

Reactor Breakers Undervoltage and Shunt Trip Device Circuit Test *Attach. 1*

PMO NUMBER \_\_\_\_\_ 6.7 Data Record

UNIT 2

Test Shop File No. S023-II-11.161

UNDER VOLTAGE TRIP DEVICE

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	B	B	B	B	B	B
TCB-2	B	B	B	B	B	B
TCB-3	B	B	B	B	B	B
TCB-4	B	B	B	B	B	B
TCB-5	B	B	B	B	B	B
TCB-6	B	B	B	B	B	B
TCB-7	B	B	B	B	B	B
TCB-8	B	B	B	B	B	B
TCB-9	B	B	B	B*	B	B*

**TEST TECH FILE**

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	B	B	B	B	B	B
TCB-2	B	B	B	B	B	B
TCB-3	B	B	B	B	B	B
TCB-4	B	B	B	B	B	B
TCB-5	B	B	B	B	B	B
TCB-6	B	B	B	B	B	B
TCB-7	B	B	B	B	B	B
TCB-8	B	B	B	B	B	B
TCB-9	B	B	B	B*	B	B*

TEST SHOP FILE NUMBER S023-II-11.161

6.8 REMARKS

\* WHEN TCB9 IS CLOSED THE ALARM COMES IN  
WHEN TCB9 IS OPENED THE ALARM RESETS, I  
DISCUSSED THIS WITH THE OPERATOR. HE SAID THAT  
RIGHT NOW THAT IS THE WAY IT SHOULD BE, BUT THEY  
ARE THINKING ABOUT CHANGING IT TO THE OPPOSITE  
STATES

TECHNICIAN(S) Alphonse DATE 2-25-82

Subina DATE 2/25/82

\_\_\_\_\_  
DATE \_\_\_\_\_

\_\_\_\_\_  
DATE \_\_\_\_\_

\_\_\_\_\_  
DATE \_\_\_\_\_

FOREMAN L/A DATE \_\_\_\_\_

APPROVED BY [Signature] DATE 2/26/82

Attach. 2

Reactor Breakers Undervoltage and Shunt Trip Device Circuit Test

PMO NUMBER \_\_\_\_\_ 6.7 Data Record

UNIT 2

Test Shop File No. S023-II-11.

6.1 Communications verified.

[Signature] / Date 3/25/82  
 Technician / Date

6.2 Plant status and CEDM system lineup verified.

[Signature] / Date 3-25-82  
 Technician / Date

UNDER VOLTAGE TRIP DEVICE

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-2	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-3	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-4	"NON-CONFORMING"					
TCB-5	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-6	"NON-CONFORMING"					
TCB-7	"NON-CONFORMING"					
TCB-8	"NON-CONFORMING"					
TCB-9	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>

SHUNT TRIP DEVICE

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-2	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-3	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-4	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-5	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-6	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-7	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-8	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
TCB-9	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>

TEST TECH FILE

TEST SHOP FILE NUMBER S023-11-11.161

6.6 Restoration

6.6.1 All fuses in place and jumpers removed. WITH  
EXCEPTION OF  
(TCB-8 ~~CBR~~ BKR. RACKED OUT WITH  
CENT. FUSES PULLED)

[Signature] / 3/25/82  
Technician / Date  
[Signature] / 3/25/82  
Second Qualified Person / Date

6.8 REMARKS

TCB 4-6 & 7 DID NOT TRIP IMMEDIATELY ON UV WHEN 30A-FUT  
WAS PULLED, UV MECHANISM OPERATED BUT DID NOT UNLATCH CB.  
TCB-8 UV COIL HAS AN INTERMITTANT OPEN WHICH TRIPS  
CB. CB-8 RACKED OUT & CENTRAL FUSES PULLED. (WATCH  
ENGR. TED VOST & CO NOTIFYING OF NONCONFORMANCE.  
UCR NO. - S023-P-152 INITIATED.

