

Mirant Chalk Point, LLC
Chalk Point Generating Station
125100 Chalk Point Road, Aquasco, MD. 20608
T 301-843-4439 F 301-843-4156

RECEIVED
MAR 02 2009
Solid Waste Program



Mr. Edward M. Dexter, Administrator
Solid Waste Program, Suite 605
Maryland Dept. of the Environment
18000 Washington Boulevard
Baltimore, MD. 21230

Re: 2008 CCB Tonnage Report – Chalk Point LLC, Chalk Point Generating Station

Dear Mr. Dexter,

Pursuant to COMAR 26.04.10.08 that states that generators of coal combustion byproducts (CCBs) file an annual report by March 1 describing the manner in which CCBs were managed during the preceding year, Mirant Chalk Point LLC hereby submits said report for coal combustion byproducts generated at its Chalk Point Generating Station. In addition, since this is the first year reporting, information concerning CCB activity for the last five (5) years is also included in the report, to the extent that it was known, in accordance with the regulations.

Please feel free to contact me at 301-955-9051 should you have any questions or concerns regarding this report.

Sincerely,

Elizabeth A. Spitzer
Environmental Analyst
8301 Professional Place
Suite 230
Landover, MD. 20785

Enclosures

**Coal Combustion Byproducts (CCB)
Annual Generator Tonnage Report**

MAR 02 2009

**DESIGN & CERTIFICATION
DIVISION**

Instructions for Calendar Year 2008

The following is general information relating to the requirement for reporting quantities of coal combustion byproducts that were managed in the State of Maryland during calendar year 2008. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form.

I. Background. This requirement that generators of coal combustion byproducts (CCBs) submit an annual report was instituted in the Code of Maryland Regulations COMAR 26.04.10.08, that was promulgated effective December 1, 2008. The regulation requires that any non-residential generator of CCBs submit a report to the Department by March 1 of each year describing the manner in which CCBs generated within the State were managed during the preceding calendar year. In addition, for this first report, information concerning CCB activity during the past 5 years is required to be submitted, to the extent that this is known. Additional information and specific instructions follow. For more detailed information, please refer to COMAR 26.04.10.08.

II. General Information and Applicability.

A. Definitions. Coal combustion byproducts are defined in COMAR 26.04.10.02B as:

*"(3) Coal Combustion Byproducts. (a) "Coal combustion byproducts" means the residue generated by or resulting from the burning of coal.
(b) "Coal combustion byproducts" includes fly ash, bottom ash, boiler slag, pozzolan, and other solid residuals removed by air pollution control devices from the flue gas and combustion chambers of coal burning furnaces and boilers, including flue gas desulfurization sludge and other solid residuals recovered from flue gas by wet or dry methods. "*

A generator of CCBs is defined in COMAR 26.04.10.02B as:

*"(9) Generator.
(a) "Generator" means a person whose operations, activities, processes, or actions create coal combustion byproducts.
(b) "Generator" does not include a person who only generates coal combustion byproducts by burning coal at a private residence."*

Facility Name: Chalk Point Generating Station **CCB Tonnage Report – 2008**

B. Applicability. If you or your company meet the definition of a generator of CCBs as defined above, you must provide the information as required below. For the purposes of this report, “you” shall hereinafter refer to the generator defined above. Please note that COMAR 26.04.10.08 requires generators of CCBs to submit an annual report to the Department concerning the disposition of the CCBs that they generated the previous year.

III. Required Information. The following information must be provided to the Department by March 1, 2009:

A. Contact information:

Facility Name: Chalk Point Generating Station

Name of Permit Holder: Chalk Point, LLC

Facility Address: 25100 Eagle Harbor Road
Street

Facility Address: Aquasco Maryland 20608
City State Zip

County: Prince George’s

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 301-843-4100 Facility Fax No.: 301-843-4281

Contact Name: Elizabeth Spitzer

Contact Title: Environmental Analyst

Contact Address: 8301 Professional Place
Street

Contact Address: Landover MD. 20785
City State Zip

Contact Email: elizabeth.spitzer@mirnat.com

Contact Telephone No.: 301-955-9051 Contact Fax No.: 301-955-9074

For questions on how to complete this form, please call Mr. Tariq Masood, Head of the Office of Reports and Data Management, Solid Waste Program at 410-537-3326.

B. A description of the process that generates the coal combustion byproducts, including the type of coal or other raw material that generates the coal combustion byproducts. If the space provided is insufficient, please attach additional pages:

(See Attachment A)

C. In the first Annual Report you submit, the annual volume of coal combustion byproducts generated during the last 5 calendar years, including an identification of the different types of coal combustion byproducts generated and the volume of each type generated. (Please note that in subsequent years you need only provide the information in this paragraph for the last calendar year.) If the space provided is insufficient, please attach additional pages in a similar format:

Table I: Volume of CCBs Generated for Previous 5 Years:

Reporting Year	Volume of CCB Type:	Volume of CCB Type:	Volume of CCB Type:
	Flyash	Bottom Ash	_____
2008	180.5	22.0	
2007	142.5	17.3	
2006	184.0	22.5	
2005	167.0	17.0	
2004	177.6	78.4	

Additional notes:

Note: Values reported in thousand tons dry.

D. Descriptions of any modeling or risk assessments, or both, conducted relating to the coal combustion byproducts or their use, that were performed by you or your company during the reporting year. Please attach this information to the report.

E. Copies of all laboratory reports of all chemical characterizations of the coal combustion byproducts. Please attach this information to the report. **(See Attachment B.)**

F. In this first Annual Report you submit, a description of how you disposed of or used your coal combustion byproducts in the last 5 calendar years (Please note that in subsequent years you need only provide the information in this paragraph for the last calendar year), identifying:

(a) The types and volume of coal combustion byproducts disposed of or used (if different than described in Paragraph C above), the location of disposal, mine reclamation and use sites, and the type and volume of coal combustion byproducts disposed of or used at each site:

Flyash: Approximately 180,000 tons generated per year, of which less than One (1) percent sold, and ninety-nine (99) percent disposed of at the Brandywine Ash Site located in Prince George's County, MD.

