

Annual Environmental Report

2010 PROGRESS UPDATE

**CITY OF ATLANTA
Department of Aviation**



Hartsfield-Jackson Atlanta International Airport (ATL), the world's busiest airport, is owned and operated by the City of Atlanta (City), Department of Aviation (DOA). ATL's environmental compliance and management is extremely important to the City of Atlanta. The group challenged with this responsibility is DOA's Planning and Environmental Division, formerly known as the Environmental and Technical Services (ETS) Division.

In 2009, the DOA documented and reported the environmental compliance and management efforts made by the Department in the form of an Annual Environmental Report (AER). The 2009 AER (http://www.atlanta-airport.com/docs/Airport/Environmental/2009%20Annual%20Env%20Report_Revised%205-27-10.pdf environmental) provided a background on past and on-going initiatives in 2009. Progress made on these initiatives and additional efforts undertaken since then are provided in this 2010 Progress Update.

Planning

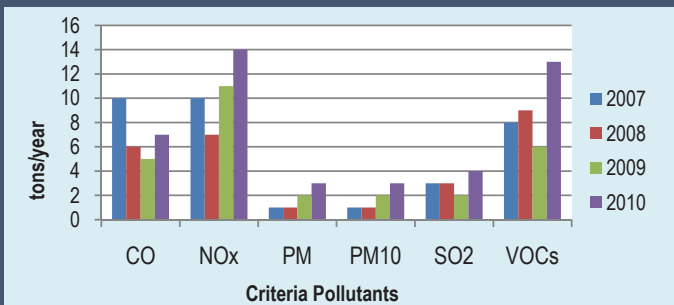
The current ATL Master Plan defines our vision through 2015 and beyond. ATL has, in large part, completed the \$6.7 billion Hartsfield-Jackson Development Program (HDP) which includes construction of a new runway, a new south terminal, a new international terminal, and renovation and expansion of the existing terminal complex.

Our Master Plan takes into consideration the Airport's impact on the environment and the economy of the surrounding communities and the southeastern region, while also focusing on ensuring future growth and compliance with industry requirements. In addition, through our National Environmental Policy Act planning efforts, sensitivity to the needs of the environment, the community, and the airport are always of paramount consideration.

Compliance

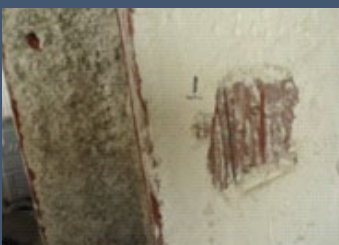
Air Quality Management Program

Air emissions inventories are prepared for stationary and mobile sources annually. The air emissions from stationary sources for 2007 to 2010 are presented below.

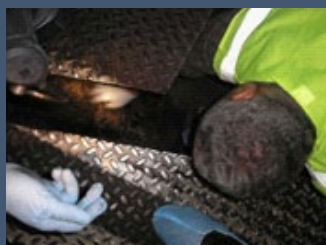


Asbestos Management Program

Ongoing management of asbestos containing materials (ACMs) during demolition, upgrades and new construction is based on the DOA's Asbestos Operations & Maintenance Program. Recent remediation work has included asbestos abatement for the Wynterbrook apartments and asbestos surveys for noise abatement properties, DOA security offices, and cargo facilities etc.



DOA security offices columns coating material sampling for ACM



Automated people Mover Tracks sampling for ACM

Storage Tank Management Program

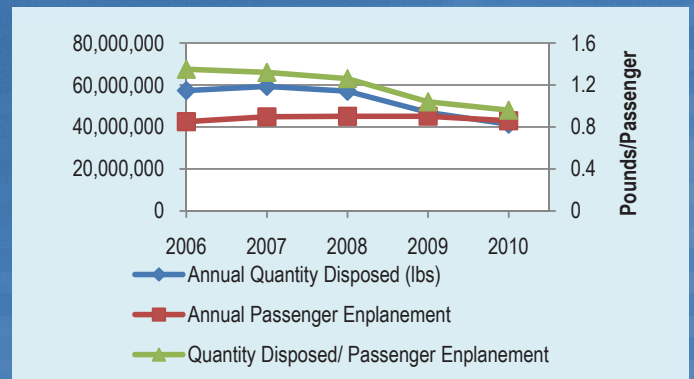
In 2010 DOA continued to monitor four sites where free phase fuel products were recovered from below ground surface.

FREE PRODUCT RECOVERED FROM REMEDIATION SITES				
Remediation Site Name	Product Recovered (gallons)		Type of Product	Recovery Method
	2009	2010		
Fire Station 32 ^{1,2}	20	0	Diesel Fuel	ISCO Pump
Concourse T, Pit 19 ²	138	264	Jet A Fuel	MPE
Conc-D Gate D-1 ³	26	131	Jet A Fuel	MPE
Former Delta NTC ⁴	113	5	Varsol	MPE

1. Fire Station 32 CAP-B Monitoring 2009, 2010 Annual Reports, DOA
 2. Fire Station expansion project resulted in agency approved dormant site.
 3. Pit -19 Fuel Spill CAP-B Monitoring 2009, 2010 Annual Reports, DOA
 4. Concourse D CAP-B Monitoring 2009, 2010 Annual Reports, DOA
 5. North Technical Center CAP-B, Monitoring 2009, 2010 Annual Reports, DOA

Solid Waste Management Program

The Airport community has implemented source reduction, waste minimization, and recycling initiatives, resulting in a decline in the volume of waste generated per passenger, down 29% from 2006 levels.



