



Inco Limited Voisey's Bay Nickel Mine

the challenge

Inco Limited, the world's second largest nickel producer, and its wholly-owned subsidiary Voisey's Bay Nickel Company (VBNC) is mining the biggest nickel deposit in the world in Newfoundland Canada.



During the Construction and Operation Phases of the camp, waste from 250 to 700 people needed to be processed. This was largely waste generated by the kitchen and dining areas. Packaging waste (wood, cardboard and plastic) was also a concern.

Storing waste on-site attracts wildlife which poses a risk to the on-site workers. □

our solution

SNC Lavalin's BAE Newplan group worked with VBNC to develop a sustainable and responsible waste management plan that included Eco Waste Solutions' CA Model.



Incineration was chosen as the preferred method of disposal for the camp waste which included food waste, packaging and some sewage sludges. The machine would be required to operate in extreme conditions using Arctic Diesel fuel. Clean performance would be essential in order to uphold strict environmental conditions imposed on the mine. The procurement group awarded the contract to Labrador INNU Waste Management for the purchase of two Eco Waste Solutions' **Waste Oxidizers (CA-50 and CA-100)**. □



the results

Environmental Protection

No smoke or odour is emitted from the CA-50 and CA-100 during the processing of waste. □

Operational Simplicity

Automated system design reduces labour requirements. Workers are free to perform other tasks during the system's operation. □

On-site Waste Management Solution

The machines operate for 12-18 hours per day processing a wide variety of waste streams. □

project information

- Location:** Voisey's Bay Mine, Labrador, Canada
- Models:** CA-50 and CA-100
- Capacity:** 500 and 750 kg per day
- Waste Type:** Camp Waste
- Installation:** 2003 and 2004