

Oak Ridge National Laboratory (Oak Ridge, TN) Safety Basis Report

Total Facilities: 23

Facility	Hazard Category	Safety Basis Type	Approval Status	Date Approved
3019 Complex	HC2	DSA	AUR	07/20/2012
Building 3026 D	HC3	DSA	AUR	07/17/2012
Building 3038, Isotopes Development Laboratory	HC3	DSA	AUR	05/18/2012
Building 3517, Fission Product Development Laboratory	HC2	DSA	AUR	09/01/2012
Building 7503, Molten Salt Reactor Experiment (MSRE)	HC2	DSA	AUR	05/14/2009
High Flux Isotope Reactor (HFIR)	HC1	DSA	AUR	05/18/2005
Irradiated Fuels Examination Laboratory, Bldg 3525	HC2	DSA	AUR	02/25/2004
Irradiated Materials Examination and Testing Facility, Bldg 3025E	HC3	DSA	AUR	10/20/2003
Melton Valley Solid Waste Storage Facilities (MVWSF)	HC2	DSA	AUR	03/20/2012
Melton Valley TRU Waste Processing Center	HC2	DSA	AUR	02/21/2012
On-Site Transportation of Irradiated/Unirradiated Curium and/or Nickel Targets in the SRP 25-Ton Target Tube Cask	HC2	DSA	AUR	10/23/2003
On-Site Transportation of Radioactive Materials Contained within Authorized DOE, NRC or DOE Packages	HC2	DSA	AUR	11/03/2006
On-Site Transportation of RH Waste at ORNL	HC2	DSA	AUR	04/13/2012
On-Site Transportation of Selenium Targets	HC3	DSA	AUR	05/23/2007
ORNL DOT-Compliant On-Site Transportation of Radioactive Materials	HC3	DSA	AUR	08/23/2003
ORNL Liquid Low-Level Waste Management Systems (LLLW)	HC2	DSA	AUR	05/10/2012
Radioactive Materials Analytical Laboratory, Bldg 2026	HC3	DSA	AUR	03/13/2003
Radiochemical Engineering Development Center (REDC), Building 7920	HC2	DSA	AUR	04/08/2005
Radiochemical Engineering Development Center, (REDC) Building 7930	HC2	DSA	AUR	03/03/2006
Shielded Transfer Tanks	HC3	DSA	AUR	07/20/2012
Solid Waste Storage Area 1, Hazard Assessment Document	HC3	DSA	AUR	03/12/2010
Solid Waste Storage Area 3, Hazard Assessment Document	HC3	DSA	AUR	05/14/2010
Transportation Safety Document for the On-Site Transportation of Radioactive Materials Using the Loop Cask Between Building 3525 and Building 7920	HC2	DSA	AUR	10/15/2007

Safety Basis Report current as of Feb 15, 2013

Program Office

Office of Science

Safety Basis Type

BIO – Basis for Interim Operation

DSA – Documented Safety Analysis

PDSA – Preliminary Documented Safety Analysis

Hazard Category

HC1 – Hazard Category 1 (a nuclear facility with the potential for significant off-site consequences)

HC2 – Hazard Category 2 (a nuclear facility with the potential for significant on-site consequences)

HC3 – Hazard Category 3 (a nuclear facility with the potential for only significant localized consequences)

HCR – Hazard Category Radiological (a radiological facility only)

Approval Status

AUR – Approved Under the Rule (10 CFR 830 – Nuclear Safety Management)

E – Temporary Exemption Granted

SBPA – Operating Safety Basis Pending Approval

UD – Under Development

UMR – Operating Safety Basis Pending Update to Meet the Rule