Water Program

The DOA samples storm water runoff from airport property to evaluate compliance of certain pollutants with established water quality standards. The airport has outfalls into the Flint River, Sullivan Creek, Camp Creek, and three outfalls into Mud Creek.

Construction projects at ATL are conducted in accordance with the requirements of construction permits, which regulate storm water discharges. In addition, the DOA's Storm Water Pollution Prevention Plan (SWPPP) identifies BMP's to be followed in order to protect nearby surface water that could be affected by industrial Airport operations.

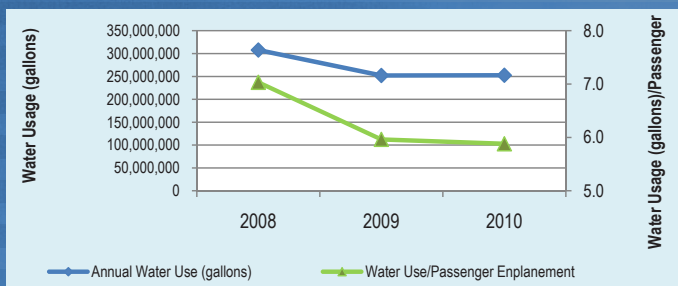
Further, the DOA holds two permits for the discharge of industrial wastewater. The total amount of wastewater discharged to the sanitary sewer system for 2009 and 2010 are shown in the following table.

WASTEWATER DISCHARGE FROM DEICING & FIREFIGHTING FACILITIES

Permit No.	Permit Name	Discharge Amount (gallons) ¹	
		2009	2010
F400	Spent Aircraft Deicing Fluid	99,600	331,782
F401	Aircraft Rescue and Firefighting Training Facility	1,191,389	865,181

1. 2009 & 2010 Discharge Monitoring Reports, DOA

The DOA's stewardship program for water conservation is strong and includes the installation of low flow rest room fixtures throughout the Central Passenger Terminal Complex (CPTC) and a chiller replacement project.



Wetlands Management Program

The DOA continues to monitor the Sams Lake Wetland Mitigation Site, which was developed to meet permit requirements for construction of Runway 10-28. Basins A & B at the site had a GAEPD macroinvertebrate score of 44 (Fair) and 39 (Fair), an improvement from 2009 survey scores. Nitrate/nitrite, total phosphorus, and fecal coliform levels were all below allowable levels for fishing, also an improvement over 2009 results. This is further evidence of stabilization post Hurricane Fay.



Sams Lake Wetland Mitigation Site

Sustainability

The DOA is constantly evolving to achieve sustainability at ATL. A recent change was DOA's creation of the Asset Management and Sustainability (AMS) Division. AMS has been assigned the task of preparing a Sustainability Management Plan for ATL which is anticipated to be completed in 2011. This SMP will pave the path for further sustainability initiatives at ATL.

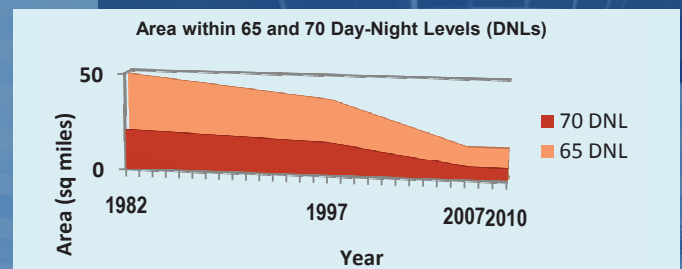
Reducing Pollutant Emissions

The DOA is constantly evaluating new means for reducing emissions. A solar power feasibility study was completed

in 2009 for ATL. Further considerations led to selection of a potential site for installation of a solar power plant, efforts are currently focused on identifying resources for the project.

Noise

The DOA and the FAA have evaluated aircraft noise in the vicinity of the Airport for more than 30 years. Since 1982, the DOA has maintained a comprehensive noise mitigation program, consisting of both property acquisition and sound insulation for homes. Areas within 65 DNL are determined by the FAA to be most affected by aircraft noise. Over time, the noise within the noise contours shrinks as airlines retire older, noisier aircraft and replace them with quieter aircraft. As seen in the figure below, the area contained within the 65 DNL contour has continued to decrease, despite an increase in annual operations.



As a result, the annual number of complaints received at the Airport has been steadily declining; the Airport has the lowest noise complaint to total operations ratio among the top 10 busiest airports in the US. The noise complaint to total operations ratio has declined 44% from 2000 to 2010.

A voluntary noise insulation program aimed to make noise sensitive properties more compatible with aircraft noise is ongoing. Different types of properties such as residences, schools, daycares, community centers, etc. are eligible for the program and the treatments available to reduce interior noise levels are provided at no cost to the property owner.

Recycling

The DOA places high importance on recycling. Monitoring of recycling efforts continued in 2010 as presented in the table below.

2009-2010 RECYCLING DATA FOR DOA FACILITIES			
Recyclable Material	Location	2009	2010
Cardboard and Mixed Paper ¹ tons	CPTC	587	2,127
Mixed Paper ² tons	Tech Campus	6.8	7.7
Used Cooking Oil ³ gallons	Concessions	20,464	TBD
Universal Waste Bulbs ¹	CPTC	28,619	25,979
Batteries ¹ lbs	CPTC	368	146
Batteries ² lbs	DOA Operations	120	0

1. Municipal Solid Waste Disposal Data, 2009, AATC
2. Data from DOA ETS Division for 2009

3. Data from DOA Concessions Division for 2009

Produced by Planning and
Environmental Division

Department of Aviation



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