Bottom Ash: Approximately 22,000 tons generated of which thirty-nine percent will be sold, forty-six percent used on site and fifteen (15) percent disposed of at the Brandywine Ash Site located in Prince George's County, MD.

(See Attachment C for additional volume information.)

and (b) The different uses by type and volume of coal combustion byproducts:

Flyash:

Uses: Concrete, concrete products, grout,

Volume: Less than one (1) percent or 360 tons.

Bottom Ash:

Uses: Concrete, concrete products, grout, aggregate

Volume: Thirty-nine percent or 12,350 tons eighty percent(80) to be used for concrete, concrete products and grout and approximately twenty percent to be used for aggregate.

If the space provided is insufficient, please attach additional pages in a similar format. . (Please note that in subsequent years you need only provide the information in Section F for the last calendar year).

G. A description of how you intend to dispose of or use coal combustion byproducts in the next 5 years, identifying:

(a) The types and volume of coal combustion byproducts intended to be disposed of or used, the location of intended disposal, mine reclamation and use sites, and the type and volume of coal combustion byproducts intended to be disposed of or used at each site:

Flyash: Approximately 180,000 tons generated per year, of which less than One (1) percent sold, and ninety-nine (99) percent disposed of at the Brandywine Ash Site located in Prince George's County, MD.

Bottom Ash: Approximately 22,000 tons generated of which thirty-nine percent will be sold, forty-six percent used on site and fifteen (15) percent to be disposed of at the Brandywine Ash Site located in Prince George's County, MD.

In addition, beginning in 2010 and 2011, an average of 175,000 tons of gypsum will begin to be produced on an annual basis at the facility's Unit 1 and Unit 2 respectively. All of the gypsum will be transported to Buchannan, New York for the manufacture of wall board..

and (b) The different intended uses by type and volume of coal combustion byproducts.

Flyash:

Uses: Concrete, concrete products, grout,

Volume: Less than one (1) percent or 360 tons.

Bottom Ash:

Uses: Concrete, concrete products, grout, aggregate

Volume: Thirty-nine percent or 12,350 tons eighty percent(80) to be used for concrete, concrete products and grout and approximately twenty percent to be used for aggregate.

Gypsum:

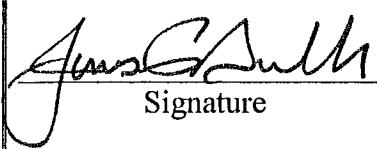
Uses: Wallboard

Volume: 100% or 175,000 tons on average.

If the space provided is insufficient, please attach additional pages in a similar format.

IV. Signature and Certification. An authorized official of the generator must sign the annual report, and certify as to the accuracy and completeness of the information contained in the annual report:

This is to certify that, to the best of my knowledge, the information contained in this report and any attached documents are true, accurate, and complete.

 Signature	<p><u>James P. Garlick, SR. VP-Operations</u> 678-579-5040</p> <hr/> Name, Title, & Telephone No. (Print or Type)	<p><u>2-24-09</u></p> <hr/> Date
	<p><u>jim.garlick@mirant.com</u> Your Email Address</p>	

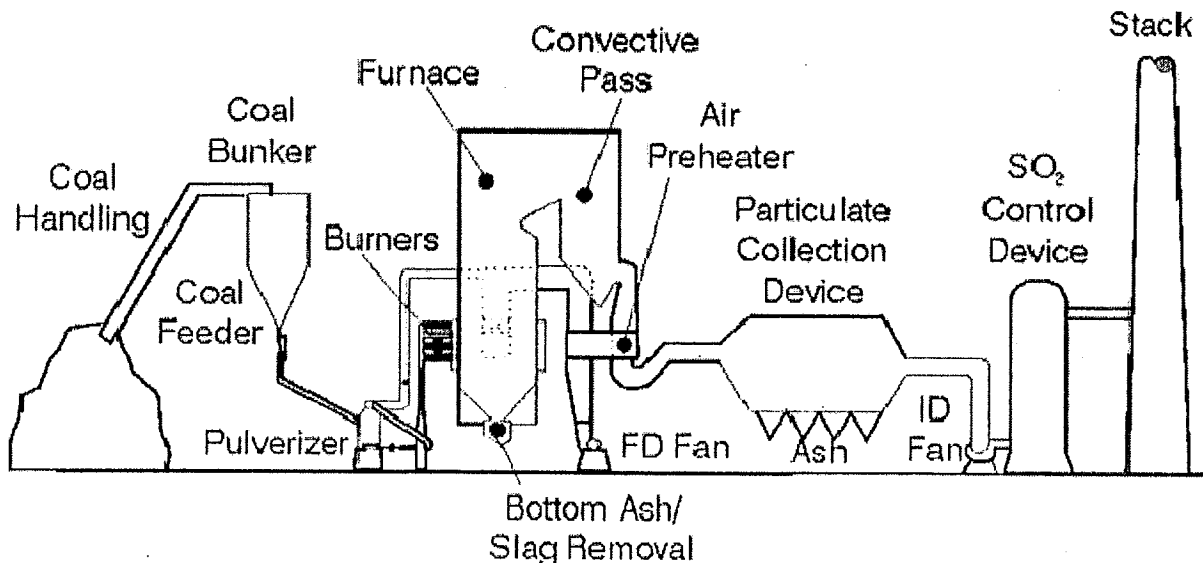
Attachment A

Chalk Point Generating Station
25100 Eagle Harbor Road,
Aquasco, Prince George's County, MD. 20608
301-843-4100

The Chalk Point Generating Station is located on the Patuxent River at Swanson's Creek in Prince George's County, MD. The facility is engaged in the generation of electrical energy for sale. The primary SIC code is 4911. There are two coal burning, tangentially fired units each with a superheater, double reheat and economizer and each rated at 365 MWs (base loaded). The primary fuel for these boilers is bituminous coal. Pollution control devices on Unit 1 include low NO_x burners with Super Over-Fired Air (SOFA), and Selective Catalytic Reduction (SCR) for control of oxides of nitrogen (NO_x); and secondary electrostatic precipitators (ESP) for the control of particulate matter. Pollution control devices on Unit 2 include low NO_x burners with Separated Over-Fired Air (SOFA), and Selective Non-Catalytic Reduction (SNCR) for control of oxides of nitrogen (NO_x); and secondary electrostatic precipitators (ESP) for the control of particulate matter. Units 1 & 2 exhaust through a common single stack.

