

LLWR Update

David Rossiter
Waste Services Director

Paul Pointon
Chief Executive Officer

What do we do:

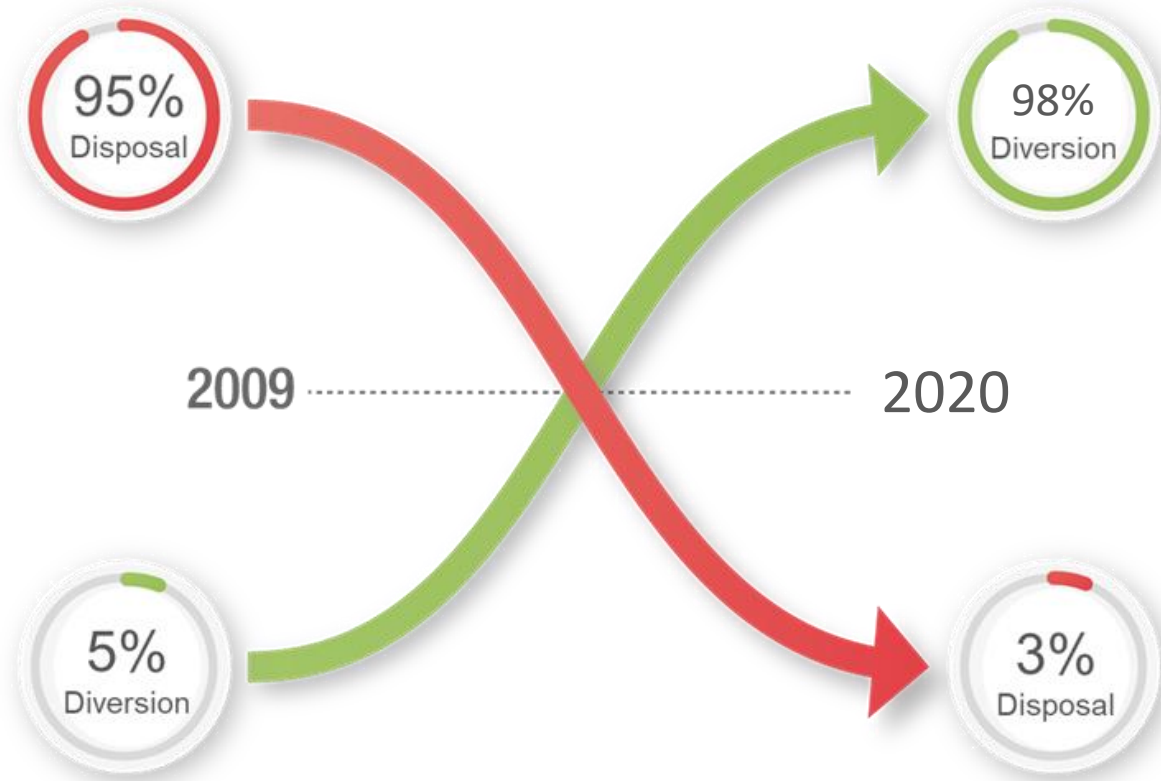
- Manage the UK's National Low Level Radioactive Waste Disposal Facility
- Lead the National Lower Activity Waste Programme
- Provide Waste Management Services to Customers



