

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
02/01/2009	Dungeness B	0	Unplanned automatic trip of reactor 21
02/01/2009	Hinkley Point B	0	Reactor 3 automatic shutdown following failure of turbo-alternator 7 microgovernor.
03/01/2009	Torness	0	Manual trip of reactor 2 due to high lubricating oil temperature on the main turbine
05/01/2009	Hinkley Point B	0	Reactor 4 automatic shutdown following loss of feed water flow.
07/01/2009	All EDF Energy sites	NR	Lost time injury due to slip on flat surface
11/01/2009	Hinkley Point B	0	Reactor 4 automatic shutdown during guardline functional testing
12/01/2009	Heysham 2	NR	Minor personal injury - contractor slipped on stairs injuring knee
15/01/2009	Heysham 2	0	Manual shutdown of reactor 8 due to rising turbine lubricating oil temperature
20/01/2009	Torness	NR	Lost time accident due to muscle strain when opening the door to a pressurised stairwell
21/01/2009	Torness	0	Low level radioactive material transport package anomaly
26/01/2009	Heysham 2	0	Reactor 8 manual shutdown following high temperatures recorded on turbine thrust bearing pads
27/01/2009	Hartlepool	0	Reactor 1 manually tripped due to generator protection issues.
29/01/2009	Sizewell B	0	Electrical short circuit of 415 V plant protection board 1.
29/01/2009	Torness	0	Unofficial industrial action taken by contract partner
03/02/2009	Dungeness B	0	Environment Agency warning letter regarding gaseous sampling cubicles
05/02/2009	Heysham 1	1	Gas Circulator speed indicator fault
06/02/2009	Heysham 1	0	Unplanned automatic trip of reactor 1 during generator transformer cooler exchanges
13/02/2009	Hartlepool	0	Reactor 2 manually tripped following fault with control rod
17/02/2009	Heysham 1	0	Electrical equipment cabinet left open leaving equipment vulnerable to risk of steam release
18/02/2009	Heysham 2	NR	Smoke alarm activated due to minor smouldering from heater in off site stores building
19/02/2009	Hartlepool	0	Reactor 2 manually tripped due to high vibrations detected on turbine generator 2
05/03/2009	Hunterston B	0	Smoke and flames observed at start and standby boiler feed pump liquid slip regulator tank during testing.
06/03/2009	Heysham 1	0	Radiation dose rate greater than required limit found outside controlled area
12/03/2009	Heysham 1	0	Site incident declared in response to smouldering lagging
13/03/2009	Heysham 1	0	Elevated radiation dose rate measured on valve in radioactive effluent treatment plant
16/03/2009	Dungeness B	0	Administrative issue with the transport of radioactive material (Neutron flux detectors)
20/03/2009	Hunterston B	0	Cladding fire developed following hot work to repair roof.
22/03/2009	Heysham 2	0	Flask admin anomaly
24/03/2009	Hinkley Point B	1	Routine sampling of site boreholes 9 and 11 detected elevated levels of Tritium
26/03/2009	Torness	0	Flask admin anomaly
26/03/2009	All EDF Energy sites	0	Flask admin anomaly
27/03/2009	Torness	NR	Environmental maintenance routines not completed on their due date
29/03/2009	Heysham 2	1	Reactor 8 automatic trip on dropped stringer protection due to hoist stop whilst lowering new fuel assembly
03/04/2009	Torness	1	When reactor 2 was shut down for maintenance 2 out of the 8 essential diesel generators failed to start
04/04/2009	Heysham 1	0	Boiler closure unit environmental control system unavailability tracking delay
05/04/2009	Heysham 1	0	Automatic trip of reactor 1 due to chloride ingress protection
08/04/2009	Heysham 2	0	Potential for insufficient cooling during the loading of a new fuel assembly under certain fault conditions identified
19/04/2009	Hunterston B	0	Reactor shut down manually following feed heater trip.
23/04/2009	Heysham 1	0	Radioactive effluent treatment plant oil separators unavailability
24/04/2009	Hartlepool	0	Reactor 2 manually tripped following hydrogen leakage on alternator
27/04/2009	Hunterston B	0	False fire alarm, caused by steam setting off fire detector.
27/04/2009	Hinkley Point B	NR	Night freight delivery driver closed vehicle rear roller door and fell backwards onto ground
28/04/2009	Heysham 1	0	Seismic tremor experienced on site
30/04/2009	Hinkley Point B	0	Manual shutdown of reactor 3 following the failure of a control fluid hose
01/05/2009	Hunterston B	0	Condensate system tripped on chloride protection during preparation to return unit to service.
05/05/2009	Hinkley Point B	0	Reactor 4 manually shutdown to allow an earth fault repair to be carried out on generator 8 exciter
07/05/2009	Heysham 2	NR	Electrochlorination plant pipework failed when pressurised
12/05/2009	Hunterston B	0	Reactor tripped automatically following operation of earth protection on station transformer.
13/05/2009	Dungeness B	1	Environment Agency warning letter regarding enhanced tritium levels found in borehole 106
14/05/2009	Hartlepool	0	Missed maintenance schedule routine on H&V fire dampers due to incorrect test specification
15/05/2009	Hunterston B	0	Discharge of low activity liquor to sea during preparations for pressure testing of the discharge pipe.
18/05/2009	Hinkley Point B	NR	Accident to member of staff caused whilst rotating a carousel storage unit
19/05/2009	Hartlepool	0	Reactor 1 manual trip due to leak of control fluid from turbine valve
22/05/2009	Hunterston B	NR	Turbine seal oil cooler tube nest leak to cooling water system.
26/05/2009	Heysham 1	0	Leak of sea water in turbine hall basement from a buried cast iron pipe
28/05/2009	Hinkley Point B	1	Borehole investigations identified a defect in a sump allowing low levels of tritium to enter a non-approved discharge route
30/05/2009	Hinkley Point B	0	Radioactive particle found on the charge hall centre block (not classified as a C2 area)
08/06/2009	Heysham 2	0	A spent fuel element delivered to Sellafield differed to that quoted on the packing sheet paperwork.
10/06/2009	Heysham 2	1	Truck outriggers inadvertently placed directly above active effluent discharge lines when carrying out a lift

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11/06/2009	Heysham 2	1	Electrolyser was in service with too low a current to meet oxygen demand, as a result increased Argon 41 levels caused the gaseous activity monitor to alarm
15/06/2009	Sizewell B	0	Partial erection of a scaffold adjacent to containment spray pump B
19/06/2009	All EDF Energy sites	0	Flask admin anomaly
22/06/2009	Hinkley Point B	NR	Overturning of the Kato 250 mobile crane during a minor lifting operation
25/06/2009	Heysham 2	0	Reactor 8 manual trip following detection of hydrogen leak from main generator due to displaced gasket
29/06/2009	Dungeness B	2	Inappropriate use of polyurethane foam during event recovery operation
29/06/2009	Dungeness B	0	Latch fault in plug unit maintenance facility due to foreign material
08/07/2009	Torness	0	Approximately 8 cubic metres of pond water discharged into the on site drainage system
09/07/2009	Hartlepool	0	Injury to security guard due to trip on step
11/07/2009	Heysham 2	0	Reactor 8 manual trip following operation of start up vessel high temperature protection
15/07/2009	Heysham 1	0	Personal contamination of worker in the additional maintenance facility
15/07/2009	Dungeness B	NR	Emergency services (ambulance) attended site for a medical incident - potential media interest only
16/07/2009	Hinkley Point B	1	Release of radioactive material within the gas by pass plant and contamination of working party.
23/07/2009	Hinkley Point B	0	Injury to contract partner from a dropped lifting beam
25/07/2009	Hartlepool	NR	Contractor injured their hand with a rope during work on site.
04/08/2009	Hartlepool	0	Maintenance work not fully completed before plug unit moved from tie bar disposal facility
05/08/2009	Heysham 1	NR	Non compliance of environmental specification due to delay in defect rectification
07/08/2009	Hinkley Point B	0	Reactor 4 automatic shutdown on loss of station transformer 4 due to a fault on the blue phase
10/08/2009	Hunterston B	1	Filtered extract route for fuel/component movements not available when vessel is depressurised in air.
10/08/2009	Hunterston B	0	Charge machine pressure switch interlock disconnected.
12/08/2009	Hinkley Point B	0	The charge machine camera inspection identified foreign material attached to a fuel component
14/08/2009	Hinkley Point B	0	Turbine fire protection system joint failure spraying water into the turbine basement
18/08/2009	Dungeness B	0	Reactor 22 manual shutdown. Conservative decision following control rod and flux monitoring faults
20/08/2009	Hartlepool	0	Small fire on a back up cooling pump during test run
25/08/2009	Hinkley Point B	NR	Scaffolding from the station fell from a lorry causing some damage to parked vehicles
28/08/2009	Heysham 2	NR	Slip and injury whilst clearing water from floor
10/09/2009	Hartlepool	0	Reactor 1 automatic trip following generator excitation fault
10/09/2009	Hinkley Point B	0	A chain block lifting device chains slipped whilst lifting a load less than the safe working load
12/09/2009	Heysham 2	0	Conservative decision to declare site incident following CO2 leak due to failure of a discharge hose on a portable CO2 transfer pump
12/09/2009	Hunterston B	0	Flask admin anomaly
13/09/2009	Heysham 1	0	Ambiguity with wording of technical specification requirements with potential for misinterpretation
14/09/2009	Dungeness B	0	Manual shutdown of reactor 22 following discovery of high vibrations on main cooling water pump
15/09/2009	Heysham 1	NR	Discharge of mono propylene glycol preservative to drains
17/09/2009	Heysham 2	NR	Environment Agency warning letter received following an incident which resulted in air ingress into reactor 7.
18/09/2009	Hinkley Point B	1	Boiler half unit valve actuator seized due to incorrectly sized bearings fitted.
19/09/2009	Sizewell B	0	Reactor coolant sampling resulted in iodine-131 above quarterly notification level being released into the auxiliary building.
20/09/2009	All EDF Energy sites	0	Temporary pipe work for dump tank drainage inadequately installed
28/09/2009	Heysham 1	0	Reactor 2 manual shutdown due to turbine vibration
29/09/2009	Hunterston B	NR	Leak from propane gas bottle discovered in garage building.
30/09/2009	Hartlepool	0	Flask admin anomaly
01/10/2009	Hinkley Point B	0	Reactor 4 manually shutdown to repair turbo-alternator bearing
01/10/2009	Dungeness B	NR	Failure to submit best practicable measures report to the Environment Agency in the required 14 days
10/10/2009	Hartlepool	0	Reactor 1 manual trip due to steam leak from a boiler main stop valve
14/10/2009	Heysham 2	0	Fuelling machine hoist trip with anomalous indications
18/10/2009	Hartlepool	0	Reactor 1 automatic trip due to chloride ingress from condenser tube leak that had not been adequately flushed during previous shutdown
20/10/2009	Dungeness B	0	Water leak from temporary pipework into surface drains and cooling water outfall
20/10/2009	Hunterston B	NR	Crane hook mistakenly raised leading to failure of chain block.
22/10/2009	Hunterston B	NR	Turbine seal oil cooler tube nest leak to cooling water system.
26/10/2009	Hunterston B	0	A compliance based work order card was put to finished status without the work having been completed.
30/10/2009	Hinkley Point B	0	Reactor 3 automatic shutdown due to an electrical protection fault on generator transformer 7
02/11/2009	Hartlepool	0	One diesel generator not available for a period of time.
07/11/2009	Hunterston B	0	Fire barrier work commenced without associated engineering change document being approved.
08/11/2009	Hinkley Point B	0	Start standby boiler feed pumps 8A and 8B unintentionally made unavailable at the same time
11/11/2009	Sizewell B	0	Manual shutdown of turbine 2 due to lack of cooling to the auxiliary systems.
12/11/2009	Hunterston B	NR	Contractor tripped while stepping off ladder and injured right arm.
14/11/2009	Torness	0	Small release of clean carbon dioxide gas due to faulty isolating valve

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16/11/2009	Hinkley Point B	0	Diesel generator switchgear room sustained damage to roof and building during high winds
21/11/2009	Heysham 2	NR	Failure of a sight glass in the active laundry resulted in a significant steam leak and industrial safety near miss
23/11/2009	Dungeness B	1	Reactor 22 boiler annexe fire
25/11/2009	Heysham 1	NR	Fall from step ladder within the light store
30/11/2009	Heysham 1	0	Inconsistency between limited condition of operation and maintenance specification
11/12/2009	Heysham 1	0	Failure of pressure vessel cooling water 1A standpipe motor
21/12/2009	Heysham 1	0	Reactor 1 high pressure back-up cooling system leak
21/12/2009	Hinkley Point B	NR	Fuel oil leak due to pipe fracture
07/01/2010	Hinkley Point B	0	Reactor 4 automatically shutdown following a fault on boiler 17 feed water system
07/01/2010	Hartlepool	NR	A member of staff slipped and fell on a wet floor.
08/01/2010	Hinkley Point B	0	Reactor 3 was manually shutdown following indications of generator alternator exciter failure
10/01/2010	Dungeness B	1	Identified need to improve protection of oil tank low level switch cables from potential hot gas release
11/01/2010	Torness	0	Reactor 2 automatically shut down due to a coincident fault during protection testing
26/01/2010	Hinkley Point B	0	Reactor 3 was manually shutdown due to an increase of white metal temperatures on a bearing
28/01/2010	Dungeness B	NR	High residual chlorine detected at the syphon recovery
01/02/2010	Torness	0	Reactor 1 automatically tripped due to generator transformer fault
02/02/2010	Torness	NR	Sample of surface water discharged to sea found to contain traces of oil
05/02/2010	Sizewell B	0	During a resin transfer operation the spent resin tank booster pump failed generating smoke.
12/02/2010	Heysham 2	0	During diving operations to clean cooling water coarse screens, a diver was temporarily immobilised adjacent to the in service screen.
16/02/2010	Hartlepool	0	Pressure vessel pre-stressing cable and wire inspection detected fault with one of the wires
17/02/2010	Hinkley Point B	0	Flask admin anomaly
19/02/2010	All EDF Energy sites	0	Discrepancy found in radiological calculation used in emergency arrangements
22/02/2010	Hartlepool	NR	A member of staff slipped on a wet floor.
23/02/2010	Sizewell B	NR	Access to site impeded by protestors
28/02/2010	Dungeness B	0	Elevating tube dropped in plug unit maintenance facility
02/03/2010	Sizewell B	0	Technical specification surveillance overlooked due to procedure error
02/03/2010	Heysham 2	NR	An ambulance attended site after a member of staff reported feeling unwell to Occupational Health
03/03/2010	Sizewell B	0	Two train actuation of the reserve ultimate heat sink on low essential service water flow during low spring tide
09/03/2010	Torness	0	Essential cooling water pipe supports corroded
09/03/2010	Hinkley Point B	NR	A member of staff fell on a roadway causing pain in his right wrist, later diagnosed as a fracture
17/03/2010	Sizewell B	1	Manual reactor trip following indication of primary coolant leakage at technical specification action limits
17/03/2010	Hunterston B	0	Motor generator set tripped and interconnector failed to close.
17/03/2010	Torness	0	Reactor 1 manually shut down due to quadrant protection trip during start up
17/03/2010	Heysham 2	NR	Personal injury to contractor who slipped on a recently mopped toilet floor in a workshop
30/03/2010	Heysham 2	NR	Discharge from water treatment plant above pH levels authorised by Environment Agency
31/03/2010	Dungeness B	0	Delay in entering technical specification action condition
04/04/2010	Heysham 2	NR	Chain block failure during a lift resulting in a load dropping 2.5 cm
09/04/2010	Hartlepool	0	Anomaly with routine maintenance on foam cannon
14/04/2010	Heysham 1	0	Feed demountable header plug ejection during maintenance on isolated boiler
19/04/2010	Hinkley Point B	0	A fire occurred in the unoccupied radiography building due to an electrical fault
27/04/2010	Hunterston B	0	Fuel plug unit handling error at active maintenance facility. Unserviced plug unit lowered onto serviced unit.
29/04/2010	Heysham 1	0	Cable race fast fire fighting anomalies
30/04/2010	Hartlepool	0	Leakage of hydrogen from turbine generator 2.
30/04/2010	Hartlepool	NR	Member of staff injured their foot/ankle whilst attending offsite training.
03/05/2010	Hunterston B	NR	Chain block brake failure due to corrosion of chain block
07/05/2010	Heysham 1	0	Generator total organic matter flame ionisation detector cubicle failure
07/05/2010	Heysham 2	0	Unsuccessful withdrawal of inservice inspection standpipe plug due to deformed liner
12/05/2010	Dungeness B	0	Incorrect transfer note for incinerable consignment to Dungeness A
12/05/2010	Dungeness B	NR	Injury following trip on drain cover
13/05/2010	Hunterston B	0	Reactor shut down manually following quadrant trip.
14/05/2010	Hartlepool	NR	Member of staff was injured whilst attending offsite training.
16/05/2010	Dungeness B	NR	Lost time injury following trip on kerb
18/05/2010	Dungeness B	NR	Injury following trip on drain cover
19/05/2010	Hartlepool	NR	Annual test indicated that an environmental permit limit may have been exceeded on low level waste incinerator
25/05/2010	Hunterston B	0	During start-up preparation reactor was manually shutdown to resolve issue with turbine governor valve.
26/05/2010	Dungeness B	0	Maintenance schedule test delayed outside tolerance on reactor 22 gas bypass circuit
29/05/2010	Sizewell B	0	Generator transformer 2 trip due to an internal electrical fault
03/06/2010	Heysham 1	0	Premature reactor 1 shutdown due to control rod position
04/06/2010	Sizewell B	NR	Waste consignment information contained a drum which had not been dispatched from Sizewell B

