

**Darlington Nuclear Generating Station REGDOC-3.1.1 Reporting
Q1-2024**

<i>Report Number</i>	<i>Event Title</i>
D-2024-00062	Missed Test: As-Found Test of Pressure and Inventory Control System Bleed Condenser Relief Valve
D-2024-00184	Degradation: Impairment of Negative Pressure Containment System, due to Inadvertent Operation of Circuit Breaker, no Safety or Operability Impacts
D-2024-01131	Unplanned Power Change: Unit 3 Transient due to Boiler Feed Pump Trip, no Operability Impact
D-2024-01140	Regulatory Interest: Tubing Penetration Insulation Assumptions at the Feeder Cabinet, no Safety or Operability Impacts
D-2024-01399	Licence Non-Compliance: Heavy Water Management Building, West Annex, Fixed Area Alarming Gamma Monitors Found in Service Beyond Calibration Due Date
D-2024-01731	Environmental Action Level Exceedance: Tritium Removal Facility, Elemental Tritium, Safely Resolved
D-2024-03701	Licence Non-Compliance: Non-Dose Management System Active Worker Entered a Radiological Area, no Exposure Levels or Dose Limits Exceeded

**Darlington Nuclear Generating Station REGDOC-3.1.1 Reporting
Q2-2024**

<i>Report Number</i>	<i>Event Title</i>
D-2024-06318	Licence Non-Compliance: Driver Left Unescorted in the Protected Area, Safely Resolved
D-2024-06353	Component Degradation: Relief Valve Stuck Closed During As-Found Test
D-2024-06646	Environmental Release Control: Unit 3 Fire Resistant Hydraulic Fluid Leaks, no Environmental Impact
D-2024-06668	Environmental Release Control: Refrigerant Leak on Refrigeration Unit, no Environmental Impact
D-2024-07005	Radiation Protection Action Level Exceedance: Tritium, Unit 2 Moderator Pump Room, Safely Resolved
D-2024-07028	Degradation: Unit 3, Standby Class 3 Power System Unavailable
D-2024-07080	Regulatory Interest: Missed Samples for Total Residual Chlorine, no Environmental Impact
D-2024-07665	Licence Non-Compliance: Driver Left Unescorted in the Protected Area, Safely Resolved
D-2024-08146	Licence Non-Compliance: Reports for Annulus Gas System Unavailability Events not filed per REGDOC-3.1.1
D-2024-08189	Licence Non-Compliance: Deficiency with Radiation Hazard Signage, Unit 3 Gaseous Fission Product Monitoring Room, Safely Resolved
D-2024-08463	Licence Non-Compliance: Notification of Changes to Notice of Regulatory Undertakings Not Issued to CNSC staff

D-2024-09016	Regulatory Interest: Unit 3 Annulus Gas System Leak Detection Unavailable, Relief Valve Opened and Failed to Reseat, no Operability Impact
D-2024-09096	Regulatory Interest: Unit 3 Annulus Gas System Leak Detection Unavailable, Relief Valve Opened and Failed to Reseat, no Operability Impact
D-2024-09569	Regulatory Interest: Late Chlorine Analysis, no Environmental Impact
D-2024-09596	Regulatory Interest: Potential Unanticipated Neutron Radiation at Retube Waste Processing Building, Below Posting or Dosimetry Requirements
D-2024-09607	Missed Predefine: Relief Valve Testing Date Missed
D-2024-10350	Degradation: Unit 2, Standby Class 3 Power System Unavailable



Darlington Nuclear Generating Station REGDOC-3.1.1 Reporting Q3-2024

<i>Report Number</i>	<i>Event Title</i>
D-2024-10829	Missed Predefine: Unit 2 Emergency Coolant Injection Instrumentation Calibration
D-2024-11297	Environmental Release Control: High Chlorine in Condenser Cooling Water Discharge, no Environmental Impact
D-2024-11487	Licence Non-Compliance: Radioactive Drums without Visible Labeling, Safely Resolved
D-2024-11508	Degradation: Unit 1, Standby Class 3 Power System Unavailable
D-2024-12516	Unplanned Power Change: Unit 3, Condenser Cooling Water Pump Trips on High Travelling Screen Differential Pressure, no Operability Impact

