



Sellafield Limited and Nuclear Waste Services Joint Waste Management Plan

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Introduction to Joint Waste Management Plans

A Joint Waste Management Plan (JWMP) is a proactive management plan for the next 5 years that has been developed by a Site License Company (SLC) in conjunction with Nuclear Waste Services. Its purpose is to demonstrate how the SLC is engaging with the National LLW Programme to improve their implementation of and compliance with the UK LLW Strategy, through the delivery of the Programme Blueprint.

This JWMP provides an overview of the waste management activities performed by an SLC over the previous financial year (section 1) and highlights the key transformational activities (section 2) to be undertaken either independently or in collaboration with Nuclear Waste Services, and other organisations. Transformational activities are those that will make a step change in SLC LLW management arrangements to deliver the National Programme Blueprint future state, and ultimately progress the organisation towards integrated waste management as described in the NDA Integrated Radioactive Waste Strategy. Section 3 provides an opportunity to identify specific step change projects that are not within the current scope of work, but which could be undertaken either if funding became available or if internal or collaborative resource could be identified to support the project. Section 4 provides a high-level summary of the information

provided in the most recent submission of the Waste Forecast Form, providing a concise summary of the volumes of waste expected to be managed, as well as the routes expected to be employed to facilitate this management over the next five-year period. A consolidated summary of the benefits that the Programme delivers is provided (section 5), which contextualises waste management in the form of three key areas:

- Cost avoidance to the UK taxpayer;
- Disposal capacity of the Repository saved; and
- Environmental benefit (i.e. CO2 avoidance).

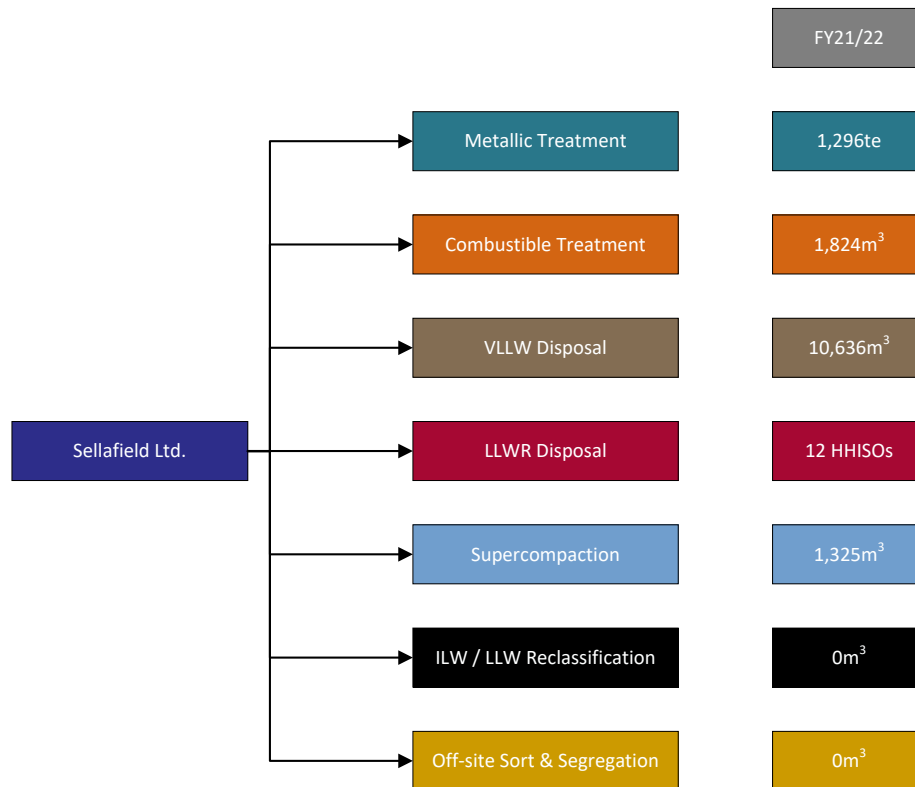
This JWMP has been agreed by senior management as a commitment to the delivery of the activities listed within. Key transformational activities will be tracked within the National Programme governance arrangements to:

- Assess performance;
- Highlight success;
- Deliver an integrated approach to dealing with the UK's LLW.

It contains activities and waste forecasts for the 5-year period of 2022/23 to 2026/27.

Section 1 – Business-as-usual Summary

1.1 FY21/22 Business-as-usual LLW management and waste flow



**Please note that these figures are as reported at end of Period 11.*

BAU LLW Management
 Sellafeld Limited operates several capabilities to re-use material, including an asset re-use function and the re-use of excavated soil/spoil. There are also several on-site LLW management capabilities to support recycling and onward waste management. These include a characterisation capability, a range of waste monitoring facilities, and facilities to support the packing and onward dispatch of waste to NWS service suppliers, directly to the supply chain and to the LLW Repository for disposal. Sellafeld Limited also operates a super-compaction plant and an on-site landfill disposal capability for lower activity wastes.