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Event Date	Site	INES Rating	Event Title
06/06/2010	Hartlepool	1	Control rod missed tech spec surveillance
06/06/2010	Dungeness B	0	Manual shutdown of reactor 22 to carry out gland steam repair
08/06/2010	Heysham 1	0	Main condenser extraction pump 2A minor fire on pump bearing
08/06/2010	Heysham 1	0	Main condenser extraction pump minor fire on pump bearing
14/06/2010	Hinkley Point B	1	Unacceptable leak rate during a 40 Bar maintenance schedule pressure hold test on the fuelling Machine
18/06/2010	Hunterston B	NR	Failure of breathing air connection during pre-use checks.
20/06/2010	Hartlepool	NR	Member of staff injured their hand during work.
21/06/2010	Torness	0	1 out of 2 pressure vessel cooling circuits inadvertently shut down
22/06/2010	Heysham 2	0	Anomaly with standpipe safety case identified during the preparation of an engineering change
23/06/2010	Torness	0	Reactor pressure vessel in service inspection plug unit safety case anomaly
02/07/2010	Sizewell B	0	Charcoal filter fire following heating, ventilation and air conditioning system realignment
02/07/2010	Hinkley Point B	0	Reactor 3 was manually shut down following an increase in vibration levels on turbo-alternator 7 bearing 13
11/07/2010	Heysham 1	NR	Fatal fall from height accident
16/07/2010	Heysham 1	NR	Injury following slip on plastic sheeting
24/07/2010	Torness	0	Fuelling machine make up shield parked in a position where it was not fully supported
27/07/2010	Hartlepool	NR	EDF team used to assist Darlington Fire Brigade offsite
03/08/2010	Hinkley Point B	0	Two valves were closed when they should have been open in reactor 4 gas circulator labyrinth ventilation system,
08/08/2010	Hartlepool	1	Vessel overpressure protection equipment valves found shut during plant configuration checks for start up post outage
08/08/2010	Hartlepool	0	Pressure parts fault detection instrumentation found disconnected
16/08/2010	Sizewell B	NR	Delay in sending the Radioactive Substances Act discharge returns to the Environment Agency
22/08/2010	Heysham 2	NR	Spill of anti freeze into surface drain when carbuoy container fell off fork lift truck forks
24/08/2010	Hunterston B	1	Off load fuel moves undertaken without gas circulator inlet guide vanes being fully opened.
25/08/2010	Hinkley Point B	0	Failure of the end fitting removal tool during dismantling of an irradiated fuel stringer
26/08/2010	Dungeness B	0	3.3 KV electrical overlay system - Non compliance with technical specification limited condition of operation
26/08/2010	Dungeness B	0	Unplanned automatic trip of reactor 22 due to grid disturbance
30/08/2010	Torness	0	Maintenance testing of a fire damper missed
31/08/2010	Heysham 1	0	Receipt of new fuel with paperwork anomaly
03/09/2010	Heysham 2	NR	Loss of air supply to vessel entrant before entry to reactor vessel
07/09/2010	Dungeness B	0	Reactor 22 manual shutdown to repair generator 22 hydrogen leak
13/09/2010	Torness	0	Fuel assembly charged to the dismantling cell with power supplies incorrectly configured
13/09/2010	Hartlepool	NR	Administrative anomaly with transport of contaminated laundry
14/09/2010	Hunterston B	NR	Clean carbon dioxide leak identified during iodine filter testing
15/09/2010	Torness	0	Shutdown cooling compromised due to the failure of a gas circulator
15/09/2010	Sizewell B	NR	Fire in portacabin near outage building
20/09/2010	Heysham 2	NR	Two securing bolts were not undone prior to attempting to lift a generator water stator pump using the workshop crane
22/09/2010	Sizewell B	NR	Fire on recirculating pump in condensate polishing plant during post maintenance testing
24/09/2010	Torness	0	Manual shut down of reactor 2 due to seaweed ingress to the cooling water intake
28/09/2010	Sizewell B	0	Automatic reactor trip during control rod testing during reactor start up
30/09/2010	Hinkley Point B	1	Reactor 4 was manually shutdown to carry out maintenance on turbo-alternator 8 exciter brush gear
04/10/2010	All EDF Energy sites	NR	Collapse of scaffolding around jetty in poor weather
08/10/2010	All EDF Energy sites	0	Flask admin anomaly
12/10/2010	Heysham 2	0	Reactor sea water pump 7BAY tripped and 7BY failed to start as a result of a fault with the plant logic computer
13/10/2010	Hunterston B	0	Smoke detector in laundry building initiated due to smoke being blown in during start up of diesel generator in adjacent building.
14/10/2010	Heysham 1	NR	Leak of buffer store cooling water from secondary containment
15/10/2010	Hartlepool	0	Temporary R3 area set up with doserate at barrier in excess of permitted
18/10/2010	Heysham 1	NR	Injury to ankle due to slipping on a main workshop walkway
20/10/2010	Hartlepool	0	Reactor 2 automatic trip due to low deaerator level
23/10/2010	Hartlepool	1	Two CO2 filling routes inadvertently made unavailable for remote operation from the CCR
23/10/2010	Hunterston B	0	Diesel generator fuel oil transfer lines trench flooded with water - increased corrosion risk
25/10/2010	Hinkley Point B	0	Fire within the contamination controlled area of the gas circulator workshop
27/10/2010	Hartlepool	0	Reactor 1 automatic trip due to generator protection operating
01/11/2010	Heysham 1	0	Reactor 2 manual trip due to generator transformer oil monitoring fault
04/11/2010	Sizewell B	0	Turbine driven auxiliary feedwater train failed to operate during post maintenance test
06/11/2010	Heysham 1	0	Reactor 1 manual trip due to essential cooling water leak
09/11/2010	Sizewell B	NR	Incorrect fingerprint in the spreadsheet used to calculate radioactive waste disposals
10/11/2010	Sizewell B	NR	The authorisation requires 500ml of effluent be retained for 6 months, only 250ml was retained
12/11/2010	Heysham 2	0	Reactor 7 manual trip following grid disturbance
17/11/2010	Torness	0	Reactor 1 was manually shut down during start up due to bearing vibration on the turbine generator

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19/11/2010	Heysham 2	1	Delay in meeting technical specification limit on core mass flow rate when shutdown during start up
20/11/2010	Heysham 2	0	Reactor 8 manual trip when start up vessel safety relief valves lifted
23/11/2010	Sizewell B	1	Technical specification non-conformance when one train of radiation monitoring taken out of service with a fault on another train
23/11/2010	Heysham 2	0	Water treatment plant monitoring check sheet filled in incorrectly resulting in the discharge limit being exceeded.
24/11/2010	Heysham 2	0	Reactor 8 manual shutdown following indications of turbine bearing noise during turbine run up
25/11/2010	Torness	0	Reactor 1 was manually shut down during start up due to low flow from a boiler feed pump
29/11/2010	Torness	1	Historical error in translating fuelling machine safety case trip settings into station documentation
03/12/2010	Sizewell B	0	Possible gap in safety case for refuelling water storage tank level transmitters
07/12/2010	Heysham 2	0	Smoke identified in south west essential services building from a failed fan shaft bearing.
15/12/2010	Heysham 2	NR	Injury to member of staff in the car park
17/12/2010	Hartlepool	0	Fire and smoke from motor alternator set
21/12/2010	Hartlepool	1	Quadrant feed trip switches found in incorrect position during start up
21/12/2010	Torness	0	Reactor 1 was manually shut down due to the failure of a reactor seawater cooling pump
24/12/2010	Torness	0	Reactor 1 was manually shut down during start up due to a steam leak on the boiler start up vessel
24/12/2010	Heysham 2	NR	Leak of coolant containing anti freeze from electrolysis plant
28/12/2010	Heysham 1	0	Reactor 2 trip during start up following faulty control rod position indication
28/12/2010	Hinkley Point B	0	Reactor 4 was automatically shutdown during low load refuelling when the underload protection operated
28/12/2010	Torness	0	Reactor 1 was manually shut down due to rising moisture levels in the reactor cooling gas
30/12/2010	Torness	1	Failure of a boiler steam valve to auto close during reactor 1 start up
05/01/2011	Sizewell B	0	Work started on reserve ultimate heat sink system switchgear without start permission
07/01/2011	Heysham 2	0	Manual trip of reactor 8 following indication of turbine generator brush gear overheating
10/01/2011	Hartlepool	NR	Contractor injured due to a slip on ice on site.
11/01/2011	Hinkley Point B	0	Reactor 4 was manually shut down to allow boiler half unit valve repairs to be conducted on quadrant 19
14/01/2011	Dungeness B	0	Unplanned automatic trip of reactor 21 during planned refuelling shutdown
16/01/2011	Torness	1	Reactor protection setting not reconfigured for low power refuelling
17/01/2011	Hinkley Point B	0	A nuclear safety fire barrier was breached when an asbestos insulation board was removed
21/01/2011	Hartlepool	0	Anomaly with dose readings from low level waste package
24/01/2011	Hunterston B	0	Cascaded from high pressure feed to low pressure feed post trip due to issues with gland sealing water on start and standby boiler feed pumps.
24/01/2011	Hunterston B	0	Reactor tripped automatically during switching operations to re-instate safety inverter.
24/01/2011	Hartlepool	NR	Skip lorry overturned with minor injuries to two contractors
01/02/2011	Sizewell B	0	Manual reactor shutdown following low oil level alarm on reactor coolant pump A
01/02/2011	Heysham 1	NR	Submission of filter test info to Environment Agency
03/02/2011	Heysham 1	0	Reactor 2 unplanned automatic trip following low feed flow
04/02/2011	Hunterston B	0	Reactor manually shut down due to reduced water carry over protection margin during load reduction for outage.
09/02/2011	Torness	NR	Ambulance called to site for member of staff who reported feeling unwell
17/02/2011	Heysham 1	NR	Chain block dropped to the ground whilst being visually inspected
17/02/2011	Torness	1	Elevated level of tritium found in sample from a site borehole
18/02/2011	Dungeness B	0	Unplanned shutdown of reactor 22 due to voltage transformer failure in 11kV unit board
21/02/2011	Torness	1	Elevated level of tritium found in sample from a site borehole
22/02/2011	Hartlepool	1	Three high pressure pumps found not available during routine testing due to valve misalignment
24/02/2011	Dungeness B	1	Single channel tripping system - Failure to enter a technical specification action condition
03/03/2011	Hartlepool	NR	Breathing apparatus defect found during a practice emergency exercise
23/03/2011	Heysham 2	NR	Ambulance called to site for contractor who reported feeling unwell
23/03/2011	Heysham 1	NR	Security arrangements invoked after protesters observed at the site boundary by the sea wall
26/03/2011	Heysham 1	NR	Fuel oil leak from the incinerator building
15/04/2011	Sizewell B	NR	Injury due to fall whilst walking along a footpath
19/04/2011	Sizewell B	0	New fuel design changes to top nozzle required
26/04/2011	Heysham 2	1	Nuclear safety fire door left open following fault with locking bolt
26/04/2011	Heysham 2	NR	Injury due to trip on step
28/04/2011	Hinkley Point B	0	A valve locked closed preventing the gas circulator endurance system from operating
29/04/2011	Heysham 1	0	Main turbine governor valve spuriously tripped shut
02/05/2011	Hinkley Point B	0	Reactor 4 was manually shut down for repairs of a deaerator pre heater leak
03/05/2011	Hartlepool	0	Reactor 2 manual shutdown due to indications of failed fuel
04/05/2011	Heysham 1	0	Reactor 2 automatic trip due to automatic voltage regulator fault
09/05/2011	Heysham 2	0	Failure of a hose being used to transfer oxygen from the trailer to the storage tank
14/05/2011	Hartlepool	NR	A member of staff injured their eye during work.
21/05/2011	Torness	0	Reactor 1 manually shut down to remove a fuel assembly with a leaking fuel pin
31/05/2011	Dungeness B	0	Trip of gas circulator 21 and 23 main motors as a result of data processing control system installation activities
31/05/2011	Hartlepool	0	Reactor 1 automatic trip following fault with voltage regulator

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
06/06/2011	Hinkley Point B	NR	Ambulance called to site for a casualty who collapsed having recently been discharged from hospital
07/06/2011	Torness	1	Maintenance testing of part of the CO2 plant missed
23/06/2011	Heysham 2	NR	Ambulance called to site for contractor who reported feeling unwell
28/06/2011	Torness	0	Reactors 1 and 2 manually tripped due to an ingress of jellyfish to the cooling water intake
01/07/2011	Heysham 2	0	Reactor 8 manually tripped for forced outage to repair main boiler tube restrictions.
02/07/2011	Heysham 2	1	Decay heat boiler feed pump failed to start during post trip sequencing equipment testing
02/07/2011	Dungeness B	0	Reactor 22 automatic trip on second line chloride ingress protection
06/07/2011	Torness	0	Delayed identification of entry into a limited condition of operation
10/07/2011	Heysham 2	NR	Technician reported feeling unwell due to reduced oxygen levels in workspace
14/07/2011	Hartlepool	1	Increase in fuel pond water temperature detected during plant tour due to fault with pond cooling systems
19/07/2011	All EDF Energy sites	1	Discrepancy with control rod chain component material
19/07/2011	Dungeness B	1	Unknown change in control rod chain material
21/07/2011	Torness	0	Personal contamination of worker in the gas circulator maintenance facility
29/07/2011	Sizewell B	0	Surveillance test not completed prior to fuel movements in fuel pond
03/08/2011	Dungeness B	1	Fuelling machine not purged to CO2 prior to handling irradiated fuel
04/08/2011	Torness	0	Reactor 1 was manually shut down due to a failure of essential plant
14/08/2011	Hunterston B	0	Vessel entry cooling hose leakage.
16/08/2011	Heysham 2	0	Reactor 7 automatically tripped following a quadrant tripped during routine maintenance
16/08/2011	Dungeness B	NR	Emergency services (ambulance) attended site for a medical incident - potential media interest only
17/08/2011	Sizewell B	NR	Injury due to trip on electrical cable
17/08/2011	Heysham 1	0	Incorrect use and retention of blow down authorisation forms
17/08/2011	Sizewell B	NR	Hip injury
19/08/2011	Hunterston B	0	Radiography source failed to retract into container.
24/08/2011	Hartlepool	0	Reactor 1 manual trip when smoke observed from the permanent magnet generator
25/08/2011	Dungeness B	1	Fuelling machine end stop safety case
25/08/2011	Torness	0	Oil drums sent for disposal off site with residual contents
26/08/2011	Hinkley Point B	0	A test gauge failing calibration was used to calibrate a pressure relief valve on a carbon dioxide pump
27/08/2011	Hartlepool	1	Emergency feed isolating valves left closed
30/08/2011	Sizewell B	0	A fire occurred during routine operation of the dry radwaste shredder unit
07/09/2011	Hunterston B	0	Reactor manually shutdown to allow turbine overspeed head to be replaced.
07/09/2011	Hunterston B	0	Manual fire call point found broken, following fire alarm initiation. No fire present
17/09/2011	Sizewell B	0	Thimble plug assembly found to have a missing plug (rodlet)
19/09/2011	Dungeness B	1	Release of back up diesel generator fuel oil transfer pump not tracked in action tracking log
19/09/2011	Hunterston B	1	Reactor manually shutdown following leakage from cooling water main.
20/09/2011	Hunterston B	1	Reactor manually shutdown following leakage from cooling water main
23/09/2011	Sizewell B	0	Surveillances on the uninterruptible power supplies were not performed within the required timescales
30/09/2011	Torness	0	Reactor 2 manually shut down to repair damaged cooling pipework
04/10/2011	Hinkley Point B	NR	Security arrangements invoked in response to planned protest
05/10/2011	Sizewell B	1	Refuelling machine mast contacts reactor vessel upper internals
07/10/2011	Sizewell B	1	Charcoal absorbers declared operable without taking the required yearly test sample
07/10/2011	Torness	0	Reactor 2 manually shut down due to fuelling machine hoist stop during refuelling
09/10/2011	Sizewell B	1	Reactor pressure vessel head lifted beyond the height restrictions above the reactor pressure vessel
09/10/2011	Dungeness B	0	Reactor 21 manual shutdown following generator 21 hydrogen leak
19/10/2011	Heysham 2	NR	Fault with crane resulted in slow uncontrolled lowering of weight
24/10/2011	Heysham 2	NR	Hand injury
24/10/2011	Hinkley Point B	NR	Safety and Regulation Division rapid trending review identified non compliance with portable combustion plant permit
26/10/2011	Dungeness B	0	Main boiler feed pump hydraulic ram ejection during maintenance
27/10/2011	Hinkley Point B	0	Manual shutdown of reactor 3 due to a control rod starting to drive into the reactor core
28/10/2011	Heysham 1	NR	Injury to operative resulted in loss of finger tip
30/10/2011	Hunterston B	NR	Ammonia leak from storage plant
02/11/2011	Hinkley Point B	0	At the start of maintenance on turbo-alternator 8, a low level of radiological contamination was detected
04/11/2011	Hartlepool	0	Flask admin anomaly
04/11/2011	Dungeness B	0	Unplanned automatic trip during controlled shutdown due to low pressure in gas circulator seal oil system
07/11/2011	Heysham 2	0	Fault with crane resulted in slow uncontrolled lowering of weight
10/11/2011	Hinkley Point B	NR	During the reactor 4 outage vessel entry a temporary loss of cooling air was experienced by a vessel entrant
10/11/2011	Heysham 1	NR	Environmental specification surveillance not completed
14/11/2011	Torness	0	Reactor 2 manually shut down due to fuelling machine hoist stop during refuelling
22/11/2011	Torness	0	Reactor 1 manually shut down due to the failure of switchgear in the 400kV substation
25/11/2011	Heysham 2	0	Reactor 7 manually tripped to carry out repairs to a steam leak

