



UNIVERSITY OF MARYLAND

SCHOOL OF LAW

November 19, 2009

Via Certified Mail, Return Receipt Requested

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Ann Wearmouth, Environmental Engineer
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RE: Notice of Intent to File Citizen Suit for Violations of the Clean Water Act at the Brandywine Fly Ash Landfill in Prince George's County, Maryland

Dear Mr. Muller, Mr. Driscoll, Mr. Garlick, and Ms. Wearmouth:

We are writing on behalf of the Defenders of Wildlife, Sierra Club, Patuxent Riverkeeper, and Chesapeake Climate Action Network (Plaintiffs)¹ to provide you with notice of Plaintiffs' intent to file suit for significant and ongoing violations of the Clean Water Act (CWA), 33 U.S.C. § 1251 et seq. and Maryland's Water Pollution Control Law, Md. Ann. Code art. Environment, § 9-301 et seq. at the Mirant Mid-Atlantic, LLC and Mirant MD Ash

¹ Full name, address and telephone numbers of the Plaintiff organizations can be found at pp 9-10 of this document.

Management, LLC (Mirant) Brandywine Coal Combustion Waste Landfill located at 11700 North Keys Road, Brandywine, Prince George's County, Maryland (Brandywine Landfill or Brandywine). Coal combustion waste (CCW) is a hazardous material that is notorious for contaminating ground and surface waters with toxic pollutants. Unsafe disposal of CCW is dangerous, threatening the health of local communities, making groundwater unsafe to drink, harming aquatic life and wildlife, and polluting rivers and streams.

As is more fully explained below, Mirant is illegally discharging toxic pollutants into Mataponi Creek via Outfalls 002, 004, and 006 and through leaks in CCW disposal cells and is also violating the terms and conditions of National Pollutant Discharge Elimination System (NPDES) Permit No. MD0054836 (State Discharge Permit No. 02-DP-1389) (Brandywine NPDES Permit). Mirant's illegal discharges into Mataponi Creek, which flows into Merkle Wildlife Sanctuary and the Patuxent River, and its failure to comply with the terms of its NPDES permit have injured, and will continue to injure, the health, environmental, aesthetic, and economic interests of the Plaintiffs and Plaintiffs' members. These injuries are traceable to Mirant's violations, and redressing the ongoing violations will redress the Plaintiffs' injuries. Plaintiffs provide this notice pursuant to section 505(b) of the CWA. 42 U.S.C. § 6972(b)(2)(A).

The CWA grants citizens the authority to bring suit against "any person ... alleged to be in violation" of an "effluent standard or limitation" established under the CWA and to seek penalties for such violations. 33 U.S.C. § 1365(a)(1). "Effluent standard or limitation" means "an unlawful act under subsection (a) of section 1311[,] ... an effluent limitation or other limitation under section 1311 or 1312[,] [or] a permit condition thereof issued under section 1342." 33 U.S.C. § 1365(f). Accordingly, citizens may bring suit to enjoin the discharge of pollutants without a NPDES permit and compel a party to fulfill the conditions of its NPDES permit, and may seek civil penalties for such violations.

The CWA provides for civil penalties of up to \$37,500 beginning January 13, 2009 (and \$32,500 prior to this date) per day per violation. 33 U.S.C. § 1319(d); 40 C.F.R. § 19.4. In accordance with section 505(b) of the CWA, we are writing to notify you that the named Plaintiffs intend to file suit in the applicable federal district court any time sixty (60) days after the postmarked date of this letter to enjoin the violations described below that occurred after January 4, 2006, ensure future compliance, recover attorney fees and costs of litigation, and obtain other appropriate relief, including penalties.

I. Background

The Brandywine Landfill is located in Southern Prince George's County on approximately 300 acres of land, and consists of numerous disposal pits that have been used for fly ash storage since 1970. See Attachment A (Mirant MD Ash Mgmt., LLC, Brandywine Site Location Map for NPDES Permit 02-DP-1389 (Oct. 5, 1993)); Attachment B (Mirant MD Ash Mgmt., LLC, Brandywine Fly Ash Facility, Report Addressing NPDES Condition 'M' Chesapeake Bay 2000 Agreement (February 29, 2008)). The disposal pits, or cells, have only been constructed with leachate collection systems since the late 1980's. Only one of the disposal pits, which began receiving fly ash in 2007, is lined. Attachment B. CCW dumped into the Brandywine Landfill contains high concentrations of aluminum, arsenic, cadmium, copper, lead,

mercury, selenium, zinc, and other pollutants that are toxic to humans and aquatic life and wildlife. See, e.g., U.S. Env'tl. Prot. Agency prepared by RTI Int'l, Draft Human and Ecological Risk Assessment of Coal Combustion Wastes (Aug. 6, 2007); Committee on Mine Placement of Coal Combustion Wastes, Nat'l Research Council of the Nat'l Academics, Managing Coal Combustion Residues in Mines (2006).

Maryland Department of the Environment (MDE) issued Mirant a NPDES Permit that authorizes limited discharges from Outfalls 001, 002, 004, and 006 at the Brandywine Landfill on September 1, 2005 based on information in an application submitted by Mirant on July 6, 2001. Water Mgmt. Admin., Md. Dep't of the Env't, NPDES Permit for Mirant Maryland Ash Management, LLC (No. MD0054836/State Discharge Permit No. 02-DP-1389). In addition, the NPDES permit imposes monitoring and reporting requirements for discharges from permitted outfalls, groundwater wells, and surface waters. Id. Condition "N" prohibits Mirant from discharging pollutants at levels that will cause or contribute to an exceedance of Maryland water quality criteria unless Mirant discloses these discharges in the permit application prior to issuance of the permit. Id. § N. Condition "M" of the Brandywine NPDES Permit states that Mirant "shall strive to meet water quality standards for toxic substances (including ...Copper, Lead, Selenium, Zinc) at the point of discharge through continual improvement of pollution prevention measures and other means," and submit an annual report demonstrating progress towards this goal. Id. § M.

The Brandywine NPDES Permit does not authorize discharges of pollutants from Outfalls 002, 004, and 006 that are not expressly authorized by the permit and were identified as "absent" from discharges in Mirant's July 6, 2001 permit application. Nor does the Brandywine NPDES Permit authorize the discharge of pollutants from leaks in the CCW disposal cells to Mataponi Creek. Yet Mirant's own monitoring reports and data submissions to MDE, as well as reports prepared by MDE, show that Mirant is illegally discharging pollutants into Mataponi Creek via outfalls and leaks from CCW disposal cells. In addition, Mirant is not in compliance with the terms and conditions of its NPDES permit.

II. Violations of the Clean Water Act and Maryland's Water Pollution Control Law

A. Unauthorized Discharge of Toxic Pollutants

The CWA and Maryland's Water Pollution Control Law prohibit the discharge of pollutants into "waters of the U.S." without a permit. 33 U.S.C. § 1311(a) ("Except as in compliance with this section and sections 302, 306, 307, 318, 402, and 404 of this Act, the discharge of any pollutant by any person shall be unlawful."); Md. Ann. Code art. Environment, §§ 9-322, 9-323; Md. Code Regs. 26.08.04.01. Unpermitted discharges from a point source to groundwater that has a direct hydrogeological connection to waters of the U.S. is a violation of the CWA. See, e.g., Hernandez v. Esso Standard Oil Co., 599 F.Supp.2d 175, 181 (D. Puerto Rico 2009) (reviewing federal case law and holding "that the CWA extends federal jurisdiction over groundwater that is hydrologically connected to surface waters that are themselves waters of the United States"). Mirant's own monitoring reports and data submissions to MDE, along with reports prepared by MDE, show that Mirant is illegally discharging pollutants into Mataponi Creek via outfalls and leaks in CCW disposal cells.

Mirant's unauthorized discharges from outfalls and leaks in CCW disposal cells are ongoing. Leachate, containing dangerous pollutants, is created as water percolates through CCW disposal cells. This leachate is either collected and discharged from outfalls, or discharged from leaks in the CCW disposal cells. According to MDE, the Brandywine CCW Landfill contains approximately seven million cubic yards of CCW. Maryland Dep't of the Env't., Facts About Coal Combustion Byproduct Sites in Maryland, available at <http://www.mde.state.md.us/assets/document/FactSheetCCBSites.pdf>. So long as there is CCW in the Brandywine disposal cells, Mirant will continue to illegally discharge pollutants from outfalls and leaks in CCW disposal cells.

1. Unauthorized Discharges of Pollutants to Mataponi Creek from Outfalls 002, 004, and 006

Mirant is discharging numerous pollutants from Outfalls 002, 004, and 006 that violate the terms and conditions of its current Brandywine NPDES permit or, in the alternative, constitute discharges without a permit. Specifically, Mirant is discharging the following pollutants from its outfalls without authorization:

	Outfall 002	Outfall 004	Outfall 006
Alpha	X	X	X
Antimony			X
Arsenic	X		X
Barium	X		
Beryllium	X	X	X
Beta	X	X	X
bis (2-Ethyl-hxyl) Phthalate	X	X	X
Cadmium	X	X	X
Chromium	X	X	X
Cobalt		X	X
Color	X	X	X
Mercury	X	X	X
Nitrate		X	X
Nitrogen	X	X	X
Phenols	X	X	X
Radium	X	X	X
Radium 226	X	X	X
Silver	X	X	X
Sulfide	X	X	X
Sulfite	X	X	X
Surfactants	X	X	X
Tin	X	X	
Titanium	X	X	X

Source: Mirant MD Ash Mgmt., LLC, Brandywine NPDES Permit 02-DP-1389Renewal Application (Mar. 12,2007)

The discharges identified in the chart above are not expressly authorized by the Brandywine NPDES Permit. Mirant did not disclose the discharge of these pollutants in its July 6, 2001 permit application. In fact, Mirant reported to MDE that the above pollutants were “absent” from discharges from Outfalls 002, 004, and 006. Mirant MD Ash Mgmt., LLC, Brandywine NPDES Permit 02-DP-1389 Renewal Application (July 6, 2001). Thus, the discharge of the pollutants identified above from Outfalls 002, 004, and 006 is not authorized by the current Brandywine NPDES permit.

In 2007, however, Mirant stated that the pollutants identified above are present in discharges from permitted outfalls in an application to renew the Brandywine NPDES Permit. Mirant MD Ash Mgmt., LLC, Brandywine NPDES Permit 02-DP-1389 Renewal Application (Mar. 12, 2007). MDE has not authorized the discharge of the pollutants identified above from Outfalls 002, 004, and 006 or revised the Brandywine NPDES Permit in response to the 2007 renewal application. See Piney Run Pres. Ass’n v. County Comm’rs of Carroll County, 268 F.3d 255, 261 n.3 (noting that “because the Plant has not received final approval for a modified permit, the [old] permit is the relevant permit for this case”). Until MDE authorizes the discharge of pollutants identified in the chart above, Mirant is not allowed to discharge these pollutants. These unauthorized discharges from Outfalls 002, 004, and 006 are violations of the Clean Water Act. Each unpermitted discharge of each pollutant after Jan. 4, 2006 is a separate Clean Water Act violation.

2. Unpermitted Discharges of Pollutants to Mataponi Creek from Leaks in CCW Disposal Cells

Mirant is discharging pollutants into Mataponi Creek from leaks in CCW disposal cells in violation of the Clean Water Act. See Attachment C (Mirant MD Ash Mgmt., LLC, Brandywine Fly Ash Storage Facility NPDES Permit No. MD0054836, Quarterly Monitoring Reports (Jan. 2006 through Dec. 2008)) and Attachment B (noting that groundwater beneath the Brandywine Landfill flows directly into Mataponi Creek). Mataponi Creek is a “navigable water” as defined by the Clean Water Act, and discharges into groundwater that has a direct hydrogeological connection to Mataponi Creek are within the scope of the Clean Water Act. See, e.g., Hernandez v. Esso Standard Oil Co., 599 F.Supp.2d 175, 181 (D. Puerto Rico 2009). Leaks in a pollution containment system, like the Brandywine disposal cells, are point sources. 33 U.S.C. § 1362(14) (defining “point source” broadly and specifically including “container” in the definition); See, e.g., United States v. Earth Sciences, Inc., 599 F.2d 368 (10th Cir.) (noting that “[w]hen a [closed circulating system] fails because of flaws in the construction or inadequate size to handle the fluids utilized, with resulting discharge, whether from a fissure in the dirt berm or overflow of a wall, the escape of liquid from the confined system is a point source”).

Monitoring data submitted by Mirant between January 2006 and December 2008 confirm the presence of pollutants associated with CCW leachate in groundwater beneath the CCW disposal cells and at surface water monitoring stations in Mataponi Creek near and downstream from the Brandywine Landfill. Attachment B; Attachment C. In some cases, these pollutants are present in ground and surface water at levels that exceed Maryland’s water quality criteria. Id.

A 2008 MDE report states that groundwater monitoring wells “surrounding the completed fill Areas ... show high levels [of pollutants] exceeding many of the primary or

secondary Water Quality Standards. Some as high as 50, 100 and even 600 times the [maximum contaminant level] MCL.” Attachment D (Md. Dep’t of the Env’t, Review of Mirant Brandywine Ash Site (Aug. 8, 2008)) (emphasis added). MDE reports that groundwater monitoring “[w]ell B10 reported Cadmium results exceeding 100 times the Primary Water Quality Standard.” *Id.* “All of the Wells reported Manganese levels much higher than the Secondary Standards. Some as much as 50 – 60 times the Standard.” *Id.* Multiple groundwater monitoring wells “showed significant levels” of Iron and Aluminum. *Id.* Well B14, for example, “reported levels exceeding the [maximum contaminant level] MCL by as much as six hundred times.” *Id.*

Mirant candidly acknowledges that the groundwater beneath the Brandywine CCW disposal cells flows directly into Mataponi Creek. *See* Attachment B. According to reports generated by MDE and Mirant’s own monitoring data, the groundwater beneath the CCW disposal cells—that Mirant asserts flows directly into Mataponi Creek—is contaminated with pollutants that are commonly found in CCW leachate. Attachment B; Attachment C; Attachment D. In addition, Mirant’s own monitoring data shows elevated levels of pollutants associated with CCW leachate at surface water monitoring stations near and downstream of the Brandywine Landfill. Attachment B; Attachment C.

Any discharge of any pollutant into the Mataponi Creek via groundwater from *leaks in CCW disposal cells* is not authorized by the Brandywine NPDES Permit and is a violation of the Clean Water Act. *See* Water Mgmt. Admin., Md. Dep’t of the Env’t, NPDES Permit for Mirant Maryland Ash Management, LLC (No. MD0054836/ State Discharge Permit No. 02-DP-1389) (Sep. 1, 2005). In fact, discharges that result from leaks and other failures of a pollution containment system may never be authorized by a NPDES permit. *See* 33 U.S.C. §§ 1311(b)(1), 1311(b)(2)(A), and 1314(b) (mandating that permitting agencies set technology-based effluent limits for all discharges). Each unpermitted discharge of each pollutant after Jan. 4, 2006 is a separate Clean Water Act violation.

B. Failure to Comply with Brandywine NPDES Permit No. MD0054836/ State Discharge Permit No. 02-DP-1389

Mirant is in violation of its NPDES permit for failure to: (1) comply with Condition “N,” (2) comply with Condition “M,” (3) conduct required monthly and quarterly monitoring for various pollutants at permitted outfalls, groundwater monitoring wells, and surface water monitoring stations, and (4) submit quarterly monitoring reports to MDE. Citizens may enforce the terms and conditions of a NPDES permit, including narrative conditions. 33 U.S.C. § 1365(f); *Northwest Env’tl. Advocates v. Portland*, 56 F.3d 979, 986–89 (9th Cir. 1995) (“The plain language of [33 U.S.C. § 1365] authorizes citizens to enforce all permit conditions.”).

1. Failure to Comply With Condition “N”

Mirant is discharging cadmium from Outfalls 002, 004, and 006 in violation of Condition “N” of the Brandywine NPDES Permit. Condition “N” of the permit states that

[i]t is a violation of this permit to discharge any substance not otherwise listed under the permit's 'Effluent Limitations and Monitoring Requirements' special conditions at a level which would cause or contribute to any exceedance of the numerical water quality standards in COMAR 26.08.02.03 unless the level and the substance were disclosed in writing in the permit application prior to the issuance of the permit.