Section 2 – FY2022/23 Transformational Activities

2.1 Transformational Projects List

Transformational projects are activities to be undertaken by the SLC that will make a step change in the management of LLW. They are discrete packages of work, with defined start and end dates, which aim to introduce improvements to work practices, and deliver financial and non-financial benefits. Each transformational activity is also shown as a project on the Benefit Map in section 2.2.

It should be recognised that this is an aspirational list of transformational activities and ongoing prioritisation will be required during the course of delivery of this plan to ensure that the greatest benefit can be achieved for both Sellafield Ltd. and the National Waste Programme. Activities that are deemed priority, and therefore must be progressed within 2022/23, are marked in **bold text**.

Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
J14_01	Work with NWS to develop and implement the BAT approach for the management of 3000 drums of AGR graphite.	Management of problematic wastes and wastes at the LLW / ILW boundary is business business-as-usual.	Apr-18	TBD	Ongoing
J14_05	Develop and implement integrated approach for complete rad and non-rad characterisation of excavated wastes, including chemical properties.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Apr-18	Jan-23	Ongoing
J16_01	Overspill projects to bring online capability in support of Retrievals and high hazard risk reduction.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Sep-19	Dec-22	Ongoing
J16_02	Work with the EA and NWS to address the impact diversion is having on the management of material that is not suitable	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste	Apr-19	TBD	Ongoing



Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
	for diversion.	management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.			
J16_03	Work with NWS to identify the appropriate approach to handle the residual materials from the Floc Storage Tanks (Gravel and Clinker).	Management of problematic wastes and wastes at the LLW / ILW boundary is business-as-usual.	Jun-19	Dec-22	Ongoing
J16_04	Work with NWS to ensure that Decommissioning CHILW container (DCC), to be designed to support the management of contact handleable ILW arising from decommissioning, is also suitable for potential NWS disposal	Packaging is developed in a coordinated,cross-industry way; with standardisation introduced where appropriate. There is a flexible and resilient container fleet available for all wastes.	Apr-19	Dec-24	Ongoing
J16_06	Undertake work to improve long term inventory management, including engagement with the RWI process review programme that will be progressed post the 2019 update cycle.	Reliable and appropriate local and national inventories are available that support and underpin decision making.	Sep-18	Dec-22	Ongoing
J16_07	Develop initial site Waste Management Plan (WMP) and site-wide Environment Safety Case (SWESC) in line with the requirements of the Guidance on Requirements for Release from Radioactive Substances (GRR) Regulations.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Jan-19	Mar-23	Ongoing
J16_10	Further develop decommissioning approaches, utilising LFE from ORANO and	Waste-informed decommissioning is being practiced on large decommissioning projects across the	Mar-18	Dec-22	Ongoing



Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
	innovation from Innovate UK partners, to minimise, where practicable, the volume of ILW generated.	industry, with arrangements that can tolerate changes in waste volume. Decommissioning personnel are involved in waste management fora, learning / knowledge management structures etc. as appropriate.			
J19_01	Work with NWS to support progressing the Alpha Sort and Segregation (SAS) Active Demonstrator (AD), that is assessing the techniques to optimise the segregation of material suitable for management as LLW from the breakdown of legacy alpha crates. The AD will inform future alpha decommissioning approaches.	Waste-informed decommissioning is being practiced on large decommissioning projects across the industry, with arrangements that can tolerate changes in waste volume. Decommissioning personnel are involved in waste management fora, learning / knowledge management structures etc. as appropriate.	Jan-20	Mar-23	Ongoing
J19_02	Work with NWS to support progressing the management of LLW filters segregated from the alpha stream.	Waste-informed decommissioning is being practiced on large decommissioning projects across the industry, with arrangements that can tolerate changes in waste volume. Decommissioning personnel are involved in waste management fora, learning / knowledge management structures etc. as appropriate.	Jun-21	Dec-25	Ongoing
J19_03	Work with NWS to progress disposal of Tranche 2 of WAGR boxes that have been determined to suitable for management as LLW.	Management of problematic wastes and wastes at the LLW / ILW boundary is business-as-usual.	Sep-20	Aug-23	Ongoing
J19_04	Work with the EA and NWS to develop HHISO heterogeneity guidance relevant to	Waste management processes enable agile, efficient and effective waste flow management to support	Jan-21	Apr-23	Ongoing



Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
	High Hazard and Risk Reduction	operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.			
J19_09	Undertake further analysis to establish forward approach for managing bulk VLLW arising post filling of existing CLESA capability.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Jan-20	Sep-25	Ongoing
J19_10	Following the NWP led cross industry mis-consignment work programme, engage with the EA to produce industry guidance document and embed any relevant change within SL.	Active stakeholder engagement in the NWP with appropriate participation, including New Build and other industrial sectors as appropriate. This includes participation of these organisations in NWP stakeholder fora, projects, interventions and communications networks at a frequency and approach relevant for the organisation.	Jun-20	Dec-22	Ongoing
J19_11	Implement a new Enterprise Waste Management Platform to support the full waste management lifecycle.	Reliable and appropriate local and national inventories are available that support and underpin decision making.	Sep-20	Dec-26	Ongoing
J19_14	Develop and implement an approach to enable the incineration of asbestos contaminated material (ACM).	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Jan-22	Dec-22	Ongoing
J19_15	Work with NWS and the NDA IWMP to	Knowledge management – consignors have easy	Jun-20	Apr-23	Ongoing



Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
	develop an outline approach for the treatment of the Calder Hall heat exchangers.	access to up up-to-date information or specialist or peer advice to enable ongoing understanding and improvement of the management of waste across the lifecycle and on acceptance criteria for treatment and disposal services.			
J19_16	Work with NWS to develop approaches to provide excavation material to support the capping of Vault 8.	There is a detailed understanding of the sustainability and environmental impact of LLW management practice and arrangements; and active action is being taken to improve this.	Jun-20	Dec-22	Ongoing
J19_17	Building on from the NDA IWMP Cultural workstream define SL Waste Culture improvement programme.	Waste-informed culture is prevalent across the industry and full LLW management value chain.	Jan-21	Dec-24	Ongoing
J19_18	Support the NDA IWMP Cost Norm project to develop effective cost norms for waste management practices.	Cost norm models for LLW & boundary waste management are up to date and are subject to periodic review. Where needed, these are supported by tools and resources to facilitate their consistent application in decision making.	Ongoing		Ongoing
J19_19	Support BEIS consultation on waste management policy.	Implementation of NDA's integrated Radioactive Waste Strategy has commenced. Progress has been made on an integrated UK radioactive waste policy (paving the way for integration of UK radioactive waste strategy). The NWP has fully transitioned into the NDA IWM Programme.	Ongoing		Ongoing
J20_01	Complete Enterprise wide roll out of the new Facility Waste Generator training package.	Resourcing (including specialist resource) is resilient across the industry and supports effective waste management. Radioactive waste management	Oct-21	Oct-22	New



Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
		is regarded as a desirable career pathway. There is a cross-industry understanding of skill sets, needs, projections, issues and opportunities. Work is undertaken to mitigate risks to the waste management sector.			
J20_02	Complete training needs analysis for the 7 key waste management SQEP roles.	Resourcing (including specialist resource) is resilient across the industry and supports effective waste management. Radioactive waste management is regarded as a desirable career pathway. There is a cross-industry understanding of skill sets, needs, projections, issues and opportunities. Work is undertaken to mitigate risks to the waste management sector.	Sep-21	Mar-23	New
J20_03	Work with NWS to progress disposal of EDS drums (Phase 2).	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Dec-20	Dec-22	New
J20_04	Complete Programmatic Study to determine the best value way forward for processing and subsequent storage and disposal of pond metals.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Nov-21	Feb-23	New
J20_05	Support to the NDA IWMP Metals	There is a diverse, resilient supply chain	Ongoing		New



Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
	Programme.	infrastructure with management routes for LLW and waste at the LLW / ILW boundary.			
J20_07	Support to the NDA IWMP Culture Programme - Metrics and KPIs.	Waste-informed culture is prevalent across the industry and full LLW management value chain.	Ongoing		New
J20_08	Support to the NDA IWMP Culture Programme - Career Pathways.	Resourcing (including specialist resource) is resilient across the industry and supports effective waste management. Radioactive waste management is regarded as a desirable career pathway. There is a cross cross-industry understanding of skill sets, needs, projections, issues and opportunities. Work is undertaken to mitigate risks to the waste management sector.	Ongoing		New
J20_09	Support to the NDA IWMP Culture Programme - Virtual Mobile waste team.	Waste-informed culture is prevalent across the industry and full LLW management value chain.	Ongoing		New
J20_10	Support to the NDA IWMP Conventional Waste Management Project.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Ongoing		New
J20_11	Support to the NDA IWMP Sustainability Programme.	There is a detailed understanding of the sustainability and environmental impact of LLW management practice and arrangements; and active action is being taken to improve this.	Ongoing		New
J20_12	Support to the Nuclear Waste Services Environmental Safety Case Project.	Implementation of NDA's integrated Radioactive Waste Strategy has commenced. Progress has been made on an integrated UK radioactive waste policy	Ongoing		New



Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
		(paving the way for integration of UK radioactive waste strategy). The NWP has fully transitioned into the NDA IWM Programme.			
J20_13	Support to the NDA IWMP Containers and Packaging Programme.	Packaging is developed in a coordinated, cross cross-industry way; with standardisation introduced where appropriate. There is a flexible and resilient container fleet available for all wastes.	Ongoing		New
J20_14	Support to Near Surface Disposal Project.	Implementation of NDA's integrated Radioactive Waste Strategy has commenced. Progress has been made on an integrated UK radioactive waste policy (paving the way for integration of UK radioactive waste strategy). The NWP has fully transitioned into the NDA IWM Programme.	Ongoing		New
J20_15	Work with NWS to develop strategy for disposal of Excellox Flasks.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Ongoing		New
J20_16	Support to the NDA IWMP LLW/BILW opportunity.	There is a diverse, resilient supply chain infrastructure with management routes for LLW and waste at the LLW / ILW boundary.	Ongoing		New
J20_17	Support to the Problematic Waste IPT.	A proactive, systemised and streamlined process is used to manage non-standard, opportunity and problematic wastes.	Ongoing		New
J20_18	Support to the NDA Laser Ablation Workstream.	Management of problematic wastes and wastes at the LLW / ILW boundary is business business-as -	Ongoing		New



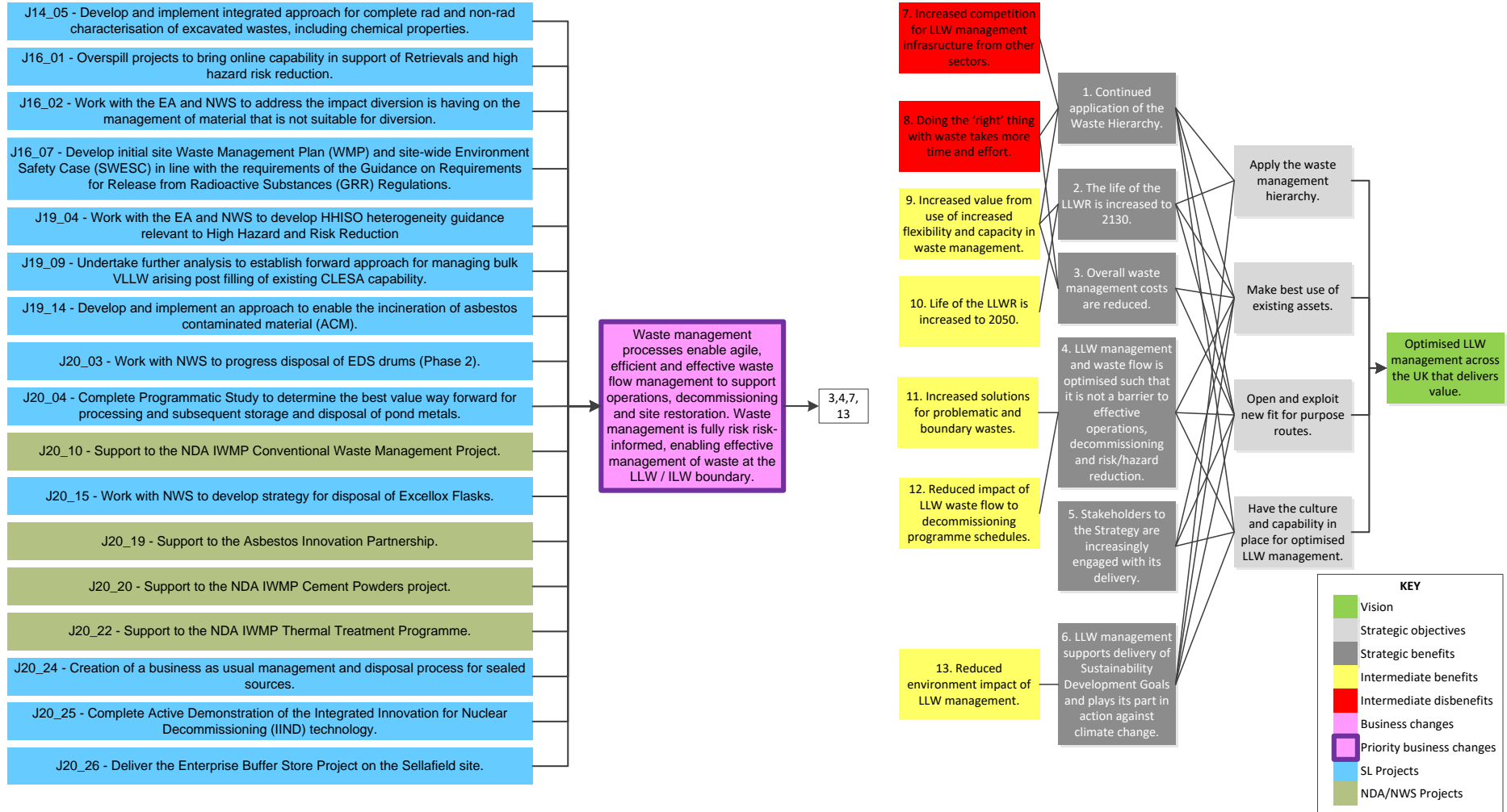
Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
		usual.			
J20_19	Support to the Asbestos Innovation Partnership.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Ongoing		New
J20_20	Support to the NDA IWMP Cement Powders project.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Ongoing		New
J20_22	Support to the NDA IWMP Thermal Treatment Programme.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Ongoing		New
J20_23	Complete Active Demonstration of the Decommissioning Waste Services Partnership.	There is a diverse, resilient supply chain infrastructure with management routes for LLW and waste at the LLW / ILW boundary.	Mar-21	Mar-22	New
J20_24	Creation of a business as usual management and disposal process for sealed sources.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Oct-21	Oct-24	New
J20_25	Complete Active Demonstration of the	Waste management processes enable agile, efficient	Jan-18	Jan-25	New