Waste Services Update

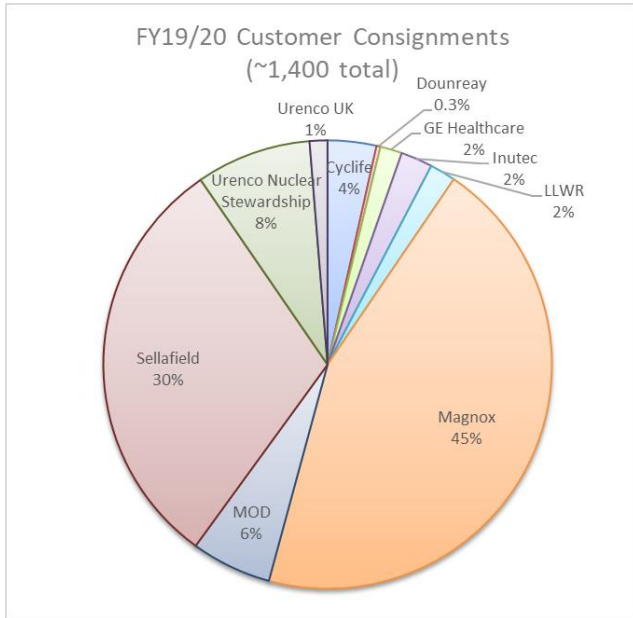
David Rossiter
Waste Services Director

Moving from disposal to diversion

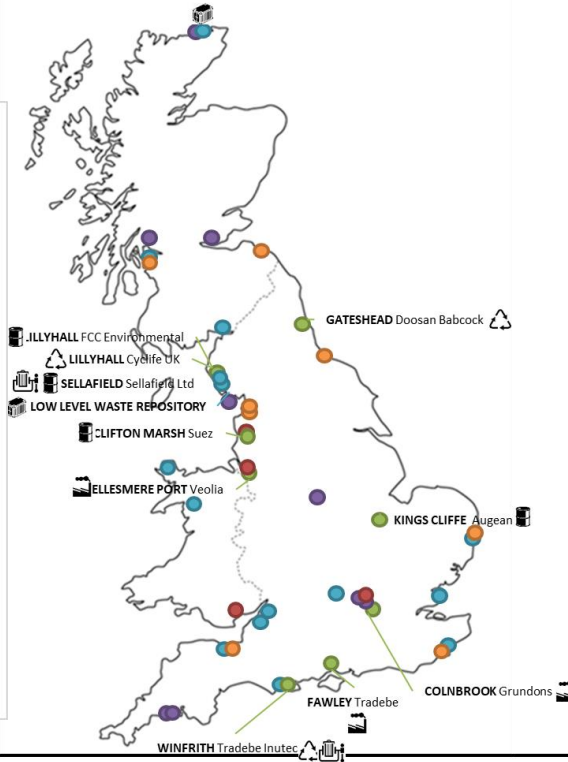
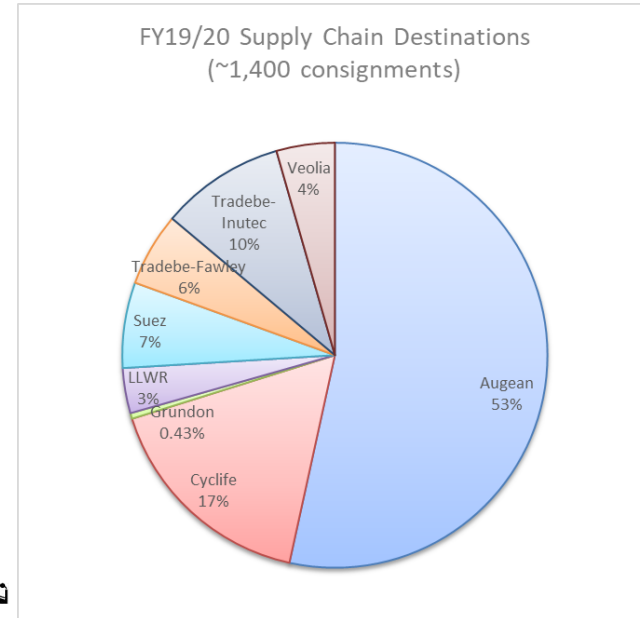


Diversification Statistics (FY19/20)

