



2011 Environmental Performance Report

Since 1997, the Authority has been updating the work that was initiated by Transport Canada prior to transfer in 1997. The first comprehensive Environmental Performance report was published in 2007. It was followed by other published report in 2008 and 2010. The reports outline performance with objectives and accomplishments or improvements required to meet the ultimate objective of minimizing situations that may impact the environment, keeping in mind that safety is the first priority. The Airport Authority's Corporate Social Responsibility Policy, which environmental performance is closely linked to, is as available upon request.

The following is an overview of the 2011 results.

STORMWATER QUALITY

Aircraft de-icing (use of ethylene glycol)

2011 Goal

Zero exceedances

Performance

No exceedances in 2011. No exceedances to Glycol Guideline (100 mg/l) since the 2005/2006 winter at the property boundary.



2012 Goal

Zero exceedances

Method

Continue to monitor and rectify any identified issue

Runway/Taxiway/Apron de-icing use of urea

2011 Goal

Zero exceedances

Performance

No exceedances in 2011. No exceedances to the un-ionized ammonia guideline (0.1 mg/l) since the 2001/2002 winter. Note: urea degrades to un-ionized ammonia.



2012 Goal

Zero exceedances

Method

Continue to use alternate products

Fuelling, equipment maintenance, aircraft preparation (spills)

2011 Goal

0.25 spills per 1000 aircraft movements and ensure no off site impact

Performance

In 2011, there were 0.88 reported spills per 1000 aircraft movements (compared to 0.82 in 2010, 0.56 in 2009 and 0.34 in 2008). No offsite impact occurred. Of all reported spills, only one did enter the soil. The spill was the result of an aircraft excursion off runway 32. The other reported spills were on hard surface and cleaned prior to entry into soil or surface water.



2012 Goal

0.25 spills per 1000 aircraft movements and ensure no offsite impact
Remediate contaminated soil due to excursion

Method

Equipment maintenance and employee awareness

Construction and demolition of buildings

2011 Goal

No significant environmental impacts

Performance

The construction of the CE Centre and the demolition of Hangar One did not create significant environmental impact due to the control measures used.



2012 Goal

No significant environmental impacts

Method

Complete environmental assessments as early as possible and carry out mitigation measures

GROUNDWATER QUALITY

Former fuel storage tanks, use of de-icing products

2011 Goal

Follow the Airport Authority's groundwater monitoring program

Performance

The groundwater monitoring program was followed with one exception as some monitoring wells were destroyed.



2012 Goal

Review and follow the groundwater monitoring program

Method

Complete the identified sampling and update the groundwater monitoring program accordingly
Continue to implement the groundwater monitoring program.

AIRCRAFT NOISE MANAGEMENT

Landing, take-off and over-flight of aircraft

2011 Goal

Lower complaints to 0.5 complaints per 1000 movements¹

Performance

In 2011, there were 0.5 complaints per 1000 aircraft movements (compared to 0.61 in 2010, 0.41 in 2009 and 0.51 in 2008). There have been no noise abatement procedure violations since 2005.



2012 Goal

Lower complaints to 0.45 complaints per 1000 movements¹

Method

Respond to inquiries in a timely manner, work with the City of Ottawa to ensure that Ottawa Airport Operational Influence Zone (OAOIZ) principles are followed and work with NAV CANADA to abate noise as much as possible

HAZARDOUS WASTE

Waste materials from building and equipment maintenance

2011 Goal

Continue to recycle 100% of hazardous waste

Performance

In 2011, 100% of hazardous waste was recycled including: 90 l solvents; 3,072 l waste oil; 2,508 ft fluorescent tubes; 100 kg batteries; and 234 halide lamps.



2012 Goal

Continue to recycle 100% of hazardous waste

Method

Ensure that recyclable hazardous waste is recycled and monitor recycling efforts

ENVIRONMENTAL ASSESSMENTS

Projects that would trigger the Canadian Environmental Assessment Act (CEAA)

2011 Goal

Continue to assess projects in the spirit of the act

Performance

The projects that triggered CEAA were assessed accordingly.