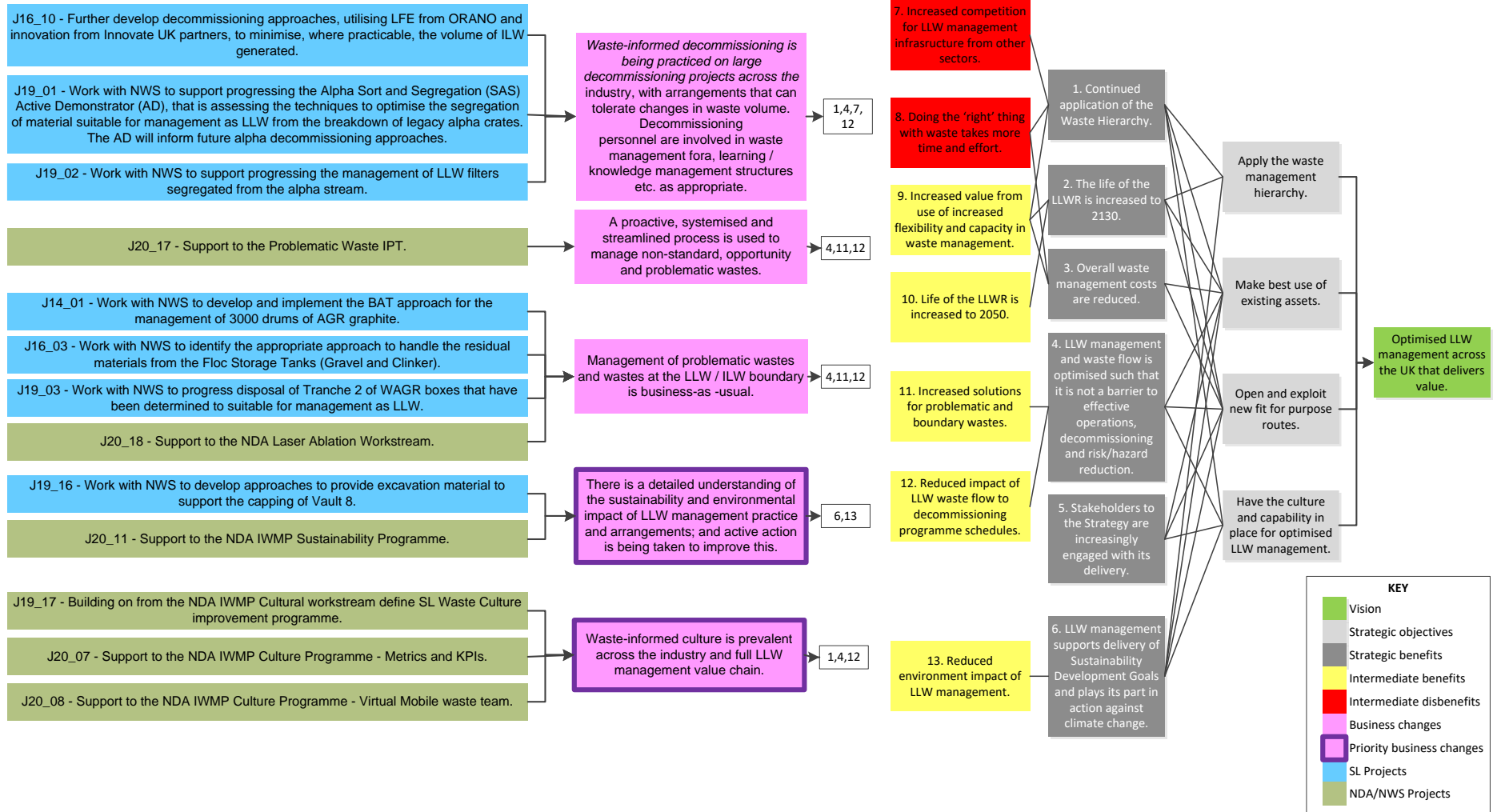


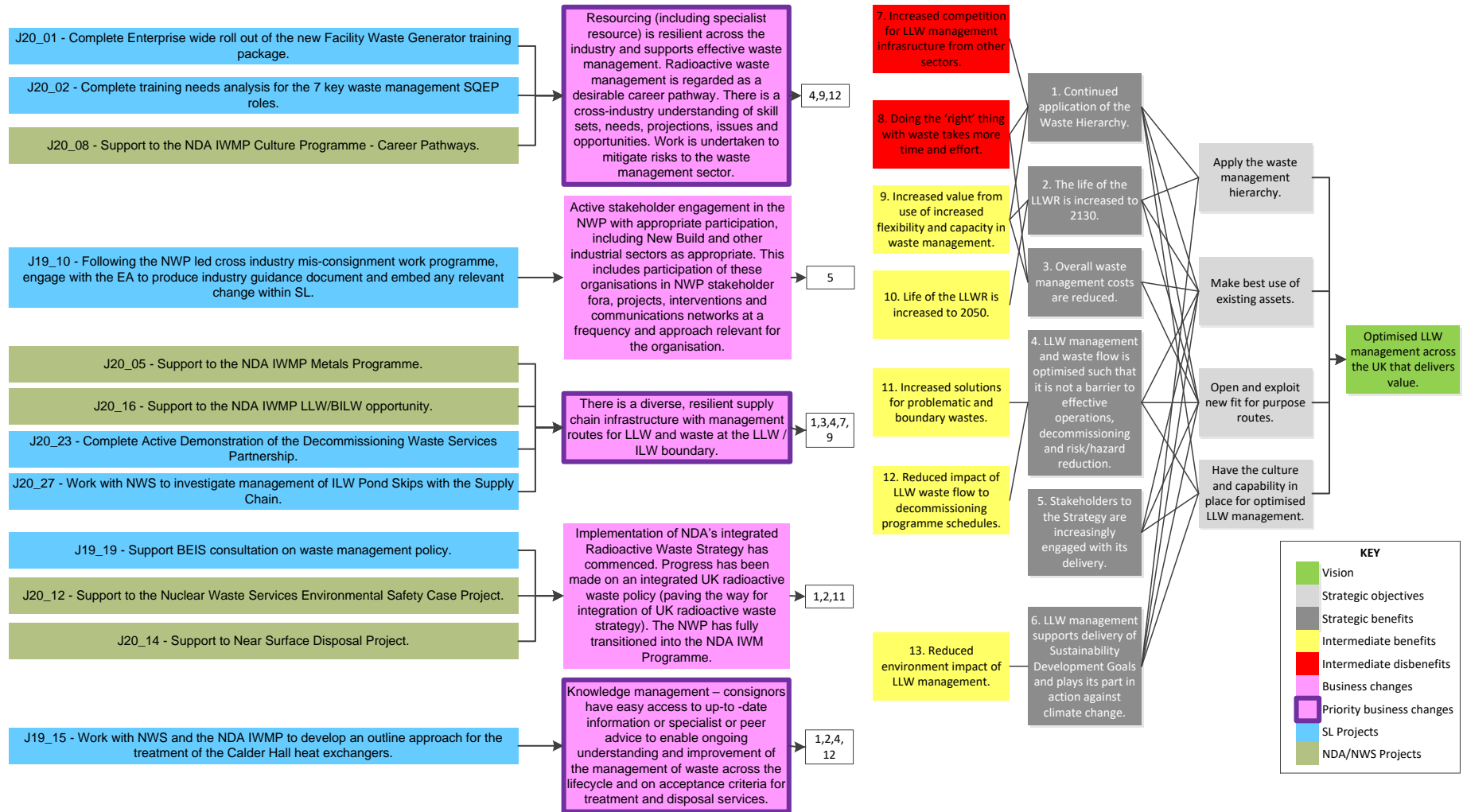
Project Number	Project Description	Contributes to the Delivery of which Business Change?	Start Date	End Date	Status
	Integrated Innovation for Nuclear Decommissioning (IIND) technology.	and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.			
J20_26	Deliver the Enterprise Buffer Store Project on the Sellafield site.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	Apr-21	Sept-24	New
J20_27	Work with NWS to investigate management of ILW Pond Skips with the Supply Chain.	There is a diverse, resilient supply chain infrastructure with management routes for LLW and waste at the LLW / ILW boundary.	Jan-22	Mar-23	New

