | N/A               |         |
| B <sup>2</sup> on 4160 cable                               | Load side of transformer       |                   |                                  |                   |                   |                                  |                   |         |
| C <sup>2</sup> on 4160 cable                               | Load side of transformer       |                   |                                  |                   |                   |                                  |                   |         |
| A <sup>2</sup> north side of transformer on 13.8 cable     | Load side of transformer       |                   |                                  |                   |                   |                                  |                   |         |
| B <sup>2</sup> on 13.8 cable                               | Load side of transformer       |                   |                                  |                   |                   |                                  |                   |         |
| C <sup>2</sup> on 13.8 cable                               | Load side of transformer       | 3-14-90           |                                  |                   |                   |                                  |                   | 3-14-90 |
|                                                            |                                | A                 |                                  |                   |                   |                                  |                   |         |
|                                                            |                                |                   |                                  |                   |                   |                                  |                   |         |

COMPLETION SHEET

|                     |                                                                |                                                        |
|---------------------|----------------------------------------------------------------|--------------------------------------------------------|
| PROCEDURE           | REVISION                                                       | SHEET                                                  |
| 20429-C             | 5                                                              | 1 of 1                                                 |
| TAG NO.             | DESCRIPTION                                                    |                                                        |
| 1-1801-T3-02B       | Short Term Documentation of Temporary Jumpers and Lifted Wires |                                                        |
| SERIAL NO.          | MANUFACTURER                                                   | MODEL                                                  |
| N/A                 | N/A                                                            | N/A                                                    |
| TEST EQUIPMENT USED | M&TE #                                                         | <input type="checkbox"/> Safety Related/QC Hold Point  |
| N/A                 | N/A                                                            | <input checked="" type="checkbox"/> Non-Safety Related |

| PROCEDURE STEP | DESCRIPTION             | MAINT. INIT/DATE    | HOLD POINT (Yes/No) | QC INIT/DATE |
|----------------|-------------------------|---------------------|---------------------|--------------|
| 4.1            | Notify Shift Supervisor | <u>Jul 13-14-90</u> | <del>_____</del>    | <u>1</u>     |
| 4.2            | Clearance and Tagging   | <u>Jul 13-14-90</u> | <del>_____</del>    | <u>1</u>     |
| 4.10           | Tighten Connections     | <u>AKA 13-18-90</u> | <del>_____</del>    | <u>1</u>     |
| 4.12           | Notify Shift Supervisor | <u>AKA 13-18-90</u> | <del>_____</del>    | <u>1</u>     |

Comments/additional hold points: \_\_\_\_\_

QC has reviewed this procedure for hold points N/A 12-13-85  
 Signature

|                                              |                                      |
|----------------------------------------------|--------------------------------------|
| APPROVED <input checked="" type="checkbox"/> | DISAPPROVED <input type="checkbox"/> |
| FOREMAN                                      | DATE                                 |
| <u>M.P. Silva</u>                            | <u>3-19-90</u>                       |

|                  |                |
|------------------|----------------|
| COMPLETED BY     | DATE           |
| <u>J. Hanzel</u> | <u>3-18-90</u> |





## VEGP FIRE PROTECTION CHECKLIST

1. MWO NO. 18306364 2. MPL/TAG NO. 1160173CR/B  
 3. LOCATION LVSY
4. WILL THE WORK INSTALL, IMPAIR, MODIFY, ISOLATE, DEFEAT, OR REMOVE ANY OF THE FOLLOWING? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.
- ( ) SPRINKLER SYSTEM \_\_\_\_\_
  - ( ) INTERIOR HOSE STATION \_\_\_\_\_
  - ( ) HALON SYSTEM \_\_\_\_\_
  - ( ) DETECTION SYSTEM \_\_\_\_\_
  - ( ) EMERGENCY LIGHTING SYSTEM \_\_\_\_\_
  - ( ) PERMANENT COMBUSTIBLES (CABLE, WOOD, PLASTIC, ETC.) \_\_\_\_\_
  - ( ) STRUCTURAL STEEL, OR RACEWAY FIRE ROOFING \_\_\_\_\_
  - ( ) FIRE SUPPRESSION SUPPLY SYSTEM (PUMPS, TANKS, ETC.) \_\_\_\_\_
  - ( ) CONDUIT SEALS OR EQUIPMENT ENCLOSURE (CABINET HOUSING) \_\_\_\_\_
  - ( ) FIRE EXTINGUISHER \_\_\_\_\_
  - ( ) COMMUNICATIONS SYSTEM \_\_\_\_\_
  - ( ) RCP OIL COLLECTION SYSTEM \_\_\_\_\_
  - ( ) SEISMIC STANDPIPE SYSTEM \_\_\_\_\_

5. WILL THE WORK DEFEAT, MODIFY OR IMPAIR ANY OF THE FOLLOWING FIRE SEPARATION FEATURES? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.

