

SDP Public Consultation Glossary

This Glossary covers the main technical and project terms used in the consultation documents. Some documents have supplementary glossaries for more detailed technical terms.

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| Afloat Storage | Where submarines that have been taken out of service are held for long term storage in a water-filled basin i.e. a large dock where several vessels can be stored. |
| ALARP | Making sure a risk has been reduced ALARP (as low as reasonably practicable) means weighing the risk against the sacrifice needed to further reduce it. The decision is weighted in favour of health and safety. See www.hse.gov.uk/risk/theory/alarpglance.htm |
| AWE | Atomic Weapons Establishment. See www.awe.co.uk |
| CNS | Capenhurst Nuclear Services. See www.capenhurstnuclearservices.com |
| Defuel | The removal of spent (used) nuclear fuel from the submarine's reactor after it has left service. Submarines will have been defuelled before they become part of SDP and are dismantled. |
| DNSR | Defence Nuclear Safety Regulator: DNSR is a division of the Defence Safety and Environment Authority. See www.gov.uk/government/groups/defence-safety-and-environment-authority |
| EA | Environment Agency: See www.gov.uk/government/organisations/environment-agency |
| GDF | Geological Disposal Facility: an engineered, underground facility where the UK's higher activity radioactive waste will be permanently disposed of. See www.gov.uk/government/publications/implementing-geological-disposal . |
| HGV | Heavy Goods Vehicle |
| ILW | Intermediate Level Waste: Radioactive wastes exceeding the upper activity boundaries for low level waste but which do not need heat to be taken into account in the design of storage or disposal facilities. |
| Initial Dismantling | In Initial Dismantling, the RPV and other radioactive material is removed from the submarine before the hull and the remainder of the contents are taken to a licensed ship-breaker for Final Dismantling and recycling. |
| Interim Storage | Interim waste storage is not itself a disposal solution, but it provides a temporary, safe and secure environment for waste packages that are awaiting final disposal in a GDF. |
| Nuclear Licensee / Licensed Site | A Nuclear Licence allows specific nuclear activities to take place at a specific site. Such 'Licensed' sites are subject to the Nuclear Installations Act (1965), with licences being granted by the Office for Nuclear Regulation. |
| LLW | Low Level Waste: Radioactive wastes not exceeding specified levels of radioactivity. Major components of LLW include building rubble, soil and steel items from the dismantling and demolition of nuclear reactors and other nuclear facilities and the clean-up of nuclear sites. |
| LLWR | Low Level Waste Repository: The LLWR is the UK's national low level radioactive waste disposal facility, located close to the West Cumbrian coastline. The site is operated by LLW Repository Ltd on behalf of the NDA. |
| MCDA | Multi-Criteria Decision Analysis: A decision support approach which systematically compares options against a predetermined set of weighted criteria. |



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| NDA | Nuclear Decommissioning Authority: The NDA is a non-departmental public body created through the Energy Act 2004. Its purpose is to deliver the decommissioning and clean-up of the UK's civil nuclear legacy in a safe and cost-effective manner. |
| OCF | Other Contributory Factor: In the context of MOD option analysis, OCFs are generally qualitative factors not already included in the cost and effectiveness analyses. For SDP, they typically affect the likelihood of success during the planning, permitting and commercial processes. |
| ONR | Office for Nuclear Regulation: See www.onr.org.uk |
| PBO | The NDA lets contracts to take ownership of the Site Licence Companies (SLC). The winning bidders are called a Parent Body Organisation (PBO). A PBO owns the shares in a SLC for the period of the contract. The PBO provides additional resource and management expertise. See www.nda.gov.uk/what-we-do/estate |
| PSE | Public and Stakeholder Engagement |
| PWR | Pressurised Water Reactor |
| Radioactive Waste | Any material contaminated by or incorporating radioactivity above certain thresholds defined in legislation, and for which no further use is envisaged, is known as radioactive waste. |
| RPV | Reactor Pressure Vessel: The metal chamber inside a submarine's Reactor Compartment which contained the nuclear fuel. |
| SDP | Submarine Dismantling Project |
| SEA | Strategic Environmental Assessment: Assessment undertaken on certain public plans and programmes to assess potential environmental effects. |
| SEPA | Scottish Environment Protection Agency: See www.sepa.org.uk |
| Size-reduction | The term used by the nuclear industry to refer to the process of cutting-up radioactive waste into smaller pieces so that it can be packaged into containers. Size-reduction is an established process in the civil nuclear industry. |
| SLC | Site Licence Companies: The SLCs act as NDA's agents to meet the decommissioning mission under the Energy Act 2004. The NDA has ownership of the sites and assets and funds the SLCs. SLCs carry the licence granted by ONR to operate the nuclear sites. See www.nda.gov.uk/what-we-do/estate |

Online Documents

Further information and all SDP consultation documents are available at:

<https://www.gov.uk/government/publications/submarine-dismantling-project-interim-storage-of-intermediate-level-radioactive-waste>

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