Coal is currently delivered by rail. The rail cars are emptied using a rotary dumper then transferred by conveyor and dravo to either a storage pile or is fed directly to the units' bunker.

The illustration below shows a simple schematic diagram for a typical pulverized coal combustion system. The coal is prepared by grinding to a very fine consistency for combustion.



Future SO₂ Control 1

Attachment A

The CCBs currently produced and used are a result of the combustion of pulverized coal.

Ash is formed in the boiler while coal combusts. In general, pulverized coal combustion results in approximately 65%–85% fly ash, and the remainder is coarser bottom ash. Bottom ash is a coarse material and falls to the bottom of the boiler. Fly ash is finer than bottom ash and is carried along the combustion process with flue gas. Particulate collection devices remove fly ash from the flue gas and the collected ash is transferred to one of two ash silos. Flyash that is not marketed is sent to the Brandywine Ash Site, located in Prince George's County, MD. The bottom ash is conveyed out of the bottom of the boiler via a wet sluice system to hydrobins, where the water is then decanted and the bottom ash either prepared for sale, used on site or sent to the Brandywine Ash Site, where it is often used in the construction of flyash disposal cells.

Attachment B

Certificate of Analysis

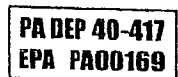
Customer Mirant Mid-Atlantic, LLC
 Patrick Miglio
 21200 Martinsburg Road
 Dickerson, MD 20842

Report Date: April 17, 2007
 Page 1 of 2

Material Tested: Fly Ash
 Date Sampled: 03/16/2007 Time Sampled: 0:00
 Date Received: 03/29/2007
 Client Sample ID: Fly Ash Composite Mirant Chalk Point Generating Station,
 Silo 2/3 Mar07

HawkMtn WO #: 0703-00933-001
 Sampler: Client
 Sample Point ID: Silo 2/3 Mar07

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
pH. Solid	6.7 su	SW846-9040	LAP	04/30/2007	17:00
Aluminum, Dry Weight	31400 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Antimony, Dry Weight	8.85 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Arsenic, As Dry Weight	159 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Barium, Dry Weight	659 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Beryllium, Dry Weight	11.8 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Boron, Dry Weight	61.9 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Cadmium, Dry Weight	2.62 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Calcium, Dry Weight	22000 mg/kg	SW846 6010B	DDF	04/12/2007	18:00
Chromium, Dry Weight	72.2 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Copper, Dry Weight	127 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Iron, Dry Weight	37800 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Lead, Dry Weight	59.1 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Manganese, Dry Weight	47.5 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Mercury, Dry Weight	<0.25 mg/kg	SW846-7471A	DDF	04/12/2007	18:00
Molybdenum, Dry Weight	24.1 mg/kg	SW846-6010B	DDF	04/13/2007	14:30
Nickel, Dry Weight	43.3 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Selenium, Dry Weight	23.8 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Zinc, Dry Weight	77.4 mg/kg	SW846-6010B	DDF	04/12/2007	18:00
Acid Neutralization Potent	2.8 **	EPA 600/2-78-054	ALP	04/12/2007	18:00
SPLP, fluid #1	8.5 su, ending	SW846-1312	MC	04/05/2007	13:32
Aluminum, leachate	0.48 mg/l	SW846-6010B	DDF	03/30/2007	10:44
Arsenic, Leachate	0.67 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Antimony, Leachate	0.05 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Barium, Leachate	0.072 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Beryllium, Leachate	<0.001 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Boron, Leachate	1.23 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Cadmium, Leachate	<0.005 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Chromium, Leachate	0.009 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Copper, Leachate	<0.05 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Iron, Leachate	<0.10 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Lead, Leachate	<0.05 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Manganese, Leachate	<0.010 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Mercury, Leachate	<0.001 mg/l	SW846-7470A	DDF	04/06/2007	18:00
			DDF	04/13/2007	12:00



Certificate of Analysis

Customer Mirant Mid-Atlantic, LLC
Patrick Miglio
21200 Martinsburg Road
Dickerson, MD 20842

Report Date: April 17, 2007

Page 2 of 2

Material Tested: Fly Ash
Date Sampled: 03/16/2007
Date Received: 03/29/2007
Client Sample ID: Fly Ash Composite Mirant Chalk Point Generating Station,
Silo 2/3 Mar07

Time Sampled: 0:00

HawkMtn WO #: 0703-00933-001
Sampler: Client
Sample Point ID: Silo 2/3 Mar07

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
Molybdenum, Leachate	0.735 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Nickel, Leachate	<0.020 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Selenium, Leachate	0.18 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Sodium, Leachate	5.82 mg/l	SW846-6010B	DDF	04/06/2007	18:00
Zinc, Leachate	<0.05 mg/l	SW846-6010B	DDF	04/06/2007	18:00
SPLP Fluid #3, Water	8.5 su, ending	SW846-1312	MC	04/06/2007	18:00
Fluoride	0.72 mg/l	EPA 300 HPLC IC	KB	03/30/2007	10:43
Chloride, Leachate	<1.0 mg/l	EPA 300 HPLC IC	KB	04/02/2007	16:00
Nitrite, Leachate	<0.10 mg/l	EPA 300 HPLC IC	KB	04/02/2007	16:00
Nitrate, Leachate	<0.50 mg/l	EPA 300 HPLC IC	KB	04/02/2007	16:00
Sulfate, Leachate	379 mg/l	EPA 300 HPLC IC	KB	04/02/2007	16:00

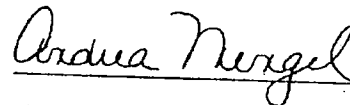
** Tons of CaCo3 equivalent per 1,000 tons of material.