- ( ) A. FIRE AREA BOUNDARY (WALL, ETC.) \_\_\_\_\_
- ( ) B. PASSIVE AREA BOUNDARY PENETRATION SEAL ASSEMBLY.
  - PENETRATION SEAL \_\_\_\_\_
  - WALL BLOCKOUT \_\_\_\_\_
  - FLOOR PLUG OR HATCH \_\_\_\_\_
  - CABLE TRAY OR CONDUIT WRAP \_\_\_\_\_
  - RADIANT ENERGY SHIELD \_\_\_\_\_
- ( ) C. ACTIVE FIRE AREA BOUNDARY PENETRATION SEAL.
  - FIRE DOOR \_\_\_\_\_
  - FIRE DAMPER \_\_\_\_\_

6. IF ALL THE ANSWERS IN BLOCKS 4 and 5 ARE "NO", STOP THE EVALUATION HERE, AND ENTER "NO" IN BLOCK 11 OF THE MWO FORM. IF ANY QUESTIONS WERE ANSWERED "YES", ENTER "YES" IN BLOCK 11 OF THE MWO FORM.

EVALUATOR Danell Bond DATE 12-13-85

POST WORK REVIEW (COMPLETE "A, B, OR C" BELOW)

- (A) THE CONDITION IMPACTING THE FIRE PROTECTION COMPONENTS LISTED ABOVE HAS BEEN REMOVED. FPE \_\_\_\_\_ DATE \_\_\_\_\_
- (B) THE FIRE PROTECTION COMPONENT IS STILL IMPAIRED. FPE \_\_\_\_\_ DATE \_\_\_\_\_
- (C) RESTORATION OF THE IMPAIRMENT HAS BEEN TRANSFERRED (Ref: \_\_\_\_\_) AND THE FIRE PROTECTION LCO LOG HAS BEEN CHANGED TO REFERENCE THE NEW MWO FOR THIS IMPAIRMENT. FPE \_\_\_\_\_ DATE \_\_\_\_\_

FIGURE 1

1. CONTROL NO. 18906364 00 2. DATE 12/02/89 3. UNIT 1 4. SYSTEM 1801  
5. MPL/TAG NO. 11801T30RD RESERVE AUX (FMR-1NXR)  
PROB/ DISCONNECT 13.8 AND 4.KV CONNECTIONS ON RATB TRANSFORMER TO FACILITATE  
WORK OIL CHANGE OUT AND DOBLE TESTING IS COMPLETE.  
REQ. SCAFFOLD/LADDER REQ / FOR 1R2  
CRITICAL COMPONENT  
LOCATION: LOW VOLT SWITCH YARD

ORIGINAL

NORMS

7. INITIATOR WILL PARHAM 8. SUPRV S C HART 9. MWO CLASS W EOP CLASS 62E 10. UNIT STAT 1R2 11. FIRE PROTECT N  
12. DCR N 13. WCR/DR N 14. TYPE MAINT P 15. DURATION 16  
16. CRAFT MECH(EST/ACT) ELEC(EST/ACT) I&C(EST/ACT) CONT(EST/ACT) HP/OT(EST/ACT)  
CREW 0 20 0 0 0  
HRS. 32  
EXP. 0 0 0 0 0  
SCHED BEG  
SCHED END

DATE 12-13-89 BY 190-15171

19. QC HOLD PTS Y 20. PROC 20129-C 21. PRI 4029 22. LCO NA

23. WORK INST. Disconnect low side connections and Reconnect After Oil Change and  
Doble Test is Complete.

CORD COPY

24. INITIATE REVIEW 25. SPEC REV REQ N  
OPS DATE 12/12/89 INT JCB DATE 12/18/89 26. MWO RELEASE FOR WORK  
HP DATE 12/14/89 ENG KHA DATE 12/14/89 SIG. A Side DATE 3/14/90  
27. ACT Disconnected the 13.8 and 4160KV connections on Rat  
WORK B transformer, so line crew could do oil change +  
PERFORMED Doble test. installed grounds on each phase at transform  
for 13.8 + 4160, maintain zone II cleanliness job 3-14-90

