

Nuclear Safety Noncompliance Reporting Criteria (as of January 1, 2012)

Nuclear Safety Noncompliances Associated With Occurrences (DOE Order 232.2)

Consult the DOE Order for the full text of each occurrence criterion¹

Reporting Criteria Group	Subgroup	Occurrence Category and Summary Description²
1. Operational Emergencies ³	N/A	(1) Operational Emergency (2) Alert (3) Site Area Emergency (4) General Emergency
2. Personnel Safety and Health	C. Fires	(1) Fire within primary confinement/containment (2d) Self-extinguishing fires
	D. Explosions	(1) Unplanned explosion within primary confinement/containment
3. Nuclear Safety Basis	A. Technical Safety Requirement (TSR) Violations	(1) Violation of TSR/Operational Safety Requirement (OSR) Safety Limit (2) Violation of other TSR/OSR requirement (3) Violation of DSA hazard control
	B. Documented Safety Analysis (DSA) Inadequacies	(1) Positive unreviewed safety question
	C. Nuclear Criticality Safety	(1) Criticality accident (2) Loss of all valid criticality controls
4. Facility Status	A. Safety Structure/System/Component (SSC) Degradation	(1) SSC performance degradation ⁴
	B. Operations	(1) Stop Work Order from DOE (2) Actuation of Safety Class SSC (4) Facility Evacuation
5. Environmental	A. Releases	(1) Radionuclide release
6. Contamination/Radiation Control	A. Loss of Control of Radioactive Material (RAM)	(1) Offsite RAM exceeding DOE limits (2) Loss of RAM (>100X 835 App. E)
	B. Spread of Radioactive Contamination	(1) Offsite radioactive contamination ⁵
	C. Radiation Exposure	(1) Exceedance of DOE dose limits (2) Unmonitored exposure (3) Single exposure > thresholds
	D. Personnel Contamination	(1) Offsite medical assistance (2) Offsite personnel/clothing contamination (3) Onsite personnel/clothing contamination ⁶

7. Nuclear Explosive Safety	N/A	(1) Damaged nuclear explosive (2a) Introduction of electrical energy (2b) Safety feature compromise (2c) Inadvertent substitution (2d) Violation of a safety rule
10. Management Concerns/Issues	N/A	(1) Initiation of a Federal Accident Investigation (3) Near miss

Other NTS Nuclear Safety Reportable Conditions

Reporting Threshold	Notes ⁷
Programmatic deficiencies involving noncompliances	A programmatic problem generally involves some weakness in administrative or management controls, or their implementation, to such a degree that a broader management or process control problem exists and requires broad corrective actions.
Repetitive noncompliances	Two or more different events/conditions that involve substantially similar work activities, locations, equipment, or individuals.
Intentional violation or misrepresentation	Also known as willful noncompliance; may involve record falsification.
Substantiated management reprisal(s) against worker(s) for raising safety issues involving 830/835 noncompliances	Customarily referred to as worker retaliation ⁸ .

Notes to Tables

1. The simple occurrence of an event or discovery of a condition in any of the listed categories is not by itself sufficient to warrant NTS reporting. NTS reporting requires the identification of a 10 C.F.R. Part 830 or 835 (or any other nuclear safety rule) noncompliance in conjunction with the event or discovery. Contractors identifying a significant nuclear safety noncompliance (i.e., one with the potential to cause radiological harm) in association with an event/discovery type or category not listed on the table should evaluate the event for NTS reportability.
2. These summary descriptions are a brief characterization of the related criteria. Use the full statement of the criteria contained in DOE Order 232.2 to determine NTS reportability of event-related nuclear safety noncompliances.
3. Report nuclear safety noncompliances associated with any of the DOE Order 232.2 Operational Emergency categories (Operational Emergency, Alert, Site Area Emergency, General Emergency).
4. Report noncompliances associated with a degradation of Safety Class Structure, System, or

Component preventing satisfactory performance of its design function when required to be operable or in operation.

5. Report noncompliances associated with an offsite spread of contamination event where a contamination level exceeds 100 times the applicable value identified in 10 C.F.R. Part 835, Appendix D.
6. Report noncompliances associated with a personnel/personal clothing contamination where a contamination level exceeds 100 times the applicable total contamination value identified in 10 C.F.R. Part 835, Appendix D.
7. Refer to Chapter IV of the Enforcement Process Overview for more information about these types of noncompliances.
8. Worker retaliation as defined in 10 C.F.R. Part 708.