D-2024-13161	Component Degradation: Relief Valve As-Found Test Failed High
D-2024-13433	Licence Non-Compliance: Unposted Radiation Hazard in Fuel Handling Maintenance Shop Rubber Area, Safely Resolved
D-2024-13670	Missed Predefine: As-Found Test of Primary Heat Transport System Feed Circuit Relief Valve
D-2024-13673	Degradation: Unit 1 Secondary Control Area Unavailable due to Air Conditioning Units Unavailability
D-2024-13891	Degradation: Unit 2, Steam Generator Emergency Cooling System Unavailability, Valves Failed to Open, no Operability Impact
D-2024-13918	Component Configuration: Unit 1, Moderator Cover Gas System Valve Handle Installed Incorrectly, no Operability Impact
D-2024-14200	Contingency Plan: Welding Hot Work Event on Feeder Cabinet Catwalk, Safely Resolved
D-2024-14205	Component Degradation: Relief Valve As-Found Test Failed High
D-2024-14693	Licence Non-Compliance: Unlabeled Radioactive Waste, Safely Resolved
D-2024-14701	Safeguards: Lost Power to IAEA Camera Control Cabinet, Unplanned Power Outage, Safely Resolved
D-2024-14947	Programmatic Non-Compliance: Unresolved Gaps Related to OPG/Subsidiary Interface
D-2024-15201	Misuse: Worker Covered Audio-Visual Telemetry System Camera, Safely Resolved



Darlington Nuclear Generating Station REGDOC-3.1.1 Reporting Q4-2024

D-2024-15587	Component Degradation: Relief Valve As-Found Test Failed High
D-2024-15721	Environmental Release Control: Demineralized Tank Overfilled Resulting in Spill to Yard, no Environmental Impact
D-2024-15855	Radiation Protection Action Level Exceedance: Unit 1, Acute Tritium Uptake While Working on Reactor Shutdown Guarantees, Safely Resolved
D-2024-15996	Unplanned Power Change: Unit 2 Turbine Trip on Loss of Excitation, no Operability Impact
D-2024-16449	Component Degradation: Relief Valve Stuck Closed During As-Found Test
D-2024-17116	Regulatory Interest: Unit 2 Target Delivery System Over Pressure Protection Issues, no Operability Impact
D-2024-17256	Safety System: Unit 1, Shutdown System 1 and Shutdown System 2 Trips on Steam Generator Low Level, no Safety Impact
D-2024-18830	Degradation: Unit 4, Steam Doors Found Open, Standby Class 3 Power System, no Safety or Operability Impacts
D-2024-18944	Missed Predefine: Unit 2, Safety-Related System Test for Reactor Regulating System Control Absorber Rod Partial Drop Test Not Completed Prior to Late Date, no Safety Impact
D-2024-19084	Missed Predefine: Standby Generator Fuel Management Building, Annual Fire Panel Inspection and Testing, no Safety Impact
D-2024-19121	Missed Predefine: Emergency Power System Fuel Management Building, Monthly Fire Panel Inspection and Testing, no Safety Impact

D-2024-19370	Missed Predefine: Safety Related System Test, Containment System - East and West Fueling Facilities and Auxiliary Area Personnel Airlock Chamber Leak Rate Test, no Safety Impact
D-2024-19499	Licence Non-Compliance: Incomplete Written Notification to CNSC staff
D-2024-19625	Missed Predefine: Unit 4, Monthly Fire Panel Testing and Inspections, Turbine Hall, Modular Offices and Tool Cribs (East), no Safety Impact
D-2024-19678	Regulatory Interest: Unit 3, Annulus Gas System Leak Detection Unavailable, no Operability Impact
D-2024-20150	Regulatory Interest: Pressure Tube Burst Test Result from Artificially Hydrided Burst Test Specimen, Deviation from Nominal Prediction, no Fitness for Service Concern
D-2024-20197	Regulatory Interest: Unit 1, Annulus Gas System Leak Detection Unavailable, no Operability Impact
D-2024-20215	Environmental Release Control: Unit 3, Lube Oil Heat Exchanger Leak, Safely Resolved