

NUCLEAR FACILITY SAFETY & COMPLIANCE INSPECTION CHECKLIST

GENERAL INFORMATION

Name: _____

Date: _____

Location: _____

Facility Structure & Containment

- Yes No — Containment structures show no cracks or degradation
- Yes No — Access points are secure and properly sealed
- Yes No — Structural components meet design specifications
- Yes No — No visible signs of corrosion or material failure

Radiation Monitoring & Control

- Yes No — Radiation monitoring systems are operational and calibrated
- Yes No — Radiation levels are within approved safety limits
- Yes No — Warning signage is visible and compliant
- Yes No — Dosimeters are available and properly maintained

Reactor & Critical Systems

- Yes No — Reactor control systems function as designed
- Yes No — Cooling systems are operational and redundant
- Yes No — Control rods and shutdown mechanisms respond correctly
- Yes No — No abnormal readings or alarms present

Electrical & Instrumentation

- Yes No — Power supply systems are stable and redundant
- Yes No — Backup generators are tested and operational
- Yes No — Control panels and indicators function correctly
- Yes No — Instrumentation is clearly labeled and accessible

Safety Systems & Emergency Preparedness

- Yes No — Emergency shutdown procedures are documented and tested
- Yes No — Fire suppression systems are operational
- Yes No — Evacuation routes are clearly marked and unobstructed
- Yes No — Emergency drills are conducted and recorded

Waste Handling & Storage

- Yes No — Radioactive waste is stored in approved containers
- Yes No — Storage areas are secure and monitored
- Yes No — Waste labeling and documentation are accurate
- Yes No — No leaks or containment breaches detected

Personnel Safety & Training

- Yes No — Staff training and certifications are current
- Yes No — Personal protective equipment is available and used
- Yes No — Access to restricted areas is controlled
- Yes No — Safety procedures are understood and followed

Regulatory Compliance & Documentation

- Yes No — Operating licenses and permits are current
- Yes No — Inspection and maintenance logs are up to date
- Yes No — Incident reporting procedures are in place
- Yes No — Facility complies with nuclear regulatory standards

FINAL NOTES

Inspector Comments:

Inspector Name: _____

Inspector Email: _____

Inspection Date: _____

I confirm this inspection was completed accurately

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