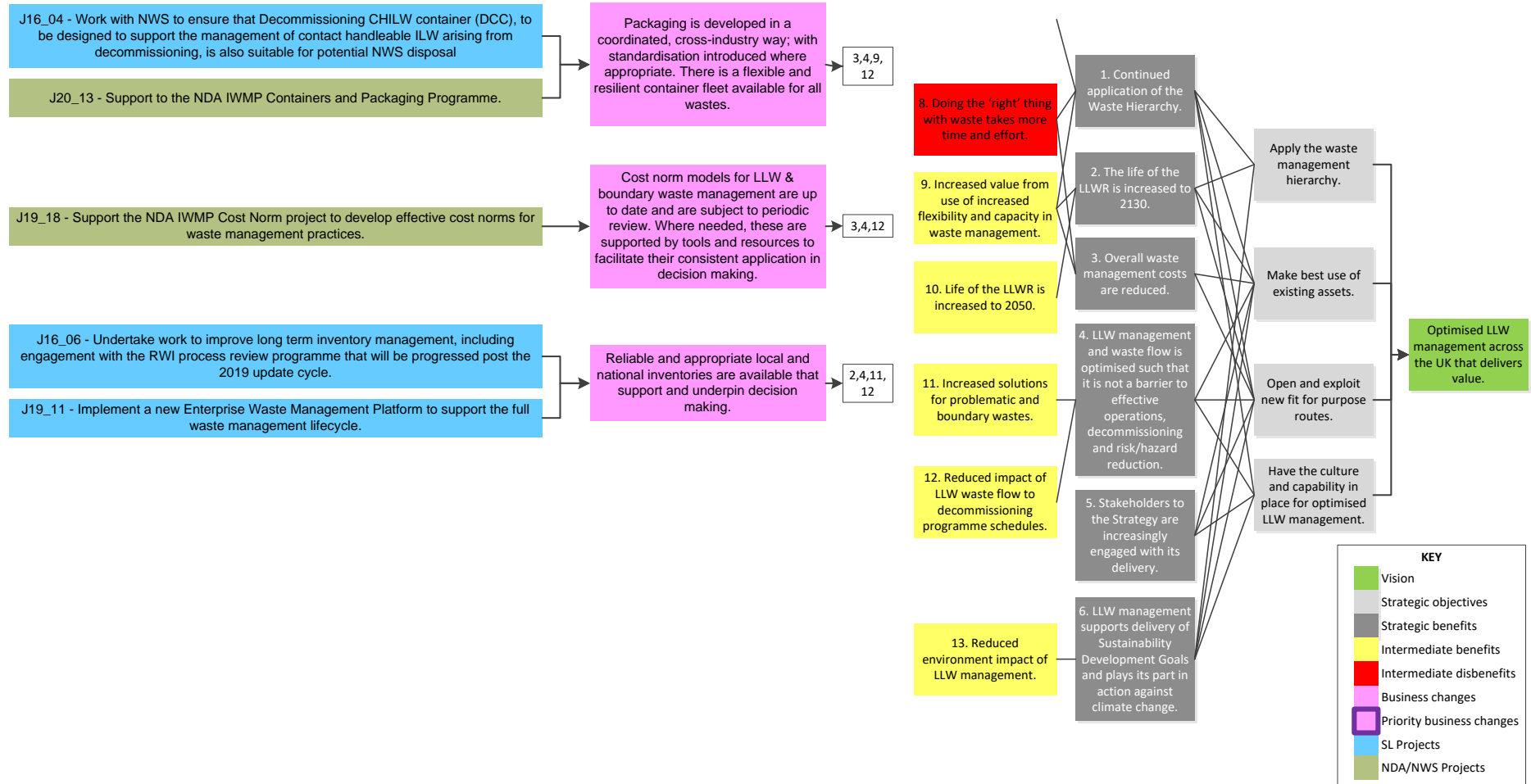


2.2 – Sellafield Ltd. and Nuclear Waste Services Benefit Map











Section 3 – Non-Resourced Opportunities

Opportunities are those specific step change projects that are not within the current scope of work but which could be undertaken either if funding became available or if internal or collaborative resource could be identified to support the project; and which would further optimise the management of LLW. These may be identified as enablers on the Benefit Map.

