

S-99 Reports

In accordance with regulatory standard entitled S-99 Reporting Requirements for Operating Nuclear Power Plants, power reactors operating in Canada must issue formal reports to the Canadian Nuclear Safety Commission (CNSC) on events defined in the S-99 regulatory standard.

The following is a list of S-99 event reports* that were generated for Darlington operations in 2009, excluding those containing confidential or security-related information. Ontario Power Generation provides an update to this list on a quarterly basis.

Questions? For more information on the Event Reports listed, Event Reports from prior years or other reports on OPG's operations, contact ***Jacquie Hoornweg, Director Nuclear Public Affairs*** at 416-592-6806.

Darlington Nuclear Generating Station 2009 S-99 Reporting

Event Number	S-99 Report Title
1st Quarter	
D-2009-00224	Late Licence Pre-defined: Safety-Related System Test (SRST) Completed Past Due Date
D-2009-01035	Potential System Degradation: Unsecured Items Left Unattended in Seismic Room
D-2009-01081	Licence Condition Non-Compliance: Tritium Removal Facility (TRF) fire Hose Cabinet Blocked by Scaffolding
D-2009-01194	Environment: Ground Heater Leaked Glycol (Contaminated Soil Removed)
D-2009-01457	Environment: Municipal Industrial Strategy for Abatement (MISA) Exceedence for Daphnia Magna
D-2009-01484	Potential System Degradation: Flood Relief Path Affected by Transient Material and Scaffold
D-2009-01712	Potential Pressure Boundary Degradation: Class 6 Relief Valve Did Not Lift at Set Pressure Range During Bench Test
D-2009-01833	Operating Policies and Principles (OP&P) Non-Compliance: Maintenance Procedure Executed Without Appropriate Approvals
D-2009-02190	Health and Safety Equipment: Emergency Eyewash Station Found Deployed
D-2009-02379	Potential System Degradation: 1-21365-R1-304C Steam Door Found Open (As Found Condition)
D-2009-02982	Potential Pressure Boundary Degradation: Sludge in LPSW Supply to Vault Cooler RVs
D-2009-03266	Misuse of Safety Equipment: PA Speaker Found Plugged with Paper Towels

Event Number	S-99 Report Title
2nd Quarter	
D-2009-03549	Misuse of Safety Equipment: U1 TCD 3/4 PA Speaker Stuffed With Paper Towel
D-2009-03680	Revised Safety Analysis: Discrepancies Between DARA Initiating Event Frequency Estimates and Darlington Safety Report Event Classification
D-2009-04030	Health and Safety: Pinched Finger
D-2009-04130	Misuse of Safety Equipment: Fire Door Propped Open
D-2009-04378	Actuation of Special Safety Subsystem: Unplanned Start of ECI Equipment and Standby Generators - Human Performance - VBO
D-2009-04623	Potential System Degradation: Steam Door Alarming
D-2009-04667	Potential System Degradation: D941 Airlock 1 Unit 4 Breach
D-2009-05068	Hazards Not Addressed in Licensing Documents: VBO ESW Pumps Discovery Work
D-2009-05400	Licence Condition Non-compliance: Vacuum Building Outage (VBO) Re-locatable Structures (Outage Trailers) Code CSA N-293 Non-compliance
D-2009-05965	System Degradation: D911 Repeat Functional Failure 1-62111-PV150
D-2009-05977	System Degradation: D911 Spurious initiation of ECI LP pumps during U1 warm up
D-2009-06117	System Degradation: D931 3-21365-R3-426D Steam Door Not Latching
D-2009-06169	System Degradation: Unit 2 Waste Lay Down 100 m Elevation Q7-8 L7-8 No SATM in Flood Path
D-2009-06418	Pressure Boundary Degradation: RV Relief Path Closed on Moderator Cover Gas Supply PRV's
D-2009-06440	System Degradation: D931 U3 Breach in Containment AL1 for 23 seconds, AL1 Annunciation Lamps not working
3rd Quarter	
D-2009-07912	Reactor and Turbine Control: Programmable Controller Fault Results in Temporary Challenge to Inter-Unit Heavy Water Transfer Capability
D-2009-08415	Research Finding: Unit 4 Pressure Transient Parameters Exceed Conservatisms in Approved Pressure Tube Flaw Assessment
D-2009-08718	Research Finding: Independent Technical Panel (ITP) Review of Enhanced Neutron Overpower Protection (NOP) Methodology
D-2009-08734	Research Finding: Zircaloy Oxidation in Air
D-2009-08736	Environmental Release: Environment - 1 L of Oil Spilled in Vehicle Parking Lot
D-2009-09165	Authorized Employee Temporarily Removed from Duty Due to a Missing Training Qualification

Event Number	S-99 Report Title
D-2009-09322	Research Finding or Revised Analysis: "ACE Calculation for Valve Group D33810H Indicates Negative Margin"
D-2009-09420	Safety Related System Test (SRST) Completed Past Due Date on Conventional Water System
D-2009-10486	Inspection Reports not submitted within required timeline
4th Quarter	
D-2009-11678	Licence Condition Non-compliance: Pressure Boundary Non-conformance to procedure
D-2009-11835	Inspection Reports not submitted within required timeline [Detailed Event Report included in report for D-2009-10486]
D-2009-12958	Radial DHC Growth Rate Results Above CSA N285.8 Upper Bound (external result)
D-2009-13044	D3Q13 SFCR Pressure Tube annulus spacers stretched, damaged upon receipt at AECL-CRL
D-2009-13400	Licence Condition Non-compliance: Unit 4 Periodic Inspection Program (PIP) items not inspected during first 10 year cycle
D-2009-13632	Public Address speaker wiring found disconnected
D-2009-13872	Potential System Degradation: Test Indicated Backup Instrument Air Supply Capacity May Not be Sufficient
D-2009-14210	Emergency Response Team (ERT) Mobilized to Extinguish Outdoor Waste Bin Fire
D-2009-14290	Challenge to Minimum Complement
D-2009-14668	Demineralized Water Storage Tank Overfilled with Lake Water Results in Spill to Environment

*This list is for events reportable under section 6.3 of the S-99 regulatory standard, including immediate and next business day reportable events. In accordance with S-99, additional reporting is required on a quarterly and annual basis.