



# Technical Session - Town of Inuvik Water Licence Renewal (G17L3-001) April 27, 2017

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Northwest Territories  
Environment and  
Natural Resources

# Hazardous Waste & Community Governments

## Overview

- ENR's Hazardous Waste Objectives
- Area's of improvement
- Developing a Hazardous Waste Management Plan



# Hazardous Waste & Community Governments

- Protect the Environment = Prevent the release of contaminants
- Hazardous Wastes are one form of contaminants
- Track the movement of hazardous waste from registered;

**Generators** → **Carriers** → **Receivers**



# Hazardous Waste & Community Governments

Two sources of hazardous waste:

I. Household hazardous waste (residential)



II. Industrial, Commercial, and Institutional (ICI) Sector



# What is Hazardous Waste ?

**Hazardous Waste can be REACTIVE, CORROSIVE, IGNITEABLE, OR TOXIC**

- **Asbestos**
- **Batteries (Lead Acid)**
- **Glycols (Antifreeze, Heating Fluid)**
- **Heating Oil Tanks**
- **Household Hazardous Waste**
- **Hydrocarbon Contaminated Soil / Snow / Water**
- **Mercury Containing Materials**
- **Oil Debris**
- **Old Fuel**
- **Ozone Depleting Substances**
- **Paint**
- **Propane Tanks**
- **Residue fuel tanks/drums**
- **Used Oil**
- **Vehicles Containing Batteries, Fluids, Mercury Switches**



# Hazardous Waste & Community Governments

**“We will take care of our own hazardous waste but we’re not going to take everyone else’s.”**

- **Define Acceptable and Unacceptable** Waste in your community
- **Keep Unacceptable Hazardous waste out** of your disposal facility
- **Communicate** with residents and the ICI Sector about Acceptable and Unacceptable





# Town of Inuvik Hazardous Waste Management



# Town of Inuvik Paint Management





How much is a litre of Used Oil?



**1000 L**

**1 Litre**



One million Litres  
1,000,000 L

1000 L

**Contaminated**

**One million Litres  
1,000,000 L**

**1000 L**

**1 Litre**



# 1 thermostat contains 3-5 grams Mercury

<http://epa.ohio.gov/LinkClick.aspx?fileticket=dL84chK7qko%3d&tabid=2654>

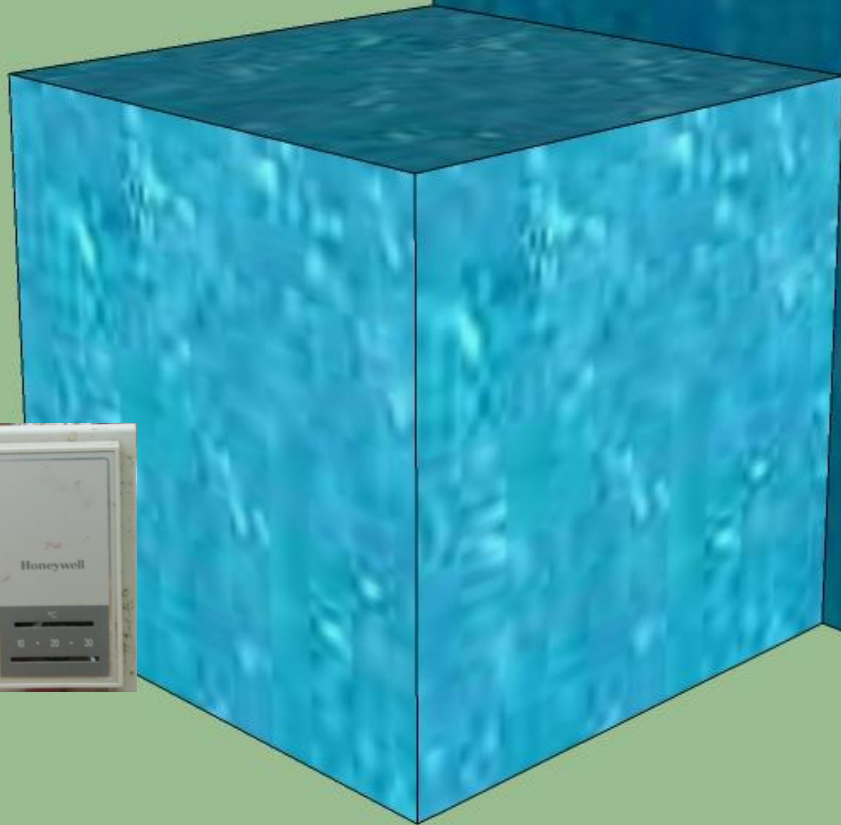
**Canadian Drinking Water Quality Guidelines for Mercury  
= 0.001 mg/L**