These results relate only to the sample noted above.

This certificate is not to be reproduced except in full,
without the written approval of HawkMtn Labs



Ronald Andrae, Technical Director



Andrea Mengel, Environmental Lab Coordinator

MIRCHA
805-1013-1

Mirant Chalk Point, LLC
25100 Chalk Point Road, Aquasco, MD 20608
T 301-843-4439 F 301-843-4156
Timothy.klares@mirant.com
An ISO 14001 registered facility



April 8, 2008

HawkMtn Labs, Inc.
201 West Clat Ave.
West Hazelton, PA 18202

Re: Mirant Chalk Point, LLC – Fly-Ash Analysis (Mirant PO# SVMA 17060-02)

Dear Sir/Madam:

Please analyze the enclosed fly-ash sample from Chalk Point Generating Station for the following constituents:

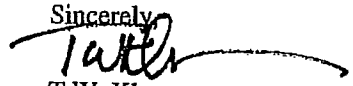
1. PA Module 25 constituents
2. Beryllium
3. Cobalt
4. Silver
5. Thallium
6. Vanadium

TOTAL & Leachate

Handwritten initials

And send the results to me at the address or email listed above.

If you have any questions, please contact me at 301-843-4439.

Sincerely,

T.W. Klares
Environmental Analyst

Gloria Taut 5/20/08 12:00

Certificate of Analysis

Customer: Mirant Corporation
Chalk Point Generating Station
25100 Chalk Point Road
Aquasco, MD 20608

Report Date: June 12, 2008

Page 1 of 2

Material Tested: Fly Ash
Date Sampled: 04/02/2008 Time Sampled: 14:00
Date Received: 05/20/2008
Client Sample ID: 201-208 Comp Fly Ash

HawkMtn WO #: 0805-01013-001
Sampler: Client
Sample Point ID: 201-208 Comp Fly Ash

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
pH, Solid	8.9 su	SW846-9045	LAP	06/02/2008	12:00
Aluminum, Dry Weight	12000 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Antimony, Dry Weight	<5.0 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Arsenic, Dry Weight	112.81 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Barium, Dry Weight	268 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Beryllium, Dry Weight	5.98 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Boron, Dry Weight	97.5 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Cadmium, Dry Weight	3.39 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Calcium, Dry Weight	7170 mg/kg	SW846 6010B	MC	05/23/2008	18:00
Chromium, Dry Weight	47.02 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Cobalt, Dry Weight	85.80 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Copper, Dry Weight	39.81 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Iron, Dry Weight	17630 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Lead, Dry Weight	47.13 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Manganese, Dry Weight	54.35 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Mercury, Dry Weight	<0.25 mg/kg	SW846-7471A	MC	05/22/2008	11:30
Molybdenum, Dry Weight	12.53 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Nickel, Dry Weight	22.21 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Selenium, Dry Weight	19.29 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Silver, Dry Weight	<1.0 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Sodium, Dry Weight	509.50 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Thallium, Dry Weight	<5.0 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Vanadium, Dry Weight	98.411 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Zinc, Dry Weight	41.35 mg/kg	SW846-6010B	MC	05/23/2008	18:00
Acid Neutralization Potent	45 **	EPA 600/2-78-054	LAP	06/10/2008	9:00
SPLP, fluid #1	9.0 su, ending	SW846-1312; 9045	DDF	05/21/2008	8:26
Aluminum, leachate	3.90 mg/l	SW846-6010B	MC	05/23/2008	18:00
Arsenic, Leachate	0.11 mg/l	SW846-6010B	MC	05/23/2008	18:00
Antimony, Leachate	<0.05 mg/l	SW846-6010B	MC	05/23/2008	18:00
Barium, Leachate	0.16 mg/l	SW846-6010B	MC	05/23/2008	18:00
Beryllium, Leachate	<0.010 mg/l	SW846-6010B	MC	05/23/2008	18:00
Boron, Leachate	2.16 mg/l	SW846-6010B	MC	05/23/2008	18:00
Cadmium, Leachate	<0.020 mg/l	SW846-6010B	MC	05/23/2008	18:00



Certificate of Analysis

Customer: Mirant Corporation
Chalk Point Generating Station
25100 Chalk Point Road
Aquasco, MD 20608

Report Date: June 12, 2008

Page 2 of 2

Material Tested: Fly Ash
Date Sampled: 04/02/2008 Time Sampled: 14:00
Date Received: 05/20/2008
Client Sample ID: 201-208 Comp Fly Ash

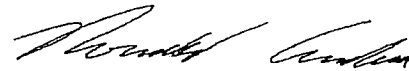
HawkMtn WO #: 0805-01013-001
Sampler: Client
Sample Point ID: 201-208 Comp Fly Ash

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
Chromium, Leachate	<0.025 mg/l	SW846-6010B	MC	05/23/2008	18:00
Cobalt, Leachate	<0.020 mg/l	SW846-6010B	MC	05/23/2008	18:00
Copper, Leachate	<0.02 mg/l	SW846-6010B	MC	05/23/2008	18:00
Iron, Leachate	<0.10 mg/l	SW846-6010B	MC	05/23/2008	18:00
Lead, Leachate	<0.10 mg/l	SW846-6010B	MC	05/23/2008	18:00
Manganese, Leachate	<0.020 mg/l	SW846-6010B	MC	05/23/2008	18:00
Mercury, Leachate	<0.001 mg/l	SW846-7470A	MC	05/22/2008	11:30
Molybdenum, Leachate	0.38 mg/l	SW846-6010B	MC	05/23/2008	18:00
Nickel, Leachate	<0.020 mg/l	SW846-6010B	MC	05/23/2008	18:00
Selenium, Leachate	0.24 mg/l	SW846-6010B	MC	05/23/2008	18:00
Silver, Leachate	<0.010 mg/l	SW846-6010B	MC	05/23/2008	18:00
Sodium, Leachate	8.46 mg/l	SW846-6010B	MC	05/23/2008	18:00
Thallium, Leachate	<0.05 mg/l	SW846-6010B	MC	05/23/2008	18:00
Vanadium, Leachate	0.081 mg/l	SW846-6010B	MC	05/23/2008	18:00
Zinc, Leachate	<0.025 mg/l	SW846-6010B	MC	05/23/2008	18:00
SPLP Fluid #3, Water	9.1 su, ending	SW846-1312; 9045	DDF	05/21/2008	8:26
Fluoride	1.20 mg/l	EPA 300 HPLC IC	SAB	05/21/2008	15:00
Chloride, Leachate	<1.0 mg/l	EPA 300 HPLC IC	SAB	05/21/2008	15:00
Nitrite, Leachate	<0.10 mg/l	EPA 300 HPLC IC	SAB	05/21/2008	15:00
Nitrate, Leachate	<0.50 mg/l	EPA 300 HPLC IC	SAB	05/21/2008	15:00
Sulfate, Leachate	435 mg/l	EPA 300 HPLC IC	SAB	05/21/2008	15:00

