



**ECO WASTE SOLUTIONS**



**Military Camp  
Waste Solution**



**Canadian Department of Defence  
CFS Alert**

## the challenge



The Canadian Department of National Defence (DND) has operated Canadian Forces Station Alert (CFS) (located just south of the North Pole) since the mid-1950's. In the 1990's DND developed a plan to remove unused structures and clean up the landfill on this base.

In addition to its military purpose, CFS Alert is also used by scientists as a research station to study the fragile arctic environment. The existing dump that serviced this camp posed a threat to the local environment and attracted wildlife that risked the safety of the people stationed in Alert.

The years of waste production at CFS Alert created a sizable waste dump that needed to be addressed in an environmentally responsible fashion. An incinerator was determined to be the optimum way to destroy the solid and liquid waste that had accumulated and meet on-going needs. □

## our solution

After careful consideration, Eco Waste Solutions was chosen to provide a solution for this environmentally sensitive region.



The remediation of the CFS Alert site required a system that could accommodate large bulky items and also be tolerant to the wide variance in waste composition. The solution needed to be able to destroy the different liquid wastes stored in numerous drums on the site, as well as the solid waste from the landfill. Given the turnover of personnel on-site, the system needed to be easy to operate.

The Eco Waste Solutions ECO Model was selected by the Department of National Defence based on its ability to address all of these issues. □



## the results

### Environmental Remediation

The amount of material being landfilled has been dramatically reduced. □

### Environmental Protection

The accumulating barrels of old aviation fuel, glycol and lubricating fluids have been significantly reduced. □

### Operational Simplicity

The machine continues to operate twice per week, processing the regularly produced waste and is operated by rotating Canadian Forces personnel. □

## project information

Location:	CFS Alert, Nunavut, Canada
Model:	ECO 2T-5GPH
Capacity:	2 tons per day, 5 gallons per hour
Waste Type:	Camp Waste and Liquids
Installation:	1994

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