Brandywine NPDES Permit, § I-N.

In the July 6, 2001 NPDES application, Mirant represented to MDE that cadmium was not present in discharges from Outfalls 001, 002, 004, and 006. Yet in March of 2007, Mirant submitted a renewal NPDES application—which MDE has not approved or acted upon to date—that states that cadmium is present in discharges from Outfalls 002, 004, and 006. Mirant MD Ash Management, LLC, Brandywine NPDES Permit 02-DP-1389 Renewal Application (Mar. 16, 2007). Mirant acknowledges that “[c]admium consistently exceeds the chronic water quality limits, and occasionally the acute limits as well” in Mataponi Creek. Attachment B. Therefore, any discharge of cadmium from Outfalls 002, 004, and 006 will “cause or contribute to [an] exceedance” of water quality criteria in violation of the Brandywine NPDES permit. To the extent that Mirant is discharging other pollutants from Outfalls 002, 004, and 006 and leaks in disposal cells at levels that cause or contribute to an exceedance of water quality criteria, these discharges also violate the Clean Water Act. Each violation of Condition “N” after Jan. 4, 2006 is a separate Clean Water Act violation.

2. Failure to Comply With Condition “M”

Condition “M” of the Brandywine NPDES permit states that Mirant

shall strive to meet water quality standards for toxic substances (including ... **COPPER, LEAD, SELENIUM, AND ZINC**) at the point of discharge through continual improvement of pollution prevention measures and other means. *Beginning within 30 months after the effective date of the permit, and annually thereafter, the permittee shall report to the Department on progress toward meeting the 2010 objective.*

Brandywine NPDES Permit, § I-M (emphasis added). Mirant submitted the initial report on February 29, 2008, but has failed to submit a 2009 report as of the date of this notice letter in violation of the Brandywine NPDES permit. Mirant’s failure to submit a report by February 29, 2009 is a violation of the Clean Water Act.

3. Failure to Perform Monthly Monitoring at Permitted Outfalls

Mirant is in violation of its NPDES permit for failure to conduct monthly monitoring for various pollutants at permitted outfalls. The Brandywine NPDES permit specifies that “discharge[s] shall be limited and monitored by the permittee” on a monthly basis for flow, total

suspended solids (TSS), total iron, total copper, total lead, total selenium, total zinc, hardness, and pH from Outfalls 001, 002, 004, and 006. Brandywine NPDES Permit § I-A. Mirant has habitually failed to conduct required monitoring for these parameters since January 4, 2006. Each failure to monitor for each parameter is a separate violation of the CWA. Based on a review of discharge monitoring reports filed with MDE, Mirant has violated the Clean Water Act by failing to conduct required monthly monitoring for multiple pollutants from Outfalls 001, 002, 004, and 006 79 times in 2006, 114 times in 2007, and 115 times in 2008.² Evidence of these violations is provided in Attachment C.

4. Failure to Perform Quarterly Groundwater Sampling

Mirant is in violation of the Brandywine NPDES Permit for failure to conduct quarterly groundwater monitoring for various pollutants. The permit states that Mirant “shall maintain, operate, and sample monitoring wells B3, B10, B11, B12, B13, and B14 once per quarter by grab sample for the following: dissolved aluminum, dissolved cadmium, dissolved manganese, dissolved copper, dissolved iron, dissolved lead, dissolved silver, dissolved nickel, total dissolved solids, pH, chloride, and sulfate.” Brandywine NPDES Permit, § I-Q-1. Based on a review of the quarterly monitoring reports filed with MDE, Mirant failed to conduct quarterly monitoring for multiple pollutants at groundwater monitoring wells in the 3rd quarter of 2006. Evidence of these violations is provided in Attachment C. Each failure to monitor for each parameter at each of the six stations is a separate violation of the CWA.

5. Failure to Perform Quarterly Surface Water Sampling

Mirant is in violation of the Brandywine NPDES permit for failure to conduct quarterly surface water monitoring for various pollutants. The permit states that Mirant “shall sample surface water stations ... S-1, S-2, and S-3 once per quarter for the following: total cadmium, total zinc, total hardness, total copper, total iron, total lead, pH, sulfate, chloride, and specific conductance.” Brandywine NPDES Permit, § R. Each failure to monitor for each parameter at each of the three stations is a separate violation of the CWA. Based on a review of the quarterly monitoring reports filed with MDE, Mirant has failed to conduct quarterly monitoring for multiple pollutants at the surface water monitoring stations in the 3rd quarter of 2006. Evidence of these violations is provided in Attachment C. Each failure to monitor for each parameter at each of the six stations is a separate violation of the CWA.

6. Failure to Submit Quarterly Monitoring Reports

Mirant is in violation of the Brandywine NPDES permit for failure to submit quarterly monitoring reports. The permit states “[m]onitoring results obtained during the calendar year shall be summarized on a Discharge Monitoring Report form (EPA No. 3320-1). For each effluent characteristic monitored at a frequency of once per month or less, the results obtained during the reporting period shall be summarized on a single report form for each quarter.” Brandywine NPDES Permit, § II-A-2. Mirant did not submit a quarterly report for both groundwater monitoring wells and surface water monitoring stations the third quarter of 2006.

² These violations are based on the documents available at MDE as of 9/30/09 which did not include any quarterly monitoring reports for 2009. Potential violations may exist in the 2009 monitoring reports.

Evidence of these violations is provided in Attachment C. Each failure to submit a quarterly report is a separate violation of the CWA.

IV. Conclusion

Mirant MD Ash Management, LLC and Mirant Mid-Atlantic, LLC, and Mirant Corporation, to the extent it is also an owner and/or operator, currently own and/or operate the Brandywine Landfill in ongoing violation of the Clean Water Act. Accordingly, Plaintiffs intend to file suit to enjoin violations described above and ensure future compliance, obtain civil penalties for violations occurring after January 4, 2006, recover attorney fees and costs of litigation, and obtain other appropriate relief.

If you have any questions regarding the allegations in this notice, believe any of the foregoing information to be in error, wish to discuss the exchange of information consistent with the suggestion above, or would otherwise like to discuss a settlement of this matter prior to the initiation of litigation, please contact Jane Barrett or Jennifer Peterson at the numbers listed below.

Sincerely,



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ATTACHMENT A

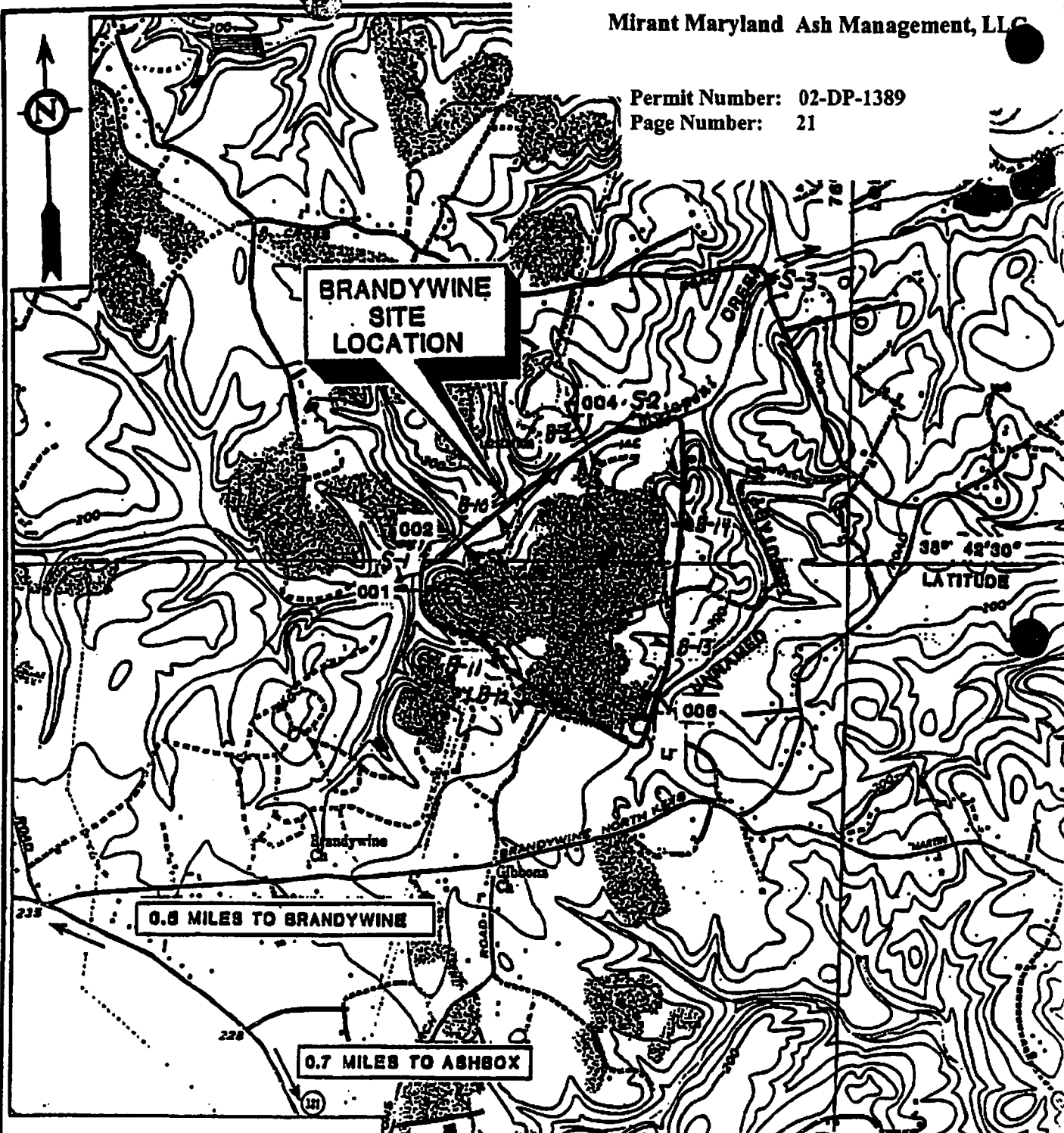
**Mirant-Brandywine Site Location Map from
NPDES Permit 02-DP-1389**

DWG. NO. 88-407-A1

Mirant Maryland Ash Management, LLC

Permit Number: 02-DP-1389

Page Number: 21



REFERENCE:

U.S.G.S. 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE
BRANDYWINE, MD 1958
PHOTOREVISED 1986



SCALE 1" = 2000'



Engineering • Geology • Planning
Environmental Specialists

SITE LOCATION MAP
BRANDYWINE SITE
PRINCE GEORGE'S COUNTY, MARYLAND

DWN. JAL CHKD. RFD

APPD. *SES* DATE 11/5/93

SCALE: 1" = 2000'

DRAWING NUMBER

ATTACHMENT B

Mirant-Brandywine 2008 Condition 'M' Report

Mirant MD Ash Management, LLC

Brandywine Fly Ash Facility

Report Addressing NPDES Condition 'M'
Chesapeake Bay 2000 Agreement

February 29, 2008



Introduction

Condition 'M' of the current NPDES Permit for Mirant's Brandywine Fly Ash Facility (02-DP-1309) requires that Mirant report to the Department on progress towards meeting a specific goal of the Chesapeake Bay 2000 Agreement. That region-wide goal states:

Through continual improvement of pollution measures and other voluntary means, strive for zero release of chemical contaminants from point sources, ...Particular emphasis shall be placed on achieving, by 2010, elimination of mixing zones for persistent or bioaccumulative toxics."

The Permit further states that, "the permittee will continue to meet water quality standards for toxic substances at the point of discharge through continual improvement of pollution prevention measures and other means."

With this document, Mirant will address this permit condition by examining the facility's current permit compliance status as well as describing how it has:

- Studied trends of ground and surface water to assess changes to water quality
- Made operational changes to minimize leachate formation and improve collection
- Developed Storm Water Pollution Prevention Plan to help identify sources of pollution that may impact storm water

Site Description

The Brandywine Ash Site is located at 11700 North Keys Road in Southern Prince George's County. The 300(+) acre site lies within a rolling, partially wooded area west of the Patuxent River and east of Route 301. The site itself is bounded on the north by Mataponi Creek and on the east and west by unnamed tributaries of Mataponi Creek. Mataponi Creek flows in a northeasterly direction and drains into the Patuxent River, approximately six miles from the facility (Figure 1).

The adjoining property to the south is occupied by an active gravel mining operation. A forest buffer surrounds the Mataponi Creek as it flows along the NW edge of the property, but beyond this buffer, the adjoining property is a debris landfill. A power line right-of-way bisects the property on the western end, and a switchyard is located just off of the property to the north. Contiguous woodland runs northward along this ROW. The adjoining property to the east is agricultural land.

Controls and Monitoring

The property has been used for ash storage since 1970, when sand and gravel mining on the site ceased. Since the late 80's the cells have been constructed with leachate

collection systems beneath them in order to collect and treat water that might percolate through the cells. The most recent fill area (2007) is lined with a geosynthetic membrane to further insure the collection of all water passing through the ash material.

Site surface and groundwater monitoring has been conducted since before 1978. In 1981 groundwater monitoring wells were installed and are monitored quarterly per the site's NPDES permit. Changes to NPDES permit requirements has dictated the type and quantity of data collected over the years. Currently there are 6 groundwater wells and 3 surface water locations being monitored.

Current Permit Compliance Status

The NPDES permit under which the site currently operates has an effective date of September 1, 2005. The site has complied with all of its permit obligations and has had no exceedances since for more than 10 years. The NPDES outfall data with limits associated with them are presented in **Appendix A**.

Because the Condition we're responding to is rooted in the Chesapeake Bay Agreement where the TMDL process is so key, it was suggested by MDE that we include pollutant loads in this report. **Appendix B** contains loading calculations for the 3 outfalls (Outfall 1 does not flow). Lbs/day of the parameters measured in the last 2 NPDES permits (TSS, iron, copper, lead, selenium and zinc) are illustrated for the previous 6 years.

Surface water is also monitored at three locations around the site as part of the NPDES surface water sampling regime. Station S-1 is on Mataponi Creek upstream of the fill and should represent background conditions. Station S-2 is downstream of the fill on Mataponi Creek, while station S-3 is a little further down, just beyond the junction with a tributary that lies to the east of the site. **Appendix C** contains the surface water monitoring data from 2002-2007. The values that exceed the numeric criteria for the protection of aquatic life are highlighted. Cadmium consistently exceeds the chronic water quality limits, and occasionally the acute limits as well. The downstream values are very similar if not lower than upstream values however, and there is no indication that the site is responsible for these elevated levels.

Ground and Surface Water Trends

Mirant updated its knowledge of the site hydrogeology and water quality trends in a study by William Porter (Porter, 2003). The study looked at over 10 years of groundwater and stream sampling performed as part of the site NPDES permit. He also looked at rainfall data to help separate rainfall influences from true trends in the surface water data.

In addition, the groundwater flow was studied using site stratigraphy information and borehole analyses. The results of the Study determined that the shallow groundwater would not be able to go to deeper zones and would be intercepted by Mataponi Creek allowing little chance for offsite migration as groundwater. The report concluded that

the ground and surface water quality was fairly stable and there was no evidence of significant impacts from long-term releases to either ground or surface waters.

Operational Changes Improving Leachate Collection/Minimization

In 2007 construction on the final phase of the ash fill was begun. Although not required by the Maryland Pozzolan Statute, Mirant made the decision to install a Geosynthetic Liner to meet the 10^{-6} subsurface permeability standard for industrial solid waste landfills. The liner system consists of a compacted clay sub-base, 60-mil PVC geomembrane liner, a 250-mil HDPE geonet, and 18 inches of bottom ash drainage layer. The liner is sloped 2% toward a 4 inch slotted HDPE leachate collection pipe. The leachate collection pipe conveys leachate to a series of ponds for treatment to meet NPDES discharge permit limits at Outfall 006.

Mirant began a process at its Potomac River Station (which contributed ash to the Brandywine fill until September 2007) whereby a neutralizing material was injected into the stack gases to remove SO₂. That material, sodium sesquicarbonate (or Trona), was present as a small percentage of the ash that was brought to Brandywine in 2006/2007. Mirant notified MDE that while some of the chemical and physical characteristics of ash with Trona were different than typical coal ash, the Trona-containing ash retained its pozzolan properties, and therefore we continued storing the ash at Brandywine. After extensive testing showed potentially higher concentrations of certain metals in Trona ash leachate, as well as concerns about slope stability, Mirant developed a reagent mixture to stabilize the Trona ash both chemically and physically. This was accomplished by mixing the reagents (Portland cement, ground blast furnace slag, and TerraBond) into the Trona ash, then compacting the mixture into the ash fill. The result was a stabilized, low permeability "cap" over approximately 15 acres of the site. Mirant ultimately concluded that while the stabilization process was successful, it was not an activity we wanted to continue on a permanent basis. Mirant ceased storing Trona-bearing ash at Brandywine in September 2007.

