
**IRI Power Plant Operator
OJT Training Checklist (OJTC)**

Plant Operator

IRI-07-OJTC

Performance Measure: Feedwater System

Name: _____

All Parts Satisfactorily Completed:

(Examiner's Signature)

(Date)

Supervisor's Comments: _____

References:

- Training Module IRI-07

Materials Needed:

- Pencil
- System Description – Feedwater System – IRI-07-SD.
- System Operating Procedure – Feedwater System – IRI-07-SOP.
- Associated Operator Route Checklist
- Associated UTA System P&I, Logic or E-Drawings, and Equipment Technical Manuals.

Safety/Environmental:

- Wear hard hats, safety glasses, safety toe shoes, and ear plugs as required.
- Discuss safety and environmental hazards associated with operating the system.
- Discuss any unusual operating conditions associated with the system.

Note: Always observe all plant safety rules in accordance with IRI Power Plants Safety and Health procedures and all Federal, State and/or Local OSHA Standards.

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Part A: Location of System Components

Conduct a walk through of the plant, locate, identify and describe the operational function of the following components.

1. Deaerators 1, 2, 7 and 8
2. BFP's 1-5
3. BFP's 71-73
4. BFP's 81-83
5. HP Heaters 1, 2, 6, 7 and 8

Satisfactorily Completed _____

Part B: Location of Valves

Conduct a walk through of the plant, locate, identify and describe the operational function of the following valves.

1. Boilers 1, 2, 3, 6, 7, and 8 Feedwater Control Valve
2. BFP's Suction and Discharge Valves
3. BFP's Recirculation Valves
4. High Pressure Feedwater Heaters Inlet, Outlet and Bypass Valves
5. Economizer Inlet Valve

Satisfactorily Completed _____

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Part C: Location of Control Panels and Breakers

Conduct a walk through of the plant, locate, identify and describe the operational function of the following control panels and breakers.

1. BFP's 1, 2, 4 and 5 motor breakers
2. BFP's 71, 72 and 73 motor breakers
3. BFP's 81, 82 and 83 motor breakers

Satisfactorily Completed _____

Part D: Preparation for Operating

Demonstrate or simulate how to prepare for operating the Feedwater System. Explain your actions at each step.

1. Verify all maintenance work is completed and all clearance tags are cleared and removed.
2. Verify AC and DC electrical power is available.
3. Verify pumps and motors lubrication at proper level.
4. Verify BFP's suction and discharge valves open
5. Verify BFP's recirculation valves open
6. Verify Feedwater control valves are valved properly
7. Verify Economizer inlet valves open

Satisfactorily Completed _____

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Part E: System Startup

Demonstrate or simulate a normal start up of the Feedwater System. Explain your actions and observations at each step of the procedure.

1. Start Boiler Feed Pump
2. Check pump for excessive noise and/or vibration
3. Verify pump and motor lubrication levels
4. Verify recirculation valve operating properly
5. Verify that HP Heaters are filled and vented
6. Verify that steam side of HP Heaters are at their normal water level

Satisfactorily Completed _____

Part F: System Inspection

Conduct a complete system inspection of the Feedwater System. Explain your actions and observations as equipment is inspected.

1. Check pressures, temperatures and flows for proper operation.
2. Check pumps and motors for proper lubrication levels.
3. Identify “out of limits” process parameters and communicate with Control Operator and/or Supervisor.

Satisfactorily Completed _____

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Part G: System Shutdown

Demonstrate or simulate a normal shutdown of the Feedwater System. Explain your actions and observations at each step of the procedure.

1. Verify the Boiler Feed Pump can be taken out of service
2. Shutdown Boiler Feed Pump

Satisfactorily Completed _____

Part H: Personnel and Equipment Safety

Performed all aspects of the JPM using safe operating practices and following plant safety and environmental procedures.

Satisfactorily Completed _____