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
26/11/2011	Hinkley Point B	1	Manual shutdown of reactor 3 when a tap changer fault occurred on station transformer 3
27/11/2011	Hinkley Point B	0	During reactor 4 outage a nuclear safety fire barrier was removed without permission
29/11/2011	Heysham 2	0	Unplanned automatic trip of reactor 8 due to loss of essential electrical supplies for gas circulator speed signals
29/11/2011	Hinkley Point B	NR	Personal injury to ankle
01/12/2011	Dungeness B	0	Trip of station transformer 22 following heavy rainstorm
01/12/2011	Torness	NR	Failed breathing apparatus face mask identified during pre use checks
04/12/2011	Torness	0	Reactor 2 automatically shut down during routine testing of a steam balance valve
05/12/2011	Hinkley Point B	1	Flask admin anomaly
08/12/2011	Hunterston B	0	Reactor tripped automatically due to transmission grid disturbance
09/12/2011	Torness	0	Method used for spark catching during hot work initially found to be inadequate
14/12/2011	All EDF Energy sites	0	Flask admin anomaly
17/12/2011	Hartlepool	0	Contamination found in a restricted area and cleaned up
17/12/2011	Hartlepool	0	Contamination found in a restricted area and cleaned up
29/12/2011	Hunterston B	NR	Failure to emission test auxiliary boilers in line with permit timescales.
02/01/2012	Sizewell B	0	Reactor power reduced by small amount following brief operating above the maximum reference point by a small amount (0.05%)
03/01/2012	Heysham 2	0	Feedflow indication error detected during surveillance checks
04/01/2012	Hartlepool	0	Fluctuations in readings may have led to a choice to stop generating electricity.
04/01/2012	Sizewell B	0	Anomaly detected between operational documentation and safety case
05/01/2012	Dungeness B	0	Essential diesel generator taken out of service following deterioration in leak rate of cooling water system
05/01/2012	Heysham 1	0	Reactor auxiliary cooling water surveillance not completed
06/01/2012	Dungeness B	0	Fuelling machine station operation instruction and compliance check sheet anomalies detected during fuel handling preparations
09/01/2012	Dungeness B	0	Staff shortfall covering one shift resulting in shortfall with emergency arrangements for this period
10/01/2012	Dungeness B	0	Incorrect isolation of essential diesel generator 22 leading to unavailability of essential diesel generator 21
11/01/2012	Hartlepool	NR	Security arrangements invoked following minor disruption to site access by protestors
12/01/2012	Heysham 2	NR	Injury due to slip in standing water
12/01/2012	All EDF Energy sites	NR	Hand injury
12/01/2012	Heysham 2	0	Duly authorised person authorisation withdrawn following technical specification non conformance.
12/01/2012	Hartlepool	NR	A member of staff twisted their ankle whilst stepping off a set of steps
16/01/2012	Dungeness B	1	Maintenance schedule routines for the hydraulic power units on the boiler feed valves identified as missing during engineering change review
16/01/2012	Heysham 2	0	Incorrect indications on the display mimic during testing resulted in a guardline trip with a subsequent run on protection fault
18/01/2012	Hinkley Point B	0	A diesel leak was found in the pipe trench for the charge machine emergency cooling diesel generators
18/01/2012	Hinkley Point B	0	Control rod fault caused rod to be fully inserted during planned load raise operation
19/01/2012	Sizewell B	0	Minor differences between final inspection report and previously reported inspection results
19/01/2012	Hunterston B	0	Anomalies with indicated states of gas circulator overfrequency protection equipment detected during maintenance checks
25/01/2012	Torness	0	Brake slipping on pond maintenance crane hoist
26/01/2012	Hinkley Point B	0	Flask admin anomaly
26/01/2012	Hunterston B	NR	Fire alarms initiated in gas bypass plant. No fire present
27/01/2012	Dungeness B	NR	Outage lifting incident when sling slipped on hook
27/01/2012	Sizewell B	0	Inlet damper found closed when it should be open and locked in position
27/01/2012	Hinkley Point B	0	Flask admin anomaly
31/01/2012	Sizewell B	0	Unplanned secondary containment isolation engineered safety feature actuation
01/02/2012	Hartlepool	1	Gas circulator hot gas release removal supply fans not operating following fire damper maintenance
01/02/2012	Hinkley Point B	0	The reactor was manually shutdown to repair slip rings on turbo-alternator 7 exciter
01/02/2012	Sizewell B	NR	Access to eight muster readers within the turbine hall were inaccessible due to floor painting
02/02/2012	Torness	0	Cracks discovered in auxiliary boiler tube plate during maintenance outage
03/02/2012	Sizewell B	0	Unplanned secondary containment isolation engineered safety feature actuation
07/02/2012	Hinkley Point B	NR	An incursion onto the Hinkley Point B licensed site by three individuals
09/02/2012	Hinkley Point B	1	The reactor 4 hot gas release system remained unavailable
09/02/2012	Hunterston B	NR	Fire alarm initiated when dust raised during removal of carpet tiles
16/02/2012	Hinkley Point B	NR	A jet of acid sprayed vertically approximately 10 feet from a pressure relief valve
17/02/2012	Dungeness B	NR	Security arrangements invoked following receipt of suspect package
22/02/2012	Hinkley Point B	0	Reactor 3 was manually shutdown to repair a control fluid leak on a stop and governor valve.
23/02/2012	Heysham 2	0	Incorrect material fasteners used on the hot reheater outlet penetration following incorrect advise
23/02/2012	Heysham 2	NR	Breathing apparatus set exhausted prematurely during exercise
27/02/2012	Hinkley Point B	0	Gas Turbine shutdown during the starting sequence
27/02/2012	Torness	0	Smoke observed coming from chargehall trolley charger

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)

Event Date	Site	INES Rating	Event Title
28/02/2012	Torness	NR	Technician broke a bone in his foot when he turned over his ankle descending stairs
01/03/2012	Hartlepool	0	Fault with reactor power protection equipment increased risk of automatic trip
02/03/2012	Sizewell B	0	Automatic reactor trip due to an electrical fault on the main uninterruptible power supplies
03/03/2012	Torness	1	Reactor 1 channel 3 secondary shut down system seismic inhibit switch failed
05/03/2012	Heysham 1	NR	Kink in air line during diving operations in cooling water forebay
05/03/2012	Torness	0	Faulty switch on fuelling machine hoist grab
05/03/2012	Torness	0	Reactor 2 quadrant protection relay failure
05/03/2012	Torness	0	Reactor 1 quadrant protection relay failure
07/03/2012	Heysham 2	0	Channel gag was not closed to the specified position as per the specified check sheet during refuelling
07/03/2012	Heysham 1	0	Fuelling machine interaction with Jib crane
08/03/2012	Dungeness B	1	Steam release safety case anomaly following changes to the fuel handling unit corridor
08/03/2012	Torness	0	Delay in identifying the failure of reactor 2 failed fuel detection equipment
10/03/2012	Hartlepool	0	Incorrect valves closed during post trip shutdown checks
11/03/2012	Hartlepool	0	Maintenance checks revealed passing valves on tertiary pressure vessel cooling water system
16/03/2012	Heysham 2	0	Faults on steam and feed valves following planned shutdown on reactor 7
16/03/2012	Sizewell B	0	Unplanned secondary containment isolation engineered safety feature actuation
16/03/2012	Heysham 1	NR	Acid tanker partially discharged into caustic tank
16/03/2012	Sizewell B	0	Review of plant surveillance arrangements revealed a valve position indication test had not been undertaken at required frequency
18/03/2012	Hinkley Point B	0	Reactor 4 automatically shutdown due to earth fault protection on unit transformer
19/03/2012	Heysham 1	0	Electrical supplies tech specification entry error
22/03/2012	Heysham 1	0	Potential indication of stress corrosion cracking
22/03/2012	Torness	0	Degraded relays in diesel generator control desk
22/03/2012	Torness	0	Spares unavailable for the immediate repair of an essential power supply
23/03/2012	Sizewell B	0	Incorrect drawing reference quoted in EC for man access doors in the diesel exhaust stack
24/03/2012	Hartlepool	0	Reactor auxiliary cooling water system valves misalignment
26/03/2012	Heysham 1	0	Hot gas release blow off panels obstructed
26/03/2012	Heysham 2	0	Inadvertent initiation of emergency feed to a quadrant post trip
26/03/2012	Heysham 1	0	Plant surveillance not initiated following release of plant
27/03/2012	Hinkley Point B	0	Reactor 4 automatically shutdown due to earth fault protection operating on gas circulator
28/03/2012	Hartlepool	1	Gas circulator jacking oil pumps taken out of service inappropriately
28/03/2012	Hartlepool	0	Monitoring circuit to one alarm system found to be faulty
29/03/2012	Torness	0	Reactor 2 quadrant protection relay failure
02/04/2012	Hartlepool	0	Reactor 1 operated at 50% feed flow due to condenser water leak
04/04/2012	Dungeness B	0	Anomaly in orientation of valve piston rings
04/04/2012	Torness	0	Loss of pressure on decay store tube.
05/04/2012	Hartlepool	0	Steam leak on valve caused reactor and boiler to be taken out of service to allow repair
05/04/2012	Sizewell B	NR	Approximately 15% underestimation of C-14 gaseous discharges
05/04/2012	Hartlepool	NR	Minor injury sustained due to an incorrect man hole cover being used.
06/04/2012	Heysham 1	0	During lifting, pile cap shield slab fell by approx. 10 mm
06/04/2012	Dungeness B	0	Fire in fuelling machine maintenance bay.
08/04/2012	Hartlepool	0	Six manning event shortfalls not allocated to correct event category set out in procedures.
08/04/2012	Heysham 1	0	Planned maintenance activity unintentionally led to unavailability of gas circulator.
08/04/2012	Heysham 2	0	Total of 11 secondary shield flood slabs lifted contrary to requirement of technical specification that only permits removal of 10 slabs
12/04/2012	Heysham 1	0	Oil pump found not to be selected to auto mode as expected.
13/04/2012	Sizewell B	NR	Contractor slipped while making phone call while walking.
15/04/2012	Torness	0	Incorrect setting of gags led to unexpected temperatures in adjacent cells
30/04/2012	Sizewell B	0	Outstanding operability issue on essential diesel generator not fully addressed by maintenance before return to service.
02/05/2012	Hinkley Point B	0	Computer 'scanning timeout' triggered alarm.
03/05/2012	Hinkley Point B	0	Reactor fuel channel gag set a small amount outside allowable limit.
04/05/2012	Heysham 1	0	Crane rope had kinks.
04/05/2012	Heysham 1	NR	Failure of a pin in the hook block of a crane whilst taking load prior to lifting.
04/05/2012	Heysham 2	NR	Deficiency with fire protection system for the hydrogen road trailer within the hydrogen gas store.
07/05/2012	Dungeness B	0	Potential collision / interaction of plant items identified upon over-speed fault condition of fuelling machine cross- travel drive.
07/05/2012	Heysham 2	0	Incorrect torque setting caused a locking plate on the emergency diesel generator to work loose.
11/05/2012	All EDF Energy sites	0	Some condition reports not being considered for notification to ONR.
12/05/2012	Sizewell B	0	Low-level oil alarm on cooling pump motor.
13/05/2012	Torness	0	Spurious trip of electrical board caused reactor shutdown.
13/05/2012	Torness	0	Spurious signal to control system caused Regulating Group 2 rods to drive in.
14/05/2012	Sizewell B	0	Capacitors changed without completing engineering change process.
14/05/2012	Torness	0	Two vent valves failed to open during post-trip sequence.
15/05/2012	Heysham 1	NR	Increased oxygen level not addressed within action level timescales.
15/05/2012	Sizewell B	0	Bolts found sheared off on the exhaust stack of emergency diesel generator 4.

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Event Date	Site	INES Rating	Event Title
15/05/2012	Torness	0	While transferring electrical supplies, trip occurred on quadrant protection system.
16/05/2012	Torness	0	Adverse trend noted relating to pressure seal leaks on bypass valves.
16/05/2012	Hinkley Point B	0	Smoke observed in area of power turbine exhaust during gas turbine operational test run.
17/05/2012	Dungeness B	NR	Pre-use check of breathing apparatus identified a fault with the equipment which was replaced before use.
18/05/2012	Heysham 1	0	Pressure gauge isolation valve found in incorrect shut configuration.
22/05/2012	Torness	0	Post-trip sequencing equipment operated unexpectedly during maintenance work.
23/05/2012	Torness	0	Reactor variable frequency convertor failed in service.
25/05/2012	Heysham 1	0	New fault sequence identified associated with extreme flood event.
25/05/2012	Torness	0	Auxiliary boilers returned to service post refuelling without due cognisance of ongoing work on steam main.
27/05/2012	Heysham 1	0	Notable step change observed in temperature readings during return to service of reactor.
28/05/2012	Torness	0	Veto designed to inhibit operation of chloride ingress protection system not removed following maintenance activity.
28/05/2012	Hinkley Point B	NR	Individual slip and injury from flask vehicle.
30/05/2012	Hinkley Point B	1	Preload over tension switches failed to stop hoist.
05/06/2012	Torness	0	Possible deformation of thermal insulation supporting ring noted.
08/06/2012	Heysham 1	0	Failure to fit seals during maintenance activity.
09/06/2012	Torness	0	Loss of power supply for 1 to 2 minutes.
12/06/2012	All EDF Energy sites	0	Impact loading on floor from dropped fuel boxes not specifically assessed.
15/06/2012	Heysham 1	0	Failure of fixed jet fire pumps 1 and 2.
16/06/2012	Hunterston B	0	Charged machine hoist not auto stopping.
17/06/2012	Hunterston B	0	Revised checklist failed to capture all requirements from checklists it superseded.
18/06/2012	Heysham 1	NR	450 litres of fire fighting foam agent were discharged to sea following the shearing of a valve.
22/06/2012	Dungeness B	0	Reactor tripped following feed flow transient.
26/06/2012	Heysham 1	0	Electrical protection equipment resulted in reactor automatic trip.
26/06/2012	Heysham 2	0	Fuel channel gag outside of normal parameters.
26/06/2012	Torness	0	Motor earth fault occurred.
28/06/2012	Heysham 1	0	Lightning struck site.
28/06/2012	Torness	0	Evidence of thermal fatigue cracking found on hot reheat air release branch.
01/07/2012	Hinkley Point B	0	Hoist underload alarm triggered due to attempt to lower non-fuel load into full buffer store position.
02/07/2012	Hinkley Point B	0	Automatic hoist speed reduction failed to operate.
02/07/2012	Torness	0	Information on fuel flask packing sheet inaccurate.
03/07/2012	Sizewell B	0	Failure to deliver technical surveillance for two months.
03/07/2012	Hinkley Point B	0	Feed pump electrolyte tank overfilled
04/07/2012	Torness	0	Safety relief valve set to incorrect pressure setting.
06/07/2012	Hartlepool	0	Leaking feed valve identified following reactor return to service.
08/07/2012	Sizewell B	0	Power spike caused control room alarms to sound.
09/07/2012	Heysham 1	0	Steam leak from boiler main feed isolation valve.
09/07/2012	Sizewell B	0	An extreme rainfall event occurred (estimated at 50 mm of rain in 2-hour period)
11/07/2012	Heysham 1	NR	Fall from ladder.
11/07/2012	Hartlepool	0	Condensate plant valve position indicator found to be faulty.
13/07/2012	Hartlepool	0	Steam containment door left open.
18/07/2012	Sizewell B	0	Voltage drop initiated automatic reactor trip.
19/07/2012	Hinkley Point B	0	Vaporiser and pump tripped during return to service testing.
19/07/2012	Sizewell B	0	Radiography inspection device became stuck during operation.
20/07/2012	Hartlepool	0	Water extraction pumps found to be in shutdown state.
21/07/2012	Heysham 1	0	Water extraction pumps found to be in shutdown state.
22/07/2012	Dungeness B	0	Reserve feedwater tank level fell below level required by technical specification.
23/07/2012	Heysham 1	0	Tank failed to drain down during investigation of gas drier performance issues.
24/07/2012	Heysham 1	1	Drop of mechanical plug by approximately 1 m when lifting point (eye bolt) failed.
25/07/2012	Hartlepool	0	Cooling fault alarm received in control room.
30/07/2012	Heysham 1	0	Discharge route from safety relief valve isolated as a result of temporary modification.
31/07/2012	Sizewell B	0	Instrument spike led to activation of Control Room Ventilation Isolation System.
31/07/2012	Sizewell B	0	Main control room alarm received.
03/08/2012	Sizewell B	0	Spike occurred on control building HVAC main control room frost coil particulate radioactivity element.
04/08/2012	Dungeness B	0	Reactor tripped as gas circulator speeds were increased.
05/08/2012	Torness	0	Faults detected during testing of post-trip sequencing equipment.
06/08/2012	Sizewell B	0	System testing not completed within six-hour timescale, leading to automatic operation of primary protection system breakers.
07/08/2012	Sizewell B	0	Spurious Control Room Ventilation Isolation Signal initiating alarm.
07/08/2012	Heysham 1	0	Replacement motors installed without formally completing engineering change process.
07/08/2012	Hunterston B	0	Omissions identified in document.
10/08/2012	Heysham 2	0	Potential breach of fire seal
12/08/2012	Heysham 1	0	Chain block failure caused load to be lowered onto floor.

