

Treatment / Storage / Disposal

R&D / Innovations	site	SLC	contact	email	phone
Vault 8 @ LLW Repository	LLW Repository	LLW Repository Ltd.	Jonathan Evans	jonathan.evans@llwrsite.com	019467 22242
ID	Comments				
T13-10	The LLWR is the UK's national storage and disposal facility, located in West Cumbria. Vault 8 is the current disposal facility. It opened in 1988 and has received low level waste from around the UK for 20 years. The facility is based on the receipt of grouted ISO containers but can take some unpackaged items. It is now nearing its capacity and is due to be superseded by Vault 9 in 2009.				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Storage	LLW	general/mixed	Disposal		
	Shared	Could be shared ?	Documented	Reference	
	Yes	Yes	Yes	N/A	
	off site	facility	Capacity	% used	
	No	N/A	100,000m ³ (5,500 HHISOs)	>90% in Vault 8	
Vault 9 @ LLW Repository	LLW Repository	LLW Repository Ltd.	Jonathan Evans	jonathan.evans@llwrsite.com	LLW
ID	Comments				
T13-11	The LLWR is the UK's national storage and disposal facility, located in West Cumbria. Vault 9 is due to begin construction in 2008 and will be operational in 2009. It has been granted planning permission as a storage facility for low level waste. It is anticipated to give ten years capacity based on current levels of waste arisings. Conversion to a disposal facility is part of the site's strategy subject to the acceptance of the Post Closure Safety Case for the site.				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Storage	LLW	general/mixed	Disposal		
	Shared	Could be shared ?	Documented	Reference	
	Yes	Yes	No	N/A	
	off site	facility	Capacity	% used	
	No	N/A	100,000m ³ (5,500 HHISOs)	0	
Dounreay temporary store (D3110)	Dounreay	DSRL	John Smith	john.smith@dounreay.com	01847 896811
ID	Comments				
T8-1	Temporary store until the new Dounreay LLW Repository is available.				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Storage	LLW	general/mixed	Storage		
	Shared	Could be shared ?	Documented	Reference	
	No	No	No	N/A	
	off site	facility	Capacity	% used	
	No	N/A	00/01/1900	0.5	
Waste Receipt Assay Characterisation & Supercompaction Facility (WRACS)	Dounreay	DSRL	John Smith	john.smith@dounreay.com	01847 896811
ID	Comments				
T8-2					
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Compaction	LLW	compactable	Characterization		
	Shared	Could be shared ?	Documented	Reference	
	No	No	No	N/A	
	off site	facility	Capacity	% used	
	No	N/A	00/01/1900	1	
Residues Processing Facility (A336)	Springfields	Springfields Fuels Ltd	P Madill	Paula E Madill/Fuel/Springfields@BNFL	01772 763755
ID	Comments				
T17-1	The main site residues processing plant (A336) has been modified to accept uranic residues for dissolution in nitric acid, in order to enable extraction of uranium for use within product, or if not in specification for interim storage pending a disposal solution or future re-use opportunity. The process creates a sub-category of VLLW for disposal thereby avoiding the creation of LLW. Note that the raw residues are not currently a radioactive waste, they are categorized as a radioactive material.				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Decontamination	VLLW	general/mixed	Waste Generation		
	Shared	Could be shared ?	Documented	Reference	
	No	Yes	Yes	N/A	
	off site	facility	Capacity	% used	
	No	Residues Processing Facility (A336)	up to 4000 drums residues / yr	Full use up to 2010	
The Ore Store (A674)	Springfields	Springfields Fuels Ltd	P Madill	Paula E Madill/Fuel/Springfields@BNFL	01772 763755
ID	Comments				
T17-2	The Ore store (A674) was used to store Uranium Ore Concentrate (UOC) for processing into fuel and now stores UO3 for the same purpose together with drummed stocks of uranium residues for recovery. This store provides a weatherproof medium term storage area for the UO3, residual UOC and process residues which require processing / treatment before disposal. (Non of these materials are currently radioactive wastes, they are radioactive materials but the template does not allow this description flexibility)				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Storage	VLLW	general/mixed	Storage		
	Shared	Could be shared ?	Documented	Reference	
	No	Yes	Yes	Safety Case documents	
	off site	facility	Capacity	% used	
	No	N/A	Up to 40,000 off 200litre drums	80	
Clifton Marsh landfill	Springfields	Springfields Fuels Ltd	P Madill	Paula E Madill/Fuel/Springfields@BNFL	01772 763755
ID	Comments				
T17-3	Clifton Marsh landfill site accepts domestic / commercial waste and SFL has an RSA authorisation to dispose of general and process wastes (a VLLW subset) to the site				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Storage	VLLW	general/mixed	Disposal		
	Shared	Could be shared ?	Documented	Reference	
	Yes	Yes	No	N/A	
	off site	facility	Capacity	% used	
	Yes	Clifton Marsh, Preston	2.5M m ³ capacity to 2012	?	
Decontamination Centre (A676)	Springfields	Springfields Fuels Ltd	P Madill	Paula E Madill/Fuel/Springfields@BNFL	01772 763755
ID	Comments				
T17-4	The decontamination facilities utilise acid pickling baths to decontaminate metals for reuse on plant, recycling offsite, or disposal to landfill, thereby avoiding the generation of LLW				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Decontamination	VLLW	metallic	Decontamination		
	Shared	Could be shared ?	Documented	Reference	
	No	No	Yes	Safety Case documents	
	off site	facility	Capacity	% used	
	No	N/A	Dependant on materials processed	100	
B927 Wheel Abrator	Sellafield	Sellafield Ltd	Laurence Cook	laurence.cook@sellafieldsites.com	019764 86392
ID	Comments				
T15-1	Wheel abrasion facility for surface decontamination of carbon steel				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Decontamination	VLLW	metallic	Decontamination		
	Shared	Could be shared ?	Documented	Reference	
	No	Yes	Yes	Numerous	
	off site	facility	Capacity	% used	
	No	N/A	5000 tonnes per annum	0	
CLESA	Sellafield	Sellafield Ltd	Laurence Cook	laurence.cook@sellafieldsites.com	LLW
ID	Comments				
T15-2	CLESA on site disposal site for disposal of soils, rubble & putrescible wastes maximum radioactivity 37 Bq/g				
Treatment/Storage/Disposal	1 waste category	2 waste type	3 waste life cycle		
Storage	LLW	general/mixed	Storage		
	Shared	Could be shared ?	Documented	Reference	
	No	No	Yes	Numerous	
	off site	facility	Capacity	% used	
	No	N/A	100000	20	