2012 Goal

Continue to assess projects in the spirit of the act

Method

Monitor projects through the airport technical committee and complete an environmental assessment when required under the act

WASTE REDUCTION/RECYCLING

Waste generated from aircraft, restaurants, maintenance facility and public and office areas

2011 Goal

Increase the overall diversion rate to 35%, excluding hazardous waste

Performance

In 2011, a waste diversion rate of 25% was achieved (compared to 18% in 2006). This does not include hazardous waste recycling and other work such as reduction of use of materials (paper towel dispensers).



2012 Goal

Increase the overall diversion rate to 35%, excluding hazardous waste

Method

Continue to complete waste audits to determine the waste origin and work with airlines, concessions and the public to increase awareness and create waste reduction programs

AIR QUALITY

Vehicles, aircrafts and buildings

2011 Goal

No increase in greenhouse gas from Airport Authority activities

Performance

In 2011, greenhouse gas emissions controlled by the Airport Authority were an estimated 10,106 tonnes (compared to 9,456 tonnes in 2010 and 9,684 tonnes in 2009). It should be noted that emissions are very weather dependent. In 2011, freezing rain caused the snowplows/sweepers to be used significantly - approx. 100,000 l more of fuel was used in 2011 compared to 2010.



2012 Goal

No increase in greenhouse gas from Airport Authority activities

Method

Develop a greenhouse gas reduction plan and start implementation

GREEN INITIATIVES

Procurement

2011 Goal

Encourage green alternatives to products

Performance

In 2006, the Airport Authority changed its cleaning and maintenance products to green products where possible. Since then, this procedure has been on-going.



2012 Goal

Keep looking for green alternatives to products

Method

Re-initiate the green procurement plan

AWARENESS

Training

2011 Goal

Complete awareness training

Performance

Training has been completed based on identified needs.



2012 Goal

Train all staff on relevant SOPs

Method

Develop an awareness and training program

BUILDING EFFICIENCY²

Water use

2011 Goal

Reduce consumption whenever possible

Performance

Water use varies from year to year based on factors such as the number of passengers and the weather. In 2011, water use was 19.51 m³ per 1000 passengers (compared to 19.6 m³ in 2010, 20.0 m³ in 2009 and 16.7 m³ in 2008).



2012 Goal

Reduce consumption whenever possible

Method

Continue to monitor for new technology that improves efficiency and maintain a proactive maintenance schedule, which enhances the overall efficiency of the building's mechanical systems

Electricity use

2011 Goal

Reduce consumption whenever possible

Performance

Electricity use varies from year to year based on factors such as the number of passengers and the weather. In 2011, electricity use was 5.96 kWh/passenger (compared to 5.96 kWh in 2010, 5.96 kWh in 2009 and 5.72 kWh in 2008).



2012 Goal

Reduce consumption whenever possible

Method

Continue to monitor for new technology that improves efficiency and maintain a proactive maintenance schedule, which enhances the overall efficiency of the building's mechanical systems

Natural Gas Use

2011 Goal

Reduce consumption whenever possible

Performance

Natural gas use varies from year to year based on factors such as the number of passengers and the weather. In 2011, natural gas use was 14.0 m³ per m² of floor area (compared to 13.8 m³ in 2010, 16.0 m³ in 2009 and 15.3 m³ in 2008).



2012 Goal

Reduce consumption whenever possible

Method

Continue to monitor for new technology that improves efficiency and maintain a proactive maintenance schedule, which enhances the overall efficiency of the building's mechanical systems

The Authority will continue to strive to achieve the goals and objectives. Some of the goals and objectives are difficult to realize as there are several unforeseeable factors and variables. Special attention will be given to waste reduction and greenhouse gas emissions.



- 1 OMCIAA has limited control over the number of complaints.
- 2 For results prior to 2008 please contact OMCIAA.