



# ***Facts About...***

## Coal Combustion Byproduct Sites in Maryland

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The following list by county provides the location of sites known by MDE where coal combustion byproducts (CCBs) are utilized or disposed. Also noted are inactive sites no longer accepting CCBs. Information is provided on the type of coal combustion product, quantity, facility that generated the CCB and type of monitoring performed. Additional information on CCBs is available from "Facts About...Coal Combustion Byproducts," which is posted on the MDE website. This list was updated in August, 2010, with three CCB sites that had been identified by MDE since the original list was posted. These were all old sites where MDE has found that CCBs had been used or disposed of at some point in the past, and include the Amcelle Rubble Landfill site in Allegany County, the Joy/Boehm landfill in Anne Arundel County, and the Newland Park Landfill in Wicomico County.

### ***Allegany County***

#### **Amcelle Rubble Landfill**

Location: Under and adjacent to the inactive rubble landfill located southwest of the Western Correctional Institute, 13800 McMullen Highway Southwest, Cumberland, MD 21502-5622, on the grounds of the former Celanese plant.

Type of CCB: Unknown, probably fly ash and bottom ash

Estimated Amount: Unknown

Type of Site: Old ash dump. Based on vegetation site was decades old, and was for the disposal of coal ash from the Celanese plant.

Facility Generating: Former Celanese manufacturing plant.

Monitoring: Onsite groundwater monitoring system for the rubble landfill. Actively monitored.

CCB use/disposal: inactive. Portion under the closed rubblefill being capped as part of the rubble landfill closure.

#### **Ritchie Trucking and Excavating**

Location: Midlothian Rd 1 mile south of Frostburg

Type of CCB: alkaline FBC bottom ash and fly ash

Estimated Amount: unknown

Type of Site: surface coal mine, ash placed on pavement and mixed with backfill

Facility Generating: AES Warrior Run, Cumberland MD

Monitoring: offsite water monitoring

CCB use/disposal: inactive

### **Mountain View Landfill**

Location: 13300 New George's Creek Road, Frostburg  
Type of CCB: bottom ash and fly ash  
Estimated Amount: Approximately 10,000 tons in 2008  
Type of Site: Municipal Solid Waste Landfill operated by Allegany County  
Facility Generating: Constellation Energy's Brandon Shores and H.A. Wagner Power Plants  
Monitoring: onsite groundwater monitoring for life of facility plus 30 years  
CCB use/disposal: active

### **Vindex Energy Corporation #2**

Location: Potomac Hollow Rd east of Barton  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: offsite water monitoring  
CCB use/disposal: inactive

### **Vindex Energy Corporation-Carlos**

Location: Legislative Rd 1.4 miles south of Midlothian  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: offsite water monitoring  
CCB use/disposal: inactive

### **Tri-Star Mining #3**

Location: Michael Rd via Bartlett Run Rd 2.1 miles west of Barton  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: inactive

### **Vindex Energy Corporation #4**

Location: Potomac Hollow Rd 0.2 mile east of Barton  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: active

**Vindex Energy Corporation #5**

Location: Potomac Hollow Rd 1.3 miles east of Barton  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: offsite water monitoring  
CCB use/disposal: inactive

**Vindex energy Corporation # 6**

Location: Rt 36 3 miles south of Frostburg  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: offsite water monitoring  
CCB use/disposal: active

**G&S Coal Company #4**

Location: Miller Rd, south of Barton, 1 mile east of Rt 36 intersection  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: offsite water monitoring  
CCB use/disposal: active

**Tri-Star Mining #4**

Location: Rt 36 1.3 miles north of Westernport  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: inactive

**Cobra Mining, Inc.**

Location: Potomac Hollow Rd 0.5 mile east of Barton  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: active



## *Anne Arundel County*

### **Joy/Boehm Landfill (State List # MD-030)**

Location: 1373 Saint Stephen's Church Road, Crownsville, MD 21032.

Type of CCB: Unknown, likely flyash and bottom ash

Estimated Amount: Unknown

Type of Site: Industrial waste landfill

Facilities Generating: Unknown, possibly BG&E facilities.

Monitoring: Site has been evaluated under Superfund. Not currently monitored on a routine basis.

CCB use/disposal: The landfill was permitted to receive various industrial wastes by the Water Resources Administration in the late 1970s, and the site operated into the mid-1980s before being shut down through State enforcement action. CCBs were believed to have been placed as structural fill, and in a clay-lined industrial waste cell. The site has monitoring wells.