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Event Date	Site	INES Rating	Event Title
17/08/2012	Dungeness B	0	Manual trip due to problems with Main Boiler Feed Pump (MBFP). Subsequent minor fire on MBFP.
17/08/2012	Torness	0	Technicians smelled smoke in turbine hall.
20/08/2012	Heysham 2	0	Channel gag indication outside of normal parameters.
21/08/2012	Sizewell B	0	Operational procedures not updated to capture full requirements to photograph fuel storage ponds at end of fuel movements.
24/08/2012	Dungeness B	0	Minor fire of residue-coating materials stored in can.
26/08/2012	Dungeness B	0	Conflict with procedural requirements identified.
26/08/2012	Hunterston B	NR	Employee injured a leg, requiring an ambulance to attend site.
28/08/2012	Dungeness B	0	Cross connection between two tanks incorrectly configured due to error in procedure.
29/08/2012	Hinkley Point B	0	Multiple panel alarms.
30/08/2012	Heysham 2	0	Low Ph results obtained from reactor water sampling.
31/08/2012	Torness	0	A fault on a crane caused a dropped load.
05/09/2012	Dungeness B	0	Reactor tripped as gas circulator speeds were being increased.
11/09/2012	Heysham 1	0	Gas turbine fire system rendered inoperable to facilitate plant checks.
13/09/2012	Hinkley Point B	0	Indication of very low levels of contamination led to test of HEPA filters, which subsequently failed their filtration integrity test.
16/09/2012	Heysham 2	0	While completing log for fuel build, technician identified fuel anomaly.
17/09/2012	Hartlepool	NR	An engineer's hand was struck with a hammer. No serious injuries resulted due to protective gloves worn.
19/09/2012	Sizewell B	0	Actuation of a spurious Control Room Ventilation Isolation Signal (CRVIS).
20/09/2012	Sizewell B	0	Spurious Ventilation Isolation Signal occurred.
21/09/2012	Sizewell B	0	Fuel storage pond level element produced poor data.
21/09/2012	Heysham 1	NR	Operative's finger injured during a manual handling activity. Hospital treatment required.
23/09/2012	Sizewell B	0	Spike occurred on the control building HVAC MCR frost coil outlet iodine radioactivity element.
25/09/2012	Torness	0	Links on hoist chain noted as showing excessive wear.
25/09/2012	Torness	0	Data input error to safety case assessment tool identified.
29/09/2012	Sizewell B	0	Spurious control room signal caused by spike on HVAC MCR frost coil outlet particulate radioactivity element.
02/10/2012	Sizewell B	0	Calculations and inspection determined wall thickness on tanks less than that expected.
03/10/2012	Hinkley Point B	0	Valves found to be incorrectly configured to test position.
03/10/2012	Heysham 1	0	Crane hook collided with crane steel frame.
04/10/2012	Hartlepool	1	Gas circulator lube oil fire system was found, on routine inspection, to be in a closed position.
04/10/2012	Hunterston B	0	Electrical fault caused system failures and localised electrical damage.
05/10/2012	Heysham 1	0	Loss of power supply to reactor data processing system.
05/10/2012	Hinkley Point B	NR	Protestors set up camp at site outer gate.
10/10/2012	Heysham 2	0	Fuelling machine underload settings 3 kg out of tolerance.
10/10/2012	Hartlepool	NR	Breathing apparatus demand valve failed during a search and rescue exercise.
12/10/2012	Hartlepool	0	Gas turbine and fixed jet fire system made unavailable and prepared for deluge test without proper approval for work.
13/10/2012	Heysham 1	0	Reactor tripped due to leak on CW system.
13/10/2012	Sizewell B	0	Emergency stop pushbutton did not isolate power from fuel handling machine motor controller.
16/10/2012	Sizewell B	0	Electrical defect identified with potential to affect site's 400 Kv supply.
22/10/2012	Sizewell B	0	Sulphate contamination identified in steam generators.
23/10/2012	All EDF Energy sites	0	Flask admin anomaly
23/10/2012	Dungeness B	0	Feed water control to boiler ran while in shut configuration.
23/10/2012	Hartlepool	0	Water extraction and analyser sample pumps found to be shut down.
24/10/2012	Hinkley Point B	0	Noisy gas circulator lubricating oil pump.
25/10/2012	Hinkley Point B	0	No spare voltage tripping indicator available to repair safety maintenance MG set.
25/10/2012	Heysham 1	1	Misalignment of valves identified.
25/10/2012	Hartlepool	NR	An employee injured their hand, requiring hospital treatment, whilst drilling on site.
26/10/2012	Dungeness B	1	Renotification due to recategorisation of event reported on 26 October 2012.
26/10/2012	Sizewell B	0	Spurious control room signal caused by spike on HVAC MCR frost coil outlet particulate radioactivity element.
26/10/2012	Dungeness B	0	Anomaly identified during reordering of bearing for eddy current brakes.
27/10/2012	Hinkley Point B	0	Manual shutdown of reactor due to fault on gas circulator rundown pump.
27/10/2012	Dungeness B	0	Auxiliary transformer alarm initiated.
30/10/2012	Dungeness B	1	Groundwater sample showing elevated levels of tritium.
31/10/2012	Heysham 2	0	Turbine governor valve stuck partially open.
01/11/2012	Heysham 1	0	Fault occurred with reactor computer control system. Reactor shut down to allow investigation.
01/11/2012	Heysham 1	0	Fault occurred with reactor computer control system. Reactor shut down to allow investigation.
01/11/2012	Heysham 2	0	Waste drum found to have additional item within not declared on transport documentation.
03/11/2012	Sizewell B	0	Incorrect calibration data used for secondary protection power range detectors.
05/11/2012	Dungeness B	1	Incorrect service rod fitted during previous overhaul.
05/11/2012	Sizewell B	0	Spurious actuation of Control Room Ventilation Isolation Signal.
08/11/2012	Heysham 1	0	Crane 'long travel' brake potentially binding.
12/11/2012	Torness	0	Wrong technical specification entered after maintenance activity.
13/11/2012	Heysham 1	NR	An employee sustained a hairline fracture to an ankle when walking on an uneven road surface on site.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
14/11/2012	Sizewell B	0	Seismic restraints found to be unsecured on battery unit.
14/11/2012	Torness	0	CO2 in air alarms initiated – analyser defect identified.
18/11/2012	Dungeness B	1	Safety case shortfall identified in assessment of flood heights following Japanese tsunami.
20/11/2012	Dungeness B	0	Technician began excavation work into fire barrier without confirmation that a valid fire barrier assessment was in place.
22/11/2012	Torness	0	Weekly test indicated pager system did not activate as expected on 16 out of 22 pagers.
22/11/2012	Heysham 1	0	Equipment in use beyond calibration date.
27/11/2012	Dungeness B	0	Loss of gas circulator main motors during maintenance
27/11/2012	Sizewell B	1	Gap identified in fire seal.
28/11/2012	Hinkley Point B	0	Following return to service, technical specification action tracking log had not been updated so did not reflect plant state.
30/11/2012	Sizewell B	0	Discharge relief valve passing.
30/11/2012	Torness	0	Maintenance identified pressure transmitter incorrectly set or primed.
01/12/2012	Hinkley Point B	0	Fire jacket not reinstated following planned work, and its unavailability was not entered into technical specification action tracking log.
01/12/2012	Heysham 1	0	Flask admin anomaly
05/12/2012	Dungeness B	0	Interconnector switch between two electrical switchboards left in wrong (closed) configuration.
05/12/2012	Hartlepool	0	Degraded condition of screw chain limit switch.
05/12/2012	Hinkley Point B	0	Incorrect instructions on valve identification plaque led to incorrect configuration setting for valve.
06/12/2012	Hunterston B	0	Technical specification compliance breach identified when cable tunnels accessed for maintenance.
06/12/2012	Sizewell B	0	Temporary power transient on off site switching of 400 KV national grid
07/12/2012	Heysham 2	0	Turbine governor valves mispositioned
10/12/2012	Hinkley Point B	0	Misalignment of control rod position caused Control Rod Bulk Group 2 misalignment alarm.
10/12/2012	Heysham 2	0	Site Incident conservatively declared on suspect CO2 release. Subsequently identified as steam leak.
12/12/2012	Heysham 2	0	Incorrect valve labelling resulted in incorrect firefighting system being isolated for planned work.
13/12/2012	Dungeness B	0	Groundwater sample showing elevated levels of tritium.
15/12/2012	Torness	0	During investigation into hoist trip fault, replacement electronic cards were identified as having incorrect configuration.
17/12/2012	Hinkley Point B	0	Reactor 3 manually shut down due to hydrogen leak.
19/12/2012	Sizewell B	0	Actuation of spurious Control Room Ventilation Isolation Signal.
20/12/2012	Hinkley Point B	NR	During off site emergency scheme training an individual had an accident and needed to go to hospital.
23/12/2012	Hartlepool	0	Flask admin anomaly
23/12/2012	Hartlepool	0	Six manning event shortfalls not allocated to correct event category set out in procedures.
23/12/2012	Heysham 1	0	Reactor 1 automatically tripped following initiation of main generator electrical protection.
26/12/2012	Hartlepool	0	Six manning event shortfalls not allocated to correct event category set out in procedures.
27/12/2012	Hartlepool	0	Six manning event shortfalls not allocated to correct event category set out in procedures.
28/12/2012	Hartlepool	0	Local control panel isolator selected to 'off', meaning battery charger not in service. Battery was supporting supplies and had run down to low volt alarm level.
30/12/2012	Torness	0	Diesel generator declared unavailable following failure to satisfactorily complete test.
31/12/2012	Torness	0	Control valve not responding to falling deaerator level, with manual attempts to operate it unsuccessful. Unit was manually shutdown.
02/01/2013	Sizewell B	0	Unplanned trip due to failure of shrouded connection link.
02/01/2013	Torness	0	Reactor 2 tripped automatically during startup.
03/01/2013	Hartlepool	0	Unscheduled reactor outage due to fault on generator transformer.
03/01/2013	Torness	0	Safe unescorted access to site handbook found to inadequately describe outdoor emergency warnings.
07/01/2013	Dungeness B	0	Fire doors found to be of construction that did not comply with fire safety requirements.
10/01/2013	Heysham 2	0	Maintenance kits for control rod assembly maintenance identified as supplied with incorrect material specification.
11/01/2013	All EDF Energy sites	0	Procurement quality control anomaly identified.
12/01/2013	Dungeness B	0	Vibration and small oil leaks identified on main cooling pump.
17/01/2013	Hartlepool	NR	Leak on turbine hall auxiliary cooling water system
21/01/2013	Sizewell B	0	Fire pump started unexpectedly during routine work.
23/01/2013	Dungeness B	1	Voltage regulator failed during routine test.
24/01/2013	Dungeness B	0	Voltage regulator failed during routine test.
25/01/2013	Heysham 1	0	Heat detection system on steam pressure control valve found to be vetoed (such that alarms from this detector would not operate).
27/01/2013	Hartlepool	0	High and low range CO2 flow transmitters found to have been isolated.
28/01/2013	Torness	0	Total of 44 cells on station battery system found to have hairline cracks.
30/01/2013	Hartlepool	0	Inappropriate configuration of emergency boiler feed pump isolators.
30/01/2013	Hinkley Point B	0	Filling line fire jacket (<1 m) observed to be of different material from expected.
31/01/2013	Heysham 1	0	Cable fault prevented NIAS connection until one hour into emergency exercise.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
02/02/2013	Heysham 1	0	Fuel trip valve failed to operate due to excess amount of paint over trip latch mechanism.
05/02/2013	Hinkley Point B	0	Assessment of safety of steam exhaust pipework against frequent seismic event inadequately documented.
07/02/2013	Hartlepool	0	Operation error during planned work on emergency feed header isolation valves.
11/02/2013	Hartlepool	0	Fuel box found to have number of loose bolts.
14/02/2013	Heysham 2	0	One of three thermocouples measuring channel gas outlet temperature unavailable.
18/02/2013	Sizewell B	0	Water system pump started automatically from standby position during operations to rotate drum screen.
19/02/2013	Hinkley Point B	0	Fire door non-conformances identified.
19/02/2013	Sizewell B	0	Fan pulley belt found to be broken on reserve heat exchanger fan.
22/02/2013	Hunterston B	1	Manual reactor trip for interim outage generated several faults.
23/02/2013	Sizewell B	NR	Crane long travel motion moved in wrong direction and speed to that expected.
24/02/2013	Sizewell B	0	Reserve ultimate heat sink declared unavailable - confirmed nearby temporary scaffolding did not inhibit airflow.
25/02/2013	Dungeness B	0	Oil purifier electrical supply cable fire reported on turbine hall basement.
27/02/2013	Dungeness B	0	During data-processing system fault finding, gradual decrease in margins to normal limits noted.
27/02/2013	Heysham 2	0	Fire seals out of position in reactor building.
27/02/2013	Torness	0	Spare pump tripped on thermal overload.
28/02/2013	Torness	0	Vent supply steam heater maintenance delayed due to defect.
02/03/2013	Sizewell B	0	Spurious control room ventilation signal caused by spike on control building HVAC MCR frost coil outlet particulate radioactivity element.
04/03/2013	Heysham 1	0	Fault identified on main generator blue phase metering current transformer.
06/03/2013	Hartlepool	0	Engineer completed more of work instruction than intended, thereby taking plant out of desired configuration and technical specification.
07/03/2013	Dungeness B	0	Nitrogen injector pump found to be gas locked.
08/03/2013	Hartlepool	0	Chain block failure leading to dropped load from approx. 2 m into boiler closure unit.
10/03/2013	Dungeness B	0	Significant CO2 leak from tank.
10/03/2013	Heysham 2	0	Fire door in turbine hall found to have been tied open.
11/03/2013	Hinkley Point B	0	Control room indication fault identified.
15/03/2013	Hinkley Point B	0	Failure to make action tracking log entry (relating to isolation applied to blowdown articulate filter).
16/03/2013	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
20/03/2013	Heysham 1	0	Four fuel elements initially loaded in incorrect fuel skip.
21/03/2013	Sizewell B	0	Centrifugal charging pump found to have paper filter elements, whereas metal elements should have been fitted.
22/03/2013	Dungeness B	1	Mechanical components to protect against fuelling machine collision with hinged platforms found to have been removed.
26/03/2013	Torness	0	Condensate control valve developed fault.
27/03/2013	Torness	1	Deficiencies identified in tracking graphite weight loss.
30/03/2013	Hartlepool	0	Minor electrical connection fire on startup of fixed jet fire pump.
05/04/2013	Hinkley Point B	0	Combustion air dampers failed to open during manual run of vaporiser.
10/04/2013	Sizewell B	0	Spurious Control Room alarm caused by spike frost coil outlet particulate radioactivity element.
11/04/2013	Hinkley Point B	0	Flask admin anomaly
13/04/2013	Hinkley Point B	0	Fault with autocontrol leading to control loops freezing
14/04/2013	Dungeness B	0	Review of work completion identified failed maintenance task that had not been adequately recorded.
14/04/2013	Sizewell B	0	Service water train flow fell unexpectedly.
18/04/2013	Dungeness B	0	Due to training, shift was two fire team members short.
18/04/2013	Heysham 2	NR	Auxiliary boiler stack blew over in strong winds.
21/04/2013	Hartlepool	0	Turbine / generator tripped during return to service.
23/04/2013	Hunterston B	0	Townswater reinforcement pump not recognised as technical specification-related item.
24/04/2013	Sizewell B	0	Misaligned damper identified on building emergency exhaust system.
25/04/2013	Sizewell B	0	Error identified in calibration of test equipment.
26/04/2013	Sizewell B	0	Townswater reservoir and auxiliary feedwater system valves and flowpatch identified as not having been routinely tested.
27/04/2013	Hartlepool	0	Auxiliary boiler house fire suppression system initiated.
27/04/2013	Sizewell B	0	Motor and discharge valve locked out on trains A, B & D following electrical isolation.
02/05/2013	Hinkley Point B	0	Internal safety review identified issue associated with moisture control in CO2 instrumentation.
02/05/2013	Heysham 1	0	Reactor tripped due to small pipework lagging fire.
03/05/2013	Hunterston B	0	Safety pin found in wrong position in CO2 firefighting bottle, disarming it.
07/05/2013	Dungeness B	0	Fire barrier compromised.
08/05/2013	Dungeness B	0	Error in assumption about operational availability of nitrogen injection pump.
08/05/2013	Heysham 1	0	Zone of cable race fire detection system identified as having been inhibited.
08/05/2013	Torness	0	Isolation unintentionally affected buffer air receiver.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
09/05/2013	Hartlepool	0	Six manning event shortfalls not allocated to correct event category set out in procedures.
09/05/2013	Heysham 2	0	Rising moisture levels resulted in manual trip of reactor.
10/05/2013	Sizewell B	0	Control room ventilation signal activated during filter change.
12/05/2013	Sizewell B	0	Corrosion identified on bottom liner plate of containment sump.
14/05/2013	Hartlepool	0	Hydrogen leak identified on generator.
15/05/2013	Dungeness B	0	Elevating tube identified as having collided with hoist motor.
17/05/2013	Sizewell B	0	Discrepancy between the contents of the source store and what was recorded in the inventory.
18/05/2013	Sizewell B	0	Anomaly identified in examination envelope for weld.
20/05/2013	Dungeness B	0	Active exhaust stack did not appear to have been sufficiently inspected above roof level.
20/05/2013	Sizewell B	NR	During work to extend the main sewage line on site a leak developed resulting in untreated sewage leaking into soil for approx 2 hours.
21/05/2013	Dungeness B	0	Reactor taken off load following review of coastal flooding safety case.
21/05/2013	Hinkley Point B	0	Indication lamp failed to operate.
24/05/2013	Torness	0	Reactor manually tripped due to seaweed ingress into cooling water inlet.
24/05/2013	Torness	0	Reactor automatically tripped due to seaweed ingress into cooling water inlet.
28/05/2013	Dungeness B	0	Modelling established that water on site (post extreme weather conditions) was greater than previously considered in safety case.
28/05/2013	Heysham 1	0	Unclear status of defect repair on condensate polishing plant.
28/05/2013	Heysham 2	0	Fire damper failed to operate correctly during maintenance test.
03/06/2013	Hinkley Point B	0	Valve identified in incorrect orientation.
04/06/2013	Hartlepool	0	Feed lost to service boilers during planned reactor shutdown.
05/06/2013	Hinkley Point B	0	CO2 leak identified near to instrument penetration during reactor outage.
08/06/2013	Sizewell B	0	Signatory of transport documentation had not attended CAA-approved training course.
12/06/2013	Dungeness B	0	Error identified in graphite weight-loss predictions.
13/06/2013	Dungeness B	0	Some fire doors identified as being 30-minute rather than 60-minute rated as required.
20/06/2013	Sizewell B	0	Flow element orifice replaced in incorrect orientation during boric acid leak repair as part of previous outage.
20/06/2013	Torness	NR	Ventilation heater returned to service without statutory pressure systems inspection.
23/06/2013	Dungeness B	1	Maintenance schedule testing identified that additional feed system manual hand wheel in incorrect position.
23/06/2013	Torness	NR	Anomaly with simulator.
24/06/2013	Torness	NR	Tube failure during hydraulic pressure test on auxiliary boiler.
26/06/2013	Sizewell B	NR	Obsolete relay required additional relay to be added to turbine generator gas control panel.
28/06/2013	Hartlepool	0	Six manning event shortfalls not allocated to correct event category set out in procedures.
28/06/2013	Torness	0	Procedural shortcomings in setting of selector switches on reactor control computer.
02/07/2013	Dungeness B	0	Procedure for handwinding operations not updated as expected.
02/07/2013	Heysham 2	0	Reactor tripped due to trip of protection equipment.
08/07/2013	Dungeness B	1	Plug unit closure seals dimensionally compromised.
10/07/2013	Dungeness B	1	Boiler moisture indicators had not been maintenance tested so were not available.
10/07/2013	Hinkley Point B	0	Operation technician minimum manning not achieved.
10/07/2013	Torness	0	Crane theoretically available for service for some eight days while out of its statutory inspection period.
16/07/2013	Dungeness B	0	Reactor tripped automatically during return to service.
18/07/2013	Dungeness B	0	Section of cabling had no fire wire detection system protecting it.
18/07/2013	Dungeness B	0	Fire brigade attended site due to fire alarm in services unit cable race.
19/07/2013	Dungeness B	0	Degraded fire barrier and fire wire identified in cable race.
23/07/2013	Torness	0	Swing check valve failed to close.
25/07/2013	Torness	0	During defect maintenance of CO2 storage plant safety relief valve it was identified that no jointing seal was fitted.
26/07/2013	Dungeness B	0	Boiler gas outlet temperature TRIM auto control would not engage.
27/07/2013	Dungeness B	0	Automatic trip of Reactor 21 occurred.
28/07/2013	Torness	0	Protection power supply failed which caused guardline to trip.
30/07/2013	Sizewell B	0	Actuator gas pressure fell continuously indicating valve movement.
01/08/2013	All EDF Energy sites	0	Strategic Coordination Centre at Prestwick airport found to have number of data / telecoms systems issues.
02/08/2013	Heysham 2	0	Failure to record evidence of compliance reviews.
02/08/2013	Torness	0	Governor valve did not close fully.
06/08/2013	Hartlepool	0	Valve spindles on two valves identified as being made from incorrect material.
06/08/2013	Torness	0	Thinning of fuel store cooling system head tank.
07/08/2013	Hunterston B	0	Protection setting on 1 channel above the value advised by Nuclear Safety Group, but within thermal power limits.
09/08/2013	Torness	0	Foam compound found not to meet required standard.
14/08/2013	Torness	0	Boundary monitoring system showed failure in several areas.
15/08/2013	Hartlepool	0	Earth fault affecting sounding of evacuation / emergency alarms identified.
21/08/2013	Dungeness B	0	Loose bolts found on empty fuel element bottle stillage that had been transported.
23/08/2013	Dungeness B	0	During servicing of fuel plug unit, dowels incorrectly labelled.
23/08/2013	Heysham 1	1	Fire system operated during test run of gas turbine.
27/08/2013	Sizewell B	0	Exhaust fan failed to start due to fault with flow switch.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
28/08/2013	Heysham 2	0	Dropped Stringer Reactor Trip System (DSRT) channel tripped even though all indications on fuelling machine were healthy.
29/08/2013	Dungeness B	0	Suspected failure of accumulator.
29/08/2013	Hartlepool	0	Safety case shortfall identified following HYA event of 22 August 2013.
29/08/2013	Heysham 1	0	Some valves found to be operating at incorrect pressures during testing.
29/08/2013	Sizewell B	0	Cooling water outlet pressure relief valve failed to lift within specification during testing.
30/08/2013	Sizewell B	NR	Input wiring alarm fascias found to be reversed.
02/09/2013	Dungeness B	0	Lifting point failed on pond shock absorber.
06/09/2013	Dungeness B	0	Trim group control rod identified to be below minimum rod limit
07/09/2013	Heysham 1	0	Turbine tripped during testing.
08/09/2013	Dungeness B	0	Boiler feed system transients generated higher than expected channel gas/ boiler gas outlet temperatures during load raise.
10/09/2013	Sizewell B	0	Clean Air Train System pressure running lower than expected, causing sporadic control room alarms.
11/09/2013	Heysham 1	0	Steam leak during turbine generator startup.
13/09/2013	Torness	0	Rector manually tripped due to generator fault.
16/09/2013	Dungeness B	0	During reactor power raising, Emergency Stop Valve 4 would not open and turbine would not run up.
16/09/2013	Sizewell B	0	Spurious signal caused by spike on Control Building HVAC MCR frost coil outlet iodine radioactivity element
17/09/2013	Hinkley Point B	0	Need to investigate earth fault associated with main turbine brush gear resulted in reactor load being reduced and desynchronised.
18/09/2013	Sizewell B	0	Spurious signal caused by spike on Control Building Control Building HVAC MCR frost coil outlet particulate radioactivity element.
19/09/2013	Heysham 2	0	Nuclear Significant Fire Door found to be open and local alarm sounding.
19/09/2013	Torness	0	Small area of dry contamination identified in sump of discharge line pump flange.
20/09/2013	Torness	0	Predicted and actual temperatures of flux measuring assembly standpipes did not agree.
21/09/2013	Hartlepool	0	Mini Annulus Panel washers found not to have been fitted as required.
23/09/2013	Dungeness B	0	Drop in reactor power witnessed.
30/09/2013	Dungeness B	1	Alarm activated indicating gas circulator speed probe fault.
03/10/2013	Heysham 2	0	Feed flow information discrepancy.
04/10/2013	Heysham 1	0	Exceeded package found to exceed permissible external surface dose rate limit.
04/10/2013	Heysham 1	0	Transient occurred that raised Reactor PVCW liner temperature to 30.5° C.
04/10/2013	Heysham 1	0	Unexpected loss of guardline standby supplies during reactor outage.
04/10/2013	Heysham 2	0	Equipment started spuriously during recommissioning.
07/10/2013	Dungeness B	0	Fuel assembly crimping operation conducted in error with neutron scatter plug present.
08/10/2013	Dungeness B	0	Shutdown defect (oil pump) identified following manual shutdown of reactor.
14/10/2013	Dungeness B	0	Guardline tripped during gas circular speed change.
14/10/2013	Hunterston B	0	Manual isolating valve found to be closed rendering standby filling line unavailable.
14/10/2013	Sizewell B	0	Spurious control room signal caused by trip of ventilation and air-conditioning system.
15/10/2013	Hartlepool	0	Condenser level control failed.
17/10/2013	Hunterston B	0	Drier filter operation terminated as filter differential pressure reached limit.
17/10/2013	Sizewell B	0	Routine maintenance identified that some post-fault monitoring indicators were not calibrated.
18/10/2013	Heysham 1	0	Coastal flooding hazard challenge highlighted by review.
21/10/2013	Dungeness B	1	Cooling water supply isolation to buffer storage tubes undertaken before fuel route plan steps to empty tubes had been completed.
22/10/2013	Hartlepool	0	Low pressure noted on CO2 tank and transfer pumps.
24/10/2013	Dungeness B	0	During pre-start checks, starting air supply isolating valve found to be shut.
25/10/2013	Dungeness B	0	Backup cooling water valve failed to operate remotely.
29/10/2013	Dungeness B	0	High winds caused roofing material to impact on transmission lines, causing transformer to trip.
31/10/2013	Dungeness B	0	Building emergency lighting failed to stay illuminated on loss of electrical power as required.
31/10/2013	Hartlepool	0	Unofficial modifications identified by new maintenance contractor on static reversing contactors.
01/11/2013	Dungeness B	1	Following loss of grid tripping of both reactors, emergency lighting and battery non-conformances noted.
02/11/2013	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
05/11/2013	Heysham 1	0	Administrative error accounting for a radiography source.
12/11/2013	Sizewell B	0	Incorrect recording of boronated water levels in Emergency Core Cooling System Accumulator not identified until following shift.
13/11/2013	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
14/11/2013	Sizewell B	0	Emergency Charging System Train B failed in service from overheating due to incorrect packing on load spring.
16/11/2013	Hinkley Point B	0	Spurious trip on reactor gas pressure rate of change channel 2.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
21/11/2013	Torness	0	Significant marine ingress prompted manual shutdown of Reactor 2.
22/11/2013	Heysham 1	0	Switchboard selector switch incorrectly set to local operation.
22/11/2013	Heysham 1	0	Pressure transmitter at Reactor 1 alternative indication centre found isolated.
22/11/2013	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