Waste Origin

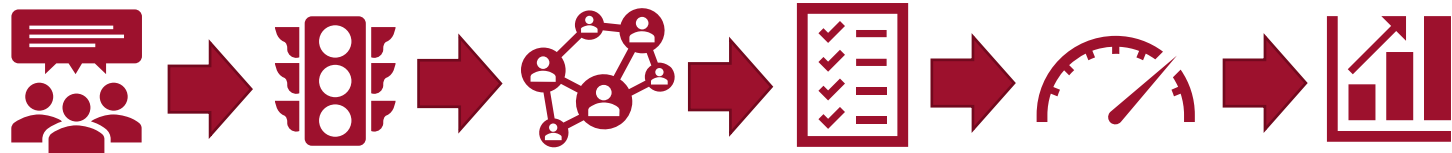


Waste Destination



KEY					
	NDA estate sites		Supply chain infrastructure sites		Supercompaction facility
	Defence and/or submarine sites (non-NDA)		Metal treatment facility		LLW disposal facility
	Chemical plants and other facilities (non-NDA)		Incineration facility		VLLW and LA-LLW disposal facility
	Nuclear power stations (non-NDA)				

Customer Restart Support



1st 'Post-COVID' NDA Group Shipments now moving

 **Magneox Limited**
@magnoxsites

This is the first consignment of radioactive waste shipped from #Wylfa Site since the site returned from its operational pause. Almost 5 tonnes of metallic waste from maintenance activities and waste clearance projects have been consigned for recycling. #DecommProgress



 **Magneox Limited**
@magnoxsites

This consignment of low-level waste from #Trawsfynydd Site has seen more than 17,600 litres of waste shipped to an environmental services site. The load contained 88 drums of combustible soft waste including wood, organics and sludge. #Decommprogress

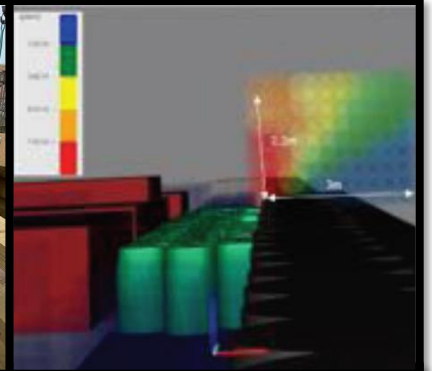
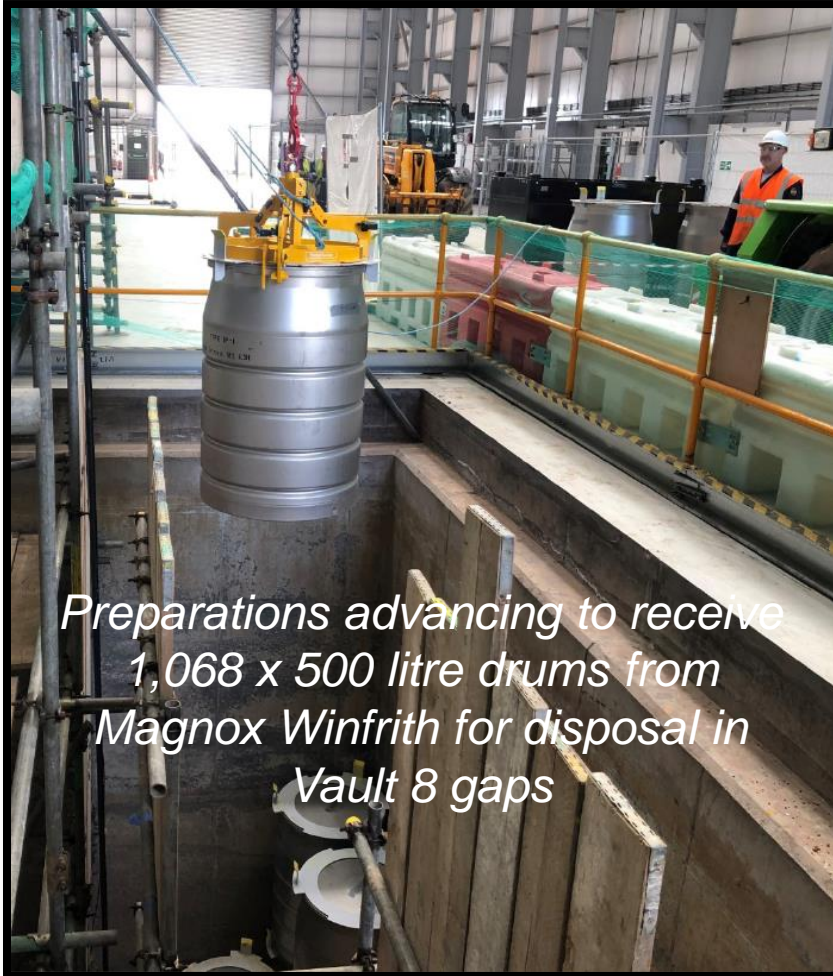