Storm Water Pollution Prevention Plan

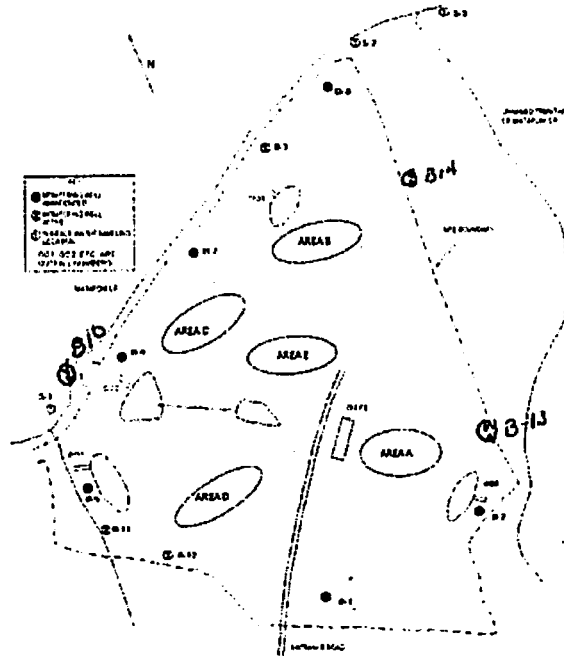
The NPDES permit we received in 2005 included the requirement for the site to develop a Storm Water Pollution Prevention Plan. The plan is used to locate and minimize potential sources of pollutants that could come into contact with storm water on the site. This is accomplished by identifying Exposed Significant Materials and instituting Best Management Practices to minimize storm water contact. The plan was put into place as required by the permit and updated in July 2006.

Conclusion

This document has attempted to describe the ways that the Brandywine Ash Site is addressing the goals of the Chesapeake Bay 2000 Agreement. We are continually assessing our ash management activities to minimize the threat of pollutants migrating into the environment. We have done extensive monitoring of surface and groundwater

on the site and periodically have that data reviewed to assess water quality trends. We are meeting our NPDES permit limits for the measured parameters and the data indicates that our outfalls are not the source for exceedances of toxic substances in the receiving streams.

BRANDYWINE ASH STORAGE SITE
SITE DIAGRAM SHOWING MONITORING WELLS AND
SURFACE WATER SAMPLING LOCATIONS
NOT TO SCALE



MAP OF DIRT ROADS AND SEDIMENTATION PONDS ON SITE

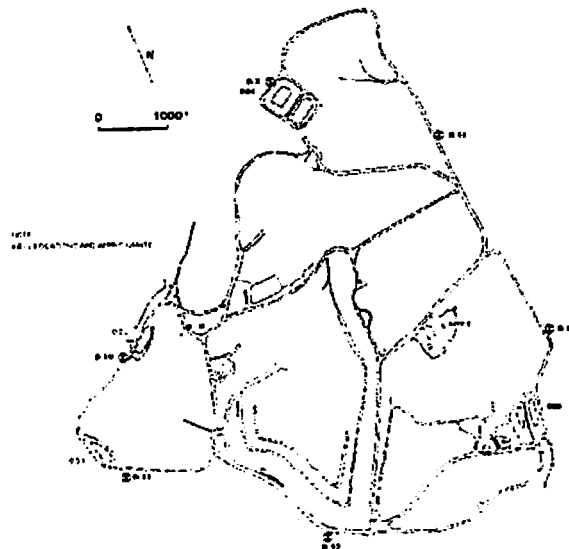


FIGURE 1

Appendix A

NPDES Permit Data with Limits

The parameters Iron, pH and TSS are measured with limits as part of Brandywine's NPDES permit. There have been no exceedances over the past several permit cycles. Included in the following table is the raw data for the

Note that:

Iron Monthly Average - 3.5; Daily Max - 7.0

pH Minimum Concentration – 6.0; Daily Max – 9.0

TSS Monthly Average – 35.0; Daily Max – 70.0

The data shows no exceedances or irregularities in reporting for Iron or pH. In 2006 at Outfall 6 a TSS level exceeding the daily max was measured but it was not considered an exceedance as it was the result of a 2-yr storm event (> 3.3" of rain in 24-hrs) as allowed in IA of the permit.

IRON 2002 Outfall Date Result

2

1/17/2002 1.1
3/26/2002 0.48
5/6/2002 < 0.1
11/21/2002 0.13

4

2/12/2002 0.82
5/22/2002 < 0.1
11/21/2002 0.18
12/30/2002 0.2

6

11/21/2002 0.37

IRON 2003

2

1/13/2003 0.29
2/26/2003 2.1
3/12/2003 0.72
4/15/2003 0.33
5/20/2003 0.15
6/18/2003 < 0.1
7/16/2003 0.19
9/2/2003 0.17
9/16/2003 0.29
10/23/2003 0.12
11/19/2003 1.1
12/22/2003 0.31

4

1/16/2003 0.11
3/3/2003 0.55
4/1/2003 0.22
5/15/2003 0.18
6/3/2003 < 0.1
6/18/2003 0.14
7/10/2003 0.19
8/20/2003 0.18
9/16/2003 0.2
10/28/2003 0.53
11/17/2003 0.25
12/22/2003 0.34

6

2/21/2003 0.5
4/3/2003 0.75
6/26/2003 0.85
11/18/2003 0.53

IRON 2004 Outfall Date Result

2

2/3/2004 1
3/18/2004 0.83
4/27/2004 0.49
6/2/2004 0.25
6/17/2004 0.41
8/4/2004 0.78
9/9/2004 0.95
11/3/2004 1
12/14/2004 2

4

1/25/2004 0.46
2/5/2004 0.81
3/18/2004 0.32
4/19/2004 0.49
6/17/2004 0.26
7/26/2004 0.84
8/4/2004 0.42
9/2/2004 0.19
10/4/2004 0.17
11/5/2004 0.4
11/30/2004 0.33

6

7/14/2004 1.5

IRON 2005

2

1/25/2005 1.4
3/28/2005 1
3/28/2005 1
5/10/2005 0.86
6/16/2005 0.5
10/11/2005 1.1
12/13/2005 2.4

4

1/3/2005 0.69
1/4/2005 0.69
3/7/2005 0.3
3/31/2005 0.7
4/28/2005 0.69
5/25/2005 0.46
7/7/2005 0.26
8/22/2005 0.16
10/11/2005 0.31
12/1/2005 0.68

IRON 2005 Outfall
Cont. 6

Date Result
1/20/2005 1.9
3/24/2005 1.3
3/31/2005 1.7
4/28/2005 0.39
5/26/2005 0.57
11/1/2005 0.26

IRON 2006

2

1/26/2006 0.96
3/16/2006 2.1
6/26/2006 0.71
11/15/2006 0.69

4

1/4/2006 0.35
2/16/2006 1.8
5/4/2006 < 0.1
6/26/2006 0.17
8/1/2006 < 0.01
9/5/2006 0.38
11/3/2006 0.078
12/7/2006 0.74

6

1/17/2006 0.73
2/16/2006 0.86
6/26/2006 1.7
7/10/2006 0.32
9/5/2006 2.6
9/25/2006 0.2
11/3/2006 0.88
12/7/2006 0.89

IRON 2007

2

1/4/2007 0.94
3/1/2007 0.96
4/19/2007 0.74
11/1/2007 0.14

4

1/4/2007 1.2
2/20/2007 0.79
3/21/2007 0.58
4/19/2007 0.38
6/7/2007 0.061
9/5/2007 0.16
11/1/2007 0.32
12/14/2007 1.1

IRON 2007 Outfall
Cont. 6

Date Result
1/4/2007 0.8
2/20/2007 0.73
3/21/2007 1.2
4/19/2007 0.95
7/3/2007 0.24
9/5/2007 0.15
11/1/2007 0.42

PH 2002

2

1/17/2002 8.12
3/26/2002 8.31
5/6/2002 8.61
11/21/2002 8.5

4

2/12/2002 8.09
5/22/2002 8.38
11/21/2002 8.39
12/30/2002 8.45

6

PH 2003

2

11/21/2002 7.43
1/13/2003 7.6
2/26/2003 7.08
3/12/2003 7.64
4/15/2003 8.1
5/20/2003 8.3
6/18/2003 7.9
7/16/2003 7.8
9/2/2003 7.96
9/16/2003 8.22
10/23/2003 8.4
11/19/2003 7.7
12/22/2003 7.7

4

1/16/2003 8.58
3/3/2003 7.25
4/1/2003 8.1
5/15/2003 8.08
6/3/2003 8.06
6/18/2003 7.68
7/10/2003 8
8/20/2003 8.1
9/16/2003 7.98
10/28/2003 8.1
11/17/2003 7.8
12/22/2003 7.9

PH 2003 Cont.	Outfall 6	Date	Result
		2/21/2003	7.19
		4/3/2003	7.43
		6/26/2003	7.31
		11/18/2003	7.8
PH 2004	2		
		2/3/2004	7.9
		3/18/2004	8.1
		4/27/2004	7.9
		8/3/2004	7.6
		8/4/2004	7.6
		9/8/2004	7.4
		11/3/2004	7.3
		12/14/2004	7
	4		
		2/5/2004	7.6
		3/18/2004	7.8
		4/19/2004	8.1
		7/26/2004	7.4
		8/3/2004	7.5
		8/4/2004	7.5
		9/2/2004	7.2
		10/4/2004	7.5
		11/5/2004	7.5
		11/30/2004	7
	6		
		7/14/2004	7.3
PH 2005	2		
		1/25/2005	7
		3/28/2005	7.1
		5/10/2005	7.5
		6/16/2005	7.5
		12/13/2005	7.1
	4		
		1/3/2005	7.2
		1/25/2005	7.2
		3/7/2005	7.4
		3/31/2005	7.1
		4/28/2005	7
		5/25/2005	7.1
		7/7/2005	7.1
		8/22/2005	7.3
		12/1/2005	7.1

PH 2005 Cont.	Outfall 6	Date	Result
		1/20/2005	7.3
		3/24/2005	7.2
		3/31/2005	7.1
		4/28/2005	7.3
		5/26/2005	7.4
		11/1/2005	7.4
PH 2006	2		
		1/26/2006	7.2
		3/16/2006	7.4
		6/26/2006	7.7
		11/15/2006	7.1
	4		
		1/4/2006	7.1
		2/16/2006	7.5
		5/4/2006	7.4
		6/26/2006	7.1
		8/1/2006	7.9
		9/5/2006	7.5
		11/3/2006	7.1
		12/7/2006	6.9
	6		
		1/17/2006	7.3
		2/16/2006	7.2
		6/26/2006	6.9
		7/10/2006	6.9
		9/5/2006	6.8
		9/25/2006	7.3
		11/3/2006	6.7
		11/17/2006	6.6
		12/7/2006	6.9
PH 2007	2		
		1/4/2007	7.1
		3/1/2007	7.2
		11/1/2007	8
	4		
		1/4/2007	6.9
		2/20/2007	6.5
		3/21/2007	6.8
		9/5/2007	7.5
		11/1/2007	7.1
		12/14/2007	6.9
	6		
		1/4/2007	7
		2/20/2007	8.1
		3/21/2007	7
		7/3/2007	7.2
		9/5/2007	7.1
		11/1/2007	7

TSS 2002	Outfall	Date	Result
	2	1/17/2002	7
		3/26/2002	5.2
		5/6/2002	5.2
		11/21/2002	18
	4	2/12/2002	8.8
		5/22/2002	7.7
		11/21/2002	22
		12/30/2002	9.5
	6	11/21/2002	4
TSS 2003	2	1/13/2003	8
		2/26/2003	11
		3/12/2003	3.6
		4/15/2003	5.8
		5/20/2003	6.8
		6/18/2003	6.5
		7/16/2003	4.6
		9/2/2003	5.6
		9/16/2003	5.8
		10/23/2003	2.6
		11/19/2003	9
		12/22/2003	4.5
	4	1/16/2003	8
		3/3/2003	14
		4/1/2003	8
		5/15/2003	15
		6/3/2003	9
		6/18/2003	5.2
		7/10/2003	7
		8/20/2003	5.5
		9/16/2003	6.2
		10/28/2003	5.4
		11/17/2003	8
		12/22/2003	7
	6	2/21/2003	3.2
		4/3/2003	1.6
		6/26/2003	2.2
		11/18/2003	< 2.5

TSS 2004	Outfall	Date	Result
	2	2/3/2004	5
		3/18/2004	3.6
		4/27/2004	6
		6/2/2004	3.5
		6/17/2004	6
		8/4/2004	12
		9/9/2004	11
		11/3/2004	6.4
		12/14/2004	9
	4	1/25/2004	5
		2/5/2004	7
		3/18/2004	4.6
		4/19/2004	13
		6/17/2004	4.4
		7/26/2004	1.3
		8/4/2004	7
		9/2/2004	3.2
		10/4/2004	1
		11/5/2004	1.6
		11/30/2004	3
	6	7/14/2004	2.4
TSS 2005	2	1/25/2005	7
		3/28/2005	3
		5/10/2005	3.4
		6/16/2005	9.5
		10/11/2005	8
		12/13/2005	16
	4	1/3/2005	2.8
		1/4/2005	2.8
		3/7/2005	1.2
		3/31/2005	8.6
		4/28/2005	3
		5/25/2005	3
		7/7/2005	2.5
		8/22/2005	2.5
		10/11/2005	2.5
		12/1/2005	6.5

TSS 2005 Cont.	Outfall 6	Date	Result
-------------------	--------------	------	--------

1/20/2005	14
3/24/2005	11
3/31/2005	13
4/28/2005	2.2
5/26/2005	3.5
11/1/2005	<2.5

TSS 2006	2
----------	---

1/26/2006	<2.5
3/16/2006	17
6/26/2006	13
11/15/2006	17

4

1/4/2006	4.5
2/16/2006	13
5/4/2006	2.8
6/26/2006	4.6
8/1/2006	<2.5
9/5/2006	13
11/3/2006	1.4
12/7/2006	5.4

6

1/17/2006	4.4
2/16/2006	3.5
6/26/2006	70
7/10/2006	6

TSS 2007

2

9/5/2006	37
9/25/2006	2.2
11/3/2006	4.8
12/7/2006	7.8

1/4/2007	6
3/1/2007	5.3
4/19/2007	5.2
11/1/2007	11

4

2/20/2007	2.5
3/21/2007	4.6
4/19/2007	4.4
6/7/2007	2
9/5/2007	2.4
11/1/2007	4.6
12/14/2007	5

TSS 2007 Cont.