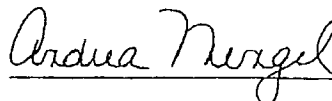
** Tons of CaCO₃ equivalent per 1,000 tons of material.

These results relate only to the sample noted above.

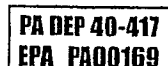
This certificate is not to be reproduced except in full,
without the written approval of HawkMtn Labs



Ronald Andrae, Technical Director



Andrea Mengel, Environmental Lab Coordinator



Certificate of Analysis

Customer: Mirant Corporation
Chalk Point Generating Station
25100 Chalk Point Road
Aguasco, MD 20608

Report Date: June 12, 2008

Page 1 of 1

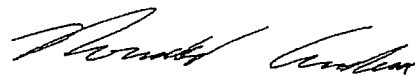
Material Tested: Fly Ash
Date Sampled: 04/02/2008 Time Sampled: 14:00
Date Received: 05/20/2008
Client Sample ID: 201-208 Comp Fly Ash

HawkMtn WO #: 0805-01013-002
Sampler: Client
Sample Point ID: 201-208 Comp Fly Ash

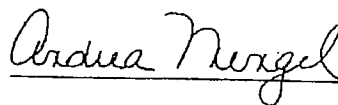
<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
Barium Oxide	0.10 % of ash	ASTM-D6349-00	DDF	05/30/2008	10:45
Strontium Oxide	0.09 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Silicon Dioxide	56.58 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Aluminum Oxide	22.98 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Iron Oxide	10.79 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Calcium Oxide	1.75 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Magnesium Oxide	0.96 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Sodium Oxide	0.46 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Potassium Oxide	2.12 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Titanium Dioxide	1.30 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Sulfur in Ash as SO ₃	0.19 %	ASTM D1757A	DDF	05/30/2008	10:45
Phosphorous Pentoxide	0.18 % of ash	ASTM D6349-00	DDF	05/30/2008	10:45
Ash, As Determined Bases	93.28 %	ASTM D5142	MB	05/22/2008	15:31
Loss on Ignition	6.72 %	ASTM C25, SEC.19	MB	05/22/2008	15:31

These results relate only to the sample noted above.

This certificate is not to be reproduced except in full,
without the written approval of HawkMtn Labs



Ronald Andrae, Technical Director



Andrea Mengel, Environmental Lab Coordinator



August 11, 2008

Mr. Patrick Miglio
Mirant
1400 North Royal Street
Alexandria, VA 22314

Phone: 410-603-01432
E-mail: patrick.miglio@mirant.com

Subject: **Final Report – Chalk Point Fly Ash Chemical/Physical Properties**
Project No. TEC 08-0648
Lab ID. 08-260

Mr. Miglio:

Testing Engineering & Consulting Services Inc. (TEC Services) is pleased to present this report of the chemical analysis completed on the submitted Chalk Point fly ash sample. The sample was received at our laboratory on June 4th, 2008. The chemical analyses were performed by RJ Lee Group, a Pennsylvania Department of Environmental Protection (DEP) accredited laboratory. The physical performance testing was completed by TEC Services in accordance with ASTM C618.

We appreciate the opportunity to provide our services to you. If you should have any questions please feel free to contact us at 770-995-8000.

Sincerely,

Testing, Engineering & Consulting Services, Inc.

James G. McCants III
Staff Chemist

Anne Miller
Staff Engineer

Attachments: Table 1 – Elemental Analysis
Table 2 – Oxide Analysis and Other Properties
Table 3 – Physical Performance Testing

Table 1 – Elemental Analysis

<u>Element</u>	1312/6010C	EPA Methods 3050B/6010C	1311/6010C
	<u>SPLP (mg/L)</u>	<u>Total Metals (ppm)</u>	<u>TCLP (mg/L)</u>
Aluminum	4.11	182,000	2.11
Antimony	<0.0500	<28.2	0.0281
Arsenic	0.0620	120	0.213
Barium	0.466	394	0.581
Beryllium	0.0151	14.2	0.00900
Boron	1.93	144	2.42
Cadmium	<0.0100	5.92	<0.0100
Chromium	<0.0200	206	0.0565
Cobalt	0.0394	<11.3	0.0213
Copper	0.263	140	0.0666
Iron	<0.0500	92,100	<0.0500
Lead	<0.0500	51.8	<0.0500
Manganese	0.510	190	0.325
Mercury	<0.000200	0.0417	0.000275
Molybdenum	0.0294	16.9	0.161
Nickel	0.132	108	0.0843
Selenium	<0.0500	<28.2	0.193
Silver	<0.0200	NA	<0.0200
Sodium	57.6	2,390	NA
Thallium	<0.0500	<28.2	<0.0500
Vanadium	0.0164	291	0.0792
Zinc	0.270	117	0.223
Sulfate	NA	6910	NA
pH	4.23	NA	4.94