 **Sellafield Ltd**

1st Shipments of redundant Cave Windows from Sellafield



Winfrith TRS Drums Emplacement Trials



1st Effluent Tanks Removed at MoD AWE Site



Successful pilot project completed to remove two redundant effluent tanks from AWE



Scope being tendered for removal of the remaining 25 x tanks

3rd tank wrapped ready for transport in December

1st TN Gemini Delivered to Harwell



Waste Learning For Experience Hub Live

Following in 1 streams Leave group
LLWR Waste Management Services

LLWR Waste Services **Community Learning** Packaging Activity Content People Projects More ▾
Admins ▾ About

ANNOUNCEMENT [Customer Notice - 2020-024 - Metals Framework Customer-Supplier Event.pdf](#) Show Details ◀ 22 ▶

This page is for community learning and the sharing of ideas. Please feel free to post any questions you may have, (using the question box to the right of this page) or post a blog through the actions option, relevant to all aspects of the waste management lifecycle. If you have any learning from experience articles, toolbox talks or documents you would like to be shared with the wider community please contact a member of the Customer Team who will be able to assist.

Please note: any specific questions relating to waste compliance, or the acceptability of waste for treatment or disposal through any of the LLWR Waste Services must be answered through the Waste Acceptance Procedure.

This is a community page, and therefore anyone can contribute to questions, answers and blogs. LLWR therefore do not endorse any content not originated by or provided by LLWR.

COMMUNITY LIFE FY20 | 21

LFE Reference	Date added	Description
Article - 247 LFE Summary - Bradwell Transition to care and maintenance	22/06/2020	This article provides information on the key learnings captured from the Magnox Ltd Bradwell transition to Care & Maintenance (C&M) programme. The aim of this article is to enable waste producers to reflect on the key learning and good practices identified from this project to improve and enhance waste management practice.
Article - 248 LFE Summary Waste Consignment Variation Conditions Agreement in Principle	22/06/2020	This article highlights the importance of adhering to any conditions stated in a Waste Consignment Variation (WCV) or Agreement in Principle to avoid delays or rework. The brief is based on information captured from 3 issues affecting 2 consignments that were being prepared for disposal to the Low Level Waste Repository (LLWR).
Article - 249 Ignited hand sanitiser LFE	22/06/2020	This safety share relates to the ignition of alcohol based hand sanitiser. Due to the current situation with COVID-19 it was felt that this safety share was relevant to share with the wider community.
Article - 250 LLWR LFE Report	22/06/2020	The LLWR site receives and disposes of waste from customers around the UK, as well as delivering work to decommission and remediate legacy facilities on the site. An independently facilitated workshop was held with Waste Management Services and the LLWR Waste team to gather the LFE from each service used by the LLWR Waste Team (combustible, metallic, VLLW and LLW disposal). This report documents the outcomes of the workshop.
Article - 251 RHSL Practitioners Forum Brief - THISO Unpack 2020	22/06/2020	This brief provides a summary of learning captured by Rob Royce when employing a non-conforming THISO. The Presentation was shared at the National Waste Programme Practitioners meeting.
Article - 252 NWP Waste Consignment Practices Peer Learning - Shared Learning Summary Issue 1 - Nov 2019.pdf	25/06/2020	This infographic is an output of an NWP Peer Learning Event in 2019, which consolidated LFE and good practice on waste consignment from fourteen participating nuclear industry organisations. The summary captures collectively agreed practices that can help waste practitioners avoid or mitigate the risk of misconsignments or near-misses across the waste management lifecycle.
Article - 255 Asbestos found in scaffold tube.pdf	25/06/2020	During routine radioactive contamination monitoring of a stillage of legacy scaffold tubes, asbestos debris was discovered inside one of the tubes. The debris was confirmed as Amosite asbestos after sampling and analysis. No individual was exposed and the air sample was below limit of detection.

