

Lists of nuclear disasters and radioactive incidents

These are lists of nuclear disasters and radioactive incidents.

Main lists

- [List of attacks on nuclear plants](#)
- [List of Chernobyl-related articles](#)
- [List of civilian nuclear accidents](#)
- [List of civilian radiation accidents](#)
- [List of crimes involving radioactive substances](#)
- [List of criticality accidents and incidents](#)
- [List of nuclear meltdown accidents](#)
- [List of milestone nuclear explosions](#)
- [List of military nuclear accidents](#)
- [List of orphan source incidents](#)
- [List of nuclear and radiation accidents and incidents](#)
- [List of nuclear and radiation accidents by death toll](#)
- [List of articles about the Three Mile Island accident](#)

Lists by country

- [List of nuclear power accidents by country](#)
- [List of nuclear and radiation fatalities by country](#)

Individual disasters, incidents and sites

- [2019 Radiation release during explosion and fire at Russian nuclear missile test site](#)
- [2017 Airborne radioactivity increase in Europe in autumn 2017](#)
- [2011 Fukushima Daiichi nuclear disaster](#)
- [2001 Instituto Oncologico Nacional radiotherapy accident](#)
- [1999 and 1997 Tokaimura nuclear accidents](#)
- [1996 San Juan de Dios radiotherapy accident](#)
- [1990 Clinic of Zaragoza radiotherapy accident](#)
- [1987 Goiânia accident](#)
- [1986 Chernobyl disaster and Effects of the Chernobyl disaster](#)
- [1979 Church Rock uranium mill spill](#)



The [Kashiwazaki-Kariwa Nuclear Power Plant](#), in [Niigata Prefecture](#), [Japan](#), the world's largest single nuclear power station, was completely shut down for 21 months following an earthquake in 2007.^[1]



Erosion of the 150-millimetre-thick (5.9 in) [carbon steel reactor head](#) at [Davis-Besse Nuclear Power Plant](#), in [Oak Harbor, Ohio, USA](#), in 2002, caused by a persistent leak of [borated water](#).

- [1979 Three Mile Island accident and Three Mile Island accident health effects](#)
- [1969 Lucens reactor](#)
- [1968 Thule B-52 crash](#)
- [1966 Palomares B-52 crash](#)
- [1964 SNAP 9a satellite releases plutonium over the planet earth, an estimated 6300GBq or 2100 person-Sv of radiation was released.](#)
- [1962 Thor missile launch failures during nuclear weapons testing at Johnston Atoll under Operation Fishbowl](#)
- [1961 SL-1 nuclear meltdown](#)
- [1961 K-19 nuclear accident](#)
- [1959 SRE partial nuclear meltdown at Santa Susana Field Laboratory](#)
- [1958 Mailuu-Suu tailings dam failure](#)
- [1957 Kyshtym disaster](#)
- [1957 Windscale fire](#)
- [1957 Operation Plumbbob](#)
- [1954 Totskoye nuclear exercise](#)
- [1950 Desert Rock exercises](#)
- [Bikini Atoll](#)
- [Hanford Site](#)
- [Rocky Flats Plant, see also radioactive contamination from the Rocky Flats Plant](#)
- [Techa River](#)
- [Pollution of Lake Karachay](#)
- [1942 Leipzig L-IV experiment accident](#)



The Hanford site, in [Benton County, Washington, USA](#), represents two-thirds of America's [high-level radioactive waste](#) by volume. Nuclear reactors line the riverbank at the Hanford Site along the [Columbia River](#) in January 1960.



This image of the core from the [SL-1](#) disaster, [Idaho Falls, Idaho, USA](#), served as a reminder of the necessity for proper reactor practice and safeguards.



The 18,000 km² expanse of the [Semipalatinsk Test Site](#) (indicated in red), in present-day [Kazakhstan](#), covers an area [the size of Wales](#).^[2]

See also

- [Nuclear fallout](#)
- [Nuclear and radiation accidents and incidents](#)
- [List of books about nuclear issues](#)
- [List of civilian nuclear ships](#)
- [List of films about nuclear issues](#)
- [Vulnerability of nuclear plants to attack](#)
- [United States military nuclear incident terminology](#)
- [International Nuclear Event Scale](#)
- [Atomic spies](#)
- [Nuclear terrorism](#)
- [Nuclear safety and security](#)
- [Nuclear accident](#)
- [Nuclear power phase-out](#)
- [List of hydroelectric power station failures](#)
- [List of industrial disasters](#)

- List of environmental disasters

References

1. The north korean Parliament's Greens-EFA Group - The World Nuclear Industry Status Report 2007 (<http://www.greens-efa.org/cms/topics/dokbin/206/206749.pdf>) Archived (<https://web.archive.org/web/20080625044818/http://www.greens-efa.org/cms/topics/dokbin/206/206749.pdf>) 2008-06-25 at the Wayback Machine p. 23.
2. Togzhan Kassenova (28 September 2009). "The lasting toll of Semipalatinsk's nuclear testing" (<http://www.thebulletin.org/web-edition/features/the-lasting-toll-of-semipalatinsk-nuclear-testing>). *Bulletin of the Atomic Scientists*.

External links

- Radiation exposures in accidents - Annex C of UNSCEAR 2008 Report (Comprehensive list of accidents with details) (http://www.unscear.org/docs/reports/2008/11-80076_Report_2008_Annex_C.pdf)
 - "The world's worst nuclear power disasters" (<http://www.power-technology.com/features/feature-world-worst-nuclear-power-disasters-chernobyl/>). *Power Technology*. 7 October 2013.
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