



REINVENTING LANDFILL CELL CONSTRUCTION WITH LECA® LWA



Skanska has been quarrying rock at Häradsudden for many years. Now, Ragn-Sells has taken over the site and is repurposing the pit to build a new hazardous waste landfill. The new use of the land places strict environmental demands on the containment system. A tailor-made solution with Leca lightweight aggregate

(LWA) not only provided stability, but also reduced CO₂ emissions and increased the landfill cell's volume.

Ragn-Sells' new hazardous waste landfill was inaugurated in May 2024. When constructing such a facility, it is essential to protect the surrounding nature and waterways so that the waste can remain underground without impacting the environment. A dense, long-term, and sustainable solution is crucial—often achieved with concrete. But the construction now in place is entirely new, developed specifically for this project—and built without concrete.

FACTS

Project: Rock quarry converted into hazardous waste landfill

Location: Häradsudden, Norrköping

Client: Ragn-Sells

Companies involved: Structor, Firma Terra, Gnesta Bergbyggare AB

Leca product: Leca LWA 10mm/20mm

Delivery: Pneumatic blowing