

General Glossary of Terms and Acronyms

Annually	Once every year
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASNT	American Society of Nondestructive Testing
ASTM	American Society for Testing and Materials
AWS	American Welding Society
Versa-Pac	A shipping container for the transport of Type AF radioactive materials.
CFR	U.S. Code of Federal Regulations
Containment Boundary	The components of the packaging intended to retain the radioactive material during transport.
CSI	The criticality safety index as define by the dimensionless number (rounded up to the next tenth) assigned to and placed on the label of a fissile material package, to designate the degree of control of accumulated packages containing fissile material during transport.
Decay Heat	The heat resulting from radioactive decay.
Enrichment	The percentage (by weight) of U ²³⁵ contained in the radioactive material.
FEA	Finite Element Analysis
H/X Ratio	The water-hydrogen to fissile atom ratio
(H+C)/X Ratio	The ratio of the sum of water-hydrogen atoms and the carbon atoms to the fissile atoms.
HAC	Hypothetical Accident Conditions as defined by 10 CFR 71.73.
Heterogeneous	The form of fissile material is such that discrete particles exist and the moderator material is distributed around the particles.
HEU	Highly-enriched uranium
Homogenous	The form of the fissile material is such that the moderator is mixed uniformly with it.
Hydrogenous	Containing hydrogen atoms.
ID	Inner diameter
IH	Inside Height
Insolation	Heat input by solar radiation as defined by 10 CFR 71.71.
Internal moderator	The presence of hydrogenous material in the payload vessel and mixed with the payload.
Interspersed Moderator	The presence of hydrogenous material between packages and in the payload vessel, but not mixed with the payload.
Moderation Control	Control of materials containing hydrogen.
NCT	Normal Conditions of Transport as defined by 10 CFR 71.71.
NIST	National Institute of Standards and Technology

Nominal	The design value or dimension without application of the allowable variation or tolerance.
Non-hydrogenous	Does not contain hydrogen atoms.
NRC	The U.S. Regulatory Commission
OD	Outer diameter
Package	The packaging together with its radioactive contents as presented for transport.
Packaging	The assembly of components necessary to ensure compliance with the packaging requirements of 10 CFR 71.
Plastic	A thermosetting or thermoplastic polymer
Poly	Polyethylene
Pre-packaging	Materials, not supplied as part of the Versa-Pac shipping container and not a part of the radioactive payload, that are used to limit the movement of radioactive material within the payload vessel.
RQ	Regulated Quantity
RTV	Silicone Rubber Compound
Specific Activity	The radioactivity of a radionuclide per unit mass.
Type A Package	Package used to transport a quantity of material where the aggregate radioactivity content does not exceed the Normal Form A ₂ value listed in 10 CFR 71.
Type B Package	Package used to transport more than Type A quantity of material.
UC	Uranium Carbides
UH	Uranium Hydrides
U-Metal	Uranium Metal
UNX	All forms of uranyl nitrate in crystalline or solution form, including uranyl nitrate hexahydrate, uranyl nitrate dihydrate, uranyl nitrate trihydrate and uranyl nitrate solution.
UO ₂	Uranium Dioxide
Uranium Compound	Any compound of uranium containing any combination of elements, referred to also as U _x O _y .
User	The person or entity shipping radioactive material in the package.
U _x O _y	Uranium compounds. Although the designation shows X atoms of uranium and Y atoms of oxygen, this designation is meant to represent any compound of uranium containing any combination of elements.