### **BBSS**

Location: MD Route 3 between Evergreen Road and Waugh Chapel Road

Type of CCB: bottom ash and fly ash

Estimated amount: 4 million tons

Type of Site: CCBs used for land reclamation at two sand & gravel pits onsite

Facility Generating: Constellation Energy's Brandon Shores and H.A. Wagner Power Plants

Monitoring: onsite and offsite groundwater monitoring

CCB use/disposal: inactive. Site is currently operating under terms of civil consent decree two surface mining permits (Turner and Waugh Chapel) and NPDES permit

### **Brandon Woods**

Location: Ft. Smallwood and Solley Roads

Type of CCB: bottom ash and fly ash

Estimated amount: 3.5 million tons

Type of Site: CCBs used as structural fill for property development

Facility Generating: Constellation Energy's Brandon Shores and H.A. Wagner Power Plants

Monitoring: onsite and offsite groundwater monitoring

CCB use/disposal: inactive

### **Millersville Landfill**

Location: Cell 1E, Millersville Sanitary Landfill, Burns Crossing Road, Millersville

Type of CCB: fly ash

Estimated amount: Approximately 64,000 cubic yards.

Type of Site: Municipal sanitary landfill operated by Anne Arundel County DPW.

Facility generating: Constellation Energy's Brandon Shores and Wagner Station Power Plants.

Monitoring: The entire landfill is subject to intensive groundwater monitoring for a broad suite of organic, inorganic, and indicator parameters. Monitoring is required for the life of the facility plus at least 30 years.

CCB use/disposal: Millersville Landfill is still active although the area where the fly ash was placed is closed and capped.

## ***Baltimore County***

### **Rossville Industrial Park**

Location: U.S. Route 40 and Rossville Boulevard  
Type of CCB: fly ash  
Estimated Amount: 45,000 tons  
Type of Site: used as structural fill for property development  
Facility generating CCB: Constellation Energy C.P. Crane Power Plant  
Monitoring: onsite and offsite groundwater monitoring  
CCB use/disposal: inactive

### **I-695 Overpasses, Sparrows Point**

Location: I-695 adjacent to Sparrows Point Steel Plant, southeastern Baltimore County.  
Type of CCB: fly ash  
Estimated Amount: 320,000 tons  
Type of Site: CCBs used as structural fill for highway embankment  
Facility generating: Brandon Shores Power Plant  
Monitoring: Extensively studied but no current monitoring  
CCB use/disposal: inactive

## ***Charles County***

### **Faulkner Flyash Site**

Location: 10200 Faulkner Road, Faulkner, MD 20664  
Type of CCB: flyash and bottom ash  
Estimated Amount: 7 million cubic yards  
Type of Site: monofill disposal site  
Facility Generating: Mirant Morgantown Power Plant  
Monitoring: on site groundwater and surface water monitoring under State Discharge Permit  
CCB use/disposal: active

## ***Garrett County***

### **Moran Coal Company, Inc.**

Location: Site B of Franklin Strip Mine on old Westernport Road  
Type of CCB: fly ash  
Estimated Amount: 444,000 tons  
Type of Site: Abandoned coal strip mine  
Facility Generating: New Page  
Monitoring: on site groundwater monitoring under a General Industrial Stormwater Permit  
CCB use/disposal: active

