

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 2011, 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 **Kevin Powers, Director Nuclear Public Affairs** at 416-592-8470.

Darlington Nuclear Generating Station 2011 S-99 Reporting

Event Number	S-99 Report Title
1st Quarter	
D-2011-00264	Foreign Material Placed In PA Speaker
D-2011-00518	Foreign Material Placed In PA Speaker
D-2011-00624	Medical Event - Employee Sent To Hospital (non-work related)
D-2011-01347	Steam Door Found Open and Alarming
D-2011-01348	Steam Door Found Open and Alarming
D-2011-01366	TSSA Witness Point Missed On Pressure Boundary Inspection and Test Plan (ITP)
D-2011-01430	Authorized Nuclear Inspector Pressure Boundary Witness Point Missed
D-2011-01444	Piping On Discharge Side of Relief Valve Does Not Meet Design Requirements
D-2011-01735	Certification Anomaly In 2010
D-2011-01754	Fuel Handling Pressure Boundary Non-Conformance
D-2011-01954	Foreign Material Placed In PA Speaker
D-2011-02124	Fuel Handling Pressure Boundary Non-Compliance
D-2011-02316	Steam Door Closed But Not Latched
D-2011-03318	Platform Not Potentially Seismically Qualified
D-2011-00264	Foreign Material Placed In PA Speaker

Event Number	S-99 Report Title
1st Quarter (continued)	
D-2011-02124	Fuel Handling Pressure Boundary Non-Compliance
D-2011-02316	Steam Door Closed But Not Latched
D-2011-03318	Platform Not Potentially Seismically Qualified
2nd Quarter	
D-2011-03602	Steam Door Found Open
D-2011-04096	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-03300	Revised Analysis: Void Reactivity Feedback on Reactor Power During a Loss of Flow Event
D-2011-04344	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-04364	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-03260	Revised Analysis: Emergency Service Water Availability Post Main Steam Line Break
D-2011-01270	Auxiliary Service Water Valve Missing
D-2011-01270	Late S-99 Determination - Auxiliary Service Water Valve Missing
D-2011-05057	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-05203	PA Speaker Assembly Missing
D-2011-04902	Unit 3 Shutdown Cooling Declared Unavailable
D-2011-05779	Fire In Reactor Maintenance Building
D-2011-05345	Pressure Boundary Non-Compliance
D-2011-05987	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-06113	Steam Door Alarm Switch Taped Over
D-2011-06234	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-06740	Preventative Maintenance Incorrectly Suspended
D-2011-07111	Station Minimum Complement Violation
D-2011-06940	Unit 3 Shutdown Cooling Declared Unavailable
D-2011-07535	Steam Door Propped Open
3rd Quarter	
D-2011-08056	Non-Pressure Boundary Item Specified For Pressure Boundary Application
D-2010-07500	Improperly Posted Radiation Hazard
D-2011-08208	Late S-99 Report For 2010 Event (D-2010-07500)
D-2011-08476	Station Minimum Complement Violation
Event Number	S-99 Report Title

3rd Quarter (continued)	
D-2011-07379	Blind Flanges Installed Under An Emergency Modification Without An Inspection and Test Plan (ITP)
D-2011-08659	Unit 3 Transient: Odd Shutoff Rod Dropped In Core
D-2011-09064	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-04071	Pressure Boundary: Drains Operating Pressure Is Higher Than Design Pressure
D-2011-04071	Late S-99 Report For 2011 Event (D-2011-04071)
D-2011-09794	Relief Valve Found Above Given Set Pressure Range
D-2011-10152	Breach Of Containment Alarm On Airlock (During Unit Outage)
D-2011-10199	Impairment Of Ventilation Ductwork In Steam Protected Area
D-2011-10337	Fire Door Discovered Propped Open
D-2011-10585	Pressure Boundary: Equipment Degradation
D-2010-12544	Breach Of Containment Alarm On Airlock (During Unit Outage) (reported in Q3-2011)
D-2010-13431	Breach Of Containment Alarm On Airlock (During Unit Outage) (reported in Q3-2011)
D-2010-12701	Breach Of Containment Alarm On Airlock (During Unit Outage) (reported in Q3-2011)
D-2010-10824	Breach Of Containment Alarm On Airlock (During Unit Outage) (reported in Q3-2011)
D-2010-11372	Breach Of Containment Alarm On Airlock (During Unit Outage) (reported in Q3-2011)
D-2010-11767	Breach Of Containment Alarm On Airlock (During Unit Outage) (reported in Q3-2011)
4th Quarter	
D-2011-10361	Revised Analysis: Impact of Non-Representative Data From Stern CHF Test Assessment
D-2011-11121	Registered Pressure Boundary Lacking Detailed Piping Layout Drawing
D-2011-11524	Unit 1 – ECI Interspace High Pressure
D-2011-11767	Relief Valve Found Above Given Set Pressure Range
D-2011-12089	Station Minimum Complement Violation
D-2011-12731	Relief Valve Lifted Above Given Set Pressure Range
D-2011-13127	Pressure Vessel Certificates of Inspection Not Available
D-2011-13130	Pressure Boundary Non-Conformance
D-2011-13220	Boiler Feedwater Pipe Hanger Damaged
D-2011-12120	Research Findings: Pressure Tube at High Hydrogen Concentration - Burst Test Results
D-2011-14067	Class 6 Pressure Boundary Non-Compliance

*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.