Table 2 – ASTM C114 Analysis and Other Properties

<u>Compound</u>	<u>wt. %, Dry Basis</u>		
Silicon Dioxide	37.3		
Aluminum Oxide	18.2		
Iron Oxide	9.21		
Total (SiO ₂ +Al ₂ O ₃ +Fe ₂ O ₃)	64.71		
Calcium Oxide	0.200		
Magnesium Oxide	0.175		
Sodium Oxide	0.239		
Potassium Oxide	1.22		
Titanium Dioxide	1.14		
Manganese Oxide	0.0190		
Phosphorus Pentoxide	0.276		
Strontium Oxide	0.0321		
Barium Oxide	0.0394		
Sulfur Trioxide	0.691		
Loss on Ignition	30.9		
Moisture Content	17.3		
		pH per EPA 9045D	8.81
		Chloride per ASTM D 3987	24.2 ppm
		Nitrate per ASTM D 3987	0.209 ppm
		Sulfate per ASTM D 3987	329 ppm
		Neutralization Potential per ASTM WK 8616	3.75 tons CaCO ₃ eq/1000 tons
		Alkalinity per SM 2320-PA	0.012 CaCO ₃ wt%
		Base to Acid Ratio	0.19
		Silica Ratio	1.36

Table 3 – Physical Performance Testing for ASTM C618

Physical Analysis		Specification (Class F)	
		ASTM C618-03	AASHTO M295-05
Fineness (Amount Retained on #325 Sieve)	19.3	34 % max.	34 % max.
Specific Gravity	1.82		
Strength Activity Index with Portland Cement			
At 7 Days:			
Control Average, psi: 4390	Test Average, psi: 3250	74%	75 % min. (of control)
At 28 Days:			
Control Average, psi: 5770	Test Average, psi: 4330	75%	75 % min. (of control)
Water Requirements (Test H ₂ O/Control H ₂ O)		90%	105 % max. (of control)
Control, mls: 242	Test, mls: 218		105 % max. (of control)
Autoclave Expansion		0.07%	± 0.8 % max.

Chalk Point Ash Mod 25 Test Results

Test Name	SPLP				TCLP		
Laboratory		Hawkmtn	HawkMtn	HawkMtn	N/A		
Sample ID #							
Comment	PADEP Limits				Federal RCRA Limits		
Sample Date		7/31/08	8/26/08	9/3/08			
Sample Time							
pH solid	7.0-12.5	9.4	8.6	7.8			
Aluminum	5.0	1.91	0.73	0.12			
Antimony	0.15	<0.05	<0.05	<0.05			
Arsenic	0.25	<0.10	0.24	0.18	5.0		
Barium	50	0.183	0.199	0.158	100		
Beryllium	0.10	<0.010	<0.010	<0.010			
Boron	15.0	1.00	0.999	0.996			
Cadmium	0.125	<0.02	<0.20	<0.02	1.0		
Chromium	2.5	0.069	0.37	<0.025	5.0		
Cobalt	2.5	<0.02	<0.02	<0.02			
Copper	32.5	<0.02	<0.02	<0.02			
Iron	7.5	<0.10	<0.10	<0.10			
Lead	1.25	<0.10	<0.10	<0.10	5.0		
Manganese	1.25	<0.20	<0.02	<0.20			
Mercury	0.05	<0.001	<0.001	<0.001	0.2		
Molybdenum	4.375	0.48	0.55	0.47			
Nickel	2.5	<0.20	<0.02	<0.20			
Selenium	1.00	0.11	0.18	0.17	1.0		
Silver	2.5	<0.010	<0.01	<0.01			
Thallium	0.05	<0.05	<0.05	<0.05			
Vanadium	6.5	0.209	0.183	0.125			
Zinc	125	<0.025	<0.025	<0.025			
Chloride	2500	48.1	71.6	45.5			
Sulfate	2500	318	703	389			
Sodium	N/A	20.7	33.3	25.3			
Flouride		<20	0.41	0.96			
Nitrite		<0.10	<0.10	<0.10			
Nitrate		1.13	<0.50	<0.50			
**Acid Neutralization	N/A	36.2	60	58.7			



L A B S I N C

201 West Clay Avenue / West Hazleton, PA 18202

PHONE (570) 455-6011 • FAX (570) 455-6321

Certificate of Analysis

Customer: Mirant Corporation
Chalk Point Generating Station
25100 Chalk Point Road
Aguasco, MD 20608

Report Date: October 14, 2008

Page 1 of 2

Material Tested: Fly Ash
Date Sampled: 09/03/2008 Time Sampled: 13:15
Date Received: 09/16/2008

HawkMtn WO #: 0809-00664-003
Sampler: Client
Sample Point ID: September Fly Ash

Client Sample ID: Fly Ash (ash hydro mix) September

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
Module 25A-Ash Quality		EPA SW846			0:00
pH, Solid	7.8 su	SW846-9045	LAP	10/06/2008	16:00
Aluminum, Dry Weight	17700 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Antimony, Dry Weight	<5.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Arsenic, Dry Weight	155 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Barium, Dry Weight	746 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Beryllium, Dry Weight	8.55 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Boron, Dry Weight	60.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Cadmium, Dry Weight	<2.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Calcium, Dry Weight	6470 mg/kg	SW846 6010B	DDF	09/30/2008	18:00
Chromium, Dry Weight	37.4 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Cobalt, Dry Weight	12.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Copper, Dry Weight	68.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Iron, Dry Weight	27300 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Lead, Dry Weight	17.1 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Manganese, Dry Weight	64.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Mercury, Dry Weight	0.57 mg/kg	SW846-7471A	DDF	10/01/2008	12:00
Molybdenum, Dry Weight	19.3 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Nickel, Dry Weight	26.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Selenium, Dry Weight	19.8 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Silver, Dry Weight	<1.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Sodium, Dry Weight	1040 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Thallium, Dry Weight	<5.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Vanadium, Dry Weight	96.1 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Zinc, Dry Weight	45.4 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Acid Neutralization Potent	58.7 **	EPA 600/2-78-054	LAP	09/25/2008	12:00
SPLP, fluid #1	7.7 su, ending	SW846-1312, 9045	DDF	10/03/2008	10:30
Aluminum, leachate	0.12 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Arsenic, Leachate	0.18 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Antimony, Leachate	<0.05 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Barium, Leachate	0.158 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Beryllium, Leachate	<0.010 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Boron, Leachate	0.996 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Cadmium, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00



www.hawkmtlabs.com



Certificate of Analysis

Customer: Mirant Corporation
 Chalk Point Generating Station
 25100 Chalk Point Road
 Aquasco, MD 20608