**1 thermostat  
Will contaminate  
5 million litres  
of drinking water.**

5 million Litres =  
5000 m<sup>3</sup> =  
approx. 17m x 17m x 17m









**Five million Litres  
5,000,000 L**



**Five million Litres  
5,000,000 L**

# ICI Hazardous Waste Stockpiles:



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# Storage is not a long term solution



**Snow melts and drums fill up with water**



# Storage is not a long term solution



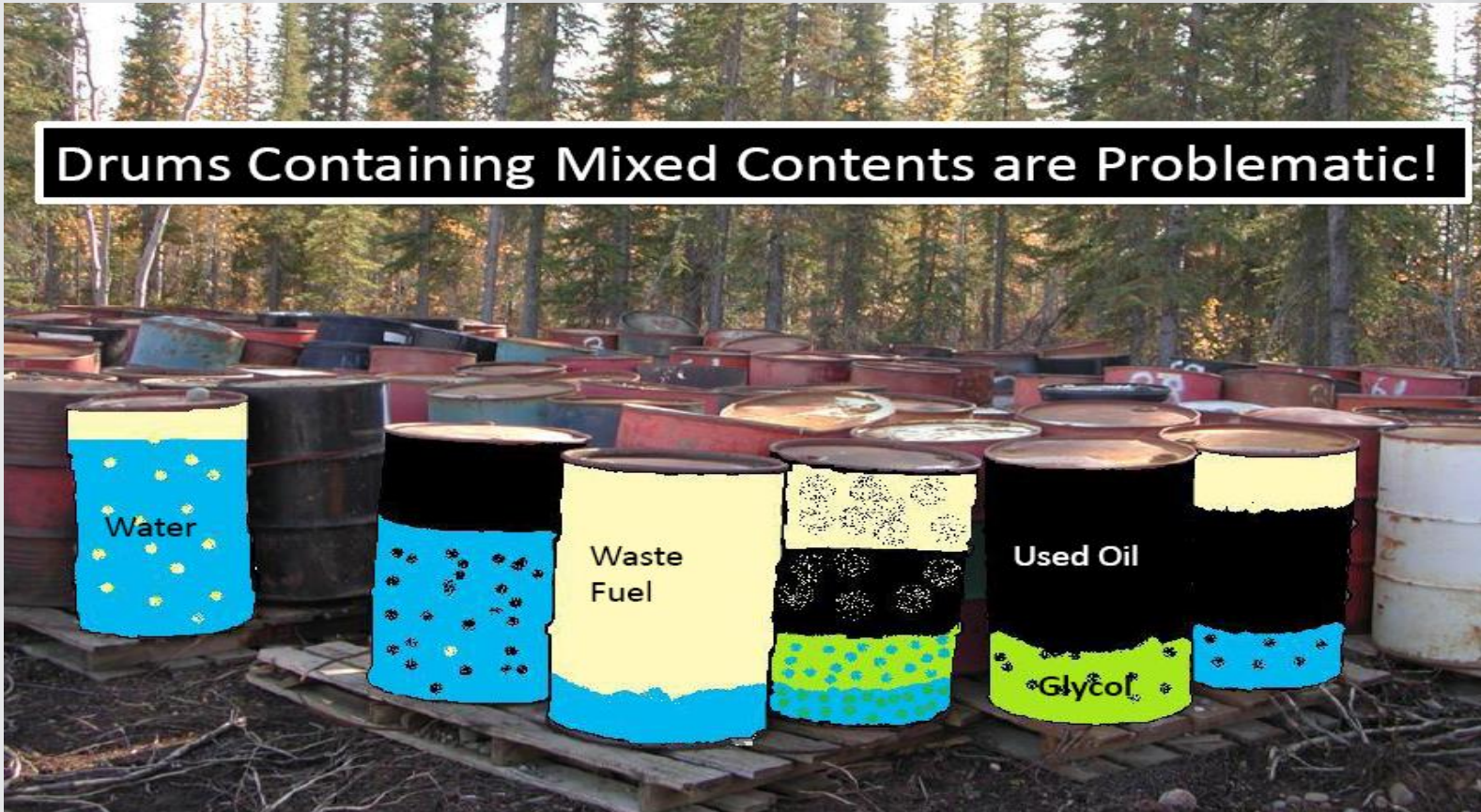
Drums that fill up with water leak and spill!