25/11/2013	Dungeness B	0	Passive fire barrier found to have holes in both ends into the gas circulator halls, challenging barrier integrity.
26/11/2013	Heysham 1	0	Wrong revision of technical specification checksheet used.
27/11/2013	Dungeness B	0	Engineering design change process documentation and verification activities not completed in accordance with requirements.
28/11/2013	Torness	0	Airborne activity outside C3 area for tritium tank work.
30/11/2013	Heysham 1	0	Multi-position valve on Emergency Boiler Feed Pump 3 selected to incorrect position.
03/12/2013	Dungeness B	0	Manual shutdown following failure of one of two pressure sustaining valves.
04/12/2013	Hinkley Point B	1	Valve on reactor cooling system noted in incorrect position.
04/12/2013	Heysham 1	0	Valve position end stop failure.
05/12/2013	Sizewell B	0	Corrupt software configuration files on Emergency Plume Gamma Monitoring System.
06/12/2013	Hinkley Point B	0	Flask transport anomaly
10/12/2013	Torness	0	Plastic sheeting found in close proximity to air intake of diesel turbo charger.
12/12/2013	Hartlepool	0	Plant not reconfigured post maintenance causing high pressure and bursting disk alarms during subsequent operations.
13/12/2013	Dungeness B	0	Removal of floor slabs recorded in operations log but not technical specification tracking log as required by local instructions.
17/12/2013	Sizewell B	0	Potential for inadequate radiological shielding during fuel component movements.
20/12/2013	Dungeness B	0	Essential Cooling Water System Pump not identified on isolation / deisolation operating procedure.
23/12/2013	Hartlepool	0	Minimum safety manning required by site emergency plan not met.
26/12/2013	Hartlepool	0	Shortfall in emergency response manning levels.
27/12/2013	Heysham 1	0	Automatic trip of Reactor 2 on apparent loss of grid.
30/12/2013	Dungeness B	0	Plant inspection identified that two vent isolating valves were shut rendering nitrogen pumps 23 and 24 unavailable.
01/01/2014	Hartlepool	0	Shortfall in emergency response manning levels.
04/01/2014	Heysham 1	0	Reactor manually tripped following main boiler feed pump live steam governor tripping shut.
10/01/2014	Heysham 1	0	Reactor 1 manually tripped following boiler feed pump failure.
14/01/2014	Torness	0	Commissioning of a gas services trolley identified missing plugs in vent line.
15/01/2014	Sizewell B	0	Chiller unit for air-conditioning system incorrectly configured to "local" operation.
15/01/2014	Dungeness B	0	Discrepancies in neutron scatter plug serial numbers within database records
17/01/2014	Hartlepool	0	Wrong type of safety relays fitted during maintenance.
17/01/2014	Hunterston B	0	Absorption filter outwith its statutory inspection period under Pressure Systems Safety Regulations but remained compliant with local maintenance functional requirements.
20/01/2014	Hartlepool	0	Control rod drop due to trapping of sub pile-cap clutch supply cable.
21/01/2014	Hunterston B	0	Work card did not identify fire jacket as being nuclear safety significant, leading to non-compliance with technical specification when it was removed.
21/01/2014	Hartlepool	NR	Crane long travel limit trips 1 and 2 failed. Long travel limit trip 3 worked.
22/01/2014	Hartlepool	0	Adverse trend identified with respect to successful out-of-hours pager tests.
23/01/2014	Hartlepool	0	Shortfall in emergency response manning levels.
23/01/2014	Hartlepool	0	Shortfall in emergency response manning levels.
24/01/2014	Heysham 1	0	Reactor tripped due to valve fault.
26/01/2014	Dungeness B	0	Technical specification non-compliance when "failed" battery supplies inappropriately configured for normal duty.
29/01/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
30/01/2014	Hunterston B	0	Reactor and turbine generator tripped automatically – no fault found.
30/01/2014	Sizewell B	0	Anomalies identified during non-destructive testing of welds on fuel supply route to Battery Charging Diesel Generator.
31/01/2014	All EDF Energy sites	0	Fuel pins discovered with minor tin deposit and corresponding pitting of end-cap surface, which exceeds maximum depth allowed by specification.
04/02/2014	Torness	0	Shift pattern changed without being subject to "Management of Change" process.
07/02/2014	Dungeness B	0	DC Charger found to have output fuse switch in open (off) position instead of closed position, rendering it unavailable for nuclear safety function on demand.
08/02/2014	Heysham 1	0	Switchboard selector switch incorrectly configured to "local" position.
08/02/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
09/02/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
10/02/2014	Heysham 2	0	Blown fuse caused power loss to reactor safety system.
10/02/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
12/02/2014	Dungeness B	0	Reactor 21 manually tripped following unexpected closure of reheater outlet isolating valve.
12/02/2014	Hinkley Point B	0	Record sheet entry confusing, leading Team Leader to believe, incorrectly, that storage tube was empty.
13/02/2014	Sizewell B	0	Temporary seawater monitoring unit caught fire.
14/02/2014	Sizewell B	0	Dual redundant power supplies to subset of high integrity control system panels identified as not in optimal arrangement.
16/02/2014	Heysham 2	0	Oil pressure loss led to automatic trip of turbine and subsequent trip of Reactor 8.
17/02/2014	Torness	0	Cracks detected on reheater outlet pipework.
19/02/2014	Torness	0	During electrical testing, power supply failure caused loss of control of gas circulator speed.
22/02/2014	Hartlepool	0	During control rod exchange, electrical supplies were lost, causing control rod to enter core leading to automatic reactor trip.
22/02/2014	Heysham 2	0	Decay store air cooler fans isolated, but not recorded as unavailable.
23/02/2014	Hunterston B	0	Nitrogen plant valves found in incorrect open configuration.
24/02/2014	Hartlepool	NR	Flask admin anomaly
25/02/2014	Hunterston B	0	Following a number of alarms, unit 7 feed heaters tripped.
25/02/2014	Sizewell B	0	Reactor Coolant Pump (RCP) bearing low oil alarm resulted in reactor shutdown to facilitate rectification.
04/03/2014	Heysham 1	0	Small tube leak from boiler.
06/03/2014	Sizewell B	1	Shaft driven oil pump suffered loss of prime.
07/03/2014	Hartlepool	0	Potential technical specification anomaly regarding announcement of Group 1 "boiler closure fault" alarm.
08/03/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
09/03/2014	Heysham 1	0	Anomaly in appropriate action tracking of plant unavailability resulting in delay to urgent maintenance state being entered.
09/03/2014	Torness	0	Control rod clutch supply switches found to have been installed incorrectly post replacement.
11/03/2014	Heysham 1	0	Exceeded package dose rate limit exceeded.
12/03/2014	Torness	0	Cooling water supply taken out of service with unplanned consequence that dismantling tube cooling water low flow alarm initiated.
14/03/2014	Torness	0	Control supplies to two sets of ventilation valves discovered to be reversed.
15/03/2014	Dungeness B	0	Unplanned change in channel gas outlet temperature demand.
15/03/2014	Hartlepool	0	Minor fire occurred on turbine generator 2.
17/03/2014	Hartlepool	NR	Failure of seven personnel to respond to site incident.
18/03/2014	Hinkley Point B	0	Chloride ingress trip activated during shutdown.
18/03/2014	Torness	0	Dropped load damaged clutch cable dropping control rod. Resultant flux transient caused automatic trip of Reactor 2.
19/03/2014	Hartlepool	0	Unplanned degradation of Turbine 2 fire system due to erected scaffolding.
20/03/2014	Hinkley Point B	0	Quadrant protection equipment in half trip. Risk of full trip while fault standing.
20/03/2014	Torness	0	Reactor 2 high Boiler Outlet Gas Temperature trips occurred on quadrants A and B leading to main guardline reactor trip.
23/03/2014	Dungeness B	0	CO2 fire protection panel incorrectly configured to off position.
25/03/2014	Hunterston B	0	Paintbrush caught fire when it came into contact with hot pipework.
26/03/2014	Torness	0	Unexpected loss of supplies following isolation of fuse board.
30/03/2014	Heysham 2	0	Absence compromised minimum safe manning levels.
31/03/2014	Hunterston B	0	Reactor and turbine tripped automatically on earth fault protection.
03/04/2014	Heysham 1	0	Data processing system instability.
04/04/2014	Heysham 1	0	Faulty feedflow indication from boiler led to increasing feed pump speed, causing increase in reactor power.
06/04/2014	Sizewell B	0	Emergency service water train low discharge header pressure alarm initiated and reserve ultimate heat sink actuation occurred.
08/04/2014	Heysham 2	0	Plant isolated for maintenance without appreciating effect on technical specification monitoring.
11/04/2014	Dungeness B	0	New fuel assembly removed outwith requirements of technical specification.
13/04/2014	Hartlepool	NR	Shortfall in first aid cover.
17/04/2014	Hartlepool	0	Small fire on gas turbine during commissioning test run.
24/04/2014	Hartlepool	0	Fire occurred during commissioning of gas turbine.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
25/04/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
27/04/2014	Dungeness B	1	Reactors automatically tripped due to fault on off site 400 Kv transmission system.
28/04/2014	Dungeness B	0	50V telecoms supplies misaligned, constituting non-compliance with technical specifications.
30/04/2014	Hartlepool	0	Nitrogen supply valve identified in incorrect closed configuration.
01/05/2014	Hinkley Point B	0	Computer failure of pager callout system.
01/05/2014	Sizewell B	0	Fire alarm found to have been inhibited.
01/05/2014	Sizewell B	0	Unplanned isolation / trip of heating ventilation and air-conditioning system during maintenance.
02/05/2014	Heysham 1	0	Fuelling machine raise / lower mechanism Autoguard torque limiting clutch setting not in accordance with as-built condition.
08/05/2014	Hartlepool	0	Failure of auxiliary steam valves to operate during maintenance testing.
12/05/2014	Hartlepool	0	Fuelling machine raise / lower mechanism Autoguard torque limiting clutch setting not in accordance with as-built condition.
13/05/2014	Hunterston B	0	Gas circulator inlet guide vanes failed to close on quadrant trip.
14/05/2014	Sizewell B	0	Fuel oil tank had not been checked in accordance with technical specification requirements.
15/05/2014	Hinkley Point B	0	Administrative anomaly with Euratom reporting.
16/05/2014	Heysham 1	0	Inlet guide vane found in incorrect closed configuration.
21/05/2014	Torness	0	Five non-responders to weekly pager test and two roles not fulfilled during cascade callout.
23/05/2014	Dungeness B	0	Control rod developed fault, resulting in it fully inserting into core. Operators maintained positive control, and manually shut down.
25/05/2014	Heysham 2	0	Compliance checks completed with incorrect data.
25/05/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
25/05/2014	Torness	0	Extended delay in engaging Reactor 1 regulating control rod group 2 on auto control.
29/05/2014	Dungeness B	0	Water leak developed on back up cooling water system.
29/05/2014	Hartlepool	0	Emergency controller failed to respond to weekly pager test.
30/05/2014	Heysham 2	0	Veto not configured correctly during low power refuelling.
30/05/2014	Hartlepool	0	Incorrect Implementation of an engineering change (support base plates and anchors not as specified).
06/06/2014	Heysham 2	0	Cooling tower fan found to have incorrect direction of rotation.
07/06/2014	Heysham 2	0	Cooling tower fan found to have incorrect direction of rotation.
11/06/2014	Heysham 1	0	Abnormal increase in activity associated with fuel failure detected.
11/06/2014	Heysham 1	0	Fault with fuelling machine hoist weight protection system.
17/06/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
01/07/2014	Torness	0	Automatic shutdown following turbine generator excitation fault.
01/07/2014	Dungeness B	NR	Lagging caught fire following quartz bulb blowing.
02/07/2014	Hinkley Point B	0	Section of pipework on nitrogen injection system failed during maintenance testing.
05/07/2014	Torness	0	Cooling system plant configuration records not kept up to date when valves closed to assist draining.
07/07/2014	Torness	0	Reactor 2 shutdown to investigate / repair valve.
08/07/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
10/07/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
10/07/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
11/07/2014	Dungeness B	0	Airlock in transformer not fully rectified, which left transformer at increased risk of tripping.
14/07/2014	Dungeness B	0	Fire doors not at required rating.
14/07/2014	Hartlepool	1	Transmitter failure on feed water flow trip channel.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
14/07/2014	Torness	0	Reactor tripped as result of unrevealed fault during routine testing of quadrant protection system.
15/07/2014	Torness	0	Reactor tripped as result of a unrevealed fault during routine testing of quadrant protection system.
16/07/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
17/07/2014	Sizewell B	0	Fuel handling machine not locked off and put under holding document once statutory inspection validity expired.
20/07/2014	Hartlepool	NR	Shortfall in emergency scheme manning.
25/07/2014	Dungeness B	0	Groundwater sample showing elevated levels of tritium.
25/07/2014	Dungeness B	0	Abnormally high pump jacket water temperature.
25/07/2014	Heysham 2	0	Decay heat condenser declared available following receipt of handover certificate while plant remained isolated.
26/07/2014	Sizewell B	0	Automatic trip occurred on high-level steam in generator.
27/07/2014	Heysham 1	NR	Emergency vehicle battery fault.
29/07/2014	Hinkley Point B	0	Incorrect disablement of fast actuation circuit of fire system during commissioning.
01/08/2014	Dungeness B	0	Reactor automatically tripped on rate of change of boiler gas outlet temperature due to Main Boiler Feed Pump tripping.
02/08/2014	Hartlepool	0	Fire system isolating valve found incorrectly configured shut, making installed fire system unavailable.
03/08/2014	Dungeness B	0	Data processing system fault leading to thermal power transient.
04/08/2014	Dungeness B	0	Reactor manually tripped due to discovery of hydrogen leak on generator cooler.
06/08/2014	Hartlepool	0	Emergency start relay failed, blowing fuse and initiating emergency start of gas turbine.
07/08/2014	Heysham 1	1	Surface breaking defects, which were not expected, discovered on reactor boiler spine.
09/08/2014	Torness	NR	Test documentation incorrectly identified channel to be tested.
10/08/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
11/08/2014	Hartlepool	0	Unplanned shutdown of reactors following boiler spine anomalies.
11/08/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
11/08/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
11/08/2014	Torness	NR	Enhancements to testing not properly implemented.
12/08/2014	Hartlepool	0	Unplanned shutdown of reactors following boiler spine anomalies.
13/08/2014	Heysham 1	0	Reactor manually tripped following safety case review on boiler spine.
14/08/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
14/08/2014	All EDF Energy sites	NR	Known issue with 415 v electrical breakers, which can affect open / close actions.
18/08/2014	Sizewell B	0	Steam generator blowdown isolation occurred. Checks confirmed that blowdown isolation system caused by high flash vessel level.
20/08/2014	Dungeness B	1	Small hole identified in reactor secondary shutdown system nitrogen injection pipework.
22/08/2014	Dungeness B	0	Auxiliary electrical transformer tripped causing loss of supplies to two gas circulators and subsequent auto trip of reactor.
28/08/2014	Hartlepool	0	Work on external steel restraint on boiler attempted without permission from Central Control Room.
31/08/2014	Hunterston B	0	Fire door left open.
03/09/2014	Hunterston B	0	Low lubricating oil caused trip of gas circulators.
06/09/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
07/09/2014	Dungeness B	0	Data processing system fault leading to reduced thermal power.
15/09/2014	Heysham 1	0	Incorrect measurements used resulted in shear blocks being machined to wrong dimension.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
16/09/2014	Sizewell B	0	Spurious control room ventilation signal caused by spike on auxiliary building HVAC filtered exhaust iodine radioactivity element.
17/09/2014	Torness	0	Reactor tripped following overfeeding in main boiler.
18/09/2014	Dungeness B	0	No authorised Fire Shift Leader on three occasions.
18/09/2014	Sizewell B	0	Engineering change implemented before change had been approved.
20/09/2014	Torness	0	Data logger not updating results in Central Control Room.
22/09/2014	Dungeness B	0	Channel gas outlet temperature found to be out of compliance limit.
22/09/2014	Hartlepool	0	Work started on wrong hydraulic cubicle.
24/09/2014	Dungeness B	0	Data processing system fault occurred which caused reactor thermal power transient.
25/09/2014	Dungeness B	0	Reactor automatically tripped while transformer out of service for planned repairs.
26/09/2014	Sizewell B	0	Relief valve operated differently than expected.
30/09/2014	Dungeness B	0	Missing relay meant four indications failed during lamp testing.
02/10/2014	Sizewell B	0	Defects identified in structural weld on emergency diesel generator exhaust.
06/10/2014	Hunterston B	0	Elevated vibration levels on turbine generator bearings.
12/10/2014	Dungeness B	0	Back-up superheater isolating valve found in wrong closed configuration.
13/10/2014	Dungeness B	0	Unit manually tripped due to rate of change of boiler gas outlet temperature.
14/10/2014	Dungeness B	0	Fuel transport flask consignment note not fully completed.
17/10/2014	Heysham 1	0	Unavailability of non destructive test records for pipework welds when needed.
24/10/2014	Hartlepool	0	Boiler gas inlet temperature monitor found to be not working.
24/10/2014	Sizewell B	0	Main control room automated surveillance tool did not reflect latest plant configuration.
26/10/2014	Hartlepool	0	Spurious initiation of suspended cable race fire system.
31/10/2014	Dungeness B	0	Pond skip crane fault with unexpected movement.
02/11/2014	Hartlepool	NR	Pipe leak identified during commissioning.
02/11/2014	Hartlepool	0	Failure of forced air cooling pipework.
03/11/2014	Dungeness B	0	Test pressure gauge left installed in place of a water spray fire system fire nozzle.
08/11/2014	Hartlepool	0	Correct action state not entered when low pressure back up cooling electrical panel taken off line for testing.
10/11/2014	Dungeness B	0	Reactor manually tripped due to boiler feed not responding on automatic settings.
13/11/2014	Hartlepool	0	Pressure transmitter found to be incorrectly configured.
16/11/2014	Heysham 2	0	Core flow limit exceeded.
18/11/2014	Sizewell B	0	Contractor fell from a scaffolding ladder.
19/11/2014	Heysham 1	0	Incorrect technical specification entry identified.
20/11/2014	Sizewell B	0	Standby residue heat removal train placed in service before boron results received as required by technical specification.
21/11/2014	Torness	0	Plant status and configuration not kept up to date in tracking system.
21/11/2014	Torness	0	Reactor tripped during planned routine testing of Start and Standby Boiler Feed Pump.
02/12/2014	Dungeness B	0	Fire doors not closed immediately after flask move. Control room unaware of open fire door configuration.
03/12/2014	Sizewell B	0	Fire system activation due to ignition of small release of hydrogen.
04/12/2014	Hinkley Point B	0	Emergency callout arrangements compromised – pager test did not function as intended coincident with problem with telephone system at local BT telephone exchange.
08/12/2014	Dungeness B	0	Reactor automatic shutdown due to gas circulator 11 kV Main Motor protection.
12/12/2014	Dungeness B	0	Water fire spray protection system claimed as available with maintenance tasks still outstanding.
14/12/2014	Dungeness B	0	Groundwater sample showing elevated levels of tritium.
16/12/2014	Hunterston B	0	Discrepancy in requirements for flask valve cover torque settings.
25/12/2014	Hunterston B	0	Reactor tripped manually following closure of chloride protection valve.
01/01/2015	Dungeness B	0	Interconnector oil circuit breaker selected to 'local' during line-up check.
01/01/2015	Hartlepool	0	Incident Response Team was undermanned for part of one shift.
03/01/2015	Dungeness B	0	Automatic reactor trip due to low seal oil pressure.
05/01/2015	Sizewell B	0	Installed replacement spare not of correct build configuration.
05/01/2015	Sizewell B	0	Spurious signal activated high radiation alarm during routine iodine filter change.
06/01/2015	Hinkley Point B	0	Gas circulator endurance valve alarm initiated.
07/01/2015	Hartlepool	0	Incident Response Team member unable to attend site.
10/01/2015	Sizewell B	0	Spurious radiation signal received.
13/01/2015	Hinkley Point B	0	Gas discharged from reactor into contaminated vent system during isolation of compressor.
16/01/2015	Torness	0	Incorrect material used for a reheater probe isolating valve.
22/01/2015	Heysham 1	1	Allocation of thermocouples not in accordance with requirements of technical specification.
23/01/2015	Heysham 1	0	Boiler feed bypass valve approximately 20% open, when it should have been fully shut.
25/01/2015	Torness	0	Initiation of low pressure CO2 ring main alarm (caused by valve being in shut position).
28/01/2015	Heysham 1	0	Minor water leak observed.
30/01/2015	Hinkley Point B	0	Fire jackets removed for maintenance without completing appropriate paperwork.
31/01/2015	Heysham 1	0	Boiler feed pump tripped on motor protection.
02/02/2015	Hartlepool	0	Emergency manning fell below required level due to staff absence.
02/02/2015	Sizewell B	0	Incorrect nuts identified as having been fitted to valve.
04/02/2015	Heysham 1	0	Data processing system fault caused high number of alarms masking slight mismatch in boiler feed, which caused feed transient.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
04/02/2015	Sizewell B	0	Sump pump found in incorrect configuration.
09/02/2015	Hinkley Point B	0	Limited condition of operation not entered into when cooling fan isolated for planned maintenance.
27/02/2015	Heysham 2	0	Gas circulator overspeed protection tripped during reactor shutdown.
01/03/2015	Hartlepool	0	Reactor tripped.
03/03/2015	Torness	0	Low level waste container consigned outside of its maintenance and inspection period.
08/03/2015	Dungeness B	0	Set point of dew meter incorrectly set.
11/03/2015	Torness	0	Integrity of excepted package identified during transit.
16/03/2015	Heysham 1	0	CO2 leak from storage plant.
20/03/2015	Heysham 1	0	Crack detected in DC heater train supporting steelwork.
25/03/2015	Torness	0	Delays in delivering refresher training meant staff exceeded refresher training time limit.
26/03/2015	Hinkley Point B	0	Closure actuator not fully vented prior to removal.
26/03/2015	Torness	0	Misalignment of CO2 relief valve isolator.
05/04/2015	Torness	0	Shift numbers below minimum emergency plan level after staff illness.
19/04/2015	Sizewell B	0	Automatic initiation of reserve ultimate heat sink system after reduction in essential service water flow during valve realignment.
20/04/2015	Dungeness B	0	Boiler moisture indication system valve misaligned.
22/04/2015	Heysham 2	0	Quadrant excess drainage pumps left in a non-operational state.
22/04/2015	Sizewell B	0	Unplanned inoperability of essential service water system train.
24/04/2015	Dungeness B	0	Scaffold fouling boiler feedpump actuator drive mechanism.
26/04/2015	Hartlepool	0	Elevated closure temperature on fuel plug unit, reduced by opening gag.
10/05/2015	Dungeness B	0	Emergency manning short of fire team leader.
11/05/2015	Sizewell B	0	Unexpected control room ventilation isolation signal actuation.
11/05/2015	Dungeness B	0	Electrical link missing in gas circulator pony motor tripping system.
14/05/2015	Hartlepool	0	Gas turbine CO2 fire suppression system unavailable.
16/05/2015	Dungeness B	0	Essential cooling water ring main incorrectly aligned.
20/05/2015	Dungeness B	0	Boiler moisture-in-CO2 system incorrectly configured.
24/05/2015	Hunterston B	0	Unit manually tripped following a fault on the 110V AC electrical system.
28/05/2015	Sizewell B	0	Essential Diesel Generator fuel oil tank level dropped below allowed limit during test run.
30/05/2015	Torness	0	Unexpected control rod movement and localised power change.
01/06/2015	Sizewell B	0	High radiation alarm activated control room ventilation isolation signal.
02/06/2015	Hunterston B	0	Reactor manually tripped due to cooling water restrictions following seaweed ingress.
05/06/2015	Torness	1	Three plug units with thin walled heat shield gimbal lower half castings refuelled at power.
06/06/2015	Heysham 1	0	Dump condenser extraction pumps unavailable due to selector switch misalignment.
06/06/2015	Hunterston B	0	Reactor manually tripped to repair fault on a reactor control loop.
09/06/2015	Heysham 1	0	Safety control rod failed to meet rod drop test acceptance criteria.
10/06/2015	Sizewell B	0	Unplanned control room ventilation isolation signal actuation during system reboot.
10/06/2015	Heysham 2	0	Irradiated fuel flask transported to Sellafield with rail transport flatrol canopy not fully secured.
18/06/2015	Sizewell B	0	Potential inadequacy of anti-siphon holes in fuel storage pond pipework for some fault scenarios.
20/06/2015	Dungeness B	0	Operations shift emergency scheme manning short by one person.
25/06/2015	Torness	0	Defeat of interlock process arrangements not properly followed for fuel plug unit cell work.
29/06/2015	Torness	0	Nominated oxygen injection system supervisor not on site while the system was in service.
02/07/2015	Heysham 1	0	Automatic trip after main feed isolating valve ran closed.
03/07/2015	Torness	0	Two diesel generator start air compressors tripped on over-current protection.
04/07/2015	Heysham 1	0	Reactor start-up, phase 1 flux control problems.
14/07/2015	Torness	0	Carbon dioxide storage plant 110V AC changeover unit failure during switching.
15/07/2015	Heysham 1	0	Plant misalignment during de-isolation of an emergency boiler feedpump.
17/07/2015	Hartlepool	1	A number of reactor ancillaries cooling water system non-return valves failed to close during testing.
21/07/2015	Hartlepool	0	Reactor auxiliary cooling water isolating operating instruction and rule requirements mismatch.
27/07/2015	Heysham 2	0	Automatic reactor trip following a boiler feed transient.
30/07/2015	All EDF Energy sites	0	Radioactive material shipped without approved quality plan.
03/08/2015	Hartlepool	0	Lagging prematurely removed from boiler pod and not logged in action tracking system.
04/08/2015	Torness	0	Control rod actuator overhaul kit contained circlip made of incorrect type of steel.
05/08/2015	Dungeness B	0	Missed surveillance while CO2 monitoring system out of service.
07/08/2015	Torness	0	Cracks discovered in reactor core restraint system graphite peripheral shield bricks.
09/08/2015	Hartlepool	0	Boiler closure fault system alarm system unavailability not tracked in compliance system.
11/08/2015	Dungeness B	0	Emergency scheme manning short of authorised fire team leader.
13/08/2015	Heysham 1	0	Site Incident declared due to CO2 leak from a valve in the reactor secondary shutdown system.
14/08/2015	Dungeness B	0	Tannoy messages inaudible during site fire muster.
14/08/2015	Dungeness B	0	Manual reactor shutdown to fix turbine bearing oil leak.
17/08/2015	Hinkley Point B	0	Automatic unit trip during routine testing of turbine overspeed equipment.
22/08/2015	Torness	0	Low auxiliary steam supply pressure to several CO2 plant vaporisers.
22/08/2015	Heysham 2	0	Quadrant excess drainage pumps over-current protection activated.
27/08/2015	Sizewell B	0	Vetoes not reapplied after secondary protection system testing.
28/08/2015	Sizewell B	0	Calculated level of allowed maximum reactor thermal power set slightly higher than the appropriate value.
31/08/2015	Dungeness B	0	Manual reactor shutdown to rectify main boiler feedpump vibration.

