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**DIVISION OF AIR
RESOURCE MANAGEMENT**

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

April 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 February 2012 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 FDEP
RWiechert ST (via email)

Hg Summary

	Composite				Composite				Composite			
	Feed ash processed	Feed ash LOI	Feed ash Hg level	Estimated Feed ash Hg rate	ProAsh produced	ProAsh LOI	ProAsh Hg level	Estimated ProAsh est. Hg rate	HCFA produced	HCFA LOI	HCFA Hg level	Estimated HCFA Hg rate
	stons	wt%	ppm	lb/month	stons	wt%	ppm	lb/month	stons	wt%	ppm	lb/month
Mar-08	2441	7.1	0.200	0.98	1630	2.6	0.062	0.20	811	12.6	0.403	0.65
Apr-08	6260	7.6	0.187	2.34	4173	3.2	0.058	0.48	2087	21.5	0.548	2.29
May-08	3528	5.0	0.235	1.66	2028	2.6	0.108	0.44	1500	11.7	0.499	1.50
Jun-08	9701	6.2	0.234	4.54	5620	2.4	0.097	1.09	4081	15.2	0.546	4.46
Jul-08	16417	8.5	0.376	12.35	10407	3.8	0.118	2.46	6010	17.4	0.578	6.95
Aug-08	9693	7.1	0.557	10.80	4299	4.1	0.255	2.19	5394	10.7	0.779	8.40
Sep-08	12218	5.7	0.406	9.92	7686	3.6	0.204	3.14	4532	9.3	0.644	5.84
Oct-08	11481	4.7	0.314	7.21	8885	3.0	0.147	2.61	2596	16.5	1.213	6.30
Nov-08	11014	4.5	0.389	8.57	7694	3.1	0.255	3.92	3320	7.7	0.728	4.83
Dec-08	9788	5.9	0.682	13.35	6894	3.4	0.261	3.60	2894	10.5	1.087	6.29
Jan-09	16133	6.3	0.243	7.84	11015	3.3	0.104	2.29	5118	8.0	0.525	5.37
Feb-09	13801	7.1	0.180	4.97	9015	3.1	0.081	1.46	4786	11.2	0.347	3.32
Mar-09	18134	7.9	0.274	9.94	10900	3.2	0.106	2.31	7234	15.5	0.540	7.81
Apr-09	13405	7.0	0.190	5.09	8777	3.1	0.065	1.14	4628	15.9	0.445	4.12
May-09	16634	6.4	0.192	6.39	11417	3.2	0.087	1.53	5217	14.8	0.523	5.46
Jun-09	20278	6.4	0.219	8.88	14547	3.4	0.102	2.97	5731	14.7	0.602	6.90
Jul-09	18046	6.0	0.470	16.96	10221	3.3	0.178	3.64	7825	11.3	0.833	13.04
Aug-09	17875	5.1	0.480	17.16	10867	3.5	0.273	5.93	7008	8.5	0.817	11.45
Sep-09	18402	5.0	0.438	16.12	13182	3.3	0.24	6.33	5220	10.9	0.912	9.52
Oct-09	14280	4.6	0.355	10.14	10770	2.9	0.215	4.63	3510	9.9	0.783	5.50
Nov-09	11835	4.8	0.298	7.05	8443	3.3	0.218	3.68	3392	8.3	0.783	5.31
Dec-09	20754	5.7	0.543	22.54	12744	3.5	0.246	6.27	8010	9.4	0.844	13.52
Jan-10	12437	5.9	0.418	10.40	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
Jan-12									4333	11.2	1.554	13.47
Feb-12									4810	13.8	1.521	14.63
12-month rolling total									50932		1.656	169

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: 03/22/12

Date Reported: 03/30/12

PO# 158206

*** RESULTS REPORTED USING EPA METHOD 7473**

<u>Lab #</u>	<u>Sample ID</u>	<u>Mercury/ppb dry</u>
918746	T 0212 AB-C	1521

BCR143
89633 DUP2
89633 SPIKE

Blank: <5.000 ppb dry
Lab Value 1045 ppb dry Certified Value: 1100 ppb dry
527 ppb dry
Lab Value: 665 ppb Calculated Value: 600 ppb +/-20%

The above analytical results were obtained following ASTM procedures.

G & C COAL ANALYSIS LAB., INC.

APPROVED BY _____