Continued

28. HIST SUM  
29. MTRL RECD MER # 90-5066

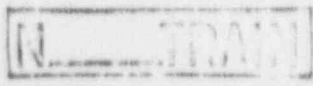
29. PERSON PERFORMING WORK (NAME) DATE 30. MAINTENANCE FOREMAN DATE  
J. Hanzel 3/18/90 M.P. Silva 3/19/90

31. INSPECTION PERFORMED BY IVIV DATE 32. METHOD OF F.T None Required Due to type of work performed 3/2-6-90  
33. PROCEDURE NA 34. PERFORMED BY NA 35. DCR NA

36. PROVES OPERABILITY NA 37. METHOD USED TO PROVE OPERABILITY  
38. SATISFY UNSATISFY 39. IF UNSAT CORR. ACTION NA  
40. UNST STATUS AT TIME OF FAILURE N 41. TYPE FAIL 42. MODE OF FAIL

43. CAUSE OF FAILURE N 44. DETECT BY 45. EFFECT ON S N  
46. EFF ON PLANT N 47. MWO STAT D 48. CORR ACT 49. CORR ACT  
50. NEW MWO NA 51. OPER. ACCEPT BY C. J. Hanzel DATE 3/19/90

52. OSOS APPROVAL NA 53. SPEC REV COMP NA 54. MEET NA  
55. CLOSE OUT APPROVAL BY QC M. Hanzel 3/20/90



9202190481

Nuclear Plant Maintenance Work Order Continuation Sheet

MPL No. \_\_\_\_\_

MWO No. \_\_\_\_\_

18906364

Work Description \_\_\_\_\_

Block 26

E.m. ~~Street~~

3/18/90

Block 27 Lubricated all connections with EIC  
grease. Relabeled all leads to the low  
side of transformer. All leads torqued  
to 45 Ft. lbs. using Torque Wrench  
UP-3-2289 Cal 6-4-90. Maintained conn

IV Housekeeping

JRT 3-18-90



DATA SHEET

|               |                                      |                                                        |
|---------------|--------------------------------------|--------------------------------------------------------|
| PROCEDURE     | REVISION                             | SHEET                                                  |
| 25717-C       | 16                                   | 1 of 1                                                 |
| TAG NO.       | DESCRIPTION                          |                                                        |
| INXRB         | Torquing Electrical Type Connections |                                                        |
| EQUIPMENT     | Applicable Step                      | <input type="checkbox"/> Safety Related/QC Hold Points |
| Torque Wrench | VP-3-2289<br>3-4-90                  | <input checked="" type="checkbox"/> Non-Safety Related |

| <u>TERMINATION</u> | <u>M&amp;TE</u> | <u>TORQUE</u> | <u>MAINT. INIT/DATE</u> | <u>HOLD POINT (Yes/No)</u> | <u>QC INIT/DATE</u> |
|--------------------|-----------------|---------------|-------------------------|----------------------------|---------------------|
| Phase A 4160V      | VP-3-2289       | 45 Ft/lbs     | JKW 13-18-90            | /                          | /                   |
| Phase B 4160V      | ↓               | ↓             | ↓                       | /                          | /                   |
| Phase C 4160V      | ↓               | ↓             | ↓                       | /                          | /                   |
| Phase A 13.8V      | ↓               | ↓             | ↓                       | /                          | /                   |
| Phase B 13.8V      | ↓               | ↓             | ↓                       | /                          | /                   |
| Phase C 13.8V      | VP-3-2289       | 45 Ft/lbs     | JKW 13-18-90            | /                          | /                   |
|                    |                 |               | /                       | /                          | /                   |
|                    |                 |               | /                       | /                          | /                   |
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|              |         |
|--------------|---------|
| COMPLETED BY | DATE    |
| J. Hanyak    | 3-18-90 |

|            |         |
|------------|---------|
| FOREMAN    | DATE    |
| M.P. Liles | 3-19-90 |