[Go to source of document.](#)

Need some help?
Search below or browse our FAQ

ASK A QUESTION IN LLWR WASTE MANAGEMENT

ANSWERED QUESTIONS

No questions have been answered yet.

UNANSWERED QUESTIONS

There are no unanswered questions.

Waste Expert View Hub Live



Expert View Welcome Message

Background
 Whilst the WAP has been set up to allow customer to easily manage waste through the LLW Repository Ltd services, for new or innovative waste management processes, such as those that create new types of waste forms, which condition / treat waste in new ways or those that use new approaches to packaging / transport ... the existing WAP can be challenging and frustrating for Customers. This is often because new information requirements can be identified as the WAP progresses that need to be met by Customers which may lead to additional work, extension of WAP stops and a longer process. Recognising the challenges and frustration this can cause Customers, we have sought to implement arrangements that can help to resolve these issues through the Expert View.

The Expert View
 The Expert View process, first trialled at LLWR Repository Ltd in December 2019, involves a multi-disciplinary team from LLWR Repository Ltd (and other organisations as required) reviewing a proposal - initiated by a Waste Enquiry - from Customers for use of a new waste management technology, novel conditioning approach, use of a new waste packaging approach or management of a new waste form. The team identifies experts that the panel consider pose questions, risks or uncertainties that will need to be resolved during the WAP and for which Customers will need to provide additional information or data beyond the standard requirements of the WAP. Feedback is provided to Customers through a formal letter to enable them to undertake characterisation, information gathering, desktop research, experimental research or other activities to produce and submit the additional information at an early stage of the WAP, which should reduce additional information requests, iterative activities and the overall WAP timeframe for Customers.

Convening an Expert View
 Waste Management Services will provide advice to Customers before or at the Waste Enquiry stage of the WAP as to whether an Expert View could be useful and how Customers need to engage with it, and will support progressing as appropriate required through the process to convene an Expert View. Please note that most of wastes routed via Waste Management Services will not require or benefit from an Expert View, and this process is likely to be used in limited and specific circumstances.

Accessing Expert View Information
 We are keen to provide information to help Customers understand the Expert View process and to benefit from Expert Views delivered for other Customers. To enable this, we have developed guidance as the Expert View process and have developed a library of content from previous Expert Views to enable information sharing across the industry.

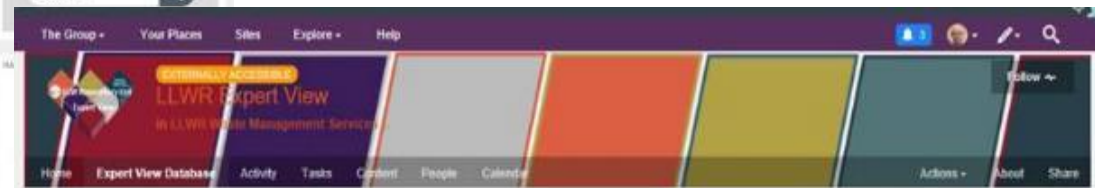
Available information includes:

- A guidance document [on procedures to LLWR Repository Ltd Expert View](#) which describes what an Expert View is, how it can support Customers, when it is used and how it is convened. It also explains how the Expert View process interacts with the WAP.
- A library containing [past Expert Views](#) covering the areas [listed in the table below](#). Further summaries will be added to this library as additional Expert Views are held.