Outfall 6

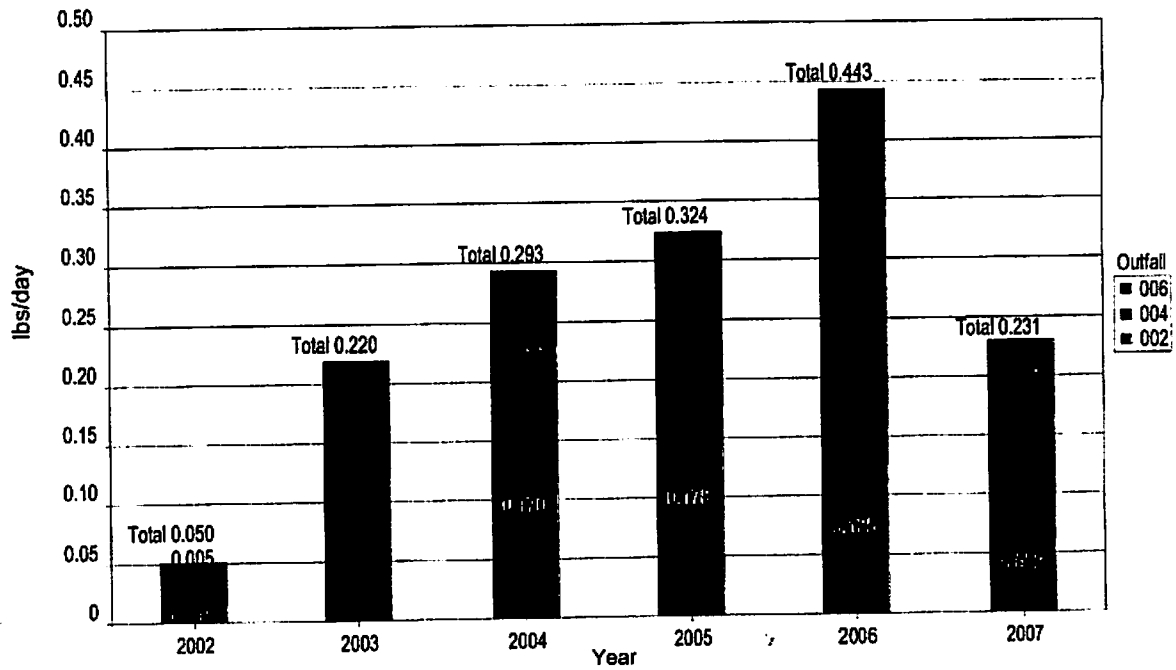
Date	Result
2/20/2007	3.6
3/21/2007	19
4/19/2007	13
7/3/2007	<5
9/5/2007	<10
11/1/2007	4.8

Appendix B

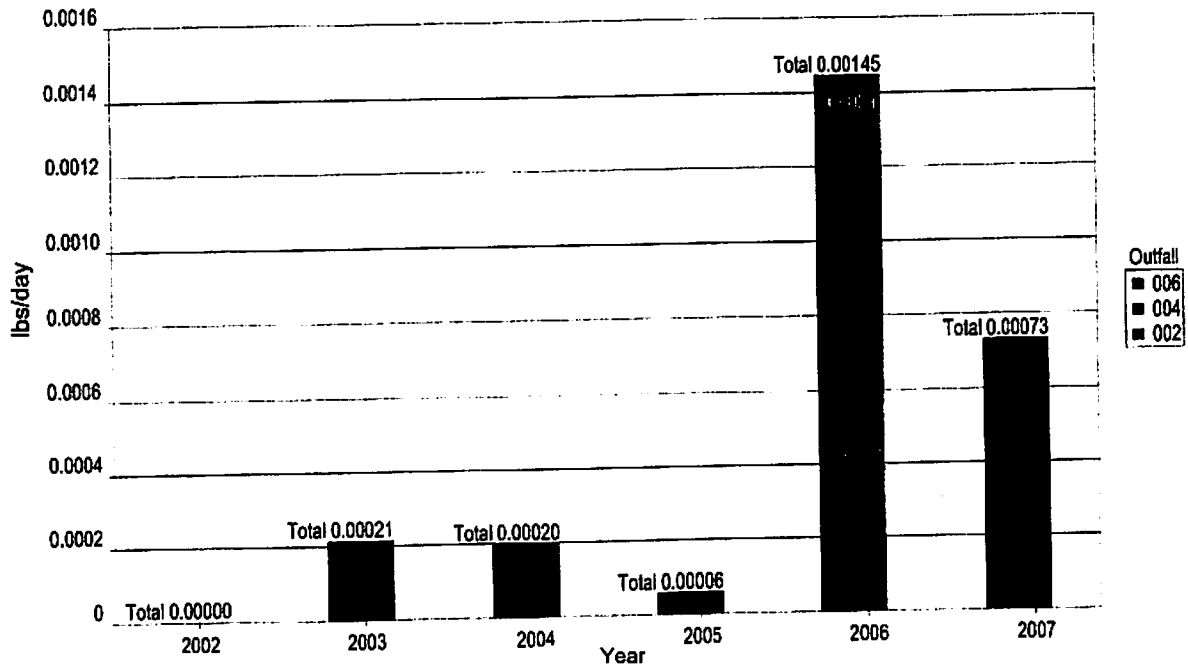
Loadings of Permit Constituents (2002 – 2007)

Loadings of metals, pH and TSS for each outfall that flowed in the past 5 years are broken down by outfall as pounds per day. Flow is also depicted.