Report Date: October 14, 2008
 Page 2 of 2


Material Tested:	Fly Ash	HawkMtn WO #:	0809-00664-003
Date Sampled:	09/03/2008	Time Sampled:	13:15
Date Received:	09/16/2008	Sampler:	Client
Client Sample ID:	Fly Ash (ash hydro mix) September	Sample Point ID:	September Fly Ash

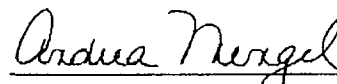
Test Name	Test Results	Method	Technician	Analysis Date	Time
Chromium, Leachate	<0.025 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Cobalt, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Copper, Leachate	<0.02 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Iron, Leachate	<0.10 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Lead, Leachate	<0.10 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Manganese, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Mercury, Leachate	<0.001 mg/l	SW846-7470A	DDF	10/09/2008	14:30
Molybdenum, Leachate	0.47 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Nickel, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Selenium, Leachate	0.17 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Silver, Leachate	<0.010 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Sodium, Leachate	25.3 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Thallium, Leachate	<0.05 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Vanadium, Leachate	0.125 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Zinc, Leachate	<0.025 mg/l	SW846-6010B	DDF	10/09/2008	18:00
SPLP Fluid #3, Water	7.8 su, ending	SW846-1312; 9045	DDF	10/03/2008	10:30
Fluoride	0.96 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Chloride, Leachate	45.5 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Nitrite, Leachate	<0.10 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Nitrate, Leachate	<0.50 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Sulfate, Leachate	389 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00

** Tons of CaCO3 equivalent per 1,000 tons of material.

These results relate only to the sample noted above.

This certificate is not to be reproduced except in full, without the written approval of HawkMtn Labs


 Ronald Andrae, Technical Director


 Andrea Mengel, Environmental Lab Coordinator



Certificate of Analysis

Customer: Mirant Corporation
 Chalk Point Generating Station
 25100 Chalk Point Road
 Aquasco, MD 20608

Report Date: October 14, 2008
 Page 1 of 2

Material Tested: Fly Ash
 Date Sampled: 08/26/2008 Time Sampled: 9:45
 Date Received: 09/16/2008

HawkMtn WO #: 0809-00664-002
 Sampler: Client
 Sample Point ID: August Fly Ash

Client Sample ID: Fly Ash (ash hydro mix) August

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
Module 25A-Ash Quality		EPA SW846			0:00
pH, Solid	8.60 su	SW846-9045	LAP	10/06/2008	16:00
Aluminum, Dry Weight	19700 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Antimony, Dry Weight	<5.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Arsenic, Dry Weight	105 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Barium, Dry Weight	639 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Beryllium, Dry Weight	8.22 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Boron, Dry Weight	84.9 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Cadmium, Dry Weight	<2.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Calcium, Dry Weight	8890 mg/kg	SW846 6010B	DDF	09/30/2008	18:00
Chromium, Dry Weight	48.2 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Cobalt, Dry Weight	17.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Copper, Dry Weight	74.9 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Iron, Dry Weight	26700 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Lead, Dry Weight	19.6 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Manganese, Dry Weight	83.9 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Mercury, Dry Weight	0.48 mg/kg	SW846-7471A	DDF	10/01/2008	12:00
Molybdenum, Dry Weight	21.3 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Nickel, Dry Weight	38.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Selenium, Dry Weight	22.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Silver, Dry Weight	<1.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Sodium, Dry Weight	1400 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Thallium, Dry Weight	<5.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Vanadium, Dry Weight	139 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Zinc, Dry Weight	51.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Acid Neutralization Potent	60 **	EPA 600/2-78-054	LAP	09/25/2008	12:00
SPLP, fluid #1	9.1 su, ending	SW846-1312; 9045	DDF	10/03/2008	10:30
Aluminum, Leachate	0.73 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Arsenic, Leachate	0.24 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Antimony, Leachate	<0.05 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Barium, Leachate	0.199 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Beryllium, Leachate	<0.010 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Boron, Leachate	0.999 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Cadmium, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00



Certificate of Analysis

Customer: Mirant Corporation
 Chalk Point Generating Station
 25100 Chalk Point Road
 Aquasco, MD 20608

Report Date: October 14, 2008
 Page 2 of 2

Material Tested: Fly Ash
 Date Sampled: 08/26/2008 Time Sampled: 9:45
 Date Received: 09/16/2008

HawkMtn WO #: 0809-00664-002
 Sampler: Client
 Sample Point ID: August Fly Ash

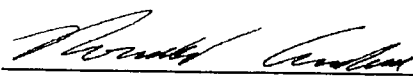
Client Sample ID: Fly Ash (ash hydro mix) August

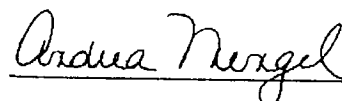
Test Name	Test Results	Method	Technician	Analysis Date	Time
Chromium, Leachate	0.037 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Cobalt, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Copper, Leachate	<0.02 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Iron, Leachate	<0.10 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Lead, Leachate	<0.10 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Manganese, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Mercury, Leachate	<0.001 mg/l	SW846-7470A	DDF	10/09/2008	14:30
Molybdenum, Leachate	0.55 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Nickel, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Selenium, Leachate	0.18 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Silver, Leachate	<0.010 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Sodium, Leachate	33.3 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Thallium, Leachate	<0.05 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Vanadium, Leachate	0.183 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Zinc, Leachate	<0.025 mg/l	SW846-6010B	DDF	10/09/2008	18:00
SPLP Fluid #3, Water	9.1 su, ending	SW846-1312; 9045	DDF	10/03/2008	10:30
Fluoride	0.41 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Chloride, Leachate	71.6 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Nitrite, Leachate	<0.10 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Nitrate, Leachate	<0.50 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Sulfate, Leachate	288 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00

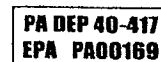
** Tons of CaCO3 equivalent per 1,000 tons of material.

