

AR 226-1877

Biennial Report for Emissions of PFOA
Calendar Year 2003
DuPont – Washington Works

Note: The information contained in this document is submitted voluntarily and may be subject to future revision and/or modification.

This report is submitted pursuant to commitments made by DuPont in a March 14, 2003, Letter of Intent (LOI) to Stephen L. Johnson, Assistant Administrator, USEPA, entitled "Voluntary Actions to Evaluate and Control Emissions of Ammonium Perfluorooctanoate (APFO). More specifically, in accordance with commitments under "Section D.2, Product Stewardship for Sites that Use APFO" of the LOI, a manufacturing facility that uses APFO is required to submit a biennial report of total APFO emissions on a calendar year basis starting in 2004 for calendar year 2003 and continuing to 2008. This report provides such information for calendar year 2003 the facility described below.

While APFO is the substance used at the facility, the substance measured by analytical techniques is the perfluorooctanoate anion (PFO⁻), which is reported herein as perfluorooctanoic acid (PFOA).

General Facility Information

Company Name: E. I. Du Pont de Nemours and Company
Site Location: DuPont - Washington Works
8480 DuPont Road
Washington, WV 26181

Emissions from the Facility: Air/Water/Waste – Calendar Year 2003

	Pounds PFOA*
Emitted to Air	5,866
Discharged to Water	4,321
Wastes Incinerated Off-site	41,503
Wastes to Off-site	2,472
Biotreatment/Landfill	

* CAS RN 335-67-1

Basis for Reported Values:

Air: Emissions are estimated using engineering calculations that incorporate production data, factors for APFO usage, distribution between water and product materials and

scrubber efficiencies. The factors are re-evaluated as new test data becomes available.

- Water: Discharges are estimated using the approach applied to air emissions but apply factors for carbon bed adsorption efficiencies in place of scrubber collection efficiencies. Monitoring data required by the facility's NPDES permit (issued mid-2003) will be incorporated in future reports.
- Waste: The reported values include the APFO content in solid wastes sent to off-site commercial treatment facilities for either incineration or biotreatment. Sludges from the biotreatment facility are deposited in a commercial landfill. Incinerated materials include in-process wastes and off-quality materials that have been characterized to determine typical PFOA levels. Activated carbon from the water treatment units is also incinerated. PFOA levels treated in this manner are estimated using the approach applied to water discharges.