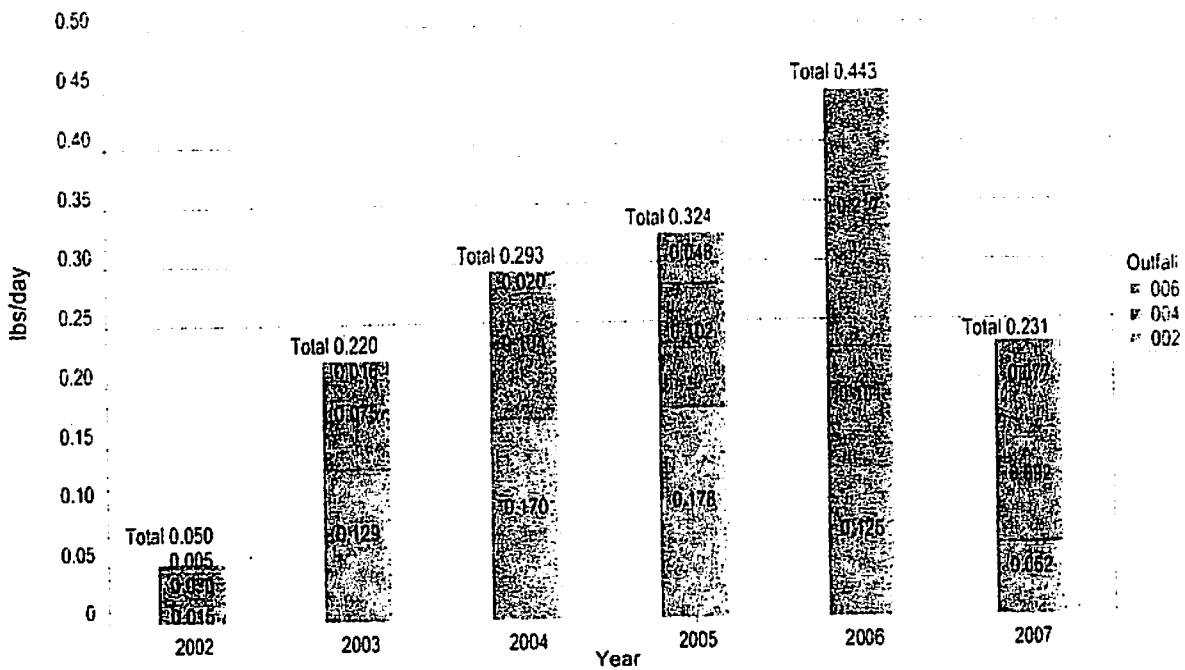
Brandywine Iron Loadings



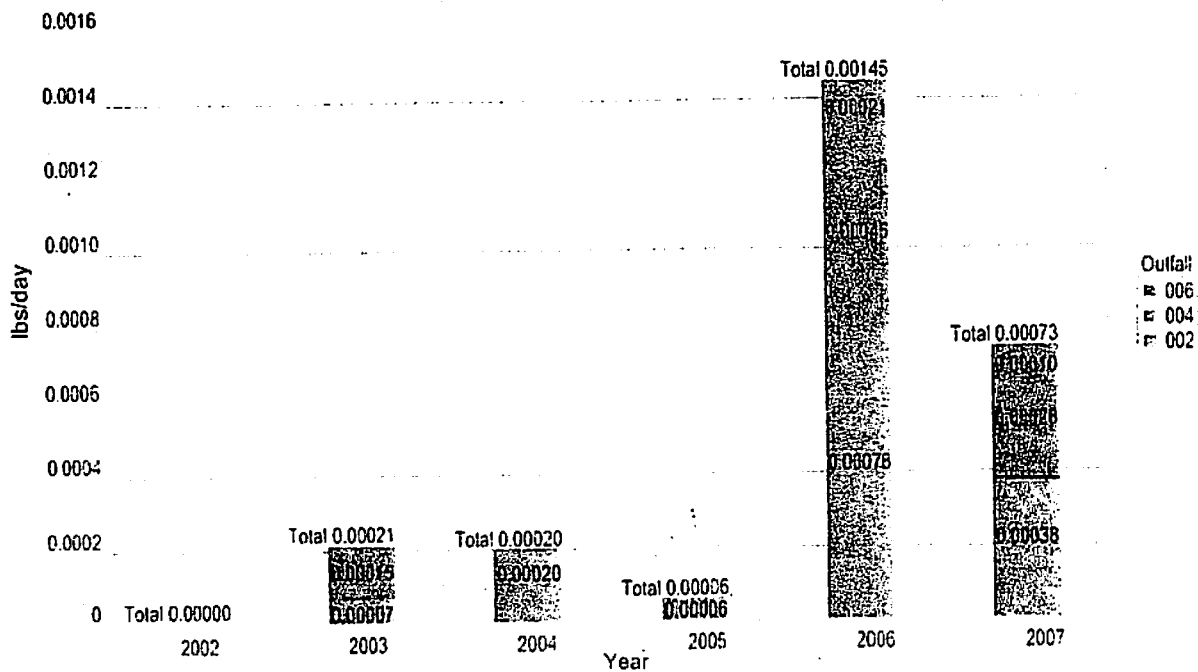
Brandywine Copper Loadings



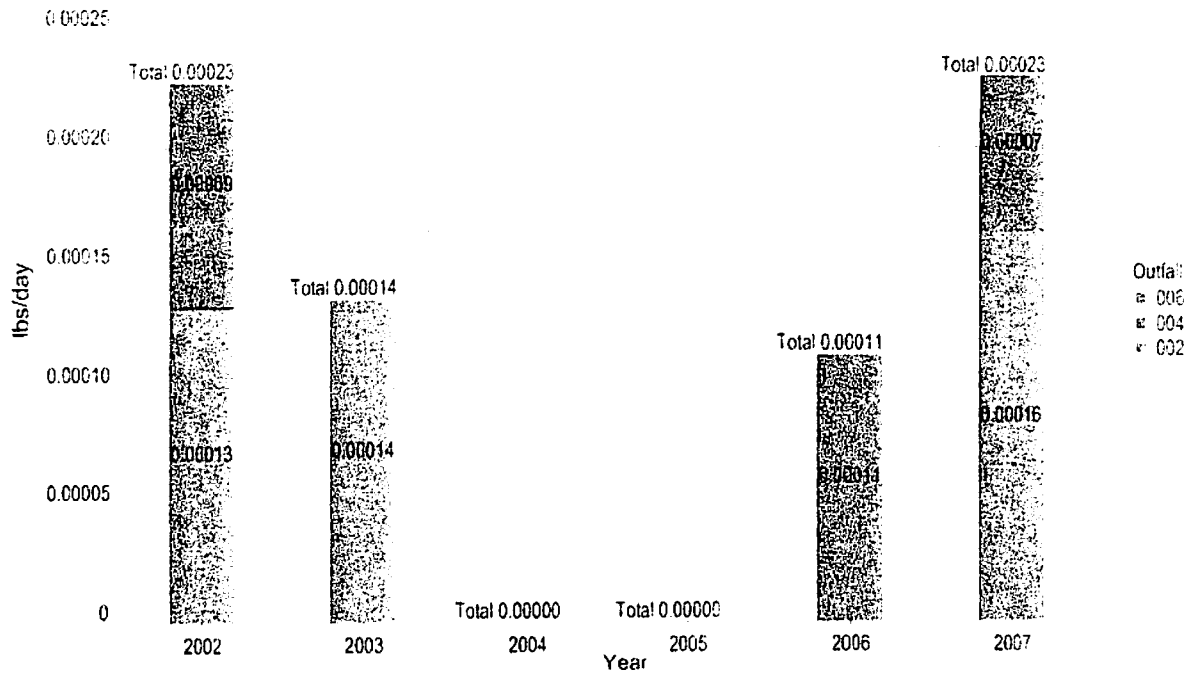
Brandywine Iron Loadings



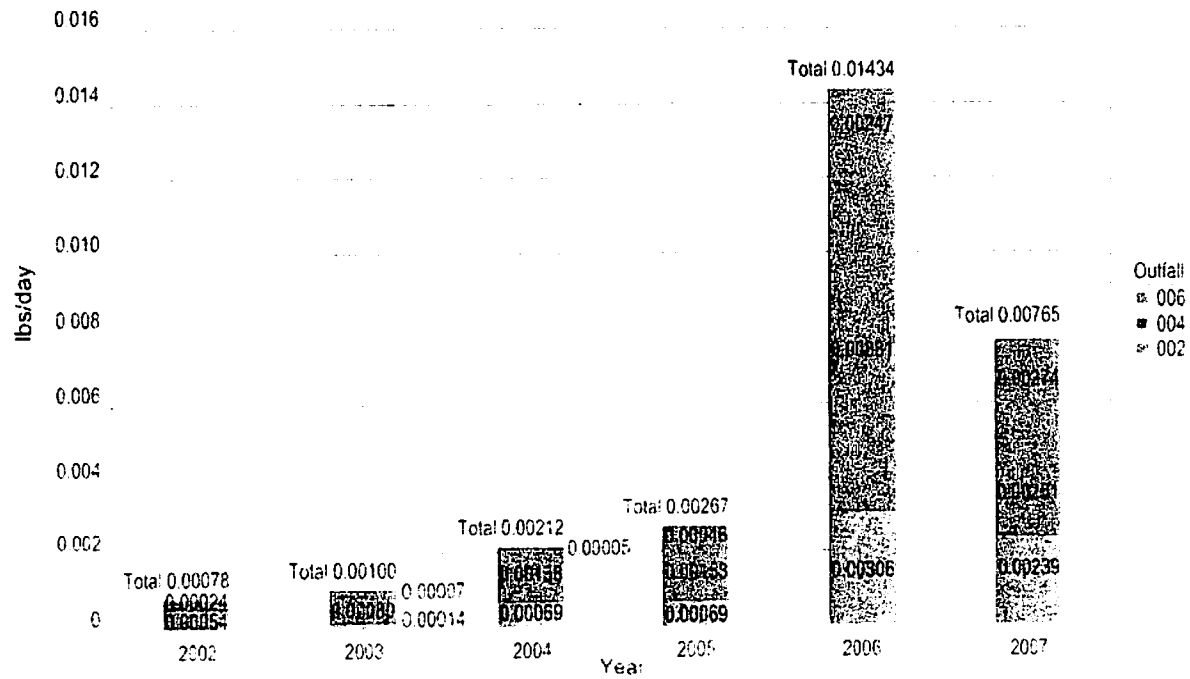
Brandywine Copper Loadings



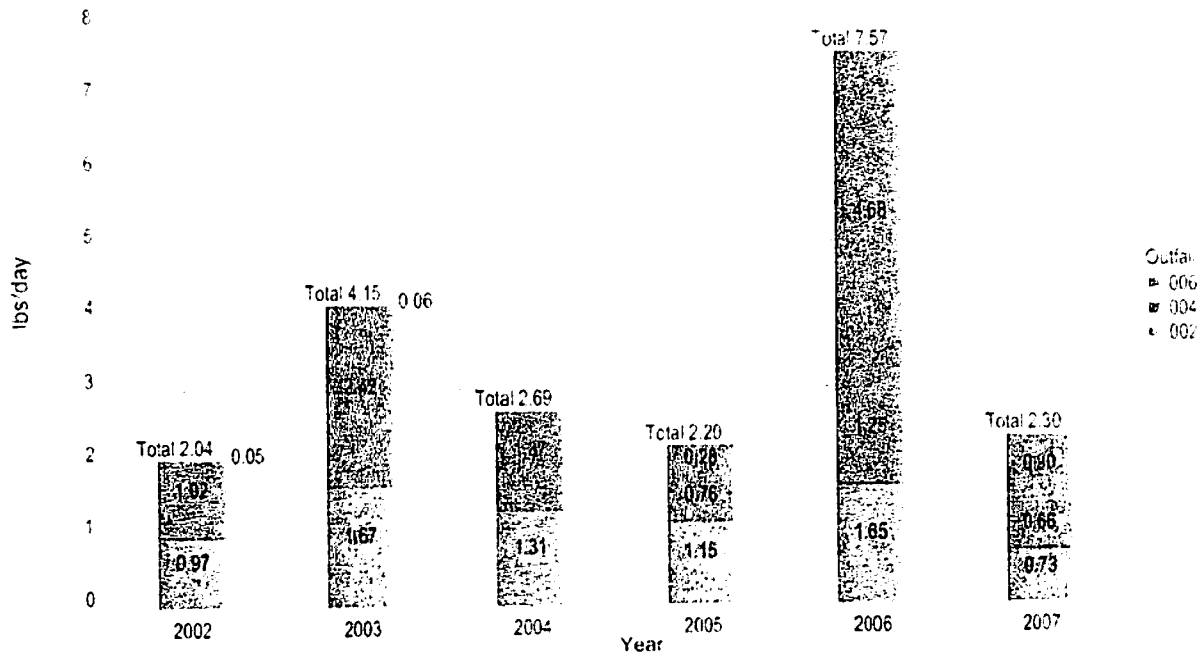
Brandywine Lead Loadings



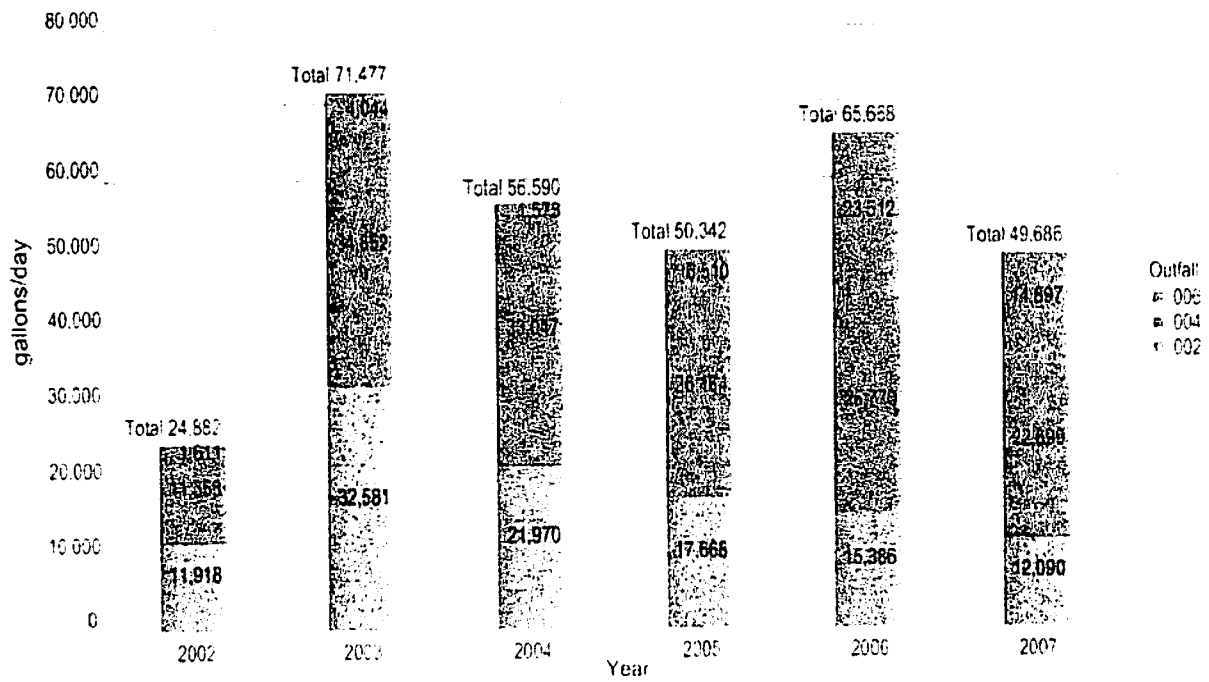
Brandywine Selenium Loadings



Brandywine TSS Loadings



Brandywine Flows



Appendix C

Data from Surface Water Monitoring
Points S-1, S-2 and S-3
(2002 – 2007)

S-1

2002 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0023
CALCIUM	26
CHLORIDE	55
COND	461
COPPER	<0.005
HARDNESS	120
IRON	1.3
LEAD	<0.005
MAGNESIUM	12
PH	5.6
SULFATE	150
TEMP	6.7
ZINC	0.079

2003 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0032
CALCIUM	21
CHLORIDE	41
COND	362
COPPER	0.003
HARDNESS	98
IRON	0.97
LEAD	<0.005
MAGNESIUM	11
PH	5.1
SULFATE	120
TEMP	2.3
ZINC	0.077

2002 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.0025
CALCIUM	31
CHLORIDE	69
COND	588
COPPER	<0.005
HARDNESS	140
IRON	1.2
LEAD	<0.005
MAGNESIUM	16
PH	4.8
SULFATE	180
TEMP	17
ZINC	0.068

2003 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.0021
CALCIUM	18
CHLORIDE	38
COND	327
COPPER	<0.005
HARDNESS	84
IRON	1
LEAD	<0.005
MAGNESIUM	9.5
PH	5.5
SULFATE	110
TEMP	17.1
ZINC	0.055

2002 Q3

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	5.2
CHLORIDE	9.4
COND	93
COPPER	0.004
HARDNESS	20
IRON	2.4
LEAD	<0.005
MAGNESIUM	1.6
PH	6.2
SULFATE	18
TEMP	25
ZINC	0.037

2003 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.0006
CALCIUM	16
CHLORIDE	22
COND	251
COPPER	<0.005
HARDNESS	65
IRON	5.3
LEAD	<0.005
MAGNESIUM	6
PH	6.2
SULFATE	110
TEMP	21.9
ZINC	0.033

2002 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.0006
CALCIUM	18
CHLORIDE	32
COND	326
COPPER	<0.005
HARDNESS	76
IRON	0.51
LEAD	<0.005
MAGNESIUM	7.4
PH	6.9
SULFATE	87
TEMP	22
ZINC	0.046

2003 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.0006
CALCIUM	12
CHLORIDE	20
COND	255
COPPER	<0.005
HARDNESS	50
IRON	3.4
LEAD	<0.005
MAGNESIUM	4.9
PH	5.8
SULFATE	90
TEMP	18
ZINC	0.03

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08.02.03-2 Table 1
 Highlighted as: **0.0006** acute

S-1 cont.
2004 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0023
CALCIUM	51
CHLORIDE	30
COND	290
COPPER	<0.005
HARDNESS	190
IRON	16
LEAD	0.005
MAGNESIUM	15
PH	5.6
SULFATE	150
TEMP	9.4
ZINC	0.096

2005 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.005
CALCIUM	25
CHLORIDE	43
COND	508
COPPER	<0.005
IRON	3.6
LEAD	<0.005
MAGNESIUM	12
PH	5.9
SULFATE	130
TEMP	3.5
ZINC	0.045

2004 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.005
CALCIUM	18
CHLORIDE	30
COND	313
COPPER	0.004
HARDNESS	82
IRON	3.5
LEAD	<0.005
MAGNESIUM	8.8
PH	6.6
SULFATE	88
TEMP	9
ZINC	0.023

2005 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.005
CALCIUM	17
CHLORIDE	26
COND	282
COPPER	<0.005
HARDNESS	75
IRON	3.3
LEAD	<0.005
MAGNESIUM	7.8
PH	6
SULFATE	75
TEMP	12
ZINC	0.037

2004 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.005
CALCIUM	15
CHLORIDE	55
COND	236
COPPER	<0.005
HARDNESS	65
IRON	4.3
LEAD	<0.005
MAGNESIUM	6.6
PH	6.3
SULFATE	71
TEMP	25
ZINC	0.021

2005 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.005
CALCIUM	18
CHLORIDE	30
COND	297
COPPER	0.004
HARDNESS	71
IRON	16
LEAD	0.005
MAGNESIUM	6.3
PH	6.5
SULFATE	93
TEMP	28
ZINC	0.02

2004 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.005
CALCIUM	10
CHLORIDE	25
COND	170
COPPER	<0.005
HARDNESS	46
IRON	2.4
LEAD	<0.005
MAGNESIUM	5.1
PH	6.2
SULFATE	62
TEMP	14
ZINC	<0.02

2005 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.005
CALCIUM	15
CHLORIDE	8.5
COND	300
COPPER	<0.005
HARDNESS	58
IRON	1.9
LEAD	<0.005
MAGNESIUM	5.1
PH	6.4
SULFATE	42
TEMP	18
ZINC	0.046

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08.02.03-2 Table 1
Highlighted as: **0.005** acute

S-1 cont.
2006 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	25
CHLORIDE	48
COND	473
COPPER	<0.002
HARDNESS	110
IRON	1.7
LEAD	<0.002
MAGNESIUM	13
PH	5.6
SULFATE	120
TEMP	8.3
ZINC	0.045

2007 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	16
CHLORIDE	17
COND	253
COPPER	<0.002
HARDNESS	69
IRON	4.2
LEAD	0.002
MAGNESIUM	7
PH	6.6
SULFATE	90
TEMP	6.3
ZINC	0.2

2006 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.0005
CALCIUM	22
CHLORIDE	39
COND	420
COPPER	0.002
HARDNESS	100
IRON	2.4
LEAD	<0.002
MAGNESIUM	11
PH	6
SULFATE	140
TEMP	18
ZINC	0.037

2007 Q2

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	15
CHLORIDE	19
COND	261
COPPER	<0.002
HARDNESS	65
IRON	3.5
LEAD	<0.002
MAGNESIUM	6.6
PH	6.6
SULFATE	98
TEMP	9.7
ZINC	<0.02

2006 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.0005
CALCIUM	19
CHLORIDE	20
COND	314
COPPER	0.003
HARDNESS	76
IRON	2.3
LEAD	0.001
PH	7
SULFATE	100
TEMP	24
ZINC	0.025

2007 Q3

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	18
CHLORIDE	20
COND	450
COPPER	<0.002
HARDNESS	75
IRON	7
LEAD	<0.002
MAGNESIUM	7
PH	7.3
SULFATE	39
TEMP	25
ZINC	<0.02

2006 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	19
CHLORIDE	30
COND	333
COPPER	<0.002
IRON	2.6
LEAD	0.001
MAGNESIUM	7.5
PH	6.6
SULFATE	70
TEMP	19
ZINC	0.038

2007 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	20
CHLORIDE	18
COND	1020
COPPER	0.0021
HARDNESS	81
IRON	6.8
LEAD	<0.002
MAGNESIUM	7.5
PH	7.3
SULFATE	100
TEMP	18
ZINC	<0.02

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08.02.03-2 Table 1
Highlighted as: **0.001** acute

S-2

2002 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.003
CALCIUM	32
CHLORIDE	77
COND	551
COPPER	<0.005
HARDNESS	130
IRON	1.9
LEAD	<0.005
MAGNESIUM	13
PH	6.6
SULFATE	95
TEMP	4.1
ZINC	0.042

2003 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0036
CALCIUM	50
CHLORIDE	67
COND	981
COPPER	<0.005
HARDNESS	250
IRON	0.76
LEAD	<0.005
MAGNESIUM	31
PH	7.2
SULFATE	270
TEMP	2.1
ZINC	0.048

2002 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.003
CALCIUM	24
CHLORIDE	63
COND	421
COPPER	<0.005
HARDNESS	100
IRON	2
LEAD	<0.005
MAGNESIUM	9.8
PH	7
SULFATE	77
TEMP	17
ZINC	0.028

2003 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.002
CALCIUM	20
CHLORIDE	43
COND	298
COPPER	<0.005
HARDNESS	84
IRON	1
LEAD	<0.005
MAGNESIUM	8.3
PH	7
SULFATE	45
TEMP	14.4
ZINC	0.053

2002 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.003
CALCIUM	20
CHLORIDE	54
COND	423
COPPER	<0.005
HARDNESS	88
IRON	1.1
LEAD	<0.005
MAGNESIUM	8.9
PH	6.3
SULFATE	78
TEMP	24
ZINC	0.027

2003 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.003
CALCIUM	51
CHLORIDE	60
COND	784
COPPER	<0.005
HARDNESS	210
IRON	3.1
LEAD	<0.005
MAGNESIUM	20
PH	7.2
SULFATE	250
TEMP	23.5
ZINC	0.021

2002 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.003
CALCIUM	87
CHLORIDE	220
COND	1470
COPPER	<0.005
HARDNESS	380
IRON	0.73
LEAD	<0.005
MAGNESIUM	39
PH	5.9
SULFATE	320
TEMP	21
ZINC	0.066

2003 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.005
CALCIUM	18
CHLORIDE	48
COND	357
COPPER	<0.005
HARDNESS	77
IRON	2.4
LEAD	<0.005
MAGNESIUM	7.6
PH	6.6
SULFATE	54
TEMP	14
ZINC	<0.02

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08.02.03-2 Table 1
 Highlighted as **0.003** acute

S-2 cont.
2004 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	19
CHLORIDE	36
COND	280
COPPER	<0.005
HARDNESS	79
IRON	2.6
LEAD	<0.005
MAGNESIUM	7.9
PH	6.6
SULFATE	28
TEMP	9.3
ZINC	0.029

2005 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	21
CHLORIDE	47
COND	399
COPPER	<0.005
IRON	1.7
LEAD	<0.005
MAGNESIUM	9
PH	7
SULFATE	49
TEMP	4.1
ZINC	0.033

2004 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	21
CHLORIDE	51
COND	389
COPPER	<0.005
HARDNESS	88
IRON	1.9
LEAD	<0.005
MAGNESIUM	8.4
PH	7.1
SULFATE	49
TEMP	5.6
ZINC	0.028

2005 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	13
CHLORIDE	31
COND	236
COPPER	<0.005
HARDNESS	54
IRON	2
LEAD	<0.005
MAGNESIUM	5.2
PH	6.8
SULFATE	41
TEMP	12
ZINC	0.031

2004 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	72
CHLORIDE	180
COND	1280
COPPER	<0.005
HARDNESS	330
IRON	3
LEAD	<0.005
MAGNESIUM	37
PH	6.9
SULFATE	320
TEMP	25
ZINC	0.02

2005 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	24
CHLORIDE	69
COND	512
COPPER	<0.005
HARDNESS	110
IRON	3
LEAD	<0.005
MAGNESIUM	11
PH	6.6
SULFATE	92
TEMP	26
ZINC	<0.02

2004 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	22
CHLORIDE	69
COND	390
COPPER	<0.005
HARDNESS	95
IRON	1.6
LEAD	<0.005
MAGNESIUM	9.8
PH	7
SULFATE	76
TEMP	14
ZINC	<0.02

2005 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.001
CALCIUM	170
CHLORIDE	350
COND	2440
COPPER	<0.005
HARDNESS	740
IRON	2
LEAD	<0.005
MAGNESIUM	76
PH	7.4
SULFATE	310
TEMP	18
ZINC	0.039

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08 02.03-2 Table 1
Highlighted as **acute** acute

S-2 cont.
2006 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0005
CALCIUM	22
CHLORIDE	57
COND	433
COPPER	<0.002
HARDNESS	94
IRON	1.1
LEAD	<0.002
MAGNESIUM	9.4
PH	7
SULFATE	40
TEMP	8.1
ZINC	0.032

2007 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0005
CALCIUM	19
CHLORIDE	39
COND	330
COPPER	<0.002
HARDNESS	83
IRON	1.7
LEAD	0.0022
MAGNESIUM	8.6
PH	7.2
SULFATE	61
TEMP	5
ZINC	<0.02

2006 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.0005
CALCIUM	24
CHLORIDE	52
COND	433
COPPER	<0.002
HARDNESS	100
IRON	2.5
LEAD	<0.002
MAGNESIUM	10
PH	7
SULFATE	93
TEMP	18
ZINC	0.022

2007 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.0005
CALCIUM	15
CHLORIDE	32
COND	296
COPPER	<0.002
HARDNESS	65
IRON	1.6
LEAD	<0.002
MAGNESIUM	6.8
PH	7
SULFATE	48
TEMP	9.6
ZINC	<0.02

2006 Q3

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	28
CHLORIDE	54
COND	512
COPPER	0.0021
HARDNESS	120
IRON	2.9
LEAD	0.002
MAGNESIUM	13
PH	7.4
SULFATE	51
TEMP	28
ZINC	0.02

2007 Q3

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	77
CHLORIDE	150
COND	1300
COPPER	<0.002
HARDNESS	330
IRON	0.96
LEAD	<0.002
MAGNESIUM	34
PH	6.7
SULFATE	220
TEMP	24
ZINC	<0.02

