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DIVISION OF AIR
RESOURCE MANAGEMENT

Technical Center
101 Hampton Avenue
Needham, MA 02494
Tel: 781-972-2300

February 9, 2012

Mr. Jason Waters
Environmental Protection Commission of Hillsborough County
Roger P Stewart Center
3629 Queen Palm Rd
Tampa FL 33619
813-627-2600

Re: Operating permit No. 0571326-003-AO/004-AC condition 21e submission

Dear Mr. Waters,

Enclosed are the monthly mercury throughput results for the high carbon fly ash stream through December 2011 for the Separation Technologies' fly ash processing facility as specified in our operating permit specific condition 21e.

Please contact me directly, if you have any questions about the enclosed information.

Regards,



Frank Hrach
Director of Process Engineering
Separation Technologies LLC
781-972-2311 office

cc

ALinero
RWiechert

FDEP
ST (via email)

Hg Summary

	Composite		Estimated	Composite		Composite	Estimated	Composite		Composite	Estimated
	Feed ash	Feed ash	Feed ash	ProAsh	ProAsh	ProAsh	ProAsh	HCFA	HCFA	HCFA	HCFA
	processed	LOI	Hg level	produced	LOI	Hg level	est. Hg rate	produced	LOI	Hg level	Hg rate
	stons	wt%	ppm	stons	wt%	ppm	lb/month	stons	wt%	ppm	lb/month
Mar-08	2441	7.1	0.200	1630	2.6	0.062	0.20	811	12.6	0.403	0.65
Apr-08	6260	7.6	0.187	4173	3.2	0.058	0.48	2087	21.5	0.548	2.29
May-08	3528	5.0	0.235	2028	2.6	0.108	0.44	1500	11.7	0.499	1.50
Jun-08	9701	6.2	0.234	5620	2.4	0.097	1.09	4081	15.2	0.546	4.46
Jul-08	16417	8.5	0.376	10407	3.8	0.118	2.46	6010	17.4	0.578	6.95
Aug-08	9693	7.1	0.557	4299	4.1	0.255	2.19	5394	10.7	0.779	8.40
Sep-08	12218	5.7	0.406	7686	3.6	0.204	3.14	4532	9.3	0.644	5.84
Oct-08	11481	4.7	0.314	8885	3.0	0.147	2.61	2596	16.5	1.213	6.30
Nov-08	11014	4.5	0.389	7694	3.1	0.255	3.92	3320	7.7	0.728	4.83
Dec-08	9788	5.9	0.682	6894	3.4	0.261	3.60	2894	10.5	1.087	6.29
Jan-09	16133	6.3	0.243	11015	3.3	0.104	2.29	5118	8.0	0.525	5.37
Feb-09	13801	7.1	0.180	9015	3.1	0.081	1.46	4786	11.2	0.347	3.32
Mar-09	18134	7.9	0.274	10900	3.2	0.106	2.31	7234	15.5	0.540	7.81
Apr-09	13405	7.0	0.190	8777	3.1	0.065	1.14	4628	15.9	0.445	4.12
May-09	16634	6.4	0.192	11417	3.2	0.067	1.53	5217	14.8	0.523	5.46
Jun-09	20278	6.4	0.219	14547	3.4	0.102	2.97	5731	14.7	0.602	6.90
Jul-09	18046	6.0	0.470	10221	3.3	0.178	3.64	7825	11.3	0.833	13.04
Aug-09	17875	5.1	0.480	10867	3.5	0.273	5.93	7008	8.5	0.817	11.45
Sep-09	18402	5.0	0.438	13182	3.3	0.24	6.33	5220	10.9	0.912	9.52
Oct-09	14280	4.6	0.355	10770	2.9	0.215	4.63	3510	9.9	0.783	5.50
Nov-09	11835	4.8	0.298	8443	3.3	0.218	3.68	3392	8.3	0.783	5.31
Dec-09	20754	5.7	0.543	12744	3.5	0.246	6.27	8010	9.4	0.844	13.52
Jan-10	12437	5.9	0.418	7890	4.0	0.2	3.16	4547	9.1	0.653	5.94
Feb-10								5798	12.1	1.191	13.81
Mar-10								6044	11.2	0.993	12.00
Apr-10								4809	15.6	0.990	9.52
May-10								4005	22.5	1.154	9.24
Jun-10								5200	18.6	0.651	6.77
Jul-10								5106	16.0	0.665	6.79
Aug-10								4281	15.7	0.948	8.12
Sep-10								3699	19.0	0.927	6.86
Oct-10								9322	10.2	1.001	18.66
Nov-10								6790	12.4	1.384	18.79
Dec-10								3792	12.5	2.120	16.08
Jan-11								3135	14.7	2.330	14.61
Feb-11								4858	14.1	1.303	12.66
Mar-11								4764	10.0	1.229	11.71
Apr-11								5713	10.4	1.594	18.21
May-11								2589	15.9	2.731	14.14
Jun-11								4986	11.2	1.695	16.90
Jul-11								3610	11.6	1.660	11.99
Aug-11								5028	10.9	1.473	14.81
Sep-11								4933	12.5	1.684	16.61
Oct-11								3131	15.6	1.781	11.15
Nov-11								3894	13.2	1.808	14.08
Dec-11								3141	10.5	1.742	10.94
12-month rolling total								49782		1.686	168

Feed Ash = Raw Flyash from Big Bend

ProAsh= Mineral enriched Flyash

HCFA = Carbon enriched Flyash



G and C Coal Analysis Lab., Inc.

1341 Hoffman Hollow Road

Summerville, Pa 15864

814-849-2559

Fax: 814-849-8878

Received From:

SEPARATION TECHNOLOGIES LLC

101 HAMPTON AVE.

NEEDHAM, MA 02494

Date Received: 01/27/12

Date Reported: 02/01/12

PO# 154645

* RESULTS REPORTED USING EPA METHOD 7473

<u>Lab #</u>	<u>Sample ID</u>	<u>Mercury/ppb dry</u>
913535	T 1211 AB-C	1742
BCR143	Blank: <5.000 ppb dry	
6477 DUP2	Lab Value 1043 ppb dry	Certified Value: 1100 ppb dry
6477 SPIKE	167 ppb dry	
	Lab Value: 336 ppb	Calculated Value: 350 ppb +/-20%

The above analytical results were obtained following ASTM procedures.

G & C COAL ANALYSIS LAB., INC.

APPROVED BY _____