COMPLETION SHEET

|                                      |                                                     |                                                                                                                  |
|--------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| PROCEDURE<br>25717-C                 | REVISION<br>16                                      | SHEET<br>1 of 2                                                                                                  |
| TAG NO.<br>1NKR B                    | DESCRIPTION<br>Torquing Electrical Type Connections |                                                                                                                  |
| SERIAL NO.<br>N/A                    | MANUFACTURER<br>N/A                                 | MODEL<br>N/A                                                                                                     |
| TEST EQUIPMENT USED<br>Torque Wrench | M&TE #<br>VP-3-2289<br>6-Y-90                       | <input type="checkbox"/> Safety Related/QC Hold Points<br><input checked="" type="checkbox"/> Non-Safety Related |

| PROCEDURE<br>STEP | DESCRIPTION                          | MAINT.<br>INIT/DATE | HOLD<br>POINT<br>(Yes/No) | QC<br>INIT/DATE |
|-------------------|--------------------------------------|---------------------|---------------------------|-----------------|
| 4.1.1             | Verify prerequisites                 | <u>JKH 13-18-90</u> |                           | <u>1</u>        |
| 4.1.2             | Notify Shift Supervisor              | <u>JKH 13-18-90</u> |                           | <u>1</u>        |
| 4.1.3             | Verify Clearance and Tagging         | <u>JKH 13-18-90</u> |                           | <u>1</u>        |
| 4.1.4             | Verify calibration                   | <u>JKH 13-18-90</u> |                           | <u>1</u>        |
| 4.2               | Recorded on Data Sheet as applicable | <u>JKH 13-18-90</u> |                           | <u>1</u>        |
| 4.3               | Recorded on Data Sheet as applicable | <u>N/A 1</u>        |                           | <u>1</u>        |
| 4.4               | Recorded on Data Sheet as applicable | <u>N/A 1</u>        |                           | <u>1</u>        |
| 4.5               | Recorded on Data Sheet as applicable | <u>N/A 1</u>        |                           | <u>1</u>        |
| 4.6               | Verify termination tightness         | <u>JKH 13-18-90</u> |                           | <u>1</u>        |
| 4.8               | Notify Shift Supervisor              | <u>JKH 13-18-90</u> |                           | <u>1</u>        |

PROCEDURE NO.

REVISION

PAGE NO.

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Sheet 2 of 2

Comments/additional hold points: \_\_\_\_\_

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QC has reviewed this procedure for hold points N/A  
Signature

|                                                  |                 |
|--------------------------------------------------|-----------------|
| APPROVED ( <input checked="" type="checkbox"/> ) | DISAPPROVED ( ) |
| FOREMAN                                          | DATE            |
| <u>M.P. Selix</u>                                | <u>3-19-90</u>  |

|                          |                |
|--------------------------|----------------|
| COMPLETED BY             | DATE           |
| <u>J. H. [Signature]</u> | <u>3-18-90</u> |



Procedure No.

VEGP 20429-C

Revision

5

Page No.

5 of 6

POWER AND SIGNAL REMOVAL/REPLACEMENT DATA SHEET

Sheet 1 of 1

Safety Related/QC Holdpoints

Non-Safety Related

NOTES

- a. To install jumpers and/or lift wires, other than those directly associated with the equipment tag(s)/scheme number(s) listed on the Work Order, notify the Shift
- b. Ensure that each lead (wire) is marked so it can be uniquely identified with its termination point.
- c. Independent verification is only required on safety related equipment. Place N/A in independent verification block for non-safety related equipment.
- d. If the worker leaves the immediate proximity of the work or the work is interrupted, complete and install a "Jumper and Lifted Wire" tag per 00306-C, "Temporary Jumper And Lifted Wire Control". Instead of Control Number use the Procedure number on the tag.
- e. If holdpoints do not apply, NA QC Verification block.
- f. If applicable, tags shall remain intact and will only be removed by the independent verifier.