2006 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	24
CHLORIDE	52
COND	467
COPPER	0.0025
IRON	1.5
LEAD	0.0005
MAGNESIUM	10
PH	7.2
SULFATE	70
TEMP	18
ZINC	0.025

2007 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	160
CHLORIDE	38
COND	2560
COPPER	<0.002
HARDNESS	710
IRON	0.26
LEAD	<0.002
MAGNESIUM	73
PH	6.8
SULFATE	970
TEMP	17
ZINC	<0.02

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08.02.05.2 Table 1
Highlighted as **Exceed** acute

S-3

2002 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0002
CALCIUM	29
CHLORIDE	70
COND	506
COPPER	<0.005
HARDNESS	120
IRON	3.4
LEAD	<0.005
MAGNESIUM	12
PH	6.8
SULFATE	100
TEMP	5.8
ZINC	0.048

2003 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0007
CALCIUM	44
CHLORIDE	64
COND	521
COPPER	<0.005
HARDNESS	220
IRON	1.2
LEAD	<0.005
MAGNESIUM	27
PH	6.8
SULFATE	450
TEMP	2.5
ZINC	0.037

2002 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.00046
CALCIUM	22
CHLORIDE	59
COND	384
COPPER	<0.005
HARDNESS	95
IRON	1.2
LEAD	<0.005
MAGNESIUM	9.5
PH	6.8
SULFATE	72
TEMP	19
ZINC	0.029

2003 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.002
CALCIUM	17
CHLORIDE	41
COND	302
COPPER	<0.005
HARDNESS	74
IRON	0.81
LEAD	<0.005
MAGNESIUM	7.6
PH	6.7
SULFATE	46
TEMP	17.2
ZINC	0.051

2002 Q3

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	31
CHLORIDE	77
COND	610
COPPER	<0.005
HARDNESS	130
IRON	1.2
LEAD	<0.005
MAGNESIUM	14
PH	6.9
SULFATE	93
TEMP	27
ZINC	0.065

2003 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.0005
CALCIUM	43
CHLORIDE	56
COND	656
COPPER	<0.005
HARDNESS	170
IRON	2.9
LEAD	<0.005
MAGNESIUM	17
PH	7.1
SULFATE	230
TEMP	23.7
ZINC	0.021

2002 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.00085
CALCIUM	68
CHLORIDE	150
COND	1080
COPPER	<0.005
HARDNESS	280
IRON	0.56
LEAD	<0.005
MAGNESIUM	28
PH	6.8
SULFATE	280
TEMP	24
ZINC	0.039

2003 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	17
CHLORIDE	45
COND	324
COPPER	<0.005
HARDNESS	72
IRON	2
LEAD	<0.005
MAGNESIUM	7.3
PH	6.7
SULFATE	44
TEMP	17
ZINC	<0.02

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08.02.03-2 Table 1
 Highlighted as **0.0005** acute

S-3 cont.
2004 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0012
CALCIUM	17
CHLORIDE	33
COND	270
COPPER	<0.005
HARDNESS	71
IRON	2.4
LEAD	<0.005
MAGNESIUM	7.2
PH	6.6
SULFATE	59
TEMP	9.4
ZINC	0.025

2005 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.0012
CALCIUM	19
CHLORIDE	42
COND	350
COPPER	<0.005
IRON	1.6
LEAD	<0.005
MAGNESIUM	6.2
PH	7
SULFATE	55
TEMP	4.2
ZINC	0.031

2004 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.0012
CALCIUM	20
CHLORIDE	50
COND	358
COPPER	<0.005
HARDNESS	84
IRON	1.6
LEAD	<0.005
MAGNESIUM	8.2
PH	6.8
SULFATE	66
TEMP	8.2
ZINC	<0.02

2005 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.0012
CALCIUM	13
CHLORIDE	27
COND	220
COPPER	<0.005
HARDNESS	54
IRON	1.8
LEAD	<0.005
MAGNESIUM	5.3
PH	6.6
SULFATE	39
TEMP	12
ZINC	0.027

2004 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.0012
CALCIUM	59
CHLORIDE	150
COND	1040
COPPER	<0.005
HARDNESS	270
IRON	2.7
LEAD	<0.005
MAGNESIUM	30
PH	6.9
SULFATE	290
TEMP	25
ZINC	0.02

2005 Q3

Parameter	Concentration (mg/l)
CADMIUM	0.0012
CALCIUM	21
CHLORIDE	60
COND	466
COPPER	<0.005
HARDNESS	92
IRON	2.4
LEAD	<0.005
MAGNESIUM	9.7
PH	6.5
SULFATE	76
TEMP	26
ZINC	0.034

2004 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	21
CHLORIDE	72
COND	370
COPPER	<0.005
HARDNESS	94
IRON	1.4
LEAD	<0.005
MAGNESIUM	9.8
PH	7
SULFATE	90
TEMP	13
ZINC	<0.02

2005 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.0012
CALCIUM	97
CHLORIDE	140
COND	1440
COPPER	<0.005
HARDNESS	400
IRON	1.6
LEAD	<0.005
MAGNESIUM	39
PH	7.2
SULFATE	280
TEMP	18
ZINC	0.048

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.08.02.03.2 Table 1
Highlighted as **acute** acute

S-3 cont
2006 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.002
CALCIUM	22
CHLORIDE	50
COND	400
COPPER	<0.002
HARDNESS	92
IRON	0.98
LEAD	<0.002
MAGNESIUM	9.2
PH	7
SULFATE	54
TEMP	8.4
ZINC	0.032

2007 Q1

Parameter	Concentration (mg/l)
CADMIUM	0.002
CALCIUM	18
CHLORIDE	31
COND	300
COPPER	<0.002
HARDNESS	77
IRON	1.6
LEAD	0.002
MAGNESIUM	8.1
PH	7.1
SULFATE	61
TDS	130
TEMP	5
ZINC	<0.02

2006 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.002
CALCIUM	22
CHLORIDE	45
COND	391
COPPER	<0.002
HARDNESS	95
IRON	1.9
LEAD	<0.002
MAGNESIUM	9.7
PH	7
SULFATE	94
TEMP	17
ZINC	0.022

2007 Q2

Parameter	Concentration (mg/l)
CADMIUM	0.002
CALCIUM	14
CHLORIDE	30
COND	272
COPPER	<0.002
HARDNESS	61
IRON	1.3
LEAD	<0.002
MAGNESIUM	6.4
PH	6.9
SULFATE	48
TEMP	9.5
ZINC	<0.02

2006 Q3

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	25
CHLORIDE	50
COND	452
COPPER	<0.002
HARDNESS	110
IRON	3.1
LEAD	<0.002
MAGNESIUM	11
PH	7.3
SULFATE	68
TEMP	29
ZINC	<0.02

2007 Q3

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	37
CHLORIDE	95
COND	730
COPPER	<0.002
HARDNESS	160
IRON	2.1
LEAD	<0.002
MAGNESIUM	16
PH	6.9
SULFATE	140
TEMP	28
ZINC	<0.02

2006 Q4

Parameter	Concentration (mg/l)
CADMIUM	0.002
CALCIUM	22
CHLORIDE	53
COND	417
COPPER	<0.002
IRON	1.4
LEAD	0.002
MAGNESIUM	9.6
PH	7.1
SULFATE	70
TEMP	18
ZINC	0.021

2007 Q4

Parameter	Concentration (mg/l)
CADMIUM	<0.0005
CALCIUM	190
CHLORIDE	30
COND	2400
COPPER	<0.002
HARDNESS	770
IRON	1
LEAD	<0.002
MAGNESIUM	74
PH	6.8
SULFATE	940
TEMP	18
ZINC	<0.02

Exceedance of numeric criteria for protection of aquatic life per COMAR 26.06.02.02 Table 1
Highlighted as **0.002** acute

ATTACHMENT C

**Mirant-Brandywine Quarterly Monitoring
Reports January 2006 through December 2008**

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 01 01 TO 06 03 31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	***	***	***	***	***	***	***			
00400 1 0 0	PERMIT REQUIREMENT	***	***	***	6.0	***	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	***	***	***	MINIMUM	***	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	***	***	***	***	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	MEASUREMENT	***	***	***	***	***	***	***			
00530 1 0 0	PERMIT REQUIREMENT	***	***	***	***	***	***	***			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	***	***	***	***	***	***	***			
HARDNESS	PERMIT REQUIREMENT	***	***	***	***	***	***	***			
(AS CACO3)	MEASUREMENT	***	***	***	***	***	***	***			
00900 1 0 0	PERMIT REQUIREMENT	***	***	***	***	***	***	***			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	***	***	***	***	***	***	***			
COPPER, TOTAL	PERMIT REQUIREMENT	***	***	***	***	***	***	(19) MG/L		ONCE/MONTH	GRAB
(AS CU)	MEASUREMENT	***	***	***	***	***	***	***			
01042 1 0 0	PERMIT REQUIREMENT	***	***	***	***	***	***	***			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	***	***	***	***	***	***	***			
IRON, TOTAL	PERMIT REQUIREMENT	***	***	***	***	***	***	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	MEASUREMENT	***	***	***	***	***	***	***			
01045 1 0 0	PERMIT REQUIREMENT	***	***	***	***	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	***	***	***	***	QUART AV	DAILY MX	***			
LEAD, TOTAL	PERMIT REQUIREMENT	***	***	***	***	***	***	***			
(AS PB)	MEASUREMENT	***	***	***	***	***	***	***			
01061 1 0 0	PERMIT REQUIREMENT	***	***	***	***	***	***	***			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	***	***	***	***	***	***	***			
ZINC, TOTAL	PERMIT REQUIREMENT	***	***	***	***	***	***	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	MEASUREMENT	***	***	***	***	***	***	***			
01092 1 0 0	PERMIT REQUIREMENT	***	***	***	***	***	***	***			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	***	***	***	***	***	***	***			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	***	***	***	***	REPORT	DAILY MX	***			
JAMES P. GARLICK											
Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
301-843-4439											
TELEPHONE											
DATE											
ONCE/MONTH											
GRAB											
AREA CODE NUMBER											
YEAR MO DAY											

Form by W-304-010010-0045 01/10/95

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD									
06	01	01	TO				06	03	31
FROM									

NO DISCHARGE ☒

CONCENTRATION

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT	EX	
SELENIUM, TOTAL (AS SE)		SAMPLE MEASUREMENT	****	****	****	****	****	****		
EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	****	****	****	****	REPORT	(19) MG/L		ONCE/ MONTH
THRU TREATMENT PLANT		SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	****	****		
50050 1 0 0		PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****		ONCE/ MONTH
EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT								
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PERMITTEE NAME/ADDRESS
 NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 MDD054836
 PERMIT NUMBER

002 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 002 POND D1

MONITORING PERIOD
 FROM 06 01 01 TO 06 03 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	7.2	****	7.4	SU	0	2/90	GRAB
00400 1 0 0	PERMIT	****	****	****	6.0	****	9.0	(12) SU	0	ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	PERMIT	****	****	****	****	9.125	17.0	MGL	0	2/90	GRAB
SUSPENDED	MEASUREMENT	****	****	****	35	QUART AV	70	(19) MGL	0	ONCE/ MONTH	GRAB
00530 1 0 0	PERMIT	****	****	****	2200.0	REPORT	2400.0	MGL	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.005	REPORT	0.007	(19) MGL	0	2/90	GRAB
HARDNESS	PERMIT	****	****	****	1.530	REPORT	2.100	MGL	0	2/90	GRAB
(AS CACO3)	MEASUREMENT	****	****	****	3.5	QUART AV	7.0	(19) MGL	0	ONCE/ MONTH	GRAB
00900 1 0 0	PERMIT	****	****	****	<0.002	REPORT	<0.002	MGL	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.017	REPORT	0.024	MGL	0	2/90	GRAB
COPPER, TOTAL	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
(AS CU)	MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
01042 1 0 0	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
IRON, TOTAL	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
(AS FE)	MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
01045 1 0 0	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
LEAD, TOTAL	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
(AS PB)	MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
01051 1 0 0	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
ZINC, TOTAL	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
(AS ZN)	MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
01092 1 0 0	PERMIT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.024	REPORT	0.024	MGL	0	2/90	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
 JAMES P. GARLICK
 Vice President, Operations
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 (Signature)
 TELEPHONE 301-843-4439
 AREA CODE NUMBER 06-04-12
 DATE

COMMENT AND EXPLANATION OF ANY VIOLATIONS
 ** Average includes values below detection limit.
 MAY - 2 2006
 (Reference all attachments here)

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 01 | 01 TO 06 | 03 | 31

OUTFALL 002 POND D1

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	PERMIT	****	****	****	****	0.0225	0.0260	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/ MONTH	GRAB
THRU TREATMENT PLANT	SAMPLE	29500	694500	GPD	****	****	****	****	0	4/90	MEAS
50050 1 0 0	PERMIT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	0	ONCE/ MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

004 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 01 | 01 TO 06 | 03 | 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.1	****	7.5	SU	0	2/90	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	8.8	13.0	MG/L	0	2/90	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
00530 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	1300.0	1300.0	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/90	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	1.075	1.800	MG/L	0	2/90	GRAB
COPPER, TOTAL (AS CU)	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	1.075	1.800	MG/L	0	2/90	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/90	GRAB
LEAD, TOTAL (AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01051 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.081	0.088	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	0.081	0.088	MG/L	0	2/90	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

JAMES P. GARLICK

Vice President, Operations

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

[Signature]

COMMENT AND EXPLANATION OF ANY VIOLATIONS

NA - 0000 (Reference all attachments here)

TELEPHONE

301-843-4439

AREA CODE NUMBER

DATE

06-04-12

YEAR MO DAY

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 01 | 01 TO 06 | 03 | 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.2	****	7.3	SU	0	2/90	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	4.0	4.4	MG/L	0	2/90	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
00530 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	95.5	110.0	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
HARDNESS	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/90	GRAB
(AS CaCO3)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.795	0.860	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/90	GRAB
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.795	0.860	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
IRON, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/90	GRAB
(AS FE)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01045 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
LEAD, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/90	GRAB
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01051 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/90	GRAB
(AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER JAMES P. GARLICK Vice President, Operations TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALITY PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY ENQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, MYSELF AND EMPLOYEES ARE AWARE THAT FALSE AND MISLEADING INFORMATION SUBJECTING A DISCHARGE TO FALSIFICATION IS ILLEGAL AND SUBJECT TO CIVIL AND CRIMINAL PENALTIES FOR KNOWINGLY FALSIFYING.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 301-843-4439
DATE 06-04-1
AREA CODE NUMBER YEAR MO DAY

(Reference all attachments here)

Form by WindowChem(707)854 0845 p/n11090 v2 01 4/196

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

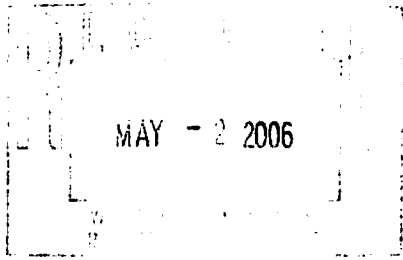
MONITORING PERIOD
FROM 06 01 01 TO 06 03 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	01147 1 0 0	****	****	****	****	0.0230	0.0310	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/MONTH	GRAB
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	28908	702234	GPD	****	****	****		0	5/90	MEAS
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****			ONCE/MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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Mirant Chalk Point, LLC
25100 Chalk Point Road, Aquasco, MD 20608
T 301-843-4121 F 301-843-4281 U www.mirant.com



April 10, 2006

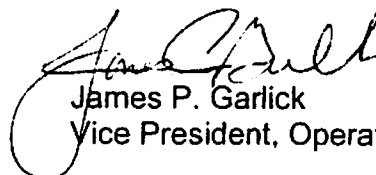
Mr. Thomas C. Boone
Director, Compliance Program
Water Management Administration
Maryland Department of the Environment
1800 Washington Blvd.
Baltimore, MD 21230

RE: Discharge Monitoring Reports
Brandywine Ash Storage Site
NPDES Permit Number: MD0054836

Please find enclosed the Discharge Monitoring Report for the above referenced facility. This report satisfies the reporting requirements for the first quarter, 2006.

If you have any questions or comments, please contact Pat Langley at 301-843-4439.