Further Information and Questions
 If you require any further information or have any queries relating to Expert View, just ask them in the questions section to the immediate right of this message.

Looking for something?
 Search below or check out the Expert View Database

Show...



EXPERT VIEW FY2021

Expert View Number	Topic Matter	Date of Expert View	Status / Outputs
1	LLWR Disposal of Vitreous Wasteforms	01/05/2020	Complete - Summary Document published
2	LLWR Disposal of highly friable asbestos treated by intimate wetting	22/09/2020	EV held, output production commenced
3	LLWR disposal of a contaminated slag pot	22/09/2020	EV held, output production commenced
4	TBD	TBD	TBD

[Go to document source](#)

EXPERT VIEW FY2020

Expert View Number	Topic Matter	Date of Expert View	Status / Outputs
1	LLWR Disposal of oils / oily sludges treated with absorbent polymer	05/12/2019	Complete - Summary Document published

[Go to document source](#)

- EXPERT VIEW PANEL
- Helen Cassidy**
 Head of National Waste Programme
 Commercial & Strategic Develop...
 - Jill Chester**
 Waste Compliance Manager
 Science & Engineering
 - Howard Falconer**
 Head of Customer Management
 Waste Management Services
 - Andrew Hetherington**
 Service Delivery Manager
 Waste Services
 - Amy Hurlington**
 - Oliver Steele**

Future Solutions

- Disposal system enhancement
 - Environmental Safety Case Revision – 2026
 - Optimisation of LAW system
 - Consideration of risk based disposal opportunities
- Supply chain capability
 - Fuller lifecycle service across waste value chain
 - Improve environment for supply chain investment
- Enhanced expert knowledge
 - Expert Views
 - Peer Assist
 - NWP/IWMP network
 - WMS Hub LFE Library
 - Upstream advice & secondments



