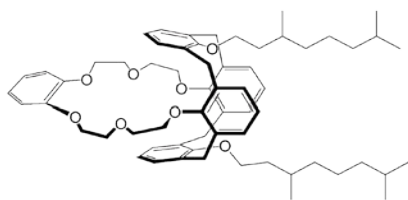


Specialty Chemicals for Nuclear Energy Industry

Marshallton Research Laboratories

manufactures specialty chemicals for remediation and recycling of radioactive isotopes in the nuclear energy industry.



MaxCalix

CESIUM REMOVAL

Calixarene based ligands e.g. MaxCalix are key components for the selective removal of cesium from radioactive waste streams.

ACTINIDE PARTITIONING AGENTS

Diglycoldiamides, dioxaoctanediamides, alkyl phosphonates and diphosphonates can be used to separate actinides, a key step in recycling spent fuel.

ANALYTICAL REAGENTS

At Marshallton Research Laboratories we have decades of experience in synthesis, production and formulation of ligand systems for nuclear applications.



Source Points

future,” Vance added.

The Richland Operations Office had been in place since the late 1960s, after the Hanford Site transitioned from the U.S. Atomic Energy Commission. In 1989, the mission of the Hanford Site and the Richland Operations Office changed from national security to environmental cleanup.

Congress created the ORP as part of the National Defense Authorization Act for fiscal year 1999. It was established to provide a singular focus on delivering the capability to safely treat the liquid radioactive and chemical waste stored in Hanford’s 177 underground tanks.

CANADA

NWMO selects Ontario site for geologic repository

Canada’s Nuclear Waste Management Organization (NWMO) announced on November 28, 2024, the selection of a site in northwestern Ontario for a deep geologic repository to hold the country’s spent nuclear fuel. Concluding a nearly 15-year consent-based process, the NWMO, the not-for-profit organization responsible for managing Canada’s nuclear waste, selected Wabigoon Lake Ojibway Nation and the township of Ignace as the host communities for the future site for Canada’s spent fuel repository.

“This is a historic moment,” said Laurie Swami, NWMO president and chief executive officer in announcing the site selection. “This project will solve an environmental issue and supports Canada’s climate change goals. And today’s decision was driven by a consent-based siting process led by Canadians and indigenous peoples. This is what making history looks like.”

The NWMO said that the Wabigoon Lake Ojibway Nation indicated its willingness to host a spent fuel repository in the Revell Lake area,



An aerial picture of Ignace, Ontario. (Photo: NWMO)