Sincerely,


James P. Garlick
Vice President, Operations

Enclosures

cc: P. Miglio
P. Langley
J. Wight

MIRANT MD ASH MANAGEMENT, LLC
 Box 10
 AQUASCO MD 20608

PERMIT NUMBER: MD0054836
 MONITORING PERIOD:
 FROM 1/1/2006 TO 3/31/2006

BRANDYWINE ASH STORAGE SITE GROUNDWATER 1 st QUARTER 2006

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.3	3.9	4.4	5.8	3.9	6.2
TEMPERATURE (C)	13	12	11	10	11	14
WATER LEVELS (FT)	153.31	159.63	196.91	176.42	188.91	136.82
DISSOLVED ALUMINUM	3.4	9.0	8.5	<0.10	19	<0.10
DISSOLVED CADMIUM	0.047	0.0034	0.0056	<0.0005	0.0053	0.0007
DISSOLVED COPPER	0.0048	0.0077	0.0040	<0.0020	<0.0020	<0.0020
DISSOLVED IRON	0.19	<0.10	1.5	24	100	17
DISSOLVED LEAD	<0.0020	<0.0020	0.0031	<0.0020	0.0038	<0.0020
DISSOLVED MANGANESE	2.3	1.4	0.80	0.61	1.1	2.2
DISSOLVED NICKEL	0.18	0.072	0.12	<0.020	0.11	0.039
DISSOLVED SILVER	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
CHLORIDE	85	63	190	58	200	170
SULFATE	1,200	710	1,200	220	1,000	760
TOTAL DISS. SOLIDS	1,700	1,000	1,800	470	1,600	1,400

Units mg/l unless otherwise indicated
 < Less than

MIRANT MD ASH MANAGEMENT, LLC
 BOX 10
 AQUASCO MD 20608

PERMIT NUMBER: MD0054836
 MONITORING PERIOD:
 FROM 1/1/2006 TO 3/31/2006

BRANDYWINE ASH STORAGE SITE SURFACE WATER 1 st QUARTER 2006

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	5.6	7.0	7.0
TOTAL HARDNESS	110	94	92
TEMPERATURE (C)	8.3	8.1	8.4
SPECIFIC COND. (US)	473	433	403
TOTAL CADMIUM	0.0010	0.0006	0.0007
TOTAL COPPER	<0.0020	<0.0020	<0.0020
TOTAL IRON	1.7	1.1	0.88
TOTAL LEAD	<0.0020	<0.0020	<0.0020
TOTAL ZINC	0.045	0.032	0.032
CHLORIDE	46	57	50
SULFATE	120	40	54

Units mg/l unless otherwise indicated
 < Less than

MEMORANDUM

TO: File
SUBJECT: DMR Review for Enforcement Purposes

Name of permittee: Brandywine Ash Site
NPDES number: MD0054836
Time period covered by the DMR: 4/06 - 6/06
Inspection region (circle one): Central Eastern Western Southern

Circle one of the following:

No violations noted

Violations noted - not in Significant Non-Compliance - continue to monitor compliance
List parameters in violation

TSS 70 qtr. avg. conc. (35)

Violations noted - in Significant Non-Compliance - evaluate for possible enforcement action
List parameters in violation causing SNC; list any other violations noted

Violations noted - already under a consent order - evaluate for possible stipulated penalties
List parameters in violation

Reviewed by: JBH Date: 10/30/06

PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

006 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 06 | 04 | 01 TO 06 | 06 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT					
PH		****	****	****	6.9	****	6.9	SU	0	1/91	GRAB		
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB		
EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM						
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	70.0	70.0	MG/L	1	1/91	GRAB		
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB		
EFFLUENT GROSS VALUE						QUART AV	DAILY MX						
HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	28.0	28.0	MG/L	0	1/91	GRAB		
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB		
EFFLUENT GROSS VALUE													
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	0.002	0.002	MG/L	0	1/91	GRAB		
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB		
EFFLUENT GROSS VALUE													
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	1.700	1.700	MG/L	0	1/91	GRAB		
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB		
EFFLUENT GROSS VALUE						QUART AV	DAILY MX						
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	0.002	0.002	MG/L	0	1/91	GRAB		
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB		
EFFLUENT GROSS VALUE													
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	1/91	GRAB		
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB		
EFFLUENT GROSS VALUE													
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER													
JAMES P. GARLICK		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTORIAL SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY HONOR OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. I AM AWARE THAT THERE ARE MONITORING PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.								TELEPHONE		DATE	
Vice President, Operations		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								301-843-4439		06-07-19	
TYPED OR PRINTED										APEC CODE NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

TCS was collected during a 10 year storm event (5.3 in.) which according to permit is exempt from the limit of 70 mg/l

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MID0054836
PERMIT NUMBER
001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 06 | 04 | 01 TO 06 | 06 | 30

NO DISCHARGE ☒ X
NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM	****			
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	QUART AV	DAILY MX	****			
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
(AS CAC03)	MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
(AS CU)	MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
(AS FE)	MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
(AS PB)	MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
(AS ZN)	MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	****			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	****			
JAMES P. GARLICK											
Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

Form by WindowsChem7011064-0845 p011090.r5 01/4/106

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MDO054836
PERMIT NUMBER
001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 06 04 01 TO 06 06 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SELENIUM, TOTAL (AS SE)	PERMIT REQUIREMENT	****	****	****	****	****	****			
01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	****	REPORT		ONCE/ MONTH	GRAB
THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****		ONCE/ MONTH	MEAS
50050 1 0 0	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
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PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 04 | 01 TO 06 | 06 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
PH	SAMPLE MEASUREMENT	****	****	****	7.7	****	7.7	SU	0	1/91	GRAB	
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	13.0	13.0	MG/L	0	1/91	GRAB	
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB	
00530 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	2200.0	2200.0	MG/L	0	1/91	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	0.010	0.010	MG/L	0	1/91	GRAB	
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.710	0.710	MG/L	0	1/91	GRAB	
COPPER, TOTAL (AS CU)	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB	
01042 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/91	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	1/91	GRAB	
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
LEAD, TOTAL (AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
01051 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		JAMES P. GARLICK							TELEPHONE		DATE	
Vice President, Operations		TYPED OR PRINTED							301-843-4439		06-07-19	
COMMENT AND EXPLANATION OF ANY VIOLATIONS		(Reference all attachments here)							AREA CODE NUMBER		YEAR MO DAY	

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
004 B
DISCHARGE NUMBER

MINOR
(SUBRO3)
F - FINAL
OUTFALL 004 POND B

MONITORING PERIOD
FROM 06 04 01 TO 06 06 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	7.1	****	7.4	SU	0	2/91	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	3.7	****	4.6	MGL	0	2/91	GRAB
SUSPENDED	MEASUREMENT	****	****	****	35	****	70	(19) MGL	0	ONCE/MONTH	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	QUART AV	****	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	1650.0	****	1700.0	MGL	0	2/91	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
(AS CACO3)	MEASUREMENT	****	****	****	0.003	****	0.004	MGL	0	2/91	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	** 0.11	****	0.170	MGL	0	2/91	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	3.5	****	7.0	(19) MGL	0	ONCE/MONTH	GRAB
(AS CU)	MEASUREMENT	****	****	****	QUART AV	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.002	****	<0.002	MGL	0	2/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
(AS FE)	MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
(AS PB)	MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
(AS ZN)	MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
JAMES P. GARLICK	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
Vice President, Operations	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
TYPED OR PRINTED	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
COMMENT AND EXPLANATION OF ANY VIOLATIONS	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB
** Average includes values below detection limit.	PERMIT REQUIREMENT	****	****	****	0.032	****	0.040	MGL	0	2/91	GRAB

AREA CODE NUMBER 301-843-4439
Form by WindowChem/07/94-0435.ppt 10/09/03 01:41:58

YEAR MO DAY
06 - 07 - 19

PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MONITORING REPORT (DMR)
MID0054836
PERMIT NUMBER

DISCHARGE NUMBER
004 B

MINOR (SUBR03)
F - FINAL
OUTFALL 004 POND B

MONITORING PERIOD
FROM 06 | 04 | 01 TO 06 | 06 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	01147 1 0 0	****	****	****	****	0.0160	0.0220	MG/L	0	ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	25659	491000	GPD	****	****	****	****	0	5/91	MEAS
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	0	ONCE/ MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM 1982-1983

006 E

OUTFALL 006 POND A2

MONITORING PERIOD									
06	04	01		TO	06	06	30		

FROM

7

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO.		FREQUENCY OF ANALYSIS		SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT	EX						
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0057	0.0057	MG/L	0	1/91	GRAB				
	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/ MONTH	GRAB				
	SAMPLE MEASUREMENT	11780	268000	GPD	****	****	****	****	0	4/91	MEAS				
THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/ MONTH	MEAS				
	SAMPLE MEASUREMENT														
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NAME / TITLE PRINCIPAL EXECUTIVE OFFICER															
JAMES P. GARLICK															
Vice President, Operations															
TYPED OR PRINTED															
COMMENT AND EXPLANATION OF ANY VIOLATIONS															

NOTE: Read instructions before completing this form.

Reference all attachments here

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 301-843-4439

DATE 06-07-19

APR. CODE NUMBER YEAR MO DAY

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 4/1/2006 TO 6/30/2006

2 nd QUARTER 2006

Units mg/l unless otherwise indicated
< Less than



MIRANT MD ASH MANAGEMENT, LLC
BOX 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 4/1/2006 TO 6/30/2006

BRANDYWINE ASH STORAGE SITE

SURFACE WATER

2 nd QUARTER 2006

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	6	7	7
TOTAL HARDNESS	100	100	95
TEMPERATURE (C)	18	18	17
SPECIFIC COND. (uS)	420	433	391
TOTAL CADMIUM	0.0007	0.0006	0.0006
TOTAL COPPER	0.002	<0.002	<0.002
TOTAL IRON	2.4	2.5	1.9
TOTAL LEAD	<0.002	0.001	<0.002
TOTAL ZINC	0.037	0.022	0.022
CHLORIDE	39	52	45
SULFATE	140	93	94



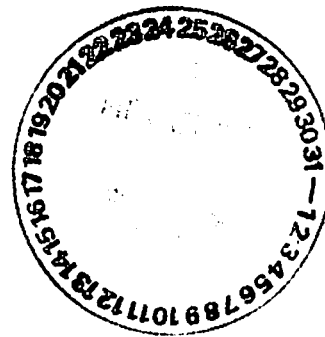
Units mg/l unless otherwise indicated
< Less than

Mirant Chalk Point, LLC
25100 Chalk Point Road, Aquasco, MD 20608
T 301-843-4121 F 301-843-4281 U www.mirant.com



July 13, 2006

Mr. Thomas C. Boone
Director, Compliance Program
Water Management Administration
Maryland Department of the Environment
1800 Washington Blvd.
Baltimore, MD 21230

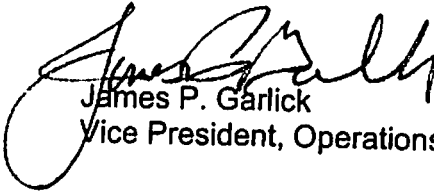


RE: Discharge Monitoring Reports
Brandywine Ash Storage Site
NPDES Permit Number: MD0054836

Please find enclosed the Discharge Monitoring Report for the above referenced facility. This report satisfies the reporting requirements for the second quarter, 2006.

If you have any questions or comments, please contact Pat Langley at 301-843-4439.

Sincerely,


James P. Garlick
Vice President, Operations

Enclosures

cc: P. Miglio
P. Langley
J. Wight

amp

MEMORANDUM

TO: File
SUBJECT: DMR Review for Enforcement Purposes

Name of permittee: Brandywine Ash Storage Site
NPDES number: MD0054836
Time period covered by the DMR: 4/06 - 6/06
Inspection region (circle one): Central Eastern Western Southern

Circle one of the following:

No violations noted

Violations noted - *not in Significant Non-Compliance* - continue to monitor compliance
List parameters in violation

TSS

Violations noted - in Significant Non-Compliance - evaluate for possible enforcement action
List parameters in violation causing SNC; list any other violations noted

Violations noted - already under a consent order - evaluate for possible stipulated penalties
List parameters in violation

Reviewed by: BSG Date: 11/28/07

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
001 B

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 06 04 01 TO 06 06 30

QUANTITY OR LOADING

QUALITY OR CONCENTRATION

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM	(12) SU		ONCE/ MONTH	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
00530 1 0 0	MEASUREMENT	****	****	****	35	QUART AV	70	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
HARDNESS	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
(AS CACO3)	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
00900 1 0 0	MEASUREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	****	****	(19) MG/L		ONCE/ MONTH	GRAB
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
01042 1 0 0	MEASUREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
IRON, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	****	****	(19) MG/L		ONCE/ MONTH	GRAB
(AS FE)	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
01045 1 0 0	MEASUREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
LEAD, TOTAL	SAMPLE MEASUREMENT	****	****	****	3.5	QUART AV	7.0	(19) MG/L		ONCE/ MONTH	GRAB
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
01051 1 0 0	MEASUREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
ZINC, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	****	****	(19) MG/L		ONCE/ MONTH	GRAB
(AS ZN)	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
01092 1 0 0	MEASUREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	REPORT	****	****	****	REPORT	DAILY MX	REPORT	DAILY MX			
JAMES P. GARLICK	REPORT	****	****	****	REPORT	DAILY MX	REPORT	DAILY MX			
Vice President, Operations	REPORT	****	****	****	REPORT	DAILY MX	REPORT	DAILY MX			
TYPED OR PRINTED	REPORT	****	****	****	REPORT	DAILY MX	REPORT	DAILY MX			
COMMENT AND EXPLANATION OF ANY VIOLATIONS	REPORT	****	****	****	REPORT	DAILY MX	REPORT	DAILY MX			
(Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
301-843-4439											
TELEPHONE											
DATE											
06-07-19											
YEAR MO DAY											
FORMS BY WEDDERBURN/07/084-035 (01/10/00) 05/01/01/05											

1000 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MD
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
001 B

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD									
FROM	06	04	01	TO	06	06	30		

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
SELENIUM, TOTAL (AS SE) 01147 1 0 0		****	****	****	****	****	****	****				
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0		****	****	****	****	****	REPORT	(19) MG/L		ONCE/ MONTH	GRAB	
EFFLUENT GROSS VALUE		REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/ MONTH	MEAS	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
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PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

002 B

DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 04 | 01 TO 06 | 06 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	00400 1 0 0	****	****	****	7.7	****	7.7	SU	0	1/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM	MG/L	0	1/91	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	13.0	13.0		(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	35	70		MG/L	0	1/91	GRAB
HARDNESS (AS CaCO3)	PERMIT REQUIREMENT	****	****	****	QUART AV	DAILY MX		(19) MG/L		ONCE/MONTH	GRAB
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	2200.0	2200.0		MG/L	0	1/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX		(19) MG/L		ONCE/MONTH	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	0.010	0.010		MG/L	0	1/91	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX		(19) MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	0.710	0.710		MG/L	0	1/91	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	3.5	7.0		(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	QUART AV	DAILY MX		MG/L	0	1/91	GRAB
LEAD, TOTAL (AS PB)	PERMIT REQUIREMENT	****	****	****	<0.002	<0.002		MG/L	0	1/91	GRAB
01051 1 0 0	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX		(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	<0.02	<0.02		MG/L	0	1/91	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX		(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX		(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
JAMES P. GARLICK
Vice President, Operations
TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY SUPERVISION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THAT THE INFORMATION IS TRUTHFUL, ACCURATE, AND COMPLETE, AND THAT I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
[Signature]

TELEPHONE
301-843-4439

DATE
06-07-19

AREA CODE NUMBER
YEAR MO DAY

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 04 01 TO 06 06 30

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	MEASUREMENT	****	****	****	****	0.0290	0.0290	MG/L	0	1/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	15220	461666	GPD	****	****	****	****	0	3/91	MEAS
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	ONCE/MONTH	MEAS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

004 B

DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 04 | 01 TO 06 | 06 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	00400 1 0 0	****	****	****	7.1	****	7.4	SU	0	2/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM	MG/L	0	2/91	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	****	3.7	4.6	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	35	70	MG/L	0	2/91	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	QUART AV	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CACO3)	SAMPLE MEASUREMENT	****	****	****	****	1650.0	1700.0	MG/L	0	2/91	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.003	0.004	MG/L	0	2/91	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	0.003	0.004	MG/L	0	2/91	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	** 0.11	0.170	MG/L	0	2/91	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	QUART AV	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	0.032	0.040	MG/L	0	2/91	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	0.032	0.040	MG/L	0	2/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		JAMES P. GARLICK Vice President, Operations TYPED OR PRINTED									
COMMENT AND EXPLANATION OF ANY VIOLATIONS		** Average includes values below detection limit.									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		<i>James P. Garlick</i> TELEPHONE 301-843-4439 DATE 06-07-19									
AREA CODE NUMBER		YEAR MO DAY									

(Reference all attachments here)

Forms by WindowChem(707)984-0845 p/n11090.v5 01/4/19

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20708

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)	
DISCHARGE MONITORING REPORT (DMR)	
MD0054836	
PERMIT NUMBER	
004 B	DISCHARGE LIMITS (mg/day)

MONITORING PERIOD									
06	04	01	TO		06	06	30		
FROM									

NOTE: Read instructions before completing this form.

