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**Arrivals**



**Departures**

# YKF Environmental Safety Presentation

Prepared by:  
Region of Waterloo International Airport (YKF)

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# ENVIRONMENTAL AWARENESS



Environmental awareness is understanding the importance of protecting our environment and preserving our natural environment.



# DID YOU KNOW?



It is estimated that if global greenhouse gases are not reduced by approximately 20% by 2020 and 80% by 2050, Climate Change could become a “runaway” process, exceeding the ability of the world to adapt without significant permanent impact.



# ENVIRONMENTAL AWARENESS

Here at Waterloo Region International Airport, our Environmental Policy is based upon the following:

- \* Continuous Improvement
- \* Environmental Compliance
- \* Pollution Prevention



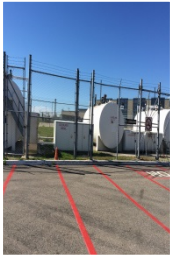
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# ENVIRONMENTAL AWARENESS

On airport property, a spill incident involving fuel or hazardous substances can occur through different mediums and pose a risk to the environment:



On Land:

Soil, pavement, sewers,  
utility conduits, wells



On Surface Water:

Flowing streams, ditches,  
ice



Subsurface:

Soils, groundwater,  
aquifers

# WHAT ARE THE HAZARDS OF FUEL SPILLS?



## Potential for: FIRE/EXPLOSION

- \* Fire can start from a spark or hot exhaust
- \* Explosions can occur if the vapour/air mixture is critical

## Potential Harm to: HUMAN HEALTH

- \* Gasoline vapours are toxic and can cause asphyxiation if sufficiently concentrated
- \* Fuel spilled into waterways can impact domestic water supplies and groundwater wells used as a drinking supply



# WHAT ARE THE HAZARDS OF FUEL SPILLS?



## Potential Harm to: THE ENVIRONMENT

- \* Low density fuels are extremely poisonous to most animal life.
- \* Plant and animal life may also be destroyed due to asphyxiation smothering, starvation, drowning and exposure.
- \* Aesthetic areas such as beaches and marinas may be damaged by fuel spills, sometimes irreversibly.



# TYPES OF HAZARDOUS MATERIALS

Note: There is a mandatory requirement to contact Environment Canada in ALL spills involving PCBs, Mercury, Lead, and Ozone Depleting Substances.

- Jet Fuel
- Gasoline
- Diesel
- Deicing Fluid
- Glycol



- Hydraulic Fluid
- Lavatory Waste
- PCBs
- Mercury
- Other chemicals





# IF YOU OBSERVE A FUEL SPILL...

Any airport employee who observes or is made aware of a potentially hazardous spilled material must immediately notify Airport Emergency!



# FOR THE SPILL REPORTER

*When reporting a spill to the Airport Emergency Line,  
be prepared to provide the following information:*

- Name of Caller (Spill Reporter)
- Name of Caller's Employer
- Telephone Number of Calling Location
- Location of Spill
- Type of material spilled (if known)
- Description of Spill
- Approximate quantity spilled or area of coverage
- Source of the spill, if known



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# FOR THE SPILL REPORTER

*When reporting a spill to the Airport Emergency Line, be prepared to provide the following information:*

- Probable time of spill, duration of spill
- Present and anticipated movement of spill
- Status of containment (secured or mobile)
- Potential fire, health, and environmental hazards
- Potential for subsurface contamination
- Personnel and equipment on scene
- Resources available or required
- Action initiated by personnel



# LAVATORY SPILL PREVENTION

- Note: Do not allow a lavatory spill to be washed down the storm sewer!
- Waterloo Airport tenants operating lavatory trucks are to produce and post written policy and procedures for the clean-up of lavatory spills, and maintain lavatory spill logs.



# REMINDER: General Safety Reporting Methods

**Airport Emergencies: 519-648-3370**

**Airport Non-Emergencies (Security): 519-648-2257**

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