| IDENTIFY LEADS LIFTED, JUMPERS INSTALLED, LINES OPEN, ETC. | LOCATION PANEL OR JUNCTION BOX | REMOVAL           |                                  |                   | RECONNECTION      |                                  |                   |
|------------------------------------------------------------|--------------------------------|-------------------|----------------------------------|-------------------|-------------------|----------------------------------|-------------------|
|                                                            |                                | PERFORMED BY/DATE | INDEPENDENT VERIFICATION BY/DATE | QC VERIF. BY/DATE | PERFORMED BY/DATE | INDEPENDENT VERIFICATION BY/DATE | QC VERIF. BY/DATE |
| A <sup>a</sup> southside of transformer on 4160 cable      | load side of transformer       | Feb 3-14-90       | N/A                              | N/A               | AKA 3-19-90       | N/A                              | N/A               |
| B <sup>a</sup> on 4160 cable                               | load side of transformer       |                   |                                  |                   |                   |                                  |                   |
| C <sup>a</sup> on 4160 cable                               | load side of transformer       |                   |                                  |                   |                   |                                  |                   |
| A <sup>a</sup> on 13.8 cable                               | load side of transformer       |                   |                                  |                   |                   |                                  |                   |
| B <sup>a</sup> on 13.8 cable                               | load side of transformer       |                   |                                  |                   |                   |                                  |                   |
| C <sup>a</sup> on 13.8 cable                               | load side of transformer       | Feb 3-14-90       |                                  |                   | AKA 3-18-90       |                                  |                   |
|                                                            |                                | A                 |                                  |                   |                   |                                  |                   |
|                                                            |                                |                   |                                  |                   |                   |                                  |                   |

COMPLETION SHEET

|                     |                                                                |                                                        |
|---------------------|----------------------------------------------------------------|--------------------------------------------------------|
| PROCEDURE           | REVISION                                                       | SHEET                                                  |
| 20429-C             | 5                                                              | 1 of 1                                                 |
| TAG NO.             | DESCRIPTION                                                    |                                                        |
| 1-1801-T3-ORB       | Short Term Documentation of Temporary Jumpers and Lifted Wires |                                                        |
| SERIAL NO.          | MANUFACTURER                                                   | MODEL                                                  |
| N/A                 | N/A                                                            | N/A                                                    |
| TEST EQUIPMENT USED | M&TE #                                                         | <input type="checkbox"/> Safety Related/QC Hold Point  |
| N/A                 | N/A                                                            | <input checked="" type="checkbox"/> Non-Safety Related |

| PROCEDURE STEP | DESCRIPTION             | MAINT. INIT/DATE     | HOLD POINT (Yes/No) | QC INIT/DATE |
|----------------|-------------------------|----------------------|---------------------|--------------|
| 4.1            | Notify Shift Supervisor | <u>John 13-14-90</u> | <del>_____</del>    | <u>1</u>     |
| 4.2            | Clearance and Tagging   | <u>John 13-14-90</u> | <del>_____</del>    | <u>1</u>     |
| 4.10           | Tighten Connections     | <u>AKA 13-18-90</u>  | <del>_____</del>    | <u>1</u>     |
| 4.12           | Notify Shift Supervisor | <u>AKA 13-18-90</u>  | <del>_____</del>    | <u>1</u>     |

Comments/additional hold points: \_\_\_\_\_

QC has reviewed this procedure for hold points N/A 12-13-85  
Signature

|                                  |
|----------------------------------|
| APPROVED (✓) DISAPPROVED ( )     |
| FOREMAN DATE                     |
| <u>M.P. Silva</u> <u>3-19-90</u> |

|                  |                |
|------------------|----------------|
| COMPLETED BY     | DATE           |
| <u>J. Hanzel</u> | <u>3-18-90</u> |

Material/Equipment Request—NUCLEAR OPERATIONS  
VOGTLE ELECTRIC GENERATING PLANT

"NON-Q" MS 3/18/90

Mar 18 90 105066 COPY 2

|                                               |                   |                        |                     |
|-----------------------------------------------|-------------------|------------------------|---------------------|
| Department/Contractor<br><b>MAINT - ELECT</b> | Design Change No. | Date<br><b>3/18/90</b> | Stores Register No. |
|-----------------------------------------------|-------------------|------------------------|---------------------|

| Description/Tag                          | Stock Number     | Location | Quantity |        |     | P.O. No.                | MIR No.  | Maint. Work Order | Unit | Account Number | Resp. Center | Anly. Code |
|------------------------------------------|------------------|----------|----------|--------|-----|-------------------------|----------|-------------------|------|----------------|--------------|------------|
|                                          |                  |          | Ord.     | Filled | U/M |                         |          |                   |      |                |              |            |
| <del>P/N 35688</del>                     | <del>53020</del> |          |          |        |     |                         |          |                   |      |                |              |            |
| 1/2 X 13 X 3 SS Bolt<br><del>25201</del> | 53020            | D71R     | 3        | 3      | EA. | IT# 3586-<br>27164 2549 | 18906364 |                   | 1    | 8251-531       | 0211         | 5401       |
| 1/2-13 X 2 1/2 " Riv 29470<br>21155      | 53020-<br>21155  | D-6B-M   | 3        | 3      | EA. | 3705486-<br>27164 825   |          | ↓                 | 1    | ↓              | ↓            | ↓          |

|                                |                                  |                                   |                                 |                        |
|--------------------------------|----------------------------------|-----------------------------------|---------------------------------|------------------------|
| Ordered By<br><i>S. Parker</i> | Approved By<br><i>M.P. Silas</i> | Filed By<br><i>Shirley Carley</i> | Received By<br><i>S. Parker</i> | Date<br><i>3/18/90</i> |
|--------------------------------|----------------------------------|-----------------------------------|---------------------------------|------------------------|

