

<b>2005 ANNUAL STACK TEST RESULTS - Onondaga County, NY, Resource Recovery Facility</b>						
>>> Testing performed May 9-13, 2005	<b>Average Measured Emissions</b>			<b>Permit</b>	<b>% of</b>	<b>Pass/</b>
<b>Constituent</b>	<b>Unit 1</b>	<b>Unit 2</b>	<b>Unit 3</b>	<b>Limit<sup>1</sup></b>	<b>Limit<sup>2</sup></b>	<b>Fail?</b>
					Facility Ave	(P/F)
Particulates (gr/dscf @ 7% O <sub>2</sub> )	0.00184	0.00131	0.00166	<b>0.010</b>	16.0	<b>P</b>
Particulates (mg/dscm)	4.22	2.99	3.80	<b>27</b>	13.6	<b>P</b>
Sulfur Dioxide (ppmdv @ 7% O <sub>2</sub> )	1.05	0.11	0.00	<b>30</b>	1.3	<b>P</b>
Sulfur Dioxide (lb/hr)	0.44	0.04	0.00	<b>16.2</b>	1.0	<b>P</b>
Nitrogen Oxides (ppmdv @ 7% O <sub>2</sub> )	159	167	178	<b>180</b>	93.3	<b>P</b>
Nitrogen Oxides (lb/hr)	48.9	46.8	55.6	<b>58</b>	87.0	<b>P</b>
Carbon Monoxide (ppmdv @ 7% O <sub>2</sub> )	5.76	3.05	6.61	<b>45</b>	11.4	<b>P</b>
Carbon Monoxide (lb/hr)	1.07	0.52	1.25	<b>8.04</b>	11.8	<b>P</b>
Polychlorinated Dibenzo-p-Dioxins and Furans						
(ng/dscm @ 7% O <sub>2</sub> ) - Total	1.49	0.809	0.611	<b>30</b>	3.2	<b>P</b>
(ug/dscm @ 7% O <sub>2</sub> ) - NY TEFs	0.0000154	0.0000104	0.00000866	<b>0.0004</b>	2.9	<b>P</b>
(lb/hr) - NY TEFs	2.35E-09	1.52E-09	1.34E-09	<b>1.29E-07</b>	1.3	<b>P</b>
Hydrogen Chloride (ppmdv @ 7% O <sub>2</sub> )	2.02	4.00	3.74	<b>25</b>	13.0	<b>P</b>
Hydrogen Chloride (lb/hr)	0.50	0.918	0.896	<b>5.24</b>	14.7	<b>P</b>
HCl Removal Efficiency (%)	99.7	99.5	99.5	<b>95 (min)</b>		<b>P</b>
Ammonia (ppmdv @ 7% O <sub>2</sub> )	2.55	1.17	2.82	<b>50</b>	4.4	<b>P</b>
Ammonia (lb/hr)	0.295	0.124	0.315	<b>4.88</b>	5.0	<b>P</b>
Cadmium (mg/dscm)	0.000330	0.000478	0.000797	<b>0.040</b>	1.3	<b>P</b>
Cadmium (lb/hr)	5.43E-05	7.07E-05	1.26E-04	<b>1.90E-03</b>	4.4	<b>P</b>
Lead (mg/dscm)	0.00507	0.00929	0.0333	<b>0.44</b>	3.6	<b>P</b>
Lead (lb/hr)	8.29E-04	1.38E-03	5.26E-03	<b>3.81E-02</b>	6.5	<b>P</b>
Mercury (ug/dscm @ 7% O <sub>2</sub> )	2.14	5.26	7.37	<b>28</b>	17.6	<b>P</b>
Mercury (lb/hr)	0.000354	0.000788	0.00118	<b>0.012</b>	6.5	<b>P</b>
Mercury Removal Efficiency (%)	98.3	96.4	96.6	<b>85 (min)</b>		<b>P</b>
PM <sub>10</sub> (gr/dscf @ 7% O <sub>2</sub> )	0.000338	0.000311	0.000361	<b>0.010</b>	3.4	<b>P</b>
PM <sub>10</sub> (lb/hr)	0.134	0.110	0.137	<b>3.16</b>	4.0	<b>P</b>
<sup>1</sup> Permit limits obtained from Covanta Onondaga, LP, New York State Department of Environmental Conservation Title V Permit Number 7-3142-00028/00009, issued 1/8/2002 with Modification 1 effective date of 3/24/2003						
<sup>2</sup> Calculated as the average of the three unit test runs (each unit result is an average of three replicate test runs) over the Permit limit expressed as a percent						
<b>Units:</b>						
gr/dscf = grains per dry standard cubic foot						
ppmdv = parts per million dry volume						
lb/hr = pounds per hour						
ng/dscm = nanograms (billionth's of a gram) per dry standard cubic meter						
ug/dscm = micrograms (millionth's of a gram) per dry standard cubic meter						
mg/dscm = milligrams (thousandth's of a gram) per dry standard cubic meter						
all volumetric test results are reported at 7% oxygen (Q)						
min = minimum permit limit percentage						
E = test result expressed in scientific notation (base 10)						