### **G & S Coal Company #1**

Location: Mt Zion Rd 2.9 miles southeast of Rt. 135

Type of CCB: alkaline FBC bottom ash and fly ash

Estimated Amount: unknown

Type of Site: surface coal mine, ash placed on pavement and mixed with backfill

Facility Generating: AES Warrior Run, Cumberland MD

Monitoring: offsite water monitoring

CCB use/disposal: active

### **G & S Coal Company #2**

Location: Pee Wee Rd 1 mile east of Rt. 38

Type of CCB: alkaline FBC bottom ash and fly ash

Estimated Amount: unknown

Type of Site: surface coal mine, ash placed on pavement and mixed with backfill

Facility Generating: AES Warrior Run, Cumberland MD

Monitoring: annual testing of CCB; offsite water monitoring

CCB use/disposal: active

### **Tri-Star Mining**

Location: Russell Rd via Bartlett Run Rd 1.2 miles northwest of Barton

Type of CCB: alkaline FBC bottom ash and fly ash

Estimated Amount: unknown

Type of Site: surface coal mine, ash placed on pavement and mixed with backfill

Facility Generating: AES Warrior Run, Cumberland MD

Monitoring: annual testing of CCB; offsite water monitoring

CCB use/disposal: inactive

### **Tri-Star Mining 2**

Location: Russell Rd via Bartlett Run Rd 2.3 miles northwest of Barton

Type of CCB: alkaline FBC bottom ash and fly ash

Estimated Amount: unknown

Type of Site: surface coal mine, ash placed on pavement and mixed with backfill

Facility Generating: AES Warrior Run, Cumberland MD

Monitoring: annual testing of CCB; offsite water monitoring

CCB use/disposal: inactive

### **Savage Mountain Minerals**

Location: Michael Rd via Bartlett Run Rd 1.7 miles west of Barton

Type of CCB: alkaline FBC bottom ash and bag house fly ash

Estimated Amount: unknown

Type of Site: surface coal mine, ash placed on pavement and mixed with backfill

Facility Generating: AES Warrior Run, Cumberland MD

Monitoring: annual testing of CCB; offsite water monitoring

CCB use/disposal: active

### **G & S Coal Company #3**

Location: Rt. 135 6 miles south of Bloomington  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: active

### **Vindex Energy Corporation-Island South**

Location: Sharpless Mine Rd via Mt Zion Rd 0.6 mile south of Rt. 135  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: inactive

### **Moran Coal Company #2**

Location: Westernport Rd 1.5 mile west of Westernport  
Type of CCB: alkaline FBC bottom ash and fly ash  
Estimated Amount: unknown  
Type of Site: surface coal mine, ash placed on pavement and mixed with backfill  
Facility Generating: AES Warrior Run, Cumberland MD  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: active

### **Mettiki Coal Company LLC**

Location: Table Rock Rd 3.2 miles south of US 50.  
Type of CCB: alkaline FBC bottom ash and fly ash; flue gas desulfurization sludge  
Estimated Amount: 480,000 tons of coal ash annually from Virginia Electric Power's North Branch  
Power Plant and 240,000 tons of FGD sludge annually from Virginia Electric Power's Mount Storm Plant  
Type of Site: coal refuse disposal, ash is mixed with coal refuse being placed in large fill  
Facility Generating:  
Coal Ash – VEPCO North Branch Plant in Bayard, WVA  
FGD Sludge – VEPCO Mt. Storm Plant in Mt. Storm, WVA  
Monitoring: annual testing of CCB; offsite water monitoring  
CCB use/disposal: active

## *Montgomery County*

### **Westland Fly Ash Site**

Location: 20831 Martinsburg Road, Dickerson, MD 20842

Type of CCB: fly ash and bottom ash

Estimated Amount: 3.5 million cubic yards

Type of Site: monofill disposal site

Facility Generating: Mirant Dickerson Power Plant

Monitoring: on site groundwater and surface water monitoring under State Discharge Permit

CCB use/disposal: active

## *Prince George's County*

### **Brandywine Fly Ash Site**

Location: 11700 North Keys Road, Brandywine, MD 20613

Type of CCB: fly ash and bottom ash

Estimated Amount: 7 million cubic yards

Type of Site: monofill disposal site

Facility Generating: Mirant Chalk Point Power Plant

Monitoring: on site groundwater and surface water monitoring

CCB use/disposal: active

## *Queen Anne's County*

### **U.S. Route 50/MD 213 Overpass**

Location: U.S. Route 50/MD 213 Overpass, Centreville.

Type of CCB: fly ash

Estimated amount: 60,000 tons

Type of Site: Highway embankment

Facilities Generating: Delmarva Power's Indian River plant in southern Delaware (~40,000 tons); and Constellation Energy/BGE's Brandon Shores Power Plant (~20,000 tons)

Monitoring: Extensively studied but not currently monitored.

CCB use/disposal: inactive

## *Wicomico County*

### **Newland Park Sanitary Landfill**

Location: Lined landfill cell, in the County landfill on Brick Kiln Road, near Salisbury.

Type of CCB: fly ash

Estimated amount: ~200,000 cu. yds.

Type of Site: The ash was used for structural fill under the liner system.

Facilities Generating: Delmarva Power's Indian River plant in southern Delaware

Monitoring: inorganic, and indicator parameters. Monitoring is required for the life of the facility plus at least 30 years.

CCB use/disposal: The Newland Park Landfill is still active, and the area where the fly ash was used underlies a modern, lined landfill cell where the County's municipal solid waste is currently being placed.