## VEGP FIRE PROTECTION CHECKLIST

1. MWO NO. 18906364 2. MPL/TAG NO. 11801730R/B  
 3. LOCATION LVSY

4. WILL THE WORK INSTALL, IMPAIR, MODIFY, ISOLATE, DEFEAT, OR REMOVE ANY OF THE FOLLOWING? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.

- ( ) SPRINKLER SYSTEM \_\_\_\_\_  
 ( ) INTERIOR HOSE STATION \_\_\_\_\_  
 ( ) HALON SYSTEM \_\_\_\_\_  
 ( ) DETECTION SYSTEM \_\_\_\_\_  
 ( ) EMERGENCY LIGHTING SYSTEM \_\_\_\_\_  
 ( ) PERMANENT COMBUSTIBLES (CABLE, WOOD, PLASTIC, ETC.) \_\_\_\_\_  
 ( ) STRUCTURAL STEEL, OR RACEWAY FIREPROOFING \_\_\_\_\_  
 ( ) FIRE SUPPRESSION SUPPLY SYSTEM (PUMPS, TANKS, ETC.) \_\_\_\_\_  
 ( ) CONDUIT SEALS OR EQUIPMENT ENCLOSURE (CABINET HOUSING) \_\_\_\_\_  
 ( ) FIRE EXTINGUISHER \_\_\_\_\_  
 ( ) COMMUNICATIONS SYSTEM \_\_\_\_\_  
 ( ) RCP OIL COLLECTION SYSTEM \_\_\_\_\_  
 ( ) SEISMIC STANDPIPE SYSTEM \_\_\_\_\_

5. WILL THE WORK DEFEAT, MODIFY OR IMPAIR ANY OF THE FOLLOWING FIRE SEPARATION FEATURES? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.

- ( ) A. FIRE AREA BOUNDARY (WALL, ETC.) \_\_\_\_\_  
 ( ) B. PASSIVE AREA BOUNDARY PENETRATION SEAL ASSEMBLY.  
     PENETRATION SEAL \_\_\_\_\_  
     WALL BLOCKOUT \_\_\_\_\_  
     FLOOR PLUG OR HATCH \_\_\_\_\_  
     CABLE TRAY OR CONDUIT WRAP \_\_\_\_\_  
     RADIANT ENERGY SHIELD \_\_\_\_\_  
 ( ) C. ACTIVE FIRE AREA BOUNDARY PENETRATION SEAL.  
     FIRE DOOR \_\_\_\_\_  
     FIRE DAMPER \_\_\_\_\_

6. IF ALL THE ANSWERS IN BLOCKS 4 and 5 ARE "NO", STOP THE EVALUATION HERE, AND ENTER "NO" IN BLOCK 11 OF THE MWO FORM. IF ANY QUESTIONS WERE ANSWERED "YES", ENTER "YES" IN BLOCK 11 OF THE MWO FORM.

EVALUATOR David B. B. DATE 12-13-85

POST WORK REVIEW (COMPLETE "A, B, OR C" BELOW)

- (A) THE CONDITION IMPACTING THE FIRE PROTECTION COMPONENTS LISTED ABOVE HAS BEEN REMOVED. FPE \_\_\_\_\_ DATE \_\_\_\_\_  
 (B) THE FIRE PROTECTION COMPONENT IS STILL IMPAIRED. FPE \_\_\_\_\_ DATE \_\_\_\_\_  
 (C) RESTORATION OF THE IMPAIRMENT HAS BEEN TRANSFERRED (Ref: \_\_\_\_\_) AND THE FIRE PROTECTION LOG LOG HAS BEEN CHANGED TO REFERENCE THE NEW MWO FOR THIS IMPAIRMENT. FPE \_\_\_\_\_ DATE \_\_\_\_\_

FIGURE 1

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