ATTACHMENT (1)

4/19/84

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION

T-250 REMOTE MANUAL PRIMARY CONTAINMENT ISOLATIONS

1.0 PURPOSE

The purpose of this procedure is to provide guidance for the use of remote manual isolation valves within the RECW, SLC, RCIC, RHR, CS, HPCI, D/W CH WTR, various instrumentation system valves, and the Tip Drive Guide Tube isolation valves.

2.0 REFERENCES

2.1 M-13, 41, 42, 48, 49, 51, 52, 55, 57, 61, 87

2.2 Figure 17f-II-C1 - Traversing In-Core Probe Unit Block Diagram

2.3 T-101 RPV Control Procedure

2.4 E-465, Sh. 2

2.5 E-2569 (Connection List)

3.0 PREREQUISITES

3.1 Reactor water level cannot be maintained above -167" or other reasons exist for closing remote manual isolation valves.

4.0 PROCEDURE

NOTE 1

IN THE FOLLOWING SEQUENTIAL PROCEDURE, AN [illegible] EVALUATION MUST BE MADE TO ANALYZE THE SYSTEM AFFECTED BY THE VARIOUS ISOLATIONS, TO DETERMINE WHETHER THE RESULTANT EFFECT WILL OR WILL NOT PLACE THE PLANT IN A MORE SEVERE PLANT CONDITION. IF NOT, PROCEED WITH THE VALVE ISOLATIONS.

NOTE 2

WHEN AN UNKNOWN LEAK IS RELEASING RADIOACTIVE MATERIAL INTO THE REACTOR ENCLOSURE, REVIEW THIS PROCEDURE AND TAKE THE APPROPRIATE ACTIONS TO ISOLATE LEAK.

4.1 RECW to Recirculation Pump Cooler Isolations

If it is suspected that a leak in the Recirculation Pump Seal Coolers is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the Recirculation Pump Cooling Water isolation valves HV13-106 and HV13-107, along with the Recirculation Pump Cooling Water In & Out valves HV13-108 and HV13-111.

B. If closure of these valves do not reduce the amount of radioactive material being released into the Reactor Enclosure, re-open these valves.

4.2 Feedwater System Isolations

If it is suspected that a leak in the Reactor Feedwater system is contributing to a release of radioactive material to the Reactor Enclosure:

A. Check the Reactor Feedwater Bypass valves HV41-109A,B and HV41-133A,B to insure that these valves are closed. Close these valves if open.

4.3 Instrumentation Line Isolations

If it is suspected that a leak in an instrument line is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the following valves indivudually and monitor the North Stack radioactivity effluent for 10 minutes:

Press. Instr. Isolation Valve	HV42-147A
Press. Instr. Isolation Valve	HV42-147B
Press. Instr. Isolation Valve	HV42-147C
Press. Instr. Isolation Valve	HV42-147D
Supp. Pool Press. Instr. valve	SV57-101

D/W Floor Drn. Sump valve	HV61-102
D/W Floor Drn. Sump valve	HV61-112
D/W Floor Drn. Sump valve	HV61-132
Supp. Pool Instr. Iso. valve	HV55-120
Supp. Pool Instr. Iso. valve	HV55-121

B. If closure of these valves do not reduce the amount of radioactive material being released into the Reactor Enclosure, re-open valve if needed for plant operations.

4.4 Standby Liquid Control System Isolations

If it is suspected that a leak in the Standby Liquid Control system is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the Standby Liquid Control Injection valves HV48-1F006A,B.

B. If closure of these valves do not reduce the amount of radioactive material being realeased into the Reactor Enclosure, re-open these valves if required for plant operations.

4.5 RCIC System Isolations

If it is suspected that a leak in the RCIC system is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the RCIC Suppression Pool Water Supply Isolation valve HV49-1F031.

B. Close the RCIC Turbine Exhaust Isolation valve HV49-1F060.

C. Close the RCIC Gland Seal Vacuum Pump Discharge valve HV49-1F002.

D. If closure of these valves do not reduce the amount of radioactive material being released into the Reactor Enclosure, re-open these valves as necessary for plant operations.

4.6 RHR System Isolations

If it is suspected that a leak in the RHR system is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the RHR Pump Suction Isolation valves HV-51-1F004A,B,C,D.

B. Close the RHR LPCI Injection Isolation valves HV51-1F017A,B,C,D.

C. Close the Containment Spray Line Outboard Isolation valves HV51-1F016A,B along with the Containment Spray Line Inboard Isolation valves HV51-1F021A,B.

D. Close the RHR Min Flow valves HV51-105A,B and the Full Flow Test Line valves HV51-125A,B.

E. If closure of these valves do not reduce the amount of radioactive material being released into the Reactor Enclosure, re-open valves as necessary for plant operations.

4.7 Core Spray System Isolations

If it is suspected that a leak in the Core Spray system is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the Core Spray Pump Suction Isolation valves HV52-1F001 A,B,C,D.

B. Close the Core Spray Loop A Injection valves HV52-1F005.

C. If closure of these valves do not reduce the amount of radioactive material being released into the Reactor Enclosure, re-open these valves as required for plant operation.

4.8 HPCI System Isolations

If it is suspected that a leak in the HPCI system is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the HPCI Discharge to Feedwater valve HV55-1F105.

B. Close the HPCI Turbine Exhaust Isolation valve HV55-1F072.

C. If closure of these valves do not reduce the amount of radioactive material being released into the Reactor Enclosure, re-open these valves as needed for plant operations.

4.9 Drywell Chilled Water System Isolations

If it is suspected that a leak in the Drywell Chilled Water system is contributing to a release of radioactive material to the Reactor Enclosure:

A. Close the following valves:

NOTE 1

CLOSING THESE VALVES WILL AUTOMATICALLY OPEN THE REACTOR ENCLOSURE COOLING WATER BACKUP SUPPLY VALVES HV87-124A,B(224) AND HV87-125A,B(225). THESE VALVES MUST NOT BE OPENED. SO BEFORE CLOSING THE DRYWELL CHILLED WATER OUTBOARD ISOLATION VALVES, LIFT THE FOLLOWING LEADS TO INSURE THAT THE RECW VALVES REMAIN CLOSED.

Terminal Point	Panel No.
AA-43	00C681
BB-07	00C681
BB-34	00C681
BB-43	00C681

Drywell Chilled Water Outboard Isolation Valves	HV87-120A,B(220)
Drywell Chilled Water Isolation Valves	HV87-121A,B(221)

B. If closure of these valves does not reduce the amount of radioactive material being released into the Reactor Enclosure, re-open these valves as required for plant operations.

4.10 Tip Drive Isolations

If it is suspected that a leak in the Tip Guide Tubes is contributing to a release of radioactive material to the Reactor Enclosure:

A. Fire the Tip Sheer valves 140A-E to isolate the guide tubes.

5.0 RETURN TO NORMAL

5.1 Re-terminate the leads lifted in step 4.9

_____ /
Initial Verify

Terminal Point	Panel
AA-43	00C681
BB-07	00C681
BB-34	00C681
BB-43	00C681