2012 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 reports in 2008, 2010 and 2011. 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 2012 results.

STORMWATER QUALITY

Aircraft de-icing (use of ethylene glycol)

2012 Goal
Zero exceedances

Performance
No exceedances in 2012. No exceedances to Glycol Guideline (100 mg/l) since the 2005/2006 winter at the property boundary.

2013 Goal
Zero exceedances

Method
Continue to monitor and rectify any identified issue

Runway/Taxiway/Apron de-icing use of urea

2012 Goal
Zero exceedances

Performance
No exceedances in 2012. No exceedances to the un-ionized ammonia guideline (0.1 mg/l) since the 2001/2002 winter. Note: urea degrades to un-ionized ammonia.

2013 Goal
Zero exceedances

Method
Continue to use alternate products

Fuelling, equipment maintenance, aircraft preparation (spills)

2012 Goal
0.25 spills per 1000 aircraft movements and ensure no off site impact

Performance
In 2012, there were 0.77 reported spills per 1000 aircraft movements (compared to 0.88 in 2011, 0.82 in 2010, and 0.56 in 2009). No offsite impact occurred. The reported spills were on hard surface and were cleaned prior to entry into soil or surface water.

2013 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

2012 Goal
No significant environmental impacts

Performance
The rehabilitation of runway 07/25 was completed and did not create significant environmental impact due to the control measures used.

2013 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

2012 Goal
Follow the Airport Authority's groundwater monitoring program

Performance
The groundwater monitoring program was followed with a few exceptions as monitoring wells were destroyed or could not be found.

2013 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

2012 Goal
Lower complaints to 0.45 complaints per 1000 movements[1]

Performance
In 2012, there were 0.47 complaints per 1000 aircraft movements (compared to 0.5 in 2011, 0.61 in 2010 and 0.41 in 2009). There have been no noise abatement procedure violations since 2005. In 2012, runway 07/25 was closed from June to September for rehabilitation. This caused all flights to fly over areas that do not normally experience significant aircraft noise. The Airport Authority launched an information campaign which helped mitigate the number of complaints related to this project to 91. If we include these 91 complaints, there were 1.2 complaints per 1000 movements.

2013 Goal
Lower complaints to 0.45 complaints per 1000 movements[1]

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

2012 Goal
Continue to recycle 100% of hazardous waste

Performance
In 2012, 100% of hazardous waste was recycled including: 8 kg aerosols, 127 kg batteries, 130.5 kg lead acid batteries, 21,475 feet of fluorescents, 275 kg metal halide bulbs, 222 halogen bulbs, 100 spent ballasts, 650 compact fluorescents, 110 l naptha, 4,139 l waste oil, 1,545 l paint, and almost 2,000 kg of electronic waste.

2013 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)

2012 Goal
Continue to assess projects in the spirit of the act

Performance
The projects that triggered CEAA were assessed accordingly.

2013 Goal
Assess all projects following CEAA 2012

Method
Monitor projects through the airport technical committee and the Facility Alteration Permit (FAP) process and complete the required environmental assessment

WASTE REDUCTION/RECYLING

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

2012 Goal
Increase the overall diversion rate to 35%, excluding hazardous waste

Performance
In 2012, a waste diversion rate of 28% 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).

2013 Goal
Keep an overall diversion rate of 28%, excluding hazardous waste (The reduction in the objective is due to the inability to recycle waste from outside of Canada due to regulations.)

Method
Work with airlines, concessions and the public to increase awareness and create waste reduction programs

AIR QUALITY

Vehicles, aircrafts and buildings

2012 Goal
No increase in greenhouse gas from Airport Authority activities

Performance
In 2012, greenhouse gas emissions controlled by the Airport Authority were an estimated 10,251 tonnes (compared to 10,106 tonnes in 2011 and 9,456 tonnes in 2010). It should be noted that emissions are very weather dependent.

2013 Goal
Reduce to 2010 levels of 9,456 tonnes

Method
Develop a greenhouse gas reduction plan and start implementation

GREEN INITIATIVES

Procurement

2012 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.

2013 Goal
Keep looking for green alternatives to products

Method
Continue to promote green procurement

AWARENESS

Training

2012 Goal
Complete awareness training

Performance
Training has been completed on some aspects based on specific needs. Awareness and training matrix developped.

2013 Goal
Implement training on relevant SOPs

Method
Follow matrix

BUILDING EFFICIENCY[2]

Water use

2012 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 2012, water use was 17.36 m^3 per 1000 passengers (compared to 19.51 in 2011, 19.6 m^3 in 2010 and 20.0 m^3 in 2009). We believe that the reduction is due to more accurate meter readings.

2013 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

2012 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 2012, electricity use was 5.84 kWh/passenger (compared to 5.96 kWh in 2011, 5.96 kWh in 2010 and 5.96 kWh in 2009).

2013 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

2012 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 2012, natural gas use was 13.8 m^3 per m^2 of floor area (compared to 14.0 m^3 in 2011, 13.8 m^3 in 2010 and 16.0 m^3 in 2009).

2013 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 these 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 the OMCIAA.