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)

Event Date	Site	INES Rating	Event Title
06/09/2015	Torness	0	Reactor relief valve roof bursting disc debris expelled during testing.
06/09/2015	Torness	1	Gas Circulator failed to start successfully on variable speed drive.
07/09/2015	Hartlepool	0	Hydrogen bottle store compound fixed jet fire suppression system unavailable.
10/09/2015	Dungeness B	0	Backup diesel generator failed to start during a test run.
19/09/2015	Hartlepool	0	Boiler feedpump fire suppression system central control room activation facility unavailable.
20/09/2015	Dungeness B	0	Emergency scheme manning short by one fire team leader.
22/09/2015	Hartlepool	0	Reactor auxiliary cooling water system testing conducted on the wrong unit
22/09/2015	Dungeness B	0	Four individuals found contaminated following work in plug unit maintenance facility.
23/09/2015	Hartlepool	0	Boiler feed pump discharge isolation valve in incorrect operating mode.
25/09/2015	Dungeness B	0	Fuel buffer storage tubes returned to service without closure pressurisation checks being conducted.
07/10/2015	Hunterston B	0	Reactor gas circulator endurance protection partially unavailable.
07/10/2015	Hunterston B	0	Auxiliary boiler system unavailable.
09/10/2015	Torness	0	Contamination detected on irradiated fuel transport flask during arrival survey at Sellafield.
20/10/2015	Dungeness B	0	Emergency scheme manning short of in-ticket first-aider.
25/10/2015	Dungeness B	0	Reactor manually tripped when loss of feedwater inflow to deaerator caused its water level to drop.
26/10/2015	Torness	0	Cracks found on hot reheat pipework stitch welds of seismic restraint anchoring system.
31/10/2015	Hunterston B	0	Inspection programme identifies graphite brick keyway root cracking.
03/11/2015	Dungeness B	0	Available emergency scheme breathing air cylinders below required complement.
08/11/2015	Hunterston B	0	Thermal fatigue cracking above the recordable threshold on a number of hot reheat air release branches.
12/11/2015	Dungeness B	1	Safety case shortfall relating to steam release reactor trip system air-receiver safety relief valves.
26/11/2015	Dungeness B	0	Fire panel fault disabling the central control room alarm annunciator.
30/11/2015	Sizewell B	0	Wrong parameter monitored during surveillance check of auxiliary reserve ultimate heat sink system.
01/12/2015	Hartlepool	1	CO2 pipe-trench hot gas release segregation door found open.
10/12/2015	Sizewell B	0	Incorrect temperature alarm set point on component cooling water system charging pump.
16/12/2015	Hartlepool	1	Small crack discovered on reactor instrument penetration transition weld.
16/12/2015	Heysham 1	0	Automatic reactor trip following trip of a 'no-break' motor-alternator set.
20/12/2015	Sizewell B	0	Main control room manning levels below complement after sudden staff member illness.
29/12/2015	Heysham 2	0	Decay fuel store CO2 supplies isolated before decay heat reduced to allowable level.
31/12/2015	Torness	0	Low level waste samples not accounted for in waste consignment.
02/01/2016	Sizewell B	0	Control room ventilation isolation signal activated by faulty signal.
03/01/2016	Sizewell B	0	Automatic actuation of one train of the main and auxiliary reserve ultimate heat sink systems.
12/01/2016	Sizewell B	0	Reserve ultimate heat sink system temperature switch failures.
16/01/2016	Sizewell B	0	Control room ventilation isolation activated by faulty signal.
19/01/2016	Hunterston B	0	Turbine governor load transducer failed causing control system mismatch.
02/01/2016	Sizewell B	0	Control room ventilation isolation signal activated by naturally occurring radon
03/01/2016	Sizewell B	0	Automatic actuation of one train of the main and auxiliary reserve ultimate heat sink systems
07/01/2016	Torness	0	Fuelling machine hoist unexpectedly stopped during irradiated fuel assembly raising activity
10/01/2016	Torness	0	Unexpected control rod movements causing a small reduction in reactor power
12/01/2016	Sizewell B	0	Reserve ultimate heat sink system temperature switch failures
16/01/2016	Sizewell B	0	Control room ventilation isolation signal activated by spurious signal
19/01/2016	Hunterston B	0	Turbine governor load transducer failed causing control system mismatch
25/01/2016	Dungeness B	0	Fuel transport flask activity above action level identified upon receipt at Sellafield
26/01/2016	Hunterston B	0	Reactor cooling water pump protection operated
28/01/2016	Torness	0	Cooling pond bay low level alarm set to incorrect position
29/01/2016	Hunterston B	0	Diesel generator low level fuel oil alarm triggered
30/01/2016	Hartlepool	0	Planned reactor shutdown for forced outage
01/02/2016	Torness	0	415V Station UPS System supply fault
02/02/2016	Sizewell B	0	Reserve ultimate heat sink system actuation due to loss of flow to essential service water train B
07/02/2016	Sizewell B	0	Control room ventilation isolation activated by spurious signal
09/02/2016	Dungeness B	0	Incorrect shield plug inserted into the irradiated fuel disposal standpipe
12/02/2016	Torness	0	No documentary evidence of daily checks to fire isolation system
12/02/2016	Hinkley Point B	0	Weather proof caps not reinstalled on reactor pressure safety relieve valves
17/02/2016	Torness	0	Insufficient planning of defect repairs resulted in small reactor power change
27/02/2016	Hartlepool	0	Reactor 1 manually shutdown due to oil ingress into the reactor ancillary cooling system
01/03/2016	Sizewell B	0	Unplanned inoperability of power operated relief valve due to incorrect spare delivery
02/03/2016	Dungeness B	0	Minimum safety manning required by site emergency plan not met
03/03/2016	Dungeness B	0	Automatic reactor trip due to low de-aerator level, as a consequence of a transient in the condensate system
03/03/2016	Sizewell B	0	Control room ventilation isolation activated by spurious signal
08/03/2016	Dungeness B	0	Nitrogen injection pumps 22 and 24 not available
09/03/2016	Heysham 1	0	Units 1 & 2 deloaded due to exceptionally low tide
10/03/2016	Torness	0	Unplanned entry into technical specification action condition on reactor power limit
16/03/2016	Hunterston B	0	Decay heat condenser extraction pump leak off orifice not refitted during maintenance
17/03/2016	Dungeness B	0	Reactor 2 manually tripped following a large ingress of herrings
17/03/2016	Torness	0	Reactor 2 manually tripped following a feed perturbation caused by wiring being disturbed
17/03/2016	Dungeness B	0	A spec of contamination was found near the Nitrogen Vapouriser plant

