

Plutonium Contaminated Material Decommissioning Programme, Low Level Waste Repository Ltd.

Amentum managed the successful delivery of the Plutonium Contaminated Material (PCM) programme at Low Level Waste Repository Ltd (LLWR), including the decommissioning and demolition of five contaminated magazines and seven support facilities. The programme was undertaken from 2013 to 2019 and valued at £100 million. The magazines held PCM generated from operations across the UK (including Sellafield) during the 1950s and 1960s.

The strategy was defined by Amentum with input from UK Nuclear Decommissioning Authority (NDA) and focused on a safe and accelerated delivery schedule; challenging current practices to deliver improvements; and maintaining LLWR's reputation as an industry leader.

Amentum's vision centered on the formation of an Integrated Project Team, delivering one way of working. Our core cultural and behavioural values focused on actively taking time out to concentrate on forward-planning; being unified to deliver common messages; and seeking support when needed.

Successful delivery of the PCM programme led to:

- Decommissioning and decontamination of five highly active magazines and the demolition of seven buildings.
- Completion of a long standing commitment to the local community.
- Lessons learned improvements to accelerate delivery of key activities.
- Innovative working pattern introduced to increase productivity by 215%.
- Flexible safety case permissioning strategy implemented with ONR to accelerate the schedule and simplify approvals.
- Waste informed decommissioning to deliver cost and schedule savings.
- Completion of work four years ahead of schedule.
- Savings of £20m to the taxpayer.
- A total of 11,000 air-fed-suit entries during the programme, equaling 400,000 entry manhours.
- No lost time in accidents.
- Collaborative working with the client, regulators, and local community.
- Collaborative commercial arrangements with the supply chain to stimulate a positive delivery culture and innovation.

Paul Pointon, Amentum Chief Project Director and CEO at LLWR Ltd has stated: "In addition to the major savings made under the Programme, completion marks a long standing commitment made to our local community to remove all PCM from the Site and decommission the facilities, and our stringent commitment to safety meant not a single Lost Time Accident was suffered in more than 400,000 man hours of physical work."

The PCM programme was of high importance to the local community and key to progressing the site's decommissioning mission. Once safely cleaned up, the land will be released for further disposal vaults. Throughout



From top: Plutonium Contaminated Material in storage, middle: four of the five magazines at various stages of demolition, and bottom: One of the air-fed suits used on the project,





delivery of the programme, Amentum focused on socio-economic initiatives. We worked closely with representatives of the Drigg and Carleton Parish Council and the local supply chain to develop and deliver a community-led plan reflecting the views of local residents and regulators.

Visit the LLWR Site video to see more on the PCM Programme <https://youtu.be/SehBMvyyuIVE>.

About Amentum.

Amentum is a premier global technical and engineering services partner supporting critical programmes of national significance across defence, security, intelligence, energy, and environment. We draw from a century-old heritage of operational excellence, mission focus, and successful execution underpinned by a strong culture of safety and ethics. Headquartered in Germantown, Md., we employ more than 34,000 people in 50 U.S. states and 105 countries.

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