These results relate only to the sample noted above.

This certificate is not to be reproduced except in full,
 without the written approval of HawkMtn Labs


 Ronald Andrae, Technical Director


 Andrea Mengel, Environmental Lab Coordinator



Certificate of Analysis

Customer: Mirant Corporation
 Chalk Point Generating Station
 25100 Chalk Point Road
 Aquasco, MD 20608

Report Date: October 14, 2008

Page 1 of 2

Material Tested: Fly Ash
 Date Sampled: 07/31/2008 Time Sampled: 10:45
 Date Received: 09/16/2008

HawkMtn WO #: 0809-00664-001
 Sampler: Client
 Sample Point ID: July Fly Ash

Client Sample ID: Fly Ash (ash hydro mix) July

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
Module 25A-Ash Quality		EPA SW846			0:00
pH, Solid	9.4 su	SW846-9045	LAP	10/06/2008	16:00
Aluminum, Dry Weight	15600 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Antimony, Dry Weight	<5.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Arsenic, Dry Weight	70.7 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Barium, Dry Weight	360 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Beryllium, Dry Weight	6.88 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Boron, Dry Weight	69.8 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Cadmium, Dry Weight	<2.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Calcium, Dry Weight	8070 mg/kg	SW846 6010B	DDF	09/30/2008	18:00
Chromium, Dry Weight	46.3 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Cobalt, Dry Weight	16.8 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Copper, Dry Weight	70.5 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Iron, Dry Weight	22100 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Lead, Dry Weight	20.3 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Manganese, Dry Weight	54.8 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Mercury, Dry Weight	0.35 mg/kg	SW846-7471A	DDF	10/01/2008	12:00
Molybdenum, Dry Weight	21.1 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Nickel, Dry Weight	31.8 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Selenium, Dry Weight	23.8 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Silver, Dry Weight	<1.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Sodium, Dry Weight	990 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Thallium, Dry Weight	<5.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Vanadium, Dry Weight	122 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Zinc, Dry Weight	53.0 mg/kg	SW846-6010B	DDF	09/30/2008	18:00
Acid Neutralization Potent	36.2 **	EPA 600/2-78-054	LAP	09/25/2008	12:00
SPLP, fluid #1	10.0 su, ending	SW846-1312; 9045	DDF	10/03/2008	10:30
Aluminum, leachate	1.91 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Arsenic, Leachate	<0.10 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Antimony, Leachate	<0.05 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Barium, Leachate	0.183 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Beryllium, Leachate	<0.010 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Boron, Leachate	1.00 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Cadmium, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00



Certificate of Analysis

Customer: Mirant Corporation
 Chalk Point Generating Station
 25100 Chalk Point Road
 Aquasco, MD 20608

Report Date: October 14, 2008
 Page 2 of 2

Material Tested: Fly Ash
 Date Sampled: 07/31/2008 Time Sampled: 10:45
 Date Received: 09/16/2008


HawkMtn WO #: 0809-00664-001
 Sampler: Client
 Sample Point ID: July Fly Ash

Client Sample ID: Fly Ash (ash hydro mix) July

<u>Test Name</u>	<u>Test Results</u>	<u>Method</u>	<u>Technician</u>	<u>Analysis Date</u>	<u>Time</u>
Chromium, Leachate	0.069 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Cobalt, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Copper, Leachate	<0.02 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Iron, Leachate	<0.10 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Lead, Leachate	<0.10 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Manganese, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Mercury, Leachate	<0.001 mg/l	SW846-7470A	DDF	10/09/2008	14:30
Molybdenum, Leachate	0.48 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Nickel, Leachate	<0.020 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Selenium, Leachate	0.11 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Silver, Leachate	<0.010 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Sodium, Leachate	20.7 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Thallium, Leachate	<0.05 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Vanadium, Leachate	0.209 mg/l	SW846-6010B	DDF	10/09/2008	18:00
Zinc, Leachate	<0.025 mg/l	SW846-6010B	DDF	10/09/2008	18:00
SPLP Fluid #3, Water	10.1 su, ending	SW846-1312; 9045	DDF	10/03/2008	10:30
Fluoride	<0.20 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Chloride, Leachate	48.1 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Nitrite, Leachate	<0.10 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Nitrate, Leachate	1.13 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00
Sulfate, Leachate	318 mg/l	EPA 300 HPLC IC	SAB	10/03/2008	23:00

** Tons of CaCO3 equivalent per 1,000 tons of material.
 These results relate only to the sample noted above.

This certificate is not to be reproduced except in full,
 without the written approval of HawkMtn Labs


 Ronald Andrae, Technical Director


 Andrea Mengel, Environmental Lab Coordinator



Attachment C

Chalk Point LLC, Chalk Point Generating Station - CCB Tonnage Report 2008

Year	By Product	Chalk Point			
		MD Ash Mgmt. Disposal Site	Onsite Use & Storage	Sold	Total
2004	Flyash	179.32			179.32
	Bottom Ash		46.4	32	78.4
	FGD Sludge				
	Other:				
2005	Flyash	167			167
	Bottom Ash		0.2	16.8	17
	FGD Sludge				
	Other:				
2006	Flyash	176.2	0.192	0	184
	Bottom Ash	0.2	10.7	11.6	22.5
	FGD Sludge				
	Other:				
		0.09	0.38		0.47
2007	Flyash	141		0.5	141.5
	Bottom Ash	1	15	1.3	17.3
	FGD Sludge				
	Other:				
2008	Flyash	179.2		1.3	180.5
	Bottom Ash	22		0.03	22.03
	FGD Sludge				
	Other:				

Note: Values are in thousand tons dry unless otherwise indicated.