Onsite Progress

Paul Pointon
Chief Executive Officer

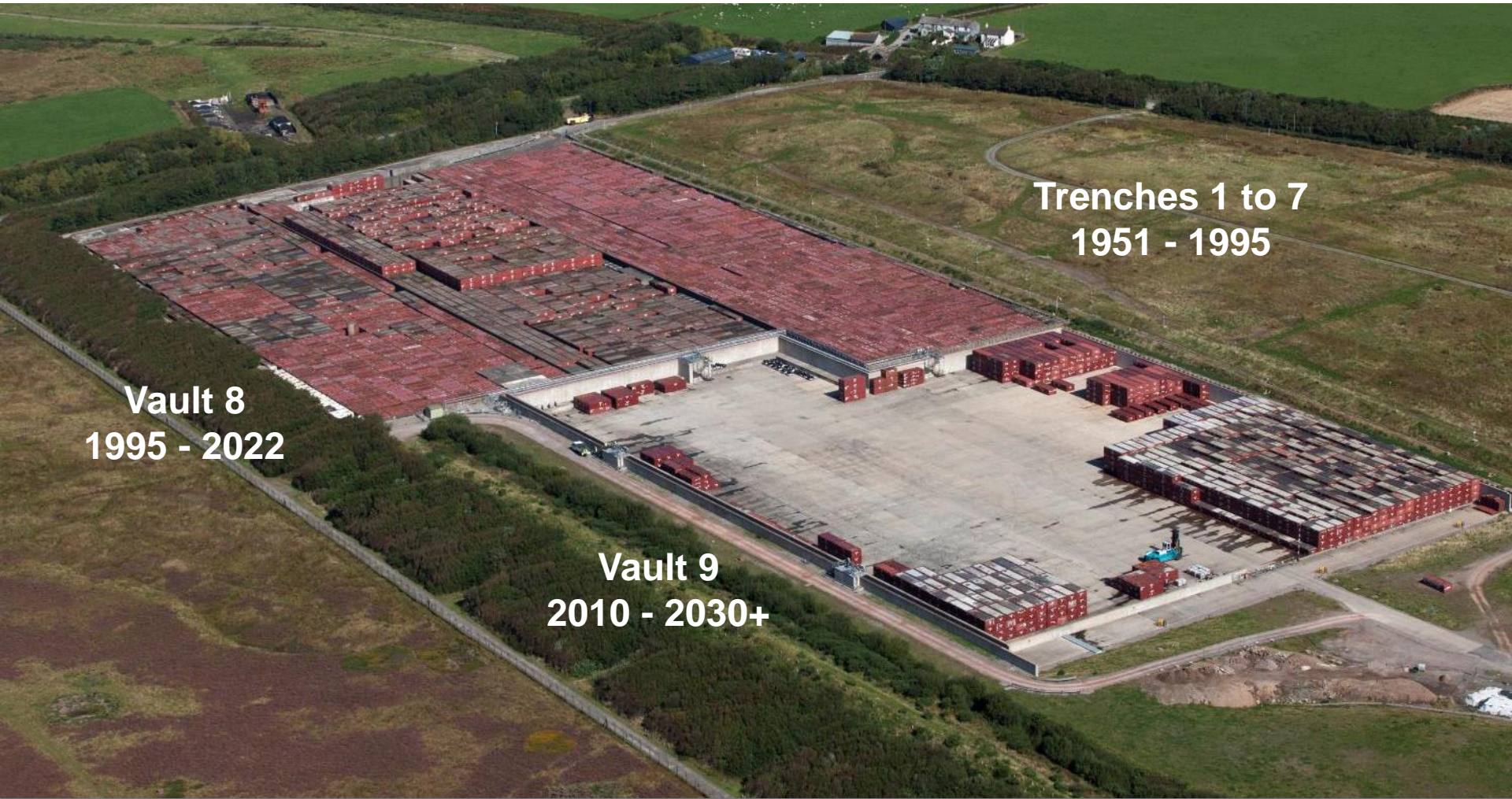
PCM - Demolition of B748



PCM - Soil Removal from Magazines



Repository Development Programme (RDP)