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
18/03/2016	Hartlepool	0	Maintenance not completed as expected on reactor ancillary cooling water system
18/03/2016	Dungeness B	0	Incorrect valve position identified
18/03/2016	Hartlepool	0	Valve found to be shut and not connected to the actuator which indicated it was open
20/03/2016	Heysham 2	0	Reactor pressure trip setting found to be marginally higher than set out in the technical specification
23/03/2016	Torness	0	Post-trip sequencing Equipment (PTSE) plant configuration error
26/03/2016	Hinkley Point B	0	Reactor 3 automatic reactor trip due to generator transformer protection operating
30/03/2016	Hartlepool	0	Reactor manually shutdown to allow reconnection of a repaired boiler
31/03/2016	Torness	0	Post trip sequencing equipment thermocouple found to be incorrectly wired
07/04/2016	Hartlepool	NR	Administrative security issue
07/04/2016	Dungeness B	0	Inconsistency between channel gag position and control system reading
08/04/2016	Hunterston B	0	Enhanced activity in internal borehole
13/04/2016	Torness	1	Deviation from operating instruction reduced availability of automatic protection on fuel handling cell hoist No actual consequences
15/04/2016	Dungeness B	0	Vessel cooling plant found in unexpected condition
20/04/2016	Hartlepool	0	Reactor manually tripped due to fault with deaerator level controller
22/04/2016	Sizewell B	NR	New radiation hot spot detected on refuelling cavity drain pipework during routine checks
24/04/2016	Hunterston B	0	Abnormal load trace during loading of fuel assembly
25/04/2016	Dungeness B	0	Shortfall in emergency scheme manning levels
02/05/2016	Dungeness B	0	Shortfall in emergency scheme manning levels
03/05/2016	Dungeness B	0	Reactor manually tripped due to main boiler feed pump fault
09/05/2016	Sizewell B	0	Control room ventilation isolation activated by spurious signal
09/05/2016	Heysham 1	0	Valves found in incorrect position
12/05/2016	Hartlepool	0	A CO2 filling route found to be unavailable due to switch misalignment
14/05/2016	Sizewell B	0	Two gaps identified in the main control room weekly surveillance procedure
14/05/2016	Hunterston B	0	R4 auto control fault
14/05/2016	Dungeness B	0	Unplanned unavailability of CO2 vaporisers
15/05/2016	Sizewell B	0	Incorrect value recorded on compliance procedure
18/05/2016	Sizewell B	0	Unexpected secondary containment isolation
26/05/2016	Heysham 1	0	Fault not properly recorded in an action tracking log
01/06/2016	Torness	0	Emergency lighting not operating as expected
03/06/2016	Heysham 1	0	Low pressure in pressure vessel cooling water system due to low tides
10/06/2016	Sizewell B	0	Control room ventilation isolation activated by spurious signal
12/06/2016	Sizewell B	0	Unplanned Emergency Charging initiation
12/06/2016	Sizewell B	0	Unplanned Emergency Charging initiation
13/06/2016	Heysham 2	0	Flask transport anomaly
14/06/2016	Hinkley Point B	0	Reactor 3 controlled shutdown due to generator radial stalk fault
15/06/2016	Sizewell B	0	Control room ventilation isolation activated by spurious signal
20/06/2016	Sizewell B	0	10 MWe Load Transient on Turbine Generator 2
21/06/2016	Hartlepool	NR	Inadequate site public address system performance
24/06/2016	Sizewell B	0	Chiller removed from service for defect maintenance without being declared inoperable
26/06/2016	Hinkley Point B	NR	Reactor manually tripped following indications of suspected fault with the generator AVR
01/07/2016	Torness	0	Reassess safety case assumptions about time taken to restore off site supplies in the event of a grid black out
03/07/2016	Heysham 1	0	Valve found in unexpected position
06/07/2016	Torness	0	Trend in Emergency Pagers not responding
08/07/2016	Heysham 2	0	Valve found in unexpected position
08/07/2016	Hartlepool	0	Plant configuration misalignment for incoming electrical supply to pressure vessel cooling water pumps
12/07/2016	Hunterston B	0	Reassess safety case assumptions about time taken to restore off site supplies in the event of a grid black out
12/07/2016	Heysham 1	1	Low boiler feed-flow differential pressure transmitter trip setting found to have drifted out of tolerance
20/07/2016	Heysham 1	0	Plant unavailability not recorded appropriately
20/07/2016	Hartlepool	0	Plant incorrectly configured
21/07/2016	Hartlepool	0	Late identification of required maintenance in station plan
21/07/2016	Heysham 1	0	Failed fuel detected in reactor 2
22/07/2016	Hartlepool	0	Safety case anomaly for phase imbalance faults
23/07/2016	Torness	0	Unit 2 400KV intertrip system faults
23/07/2016	Hunterston B	0	Reactor manually tripped due to generator seal oil system
29/07/2016	Dungeness B	0	Fire insulation cladding missing from additional feed water system line
29/07/2016	Sizewell B	0	Loss of lighting in the fuel building
31/07/2016	Heysham 1	0	Flask handling crane track girder defect
01/08/2016	Hinkley Point B	0	Reactor manually tripped following loss of condenser vacuum after vacuum maintaining unit fault
03/08/2016	Dungeness B	0	Incorrect application of an interlock defeat
04/08/2016	Hunterston B	0	Defect found in gas circulator
05/08/2016	Dungeness B	0	Low pressure boiler alarms not functioning correctly
09/08/2016	Hartlepool	0	Gas circulator depressurised start equipment not correctly aligned
09/08/2016	Hartlepool	0	Safety case anomaly with boiler closure unit shim gaps

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
10/08/2016	Hunterston B	0	Diesel over speed switches set incorrectly
12/08/2016	Hartlepool	0	Unable to complete testing on low pressure back up cooling pump
16/08/2016	Heysham 2	NR	Late submission of July 2016 Euratom returns due to an administrative error
16/08/2016	Sizewell B	0	Essential diesel generator crane not in its seismic storage position
18/08/2016	Hartlepool	0	Number of areas of the pressure vessel cooling water system pipework observed without its lagging being in place
28/08/2016	Hunterston B	0	Valve found in incorrect position
29/08/2016	Torness	0	Fault with control rod drive control during low power refuelling
30/08/2016	Sizewell B	0	Inoperability of a steam generator blowdown radiation monitor
31/08/2016	Torness	0	Administrative deficiency with maintenance testing programme on control floor inserts
06/09/2016	All EDF Energy sites	0	Failure of Vodapage network
06/09/2016	Hartlepool	0	Unit transformer cable box fault
11/09/2016	Hartlepool	0	Fire on the high pressure back-up cooling pump
11/09/2016	Hinkley Point B	0	Loss of external telephone system
14/09/2016	Hartlepool	0	Feedwater flow transmitter fault
14/09/2016	Hunterston B	0	Automatic reactor trip following stator cooling water system protection operation
15/09/2016	All EDF Energy sites	0	Pager and telephone emergency notification system inoperable
16/09/2016	Dungeness B	1	Safety case anomaly
16/09/2016	Dungeness B	0	Raised pH level in fuel pond
27/09/2016	Torness	0	Hardwire alarm found inhibited
29/09/2016	Torness	0	Radioactive materials consignment administrative deficiency
30/09/2016	Hartlepool	0	Automatic reactor trip following chloride ingress protection operation
02/10/2016	Hunterston B	0	Operational alert due to 50v battery chargers out of service
03/10/2016	Sizewell B	0	Human performance error - incorrect switch operated
03/10/2016	Sizewell B	0	Unplanned activation of reserve ultimate heat sink system due to low essential service water flow
11/10/2016	Heysham 1	0	Transport consignment administrative deficiency
11/10/2016	Dungeness B	0	Safety case anomaly
12/10/2016	Sizewell B	0	Valve misalignment on clean air trains system pressure indication
13/10/2016	Hunterston B	0	Fault with fuel flask transporter
14/10/2016	Heysham 2	0	PA system loudspeakers inoperable
17/10/2016	Sizewell B	0	Control room ventilation isolation activated by spurious signal
18/10/2016	Heysham 2	0	Instrumentation fault
27/10/2016	All EDF Energy sites	0	Pager and telephone emergency notification system inoperable
03/11/2016	Sizewell B	0	Valve found to be in the incorrect alignment
07/11/2016	Sizewell B	0	Unplanned activation of reserve ultimate heat sink system due to partial strainer blockage
16/11/2016	Sizewell B	0	Shortfall in emergency scheme manning levels due to sickness
22/11/2016	Hinkley Point B	1	Fire on 415V AC essential services board, dealt with by local fire team
22/11/2016	Torness	0	Unplanned automatic trip on reactor 1 due to marine ingress
27/11/2016	Dungeness B	0	Reheat drain valves in incorrect state
30/11/2016	Hartlepool	0	Indication of failed fuel in reactor 1 following shutdown
02/12/2016	Hartlepool	0	Pressure vessel cooling water system 1C found to have some lagging missing
04/12/2016	Dungeness B	0	Late entry to technical specification action condition by approx 12 hours
06/12/2016	Heysham 1	0	Emergency response actions not undertaken as expected
07/12/2016	Heysham 2	0	Elevated hydrogen levels following battery charging
08/12/2016	Dungeness B	0	Safety case anomaly identified with boiler header weld assessment
12/12/2016	Torness	0	Fault finding and fuel movement without communication with the control room supervisor
12/12/2016	Sizewell B	0	Five small defects found in principal fire barrier seals
13/12/2016	Dungeness B	0	Error in pond decay heat assessment
15/12/2016	Heysham 1	0	Loss of supplies to short break transformer
16/12/2016	Heysham 1	0	Plant item unavailability not correctly tracked
19/12/2016	Dungeness B	0	Plant drawings did not include new valve
25/12/2016	Dungeness B	0	Shortfall in emergency scheme manning
26/12/2016	Sizewell B	0	Shortfall in emergency scheme manning
29/12/2016	Hinkley Point B	0	Challenges to availability of station transformer 3 and reactor 3 start and standby boiler feed pumps
31/12/2016	Dungeness B	0	Manual shut down of reactor 22 due to main boiler feed pump vibrations
31/12/2016	Hinkley Point B	0	Fault with single control rod drive control
31/12/2016	Sizewell B	0	Misalignment of an air supply valve
12/01/2017	Dungeness B	0	Shortfall in emergency scheme manning
13/01/2017	Heysham 2	0	Reactor 1 manually shutdown due to the failure of a turbine generator overspeed bolt.
26/01/2017	Dungeness B	1	Safety case anomaly identified relating to temperature qualification of the superheater safety relief valves
30/01/2017	Sizewell B	0	Control room ventilation isolation activated by spurious signal
30/01/2017	Hunterston B	0	Safety case anomaly
31/01/2017	Dungeness B	0	Valve misalignment on additional feed system to boiler
01/02/2017	Hunterston B	0	Safety case anomaly

