

**Waste Management Plan
Tundra Ecosystem Research Station
Daring Lake, NT**

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Version 3

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1.0 Sources and Management of Waste at the Tundra Ecosystem Research Station

TERS is open from April until early September. During the five months of operation the number of residents varies from 2 to 35. In general, the camp is populated by a small (~4-10) group of researchers, plus an onsite camp manager. The population is at its maximum of 35 for ten days at the end of July to early August, at which time TERS hosts the Tundra Science and Culture Camp. TERS endeavors to be as clean as possible with respect to waste storage and disposal. Back hauls are used whenever possible to remove waste from the site. As an added precaution, the camp is enclosed in an electric bear fence to further deter any curious animals from the site.

In general, TERS does not produce a large quantity of waste. However, the waste that is produced is dealt with in the following ways:

Table 1 - Outline of the waste types produced at TERS, their source, temporary storage, and disposal.

Waste Type	Source	Storage	Disposal
Kitchen waste	Food preparation etc.	<ul style="list-style-type: none"> • Packaging from meat products is placed in plastic container, and frozen until disposal. • Burnables such as paper and cardboard is separated from non-burnables (i.e. plastics, food waste etc.) and recycling, and kept in an airtight garbage container in the kitchen tent until the container is full. • Recyclable goods are cleaned and stored in the kitchen tent. • Plastics are cleaned and stored in the kitchen tent, or in a separate tent. • Compost is 	<ul style="list-style-type: none"> • Waste is shipped to Yellowknife (YK) for disposal in a business waste collection bin managed by Kavanaugh Waste Removal Services. • Recyclable goods are always shipped to YK and taken to recycling depots. • Compost is separated from other kitchen waste contributed to the YK community garden compost.

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		separated from other kitchen wastes and stored in plastic (airtight) buckets in a storage tent.	
Grey Water	Wash tent, kitchen tent	Grey water is pumped to a sump located at the base of the esker approximately 60m from the nearest high water mark	Grey water dissipates through the soil over time.
Sewage etc	Human waste	TERS is equipped with a pit latrine, and an incinerating toilet.	Ash from incinerating toilet is disposed of in a business waste collection bin managed by Kavanaugh Waste Removal Services.
Hazardous materials	Fuel supplies	Empty fuel drums/propane tanks etc. are stored onsite. Absorbent pads etc. used for minor spill cleanup are stored in a bucket in the fuel shed.	Empty drums/tanks are hauled back to YK as soon as possible (not left onsite over the winter). Contaminated materials (absorbent pads) are shipped back to YK for appropriate disposal at KBL Environmental Ltd.