Opp. No.	Project Description	Contributes to the Delivery of which Business Change?	Duration	Status
J10_26	Liaise with analytical services regarding step change in using exchange columns and the disposal route.	Management of problematic wastes and wastes at the LLW / ILW boundary is business-as-usual.	TBD	Deferred due to other priorities
J19_01N	Progress LLW organics capability project study to determine capability approach to at least 2040.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary	1 Year	Scheduled to commence in FY22/23
J19_02N	Progress LLW soil/spoil capability project study to determine capability approach to at least 2040.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary	1 Year	Scheduled to commence in FY23/24
J19_03N	Progress LLW rubble capability project study to determine capability approach to at least 2040.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary	1 Year	Scheduled to commence in FY24/25



Opp. No.	Project Description	Contributes to the Delivery of which Business Change?	Duration	Status
J19_04N	Enhance waste advisor capacity to provide ILW advice.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J19_13N	Explore and trial alternative containers to enhance the flexibility of approaches for the transfer of material diverted from NWS disposal.	Waste management processes enable agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_06	Support to the NDA IWMP Culture Programme – Risk Informed Approach	Waste-informed culture is prevalent across the industry and full LLW management value chain.	TBD	Paused by NDA IWMP
J20_28N	Development of a new in-sep Waste Processing Area on the Sellafield Site.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_29N	Impementation of a LA/LLW Container Route.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities



Opp. No.	Project Description	Contributes to the Delivery of which Business Change?	Duration	Status
J20_30N	Support to the Retrievals Value Stream for scrap crushing at the Waste Monitoring and Compaction Facility.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_31N	Efficient utilisation of the WAMAC yard facility.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_32N	Implement an infectious carcass route.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_33N	Implement a Calder Desiccant Route.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_34N	Implement Tritium route including disposal of test samples.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is	TBD	Deferred due to other priorities



Opp. No.	Project Description	Contributes to the Delivery of which Business Change?	Duration	Status
		fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.		
J20_35N	Deliver the Clean / Exempt Metals Trial.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_36N	Investigate potential benefits of implementing Spoil Washing.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_37N	Implement the Remediation Sentinciong Area to D1 link.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities
J20_38N	Implement future capability for skips to segregate ILW from LLW prior interim storage with the potential for treatment where possible it would be possible to re categorise.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred due to other priorities



Opp. No.	Project Description	Contributes to the Delivery of which Business Change?	Duration	Status
J20_39N	Investigate opportunities for the treatment and disposal of high volumes of Lead.	Waste management practice enables agile, efficient and effective waste flow management to support operations, decommissioning and site restoration. Waste management is fully risk-informed, enabling effective management of waste at the LLW / ILW boundary.	TBD	Deferred as waste arisings not due until c. 2025




Section 4 – Forecast Summary

The Waste Forecast Form (WFO) is used to capture the estimated 5-year forward view of waste that is expected to be managed via the supply chain, or directly disposed to the LLW Repository. The forecast summary provides a high-level summary of the forecast waste flow and highlights the total waste volumes expected to be consigned via the various waste management routes each year.

		Year 1	Year 2	Year 3	Year 4	Year 5
Sellafield Ltd.	Metallic Treatment	1800te	1800te	1800te	1800te	1800te
	Combustible Treatment	2000m ³	2300m ³	2300m ³	2300m ³	2300m ³
	VLLW Disposal	3700m ³	2700m ³	700m ³	700m ³	700m ³
	LLWR Disposal	40 HHISOs	27 HHISOs	27 HHISOs	27 HHISOs	27 HHISOs
	Supercompaction	530m ³	530m ³	0m ³	0m ³	0m ³
	ILW / LLW Reclassification	0m ³	0m ³	0m ³	0m ³	0m ³
	Off-site Sort & Segregation	0m ³	0m ³	0m ³	0m ³	0m ³

Section 5 – Benefits Summary

This section provides a summary of the benefits expected to be delivered through execution of the transformational activities and waste management captured in the previous section.

Benefit		Commentary
	Cost avoidance	The cost avoided from managing waste via thermal treatment, metallic waste treatment, VLLW disposal or other alternative waste management route rather than disposing of the waste at the LLWR.
	Environmental benefit (CO ₂ avoidance)	The quantity of CO ₂ saved from managing waste via thermal treatment, metallic waste treatment, VLLW disposal or other alternative waste management route rather than disposing of the waste at the LLWR.
	Disposal capacity savings	The amount of space in the LLWR, in terms of the number of disposal containers avoided, from managing waste via thermal treatment, metallic waste treatment, VLLW disposal or other alternative waste management route rather than disposing of the waste at the LLWR.

