

**Darlington Nuclear Generating Station REGDOC-3.1.1 Reporting
Q1-2021**

<i>Report Number</i>	<i>Event Title</i>
D-2021-01493	Environmental Release Control on Refrigeration Unit
D-2021-02568	Regulatory Interest: Ministry of Labour Notified of Injury, Fractured Wrist, Slip and Fall on Approved Walkway
D-2021-02911	Regulatory Interest: Darlington Contract Employee Tested Positive for COVID-19, Not Work Related
D-2021-02998	Regulatory Interest: Ministry of Labour Notified of Injury, Fractured Wrist, Slip on Stairwell
D-2021-03011	Licence Non-Compliance: Amended Radiation Protection Regulations SOR/2020-237
D-2021-04248	Regulatory Interest: Darlington Employees Tested Positive for COVID-19, Not Work Related
D-2021-04856	Regulatory Interest: Darlington Contract Employee Tested Positive for COVID-19, Not Work Related
D-2021-05393	Missed Predefine: Unit 1 Safety-Related System Test Completed After Late Date
D-2021-05485	System Degradation: Unit 2 Steam Generator Emergency Cooling System Potential Unavailability, due to Environmentally-Qualified Junction Boxes Found Without Drain Holes
D-2021-05636	Regulatory Interest: Darlington Contract Employee Tested Positive for COVID-19, Not Work Related

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D-2021-06714	Research Findings: Darlington Pressure Tube Inlet Rolled Joint Hydrogen Equivalent Concentration Results
D-2021-06730	Regulatory Interest: Darlington Employee Tested Positive for COVID-19, Not Work Related
D-2021-07030	Regulatory Interest: Darlington Employee Tested Positive for COVID-19, Not Work Related
D-2021-07083	Degradation: Loss of Steam Protection to Main Control Room resulted in brief Shutdown System 1 Impairment Equivalent
D-2021-07517	Unplanned Power Change: Unit 1 Turbine Generator Trip
D-2021-08207	Unplanned Power Change: Unit 4 Turbine Trip during Execution of Safety-Related System Test
D-2021-08324	Research Finding: Analysis Gap for Emergency Coolant Injection Pipe Breaks
D-2021-08699	Regulatory Interest: Darlington Employees Tested Positive for COVID-19, Not Work Related
D-2021-08785	Regulatory Interest: Hydro Pole Fire in Upper Parking Lot, outside of Darlington Protected Area
D-2021-09524	Operating Experience: Unit 2, Through Bolt Material Grade Designation Discrepancy between Installed Material and Design Documentation for Auxiliary Shutdown Cooling Pumps, no Operability Impact

D-2021-09751 Nuclear Safety Analysis Finding: Updated Analysis Predicts Lower Containment Repressurization Times than in Darlington Safety Report, no impact to Safe Operating Envelope Limits



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D-2021-11300 Regulatory Interest: Confirmatory Bioassay Results

D-2021-11848 Regulatory Interest: Moisture Separator Degradation Observed during Planned Steam Generator Inspection, No Safety Impact

D-2021-12086 Research Findings: Darlington Pressure Tube Inlet Rolled Joint Hydrogen Equivalent Concentration Results

D-2021-12174 Licence Non-Compliance: Orange Badge Qualified Workers Entered Radiation Area without Radiation Exposure Permits or Electronic Personal Dosimetry, No Significant Radiation Exposures Resulted

D-2021-12227 Licence Non-Compliance: Station Minimum Complement

D-2021-12470 Regulatory Interest: Ministry of Labour Notified of Injury, Fractured Ankle When Descending Stairs

D-2021-12506 Research Findings: Unit 3, Channel S13, Darlington Axial Delayed Hydride Cracking Growth Rate Results

D-2021-12971 Regulatory Interest: Ministry of Labour Notified of Accident, Tape Measure Contacts Prongs of Energized Ground-Fault Circuit Interrupter, No Injuries

D-2021-13173 Regulatory Interest: Member of public observed speeding on-site, prohibited items discovered in vehicle, turned over to Durham Regional Police Service

- D-2021-13523 Regulatory Interest: Ministry of Environment, Conservation and Parks Notified, Missing Data from Lagoon Datalogger
- D-2021-13995 Regulatory Interest: Ministry of Labour Notified of Injury, Fractured Wrist due to Fall in Parking Lot, outside of Darlington Protected Area
- D-2021-14288 Regulatory Interest: Member of public observed speeding on-site, driving unsafely, suspected intoxicated, turned over to Durham Regional Police Service



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- D-2021-15065 Safeguards: Inadvertently-Broken International Atomic Energy Agency Seal, East Fuelling Facility Auxiliary Area Bridge
- D-2021-15768 Environmental Release Control: Small Oil Sheen on Oil Contaminated Water Treatment System Pump, Discharge to Forebay, no Adverse Environmental Impact
- D-2021-16298 Licence Non-Compliance: Improperly Labelled Radiological Hazard, Waste Bag
- D-2021-17619 Regulatory Interest: Darlington Contract Employee Tested Positive for COVID-19, Not Work Related
- D-2021-17749 Regulatory Interest: Unit 4 Hydrazine Spill Found, resolved with no immediate health impacts
- D-2021-17939 Regulatory Interest: Three Shutdown System 2 Neutron Overpower Detectors Prompt Fractions Estimated Below 80%, no Operability Impact
- D-2021-18757 Regulatory Interest: Ministry of Labour Notified of Injury, Two Fractured Fingers, Pinched Between Hydraulic Ram Body and Cylinder Nut

D-2021-19052	Regulatory Interest: Darlington Employee Tested Positive for COVID-19, Not Work Related
D-2021-19117	Potential Programmatic Licence Non-compliance: Adverse Trend - Gaps in Implementation of Safe Operating Envelope, no Nuclear Safety Impact
D-2021-19233	Regulatory Interest: Confirmatory Bioassay Results
D-2021-19395	Licence Non-compliance: Heavy Water Management Building, West Annex, Fixed Area Alarming Gamma Monitors Out of Calibration
D-2021-19465	Regulatory Interest: Darlington Employee Tested Positive for COVID-19, Not Work Related
D-2021-99999	Regulatory Interest: Darlington Contract Employee Tested Positive for COVID-19, Not Work Related
D-2021-19709	Licence Non-compliance: Radiation Hazard Warning Not Posted at Unit 2, Airlock 2 Access Control Gate
D-2021-19938	Regulatory Interest: Darlington Employee Tested Positive for COVID-19, Not Work Related