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Event Date	Site	INES Rating	Event Title
02/02/2017	Dungeness B	0	Safety case anomaly relating to a seismic transient not assessed
06/02/2017	Dungeness B	0	Burst cartridge detection trolley not fully operational
07/02/2017	Sizewell B	0	Flow switch incorrectly set-up on a cooling fan
21/02/2017	Dungeness B	0	Manual CO2 in air sampling did not take place for one day
22/02/2017	Dungeness B	0	Shortfall in maintenance schedule testing
02/03/2017	Dungeness B	0	Boiler control valve failed following water ingress from a storm damaged roof
04/03/2017	Sizewell B	0	Control room ventilation isolation activated by spurious signal
05/03/2017	Sizewell B	0	Control room ventilation isolation activated by spurious signal
08/03/2017	Torness	0	Shortfall in emergency scheme manning
13/03/2017	Hinkley Point B	0	Reactor 4 manually tripped following a vacuum transient in the turbine main condenser
14/03/2017	Dungeness B	0	Plant equipment isolated in error
16/03/2017	Hunterston B	0	A single control rod was unintentionally scrambled following the lost of clutch supplies
17/03/2017	Hunterston B	0	Automatic reactor trip due to low fire resistant fluid pressure following a leak
21/03/2017	Hinkley Point B	0	Reactor 4 manually tripped following a significant steam leak on a flanged joint
23/03/2017	Dungeness B	1	Safety case anomaly on the seismic integrity of an auxiliary cooling water pipe due to corrosion.
27/03/2017	Torness	0	Administrative deficiency relating to a radioactive consignment database
04/04/2017	Heysham 1	1	Significant leak from fixed jet fire system
06/04/2017	Hinkley Point B	0	Reactor 4 controlled shutdown following boiler feed difficulties during start up
07/04/2017	Dungeness B	0	Valve found to be misaligned
07/04/2017	Hartlepool	0	Fire on the high pressure back-up cooling pump
10/04/2017	Hinkley Point B	0	Administrative deficiency as plant state not formally recorded
18/04/2017	Torness	0	Reactor 2 manually tripped following loss of steam flow through the turbine
21/04/2017	Hartlepool	0	Corrosion detected on the high pressure back-up cooling tank
03/05/2017	Heysham 1	0	Administrative deficiency with regards to an empty radioactive package
04/05/2017	Sizewell B	0	Water leak into the residual heat removal heat exchanger rooms
07/05/2017	Sizewell B	0	Control room ventilation isolation activated by spurious signal
08/05/2017	Heysham 1	0	Shortfall in emergency scheme manning
10/05/2017	Dungeness B	1	Flask found with de-torqued lid bolts at Sellafield.
11/05/2017	Sizewell B	0	Safety relief valve partly misaligned
11/05/2017	Heysham 2	0	Non-compliance with the prescribed lifting arrangements
16/05/2017	Heysham 2	0	Unplanned automatic trip on reactor 7 during reactor safety system testing
17/05/2017	Hartlepool	0	During a weekly test, duty emergency team members were unable to acknowledge message receipt via the automated method
18/05/2017	Heysham 2	0	Gas blowdown technical specification non conformance
24/05/2017	Heysham 2	0	Minor fire in the station garages caused by a battery charger
28/05/2017	Sizewell B	0	Safety feature actuation caused by a spurious alarm
29/05/2017	Sizewell B	0	Instance of the asset management database not being aligned with approved and actual plant configuration
01/06/2017	Heysham 1	0	Administrative deficiency as action tracking log not updated
01/06/2017	Sizewell B	0	Notification received from the OEM of the potential for defects to develop on a pump impeller
02/06/2017	All EDF Energy sites	0	Very low levels of contamination detected on the outside of a fuel flask
07/06/2017	Hunterston B	0	Anomaly noted during the build of a new fuel assembly
08/06/2017	Hinkley Point B	0	Fuel machine hoist post maintenance finding
08/06/2017	Hunterston B	0	Misalignment of the gas circulator labyrinth vent iodine filters
12/06/2017	Hartlepool	0	Diesel discharged on the high pressure back-up cooling pump
09/07/2017	Dungeness B	0	Station transformer tripped due to a fault with a main motor on the gas circulator
13/07/2017	Hinkley Point B	0	Administrative deficiency in record keeping regarding threaded fasteners
13/07/2017	Hunterston B	0	Fault on the station electrical supplies
01/08/2017	Heysham 1	0	Rainwater entered reactor basement
03/08/2017	Heysham 2	0	Reactor 7 automatically tripped due to main boiler feed pump fault
09/08/2017	Dungeness B	0	Reactor 22 automatically tripped due to the incorrect positioning of a valve
10/08/2017	Hunterston B	0	Internal safety doors did not meet expected conditions
14/08/2017	Heysham 1	0	Valve found to be misaligned
15/08/2017	Sizewell B	0	External phone line not working
19/08/2017	Torness	0	Fuelling machine brake response time insufficient
04/09/2017	Dungeness B	0	Safety case anomaly identifying potential for reduced nitrogen injection temperatures
06/09/2017	Sizewell B	0	Controller fault on the auxiliary steam pressure control valve
15/09/2017	Dungeness B	0	Previous reactor power monitor exchanges had been carried out at the wrong temperature
20/09/2017	Dungeness B	0	Reactor 21 was manually shutdown following unexpected increases in boiler gas outlet temperatures
22/09/2017	Sizewell B	0	Valve found in incorrect position
26/09/2017	Dungeness B	0	Reactor 21 was manually shutdown due to water ingress
29/09/2017	Dungeness B	0	Safety case anomaly relating to buffer store cooling
05/10/2017	Dungeness B	0	Emergency scheme staff were unaware of a system defect and the need to obtain data from an alternative source
08/10/2017	Sizewell B	0	Maintenance deficiency resulted in automatic safety features being activated
11/10/2017	Dungeness B	0	Reactor 21 was manually shutdown due to a foreign material blockage
15/10/2017	Heysham 1	0	Pump rotating in the incorrect direction was unable to perform its required duty
19/10/2017	Hinkley Point B	0	Reactor 3 was manually shutdown in order to repair a busbar joint

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Event Date	Site	INES Rating	Event Title
26/10/2017	Heysham 2	0	Routine checks were completed using an incorrect trolley that was undergoing maintenance testing
31/10/2017	Hunterston B	0	Valve was not performing its function
03/11/2017	Hunterston B	0	Shortfalls in maintenance job instructions and training identified during outage
04/11/2017	Sizewell B	1	Boric acid leak in the vicinity of the steam generator channel head drain line
08/11/2017	Sizewell B	0	Plant operation undertaken without referring to the correct records
09/11/2017	Hunterston B	0	Contamination detected on irradiated fuel transport flask during arrival survey at Sellafield
14/11/2017	Heysham 1	0	Contamination detected on irradiated fuel transport flask during arrival survey at Sellafield
22/11/2017	All EDF Energy sites	0	Incorrect spare components identified on spent fuel flasks
23/11/2017	Sizewell B	0	Unexpected plant operation following a temporary loss of electrical supplies
26/11/2017	Heysham 1	1	Reactor 2 automatic shutdown due to a 3.3kV cable fault on the unit auxiliary transformer
08/12/2017	Dungeness B	0	Reactor 22 manually shutdown due to a plug failure
08/12/2017	Hinkley Point B	0	Charge hall roof cladding and insulation came loose due to high winds
09/12/2017	Dungeness B	0	Reactor 21 manually shutdown due to heat damaged cables
11/12/2017	Hartlepool	0	Low temperatures caused issues with an oil tank level transmitter
19/12/2017	Hinkley Point B	0	Work on plant conducted without notifying all affected parties
21/12/2017	Hinkley Point B	0	Work on plant conducted without notifying all affected parties
22/12/2017	Dungeness B	0	Reactor 21 automatically shutdown due to the failure of a spring
28/12/2017	Dungeness B	1	Safety case anomaly relating to boiler tube leak safety case
05/01/2018	Hinkley Point B	0	Pressure fluctuations in the CO2 ring main caused the charge machine emergency cooling system to be initiated to provide CO2 during low load refuelling
05/01/2018	Hunterston B	0	Reactor 3 automatically tripped following an electrical fault
10/01/2018	Sizewell B	0	Switch to back-up plant following a blockage during a planned changeover
13/01/2018	Hartlepool	0	Reactor 2 manually shutdown to repair a valve failure
14/01/2018	Sizewell B	0	Plant modification declared operable prior to full justification being in place
23/01/2018	Hinkley Point B	0	Shortfall in emergency scheme manning
23/01/2018	Hunterston B	0	Reactor 3 automatically tripped following an electrical fault in the control system
26/01/2018	Dungeness B	0	Reactor 21 manually tripped due to low superheater levels within the boilers
29/01/2018	Hunterston B	0	Administrative deficiency in not updating operations manual
30/01/2018	Torness	0	Reactor 2 automatically tripped following switching operations that inadvertently cut essential power supplies
30/01/2018	Dungeness B	0	Maintenance not completed in the correct work window
06/02/2018	Heysham 1	0	Procedural deficiency in the arrangements for the monitoring of contamination
08/02/2018	Heysham 1	0	Fuel boxes received at Sellafield with insufficiently tightened fasteners
13/02/2018	Heysham 2	0	A change to plant configuration did not follow agreed process
15/02/2018	Dungeness B	0	Procedure not followed in full, resulting in a thermocouple rejection
24/02/2018	Hartlepool	0	Reactor 2 automatically tripped during switching operations when supply was lost to the main boiler feed pump.
01/03/2018	Sizewell B	0	Main isolator for power supplies to panel heaters found in the incorrect position
05/03/2018	Heysham 1	0	Faulty operation of a safety relief valve on the CO2 plant
08/03/2018	Heysham 2	0	Reactor 8 automatically tripped following the spurious closure of a valve
12/03/2018	Sizewell B	0	Low level radioactive waste container not properly vented
15/03/2018	Hartlepool	0	Incorrect configuration of controls on a pump
19/03/2018	Torness	0	One quadrant tripped following inadvertent human contact with an interlock key
22/03/2018	Hartlepool	0	Reactor 1 manually tripped during turbine run-up following chloride ingress
22/03/2018	Hunterston B	0	Valve found to be misaligned
23/03/2018	Hunterston B	0	During routine inspections a higher level of graphite brick cracking was discovered, resulting in a conservative decision to keep the unit shutdown for further investigation and analysis.
27/03/2018	Dungeness B	0	Administrative deficiency with regards to a modification process
31/03/2018	Hinkley Point B	0	Valve found to be in an incorrect position
06/04/2018	Dungeness B	1	Pipework and supports associated with the buffer store back-up cooling water system found to be corroded
12/04/2018	Hinkley Point B	0	Safety case anomaly relating to the decay heat system
16/04/2018	Hunterston B	1	Defective weld on the decay heat system
01/05/2018	Torness	0	Reactor 1 automatically tripped following inadvertent loss of electrical supply during switching operations
03/05/2018	Hartlepool	0	Non adherence to procedure whilst the reactor was in a shutdown state
07/05/2018	Sizewell B	0	Plant item in a non standard configuration
10/05/2018	Heysham 2	0	Unqualified equipment fitted to safety case claimed plant
01/06/2018	Hinkley Point B	0	Misalignment of thermocouple cabling
05/06/2018	Heysham 1	0	Fire on a telecomms battery charger
07/06/2018	Hinkley Point B	0	Unexpected radioactive material brought to site by an external courier
11/06/2018	Dungeness B	0	Plant equipment isolated in error
15/06/2018	Heysham 1	0	Non compliance with pressure system safety regulations
29/06/2018	Dungeness B	0	Faulty equipment led to an incorrect control rod position
04/07/2018	Torness	0	Reactor 2 manually tripped following the spurious opening of a valve
12/07/2018	Heysham 1	0	Gas circulator tripped on shutdown unit.
13/07/2018	Dungeness B	0	Safety case anomaly associated with dropped fuel
13/07/2018	Dungeness B	0	Safety case anomaly relating to tie bar failure probabilities

Events reported to the ONR by EDF Energy (01 Jan 2009 to 31 Dec 2018)			
Event Date	Site	INES Rating	Event Title
13/07/2018	Heysham 1	0	Reactor 1 tripped when completing electrical protection testing.
17/07/2018	Dungeness B	0	Reactor 21 automatically tripped following the unexpected closure of both main feed valves
17/07/2018	Sizewell B	0	Inappropriate plant operation causing a safety hazard in the water supply to auxiliary feed pumps
18/07/2018	Dungeness B	0	Incorrect configuration of the nitrogen vaporiser outlet valve.
13/08/2018	Sizewell B	0	Turbine 1 manually tripped following a leak of fire resistant fluid
13/08/2018	Sizewell B	0	A small number of fuel rods were found to have no eddy current testing records
24/08/2018	Hunterston B	0	Fuel charge machine operated incorrectly
28/08/2018	Sizewell B	0	Dry fuel store equipment incorrectly aligned
28/08/2018	Heysham 1	0	Contamination detected on irradiated fuel transport flask during arrival survey at Sellafield
02/09/2018	Sizewell B	0	Valve operated out of sequence
05/09/2018	Heysham 1	0	Valve found to be misaligned
09/09/2018	Torness	0	Reactor 1 manually tripped following the inadvertent manual closure of condenser inlet valves
19/09/2018	Dungeness B	1	Cracks identified in the main steam pipework
21/09/2018	Hinkley Point B	0	Administrative deficiency with regards to overly complex technical advice notes
25/09/2018	Torness	1	Flask found with under torqued lid bolts at Sellafield.
25/09/2018	Heysham 1	0	Unavailability of boiler strain gauges
27/09/2018	Dungeness B	0	Safety case anomaly relating to the low pressure dump steam system
03/10/2018	Hartlepool	0	Inadequate maintenance routine arrangements on a fuelling machine hose
05/10/2018	Heysham 2	0	Valve was not performing its function
15/10/2018	Dungeness B	0	Incorrect pipework supports installed
15/10/2018	Hartlepool	0	Failed fuel identified in reactor 2
17/10/2018	Hartlepool	1	Cables found to have bypassed a fire stop
19/10/2018	Dungeness B	0	Corrosion detected in pipework
22/10/2018	Hartlepool	0	Reactor 2 manually tripped following a micro governor fault
24/10/2018	Dungeness B	0	Safety case anomaly associated with fuelling machine removable shielding
29/10/2018	Hartlepool	0	Valve found to be in an incorrect position
29/10/2018	Torness	0	Valve found to be in an incorrect position
30/10/2018	Sizewell B	0	Alarm did not activate as expected
30/10/2018	Hunterston B	1	Safety case anomaly relating to the handling of irradiated fuel
08/11/2018	Dungeness B	0	Insufficient testing of the back up feed valve on return to service
06/12/2018	Hunterston B	0	Valve found to be misaligned
12/12/2018	Dungeness B	2	Loss of defence in depth due to corrosion of multiple plant systems
15/12/2018	Sizewell B	0	A spurious alarm resulted in the temporary loss of a safety feature
18/12/2018	Heysham 1	1	Procedural oversight resulting in a firewatcher being stood down prematurely
20/12/2018	Hinkley Point B	0	Administrative deficiency as plant state not formally recorded

Legend explaining INES ratings for level 0 - 2 and 'not rated' events

INES level	Description	Example criteria (from: http://www-pub.iaea.org/MTCD/Publications/PDF/INES2013web.pdf)
NR	Not rated	Not nuclear safety or radiological safety related and not rated. Reported to NII/ONR for other reasons (e.g. media interest)
0	No safety significance	Event rated and has no nuclear safety or radiological safety significance
1	Anomaly	Minor problems with safety components with significant defence in depth remaining
2	Incident	Significant failures in safety provisions, but with no actual consequences

Note that the full INES scale ranges from 0 to 7. There has been no event at EDF Energy locations greater than INES 2. Further information on the full INES rating scale can be found at: <http://www-pub.iaea.org/MTCD/Publications/PDF/INES2013web.pdf>