

**2005 Estimated Public Health Costs
from Residual Fuel Oil Shipped to Chalk Point**

Date of Shipment	Barrels of Residual Fuel Oil*	Gallons of Residual Fuel Oil	Residual Fuel Oil Sulfur Content	Filterable PM Emission Factor (lb/1000 gal)**	Filterable PM (lb/1000 gal)	Tons of Filterable PM	Public Health Cost per Ton of Filterable PM***
Jan-05	304699	12797358	0.7	9.653	123532.89	61.76	
Jan-05	212564	8927688	1	12.41	110792.6	55.39	
Feb-05	70651	2967342	0.7	9.653	28643.752	14.32	
Mar-05	9842	413364	0.7	9.653	3990.2026	1.99	
Mar-05	219791	9231222	1	12.41	114559.46	57.27	
Jun-05	258640	10862880	0.7	9.653	104859.38	52.42	
Jun-05	211772	8894424	1	12.41	110379.8	55.18	
Jul-05	218935	9195270	0.7	9.653	88761.941	44.38	
Jul-05	340306	14292852	0.7	9.653	137968.9	68.98	
Aug-05	96380	4047960	0.7	9.653	39074.957	19.53	
Aug-05	256308	10764936	0.7	9.653	103913.92	51.95	
Sep-05	166507	6993294	0.7	9.653	67506.266	33.75	
Sep-05	267606	11239452	1	12.41	139481.59	69.74	
Oct-05	17742	745164	0.7	9.653	7193.068	3.59	
Oct-05	305239	12820038	1	12.41	159096.67	79.54	
Nov-05	36021	1512882	0.7	9.653	14603.849	7.3	
Nov-05	105617	4435914	1	12.41	55049.692	27.52	
Dec-05	278662	11703804	0.7	9.653	112976.82	56.48	
Dec-05	300780	12632760	1	12.41	156772.55	78.38	
2005 Total	3678062				1679158.308	839.47	\$8,394,700 - \$83,947,000

*Energy Info. Admin., Dep't of Energy, Form EIA-423 Database, Monthly Nonutility Fuel Receipts and Fuel Quality Data (2006), available at <http://www.eia.doe.gov/cneaf/electricity/page/eia423.html>

**U.S. Envtl. Prot. Agency, Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, § 1.3 (Sept. 1998), available at <http://www.epa.gov/ttn/chieff/ap42/ch01/index.html> (9.19(S)+3.22)

***The Office of Management and Budget estimates public health costs ranging from \$10,000 to \$100,000 per ton of PM pollution. Office of Mgmt & Budget, Report to Congress on the Costs and Benefits of Federal Regulations and Unfunded Mandates on State, Local, and Tribal Entities, Appendix B (2006), available at http://www.whitehouse.gov/omb/inforeg/2006_cb/2006_cb_final_report.pdf.

This analysis assumes all residual fuel oil shipped to the Chalk Point facility was burned at the Chalk Point facility.

**2006 Estimated Public Health Costs
from Residual Fuel Oil Shipped to Chalk Point**

Date of Shipment	Barrels of Residual Fuel Oil*	Gallons of Residual Fuel Oil	Residual Fuel Oil Sulfur Content	Filterable PM Emission Factor (lb/1000 gal)**	Filterable PM (lb/1000 gal)	Tons of Filterable PM	Public Health Cost per Ton of Filterable PM***
Jan-06	63550	2669100	1	12.41	33123.531	16.56	
Feb-06	31731	1332702	0.7	9.653	12864.572	6.43	
Mar-06	475	19950	0.7	9.653	192.57	0.09	
Jun-06	1970	82740	0.7	9.653	798.68	0.39	
Jun-06	2560	107520	0.7	9.653	1037.89	0.51	
Jul-06	17189	721938	0.7	9.653	6968.867	3.48	
Jul-06	39980	1679160	1	12.41	20838.375	10.41	
Aug-06	45542	1912764	1	12.41	23737.401	11.86	
Aug-06	71238	2991996	0.7	9.653	28881.737	14.44	
Sep-06	2096	88032	0.7	9.653	849.772	0.42	
Dec-06	15010	630420	0.7	9.653	6085.444	3.04	
2006 Total	291341				135378.839	67.63	\$676,300 - \$6,763,000

*Energy Info. Admin., Dept of Energy, Form EIA-423 Database, Monthly Nonutility Fuel Receipts and Fuel Quality Data (2006), available at <http://www.eia.doe.gov/cneaf/electricity/page/eia423.html>

**U.S. Envtl. Prot. Agency, Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, § 1.3 (Sept. 1998), available at <http://www.epa.gov/ttn/chief/ap42/ch01/index.html> (9.19(S)+3.22)

***The Office of Management and Budget estimates public health costs ranging from \$10,000 to \$100,000 per ton of PM pollution. Office of Mgmt & Budget, Report to Congress on the Costs and Benefits of Federal Regulations and Unfunded Mandates on State, Local, and Tribal Entities, Appendix B (2006), available at http://www.whitehouse.gov/omb/infomag/2006_cb/2006_cb_final_report.pdf.

This analysis assumes all residual fuel oil shipped to the Chalk Point facility was burned at the Chalk Point facility.

**2007 Estimated Public Health Costs
from Residual Fuel Oil Shipped to Chalk Point**

Date of Shipment	Barrels of Residual Fuel Oil*	Gallons of Residual Fuel Oil	Residual Fuel Oil Sulfur Content	Filterable PM Emission Factor (lb/1000 gal)**	Filterable PM (lb/1000 gal)	Tons of Filterable PM	Public Health Cost per Ton of Filterable PM***
Jan-07	31668	1330056	1	12.41	16505.994	8.25	
Jan-07	17742	745164	0.7	9.653	7193.068	3.59	
Feb-07	268141	11261922	1	12.41	139760.45	69.88	
Feb-07	123455	5185110	0.7	9.653	50051.866	25.02	
Mar-07	50026	2101092	0.7	9.653	20281.841	10.14	
Apr-07	793	33306	1	12.41	413.327	0.2	
May-07	28	1176	0.7	9.653	11.351	0	
Jun-07	24	1008	0.7	9.653	9.73	0	
2007 Total	491877				234227.627	117.08	\$1,170,800 - \$11,708,000

*Energy Info. Admin., Dep't of Energy, Form EIA-423 Database, Monthly Nonutility Fuel Receipts and Fuel Quality Data (2006), available at <http://www.eia.doe.gov/cneaf/electricity/page/eia423.html>

**U.S. Env'tl. Prot. Agency, Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, § 1.3 (Sept. 1998), available at <http://www.epa.gov/ttn/chieff/ep42/ch01/index.html> (9.19(S)+3.22)

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