# Storage is not a long term solution

**Drums Containing Mixed Contents are Problematic!**



**Drums that fill up with water leak and spill!**



# Storage is not a long term solution



Keep Used Oil separate from  
**Water, Glycol, Solvents, and Fuel**





# Storage is not a long term solution



Ready for Transportation and  
Disposal



# Storage is not a long term solution



Ready for Transportation and Disposal





# Storage is not a long term solution

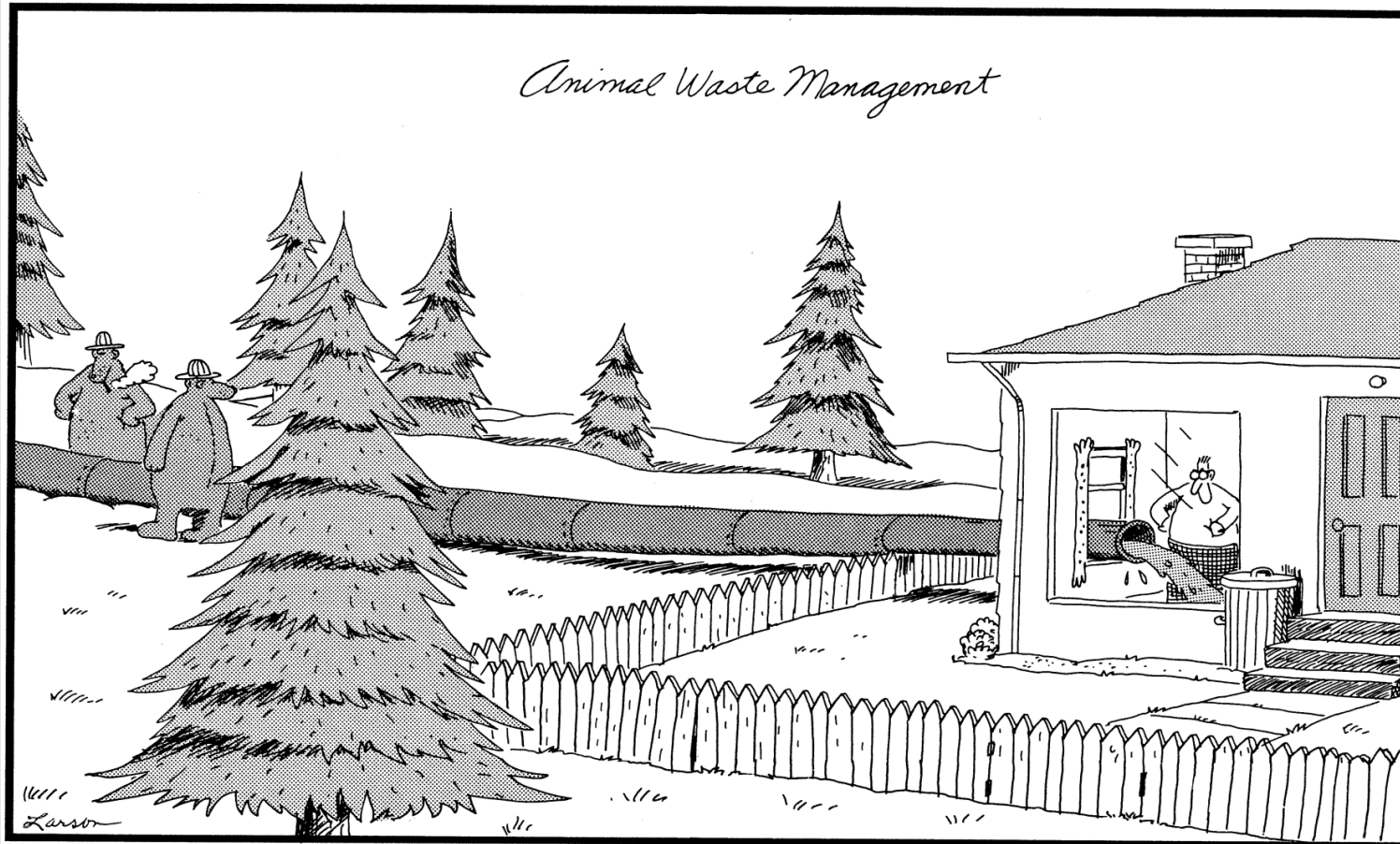


TYPE OF WASTE	CONTAINER	QUANTITY	SIZE
Used Oil	Drum	4	200 L
Glycol	Drum	3	200 L
Waste Fuel	Drum	2	200 L
Paint	Can	30	4 L
Batteries (vehicle)	Pallet	3	2000 kg
Propane Tanks	20 lb.	20	20 L
Aerosol cans	Drum	2	200 L

**Inventory used to arrange  
Transportation and Disposal**



# Thank you for your attention. Questions?







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