TECHNICIAN(S) [Signature] DATE 3/25/82

[Signature] DATE 3-25-82

\_\_\_\_ DATE \_\_\_\_\_

\_\_\_\_ DATE \_\_\_\_\_

\_\_\_\_ DATE \_\_\_\_\_

FOREMAN \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

**TEST TECH FILE**

Reactor Breakers Undervoltage and Shunt Trip Device Circuit Test

PMO NUMBER \_\_\_\_\_ 6.7 Data Record

*Attch 3*

UNIT 2

Test Shop File No. S023-II-11-16

6.1 Communications verified.

*Deon A. Inguitant* 4-4-82  
 Technician / Date

6.2 Plant status and CEDM system lineup verified.

*Robert C. ...* 4-4-82  
 Technician / Date

UNDER VOLTAGE TRIP DEVICE

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	OK	YES OK	OK	YES	YES	YES
TCB-2	OK	YES	OK	YES	YES	YES
TCB-3	OK	YES	OK	YES	YES	YES
TCB-4	OK	YES	OK	YES	YES	YES
TCB-5	OK	YES	OK	YES	YES	YES
TCB-6	OK	YES	OK	YES	YES	YES
TCB-7	OK	YES	OK	YES	YES	YES
TCB-8	OK	YES	OK	YES	YES	YES
TCB-9	OK	YES	OK	YES	YES	YES

**TEST TECH FILE** SHUNT TRIP DEVICE

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	OK	YES	OK	YES	YES	YES
TCB-2	OK	YES	OK	YES	YES	YES
TCB-3	OK	YES	OK	YES	YES	YES
TCB-4	OK	YES	OK	YES	YES	YES
TCB-5	OK	YES	OK	YES	YES	YES
TCB-6	OK	YES	OK	YES	YES	YES
TCB-7	OK	YES	OK	YES	YES	YES
TCB-8	OK	YES	OK	YES	YES	YES
TCB-9	OK	YES	OK	YES	YES	YES

TEST SHOP FILE NUMBER S023-II-11.161

6.6 Restoration

6.6.1 All fuses in place and jumpers removed.

Don A. Sargent 4-4-82  
Technician / Date

Lennox Coffey 4-4-82  
Second Qualified / Date  
Person

6.8 REMARKS

TCB 8 TRR'D FROM UNIT 3  
TCB 4, 6, 7 & 8 ADJUSTED PER VENDORS DIRECTIONS,  
REF NCR S023 P-152 RESOLUTION

TECHNICIAN(S) Don A. Sargent DATE 4-4-82

Lennox Coffey DATE 4-4-82

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

FOREMAN A/A DATE \_\_\_\_\_

APPROVED BY [Signature] DATE 4/5/82

**TEST TECH FILE**

Reactor Breakers Undervoltage and Shunt Trip Device Circuit Test

PMO NUMBER 79016 6.7 Data Record

March 11

UNIT 2

Test Shop File No. S023-II-11-161-T

6.1 Communications verified.

John Chubb / 15-4-82  
 Technician / Date

6.2 Plant status and CEDM system lineup verified.

Don A. Knight / 7-5-4-82  
 Technician / Date

UNDER VOLTAGE TRIP DEVICE

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	gone	gone	gone	gone	gone	gone
TCB-2	gone	gone	gone	gone	gone	gone
TCB-3	gone	gone	gone	gone	gone	gone
TCB-4	gone	gone	gone	gone	gone	gone
TCB-5	gone	gone	gone	gone	gone	gone
TCB-6	gone	gone	gone	gone	gone	gone
TCB-7	gone	gone	gone	gone	gone	gone
TCB-8	gone	gone	gone	gone	gone	gone
TCB-9	gone	gone	gone	gone	gone	gone

SHUNT TRIP DEVICE

Reactor Breaker	Closed Indication	Trip	Open Indication	Alarm In	Breaker Closed	Alarm Reset
TCB-1	gone	gone	gone	gone	gone	gone
TCB-2	gone	gone	gone	gone	gone	gone
TCB-3	gone	gone	gone	gone	gone	gone
TCB-4	gone	gone	gone	gone	gone	gone
TCB-5	gone	gone	gone	gone	gone	gone
TCB-6	gone	gone	gone	gone	gone	gone
TCB-7	gone	gone	gone	gone	gone	gone
TCB-8	gone	gone	gone	gone	gone	gone
TCB-9	gone	gone	gone	gone	gone	gone

TEST SHOP FILE NUMBER S023-II-11.161-TCP

6.6 Restoration

6.6.1 All fuses in place and jumpers removed.

John M. Elbert 5-4-82  
Technician / Date  
Don A. Inguit 5-4-82  
Second Qualified / Date  
Person

6.8 REMARKS

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TECHNICIAN(S) John M. Elbert DATE 5-4-82

Don A. Inguit DATE 5-4-82

Harold Coffey DATE 5-4-82

\_\_\_\_ DATE \_\_\_\_\_

\_\_\_\_ DATE \_\_\_\_\_

FOREMAN NA DATE \_\_\_\_\_

APPROVED BY [Signature] DATE 5/4/82