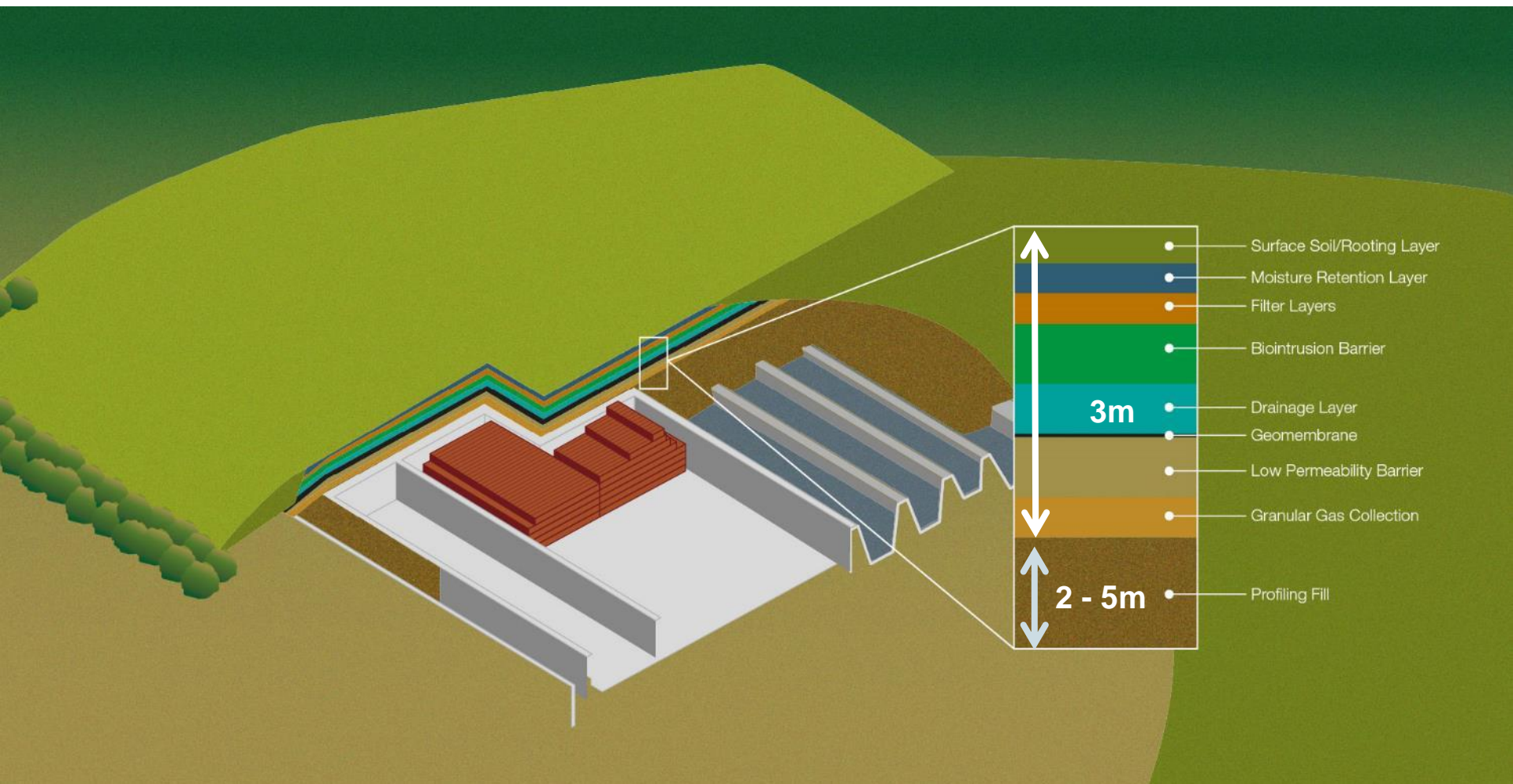


Vault 8
1995 - 2022

Vault 9
2010 - 2030+

Trenches 1 to 7
1951 - 1995

Final Cap



RDP - Tree Stump Removal



RDP - Delivery of Aggregate by Train



RDP - Stock Pile Area



RDP - Haul Road Preparations



RDP - Construction of the Noise Barrier



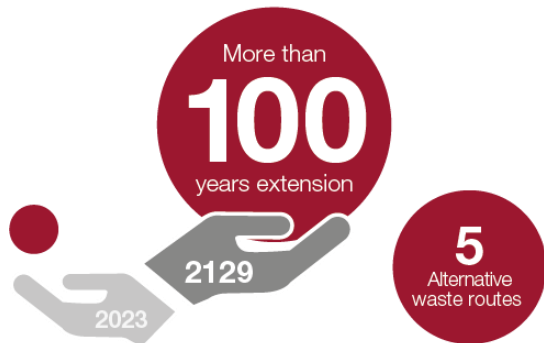
New FM Accommodation & Contractors Compound



Transition to Subsidiary Model

- The LLWR PBO model has delivered the mission early
- Future LLW disposal capacity assured
- >£400M of benefits delivered to date
- Transformed the way nuclear industry manages waste
- Provides solid foundations for future missions
- Supports NDA strategic direction on OneNDA and closer integration of radioactive waste management
- LLWR SLC remains as enduring entity
- Transition completion and Share Transfer 12th July 2021

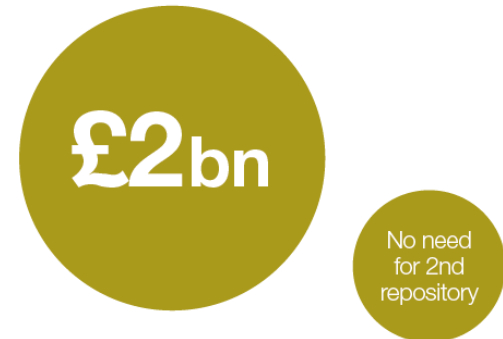
Repository operations



Waste management services



Enablers



Questions