AREA CODE NUMBER	YEAR	MO	DAY
Forms by WindowChem/10/7854-0345.pln/1090 v5 01-41-00			

PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

006 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 06 | 04 | 01 TO 06 | 06 | 30

NO DISCHARGE ☐

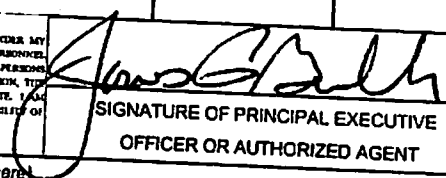
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0057	0.0057	MG/L	0	1/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	11780	268000	GPD	****	****	****	****	0	4/91	MEAS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/MONTH	MEAS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										



NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
JAMES P. GARLICK
 Vice President, Operations
 TYPED OR PRINTED

STATEMENT UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY ENQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


COMMENT AND EXPLANATION OF ANY VIOLATIONS

TELEPHONE
301-843-4439

DATE
06-07-19

YEAR MO DAY

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD,
AQUASCO MD 20608
FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
006 B

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

MONITORING PERIOD
FROM 06 04 01 TO 06 06 30

NO DISCHARGE ☐
NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
00400 1 0 0	PERMIT REQUIREMENT	6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
SOLIDS, TOTAL		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
SUSPENDED		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
00530 1 0 0	PERMIT REQUIREMENT	6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
HARDNESS		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
(AS CACO3)		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
00900 1 0 0	PERMIT REQUIREMENT	6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
COPPER, TOTAL		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
(AS CU)		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
01042 1 0 0	PERMIT REQUIREMENT	6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
IRON, TOTAL		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
(AS FE)		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
01045 1 0 0	PERMIT REQUIREMENT	6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
LEAD, TOTAL		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
(AS PB)		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
01051 1 0 0	PERMIT REQUIREMENT	6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
ZINC, TOTAL		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
(AS ZN)		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
01092 1 0 0	PERMIT REQUIREMENT	6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
JAMES P. GARLICK		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
Vice President, Operations		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
TYPED OR PRINTED		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB
COMMENT AND EXPLANATION OF ANY VIOLATIONS		6.9	6.9	6.9	6.9	6.9	6.9	SU	0	ONCE/MONTH	GRAB

TGS was collected during a 10 year storm event (5.3 in.) which according to permit is exempt from the limit of 70 mg/l

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 4/1/2006 TO 6/30/2006

GROUNDWATER

2 nd QUARTER 2006

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.4	3.9	4.4	5.9	4	6.2
TEMPERATURE (C)	13	12	12	13	13	13
WATER LEVELS (FT)	153.31	159.70	187.12	159.82	173.94	132.65
DISSOLVED ALUMINUM	3.2	8.4	6.1	0.12	6.3	<0.1
DISSOLVED CADMIUM	0.05	0.004	0.0038	<0.0005	0.003	0.0008
DISSOLVED COPPER	0.0058	0.0071	0.0044	<0.002	<0.002	<0.002
DISSOLVED IRON	<0.1	0.06	1.3	27	52	14
DISSOLVED LEAD	<0.002	<0.002	0.0027	<0.002	0.002	<0.002
DISSOLVED MANGANESE	2.2	1.2	0.62	0.62	0.63	2
DISSOLVED NICKEL	0.18	0.068	0.097	0.01	0.062	0.035
DISSOLVED SILVER	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHLORIDE	73	40	110	57	68	140
SULFATE	1400	820	930	320	460	1000
TOTAL DISS. SOLIDS	1600	890	1300	400	640	1400

Units mg/l unless otherwise indicated
< Less than



PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 4/1/2006 TO 6/30/2006

2 nd QUARTER 2006

2 of 2

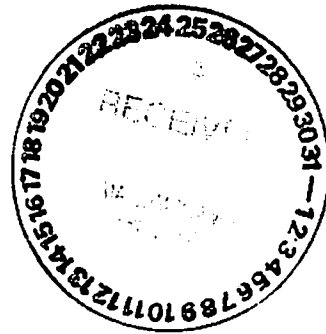
Mirant Chalk Point, LLC
25100 Chalk Point Road, Aquasco, MD 20608
T 301-843-4121 F 301-843-4281 U www.mirant.com



MIRANT

July 13, 2006

Mr. Thomas C. Boone
Director, Compliance Program
Water Management Administration
Maryland Department of the Environment
1800 Washington Blvd.
Baltimore, MD 21230

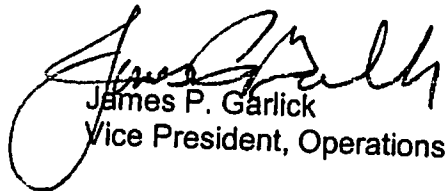


RE: Discharge Monitoring Reports
Brandywine Ash Storage Site
NPDES Permit Number: MD0054836

Please find enclosed the Discharge Monitoring Report for the above referenced facility. This report satisfies the reporting requirements for the second quarter, 2006.

If you have any questions or comments, please contact Pat Langley at 301-843-4439.

Sincerely,


James P. Garlick
Vice President, Operations

Enclosures

cc: P. Miglio
P. Langley
J. Wight

PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

001 B
DISCHARGE NUMBER

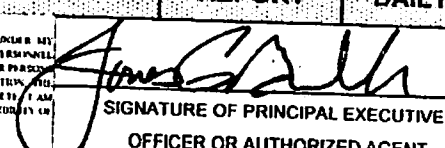
MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 07 | 01 TO 06 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT							
PH	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	8.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
HARDNESS (AS CaCO3)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
01045 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
ZINC, TOTAL (AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
01092 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	****	****	****							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY SUPERVISION OR SUPERVISORY CONTROL IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY DUTY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR PROVIDING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.								TELEPHONE		DATE			
JAMES P. GARLICK										202-365-6870		06-10-20			
Vice President, Operations										AREA CODE NUMBER		YEAR MO DAY			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT													
COMMENT AND EXPLANATION OF ANY VIOLATIONS															

(Reference all attachments here)

Forms by WindowChem(707)864-0845.ph11090.v5 01/4/90

AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD									
06	07	01		TO		06	08	30	

FROM 06 07 01 TO 06 09 30

DISCHARGE MO
MD0054836
PERMIT NUMBER

GG REPORT (DMR)
001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

NO DISCHARGE ☒

NOTE: Read instructions before completing this form

[illegible]

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

MONITORING PERIOD
FROM 06 07 01 TO 06 09 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	8.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
(AS CACO3)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01046 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
JAMES P. GARLICK											
Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
(Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
202-365-6870											
AREA CODE NUMBER											
YEAR MO DAY											
06-10-20											

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MONITORING REPORT (DMR)
MDD054836
PERMIT NUMBER

DISCHARGE NUMBER
002 B

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

MONITORING PERIOD
FROM 06 | 07 | 01 TO 06 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****				
EFFLUENT GROSS VALUE THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****			ONCE/MONTH	GRAB
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PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

004 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 06 | 07 | 01 TO 06 | 09 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.5	****	7.9	SU	0	2/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	7.1	13.0	MG/L	0	2/92	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	1180.0	1400.0	MG/L	0	2/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.0017	0.0024	MG/L	0	2/92	GRAB
HARDNESS (AS CaCO3)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.193	0.380	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	0.001	0.001	MG/L	0	2/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/92	GRAB
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01045 1 0 0	SAMPLE MEASUREMENT	****	****	****	****						
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****						
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****						
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****						
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****						
ZINC, TOTAL (AS ZN)	PERMIT REQUIREMENT	****	****	****	****						
01092 1 0 0	SAMPLE MEASUREMENT	****	****	****	****						
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY INSPECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON AN ENQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR PROVIDING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.									
JAMES P. GARLICK		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									
Vice President, Operations		TELEPHONE 202-365-6870									
TYPED OR PRINTED		DATE 06-10-20									
COMMENT AND EXPLANATION OF ANY VIOLATIONS		AREA CODE NUMBER YEAR MO DAY									
** Average includes values below detection limit.		(Reference all attachments here)									

Form by WindowChem (707)884 0345.ph11090.v5.01.4/1/98

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

MONITORING PERIOD									
06	07	01	TO				06	09	30
FROM									

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0185	0.0230	MG/L	0	2/92	GRAB	
EFFLUENT GROSS VALUE THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	28554	534000	GPD	****	****	****	****	0	5/92	MEAS	
	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	0	ONCE/MONTH	MEAS	
	SAMPLE MEASUREMENT											
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NAME / TITLE PRINCIPAL EXECUTIVE OFFICER												
JAMES P. GARLICK												
Vice President, Operations												
TYPED OR PRINTED												
COMMENT AND EXPLANATION OF ANY VIOLATIONS												
CERTIFY UNDER PENALTY OF LAW THAT THIS REPORTING AND ALL ATTACHMENTS WERE PREPARED FROM AN INSPECTION OR SUPERVISION BY ACCREDITED PERSONNEL WITH A SPECIAL TRAINING IN QUALITY CONTROL. I HEREBY CERTIFY THAT THE INFORMATION REPORTED IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I HAVE REVIEWED THIS REPORT AND BELIEVE THE INFORMATION IS TRUE AND CORRECT. I HAVE REVIEWED THE INFORMATION FOR ACCURACY AND BELIEVE THE INFORMATION IS TRUE AND CORRECT. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 202-365-6870 06-10-20 AREA CODE NUMBER YEAR MO DAY												

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 | 07 | 01 TO 06 | 09 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	6.8	****	7.3	SU	0	3/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	15.1	37.0	MG/L	0	3/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	58.7	79.0	MG/L	0	3/92	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	0.0024	MG/L	0	3/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	1.040	2.600	MG/L	0	3/92	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	0.001	0.001	MG/L	0	3/92	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	3/92	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER JAMES P. GARLICK Vice President, Operations TYPED OR PRINTED											
COMMITTEE UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY ENQUIRY OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. (Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>James P. Garlick</i>											
TELEPHONE 202-365-6870											
DATE 06-10-20											
AREA CODE NUMBER YEAR MO DAY											

COMMENT AND EXPLANATION OF ANY VIOLATIONS
** Average includes values below detection limit.

AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD				
FROM	06	07	01	TO
	06	09	30	

DISCHARGE MONITORING REPORT (DMR)	
MD0054836	0061
PERMIT NUMBER	DISCHARGE

006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

☐ NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

[illegible]

Mirant Mid-Atlantic, LLC
Morgantown Gen. Sta. 12620 Crain Hwy, Newburg, Md. 20664
T 301-843-4600 F 301-843-4552



Mr. Thomas Boone
Director, Compliance Program
Maryland Department of the Environment
Water Management Administration
1800 Washington Blvd.
Baltimore, MD 21230

October 24, 2006

Re: Brandywine Ash Storage Site Third Quarter 2006 Discharge Monitoring Report

Dear Mr. Boone,

Enclosed please find the Quarterly NPDES Discharge Monitoring Report for the Brandywine Ash Storage Site (State Discharge permit No. 02-DP-1389.)

If you need additional information regarding this report, please contact
Ms. Ann Wearmouth at 301-669-8028 or me at 301-843-4670.

Sincerely,

Elizabeth A. Spitzer
Environmental Analyst
Environmental Safety & Health
Mirant Services

Enclosures

This DMR was reviewed by Barry Adams on 3/26/07 and no violations were
noted. BA (initials)

PERMITEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
001 B
DISCHARGE NUMBER

MINOR (SUBR03)
F. FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 06 10 01 TO 06 12 31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	MEASUREMENT	****	****	****	****	****	****	****		
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM			
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L	ONCE/MONTH	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	****	QUART AV	DAILY MX			
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	QUART AV	DAILY MX			
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	****	****			
(AS CAC03)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L	ONCE/MONTH	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX			
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L	ONCE/MONTH	GRAB
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX			
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L	ONCE/MONTH	GRAB
(AS FE)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX			
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L	ONCE/MONTH	GRAB
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX			
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L	ONCE/MONTH	GRAB
(AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
JAMES P. GARLICK	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
Senior Vice President, Operations	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
TYPED OR PRINTED	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			
COMMENT AND EXPLANATION OF ANY VIOLATIONS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX			

REFERENCE all attachments here)
OFFICER OR AUTHORIZED AGENT
301-843-4439
67-01-19
TELEPHONE
DATE

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
001 B

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 06 10 01 TO 06 12 31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SELENIUM, TOTAL (AS SE) 01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	19	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	NO DISC	NO DISC	****	****	****	****	19	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	19	ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT									
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PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MONITORING PERIOD
FROM 06 10 01 TO 06 12 31

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

NO DISCHARGE ☐ NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		****	****	****	7.1	****	7.1	SU	0	1/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	MAXIMUM	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	17.0	35	70	MGL	0	1/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	QUART AV	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	1700.0	1700.0	1700.0	MGL	0	1/92	GRAB
(AS CAC03)	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	0.008	0.008	0.008	MGL	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	0.690	0.690	0.690	MGL	0	1/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	3.5	7.0	7.0	(19) MGL	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	QUART AV	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	<0.002	<0.002	<0.002	MGL	0	1/92	GRAB
(AS FE)	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.02	<0.02	<0.02	MGL	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	<0.02	<0.02	<0.02	MGL	0	1/92	GRAB
(AS PB)	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
(AS ZN)	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	1/92	GRAB
JAMES P. GARLICK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

(Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

APRA CODE NUMBER 301-843-4439

TELEPHONE 61-01-19

YEAR MO DAY

AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MD0054836
PERMIT NUMBER

002 B
DISCHARGE NUMBER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

MONITORING PERIOD				
FROM	06	10	01	TO 06 12 34

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
SELENIUM, TOTAL (AS SE)												
01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0200	0.0200	MG/L	0	1/92	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB	
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	17130	394000	GPD	****	****	****	****	0	4/92	MEAS	
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	0	ONCE/MONTH	MEAS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT											
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PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

004 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 06 | 10 | 01 TO 06 | 12 | 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	6.9	****	7.1	SU	0	2/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	3.4	5.4	MG/L	0	2/92	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	QUART AV	DAILY MX	MG/L	0	2/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	1150.0	1300.0	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	MG/L	0	2/92	GRAB
HARDNESS (AS CaCO3)	PERMIT REQUIREMENT	****	****	****	****	0.004	0.004	(19) MG/L		ONCE/MONTH	GRAB
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	0.409	0.740	MG/L	0	2/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/92	GRAB
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01045 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.048	0.085	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	0.048	0.085	MG/L	0	2/92	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.048	0.085	MG/L	0	2/92	GRAB
ZINC, TOTAL (AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

JAMES P. GARLICK

Senior Vice President, Operations

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY PERSONAL OR SUPERVISORY OR ASSISTANT SUPERVISORY CONTROL WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PREPARE AND MAINTAIN THE DATA AND INFORMATION SUBMITTED BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF A FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

[Signature]

TELEPHONE

301-843-4439

DATE

07-01-19

AREA CODE NUMBER

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

Form by WindowClerk (707) 664-0845 p.11050 v5 01.4/1/96

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD

AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD					
FROM	06	10	01	TO	06 12 31

MD0054836
PERMIT NUMBER

004 B
DISCHARGE NUMBER

INTERNAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
00E483C

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

☐ **NO DISCHARGE** ☐

NOTE: Read instructions before completing this form.

[illegible]

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
006 B
DISCHARGE NUMBER

MINOR
(SUBP03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 06 10 01 TO 06 12 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	PERMIT	6.6	6.6	6.9	6.6	6.6	6.9	SU	0	3/92	GRAB
00400 1 0 0	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
SOLIDS, TOTAL	SAMPLE	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
SUSPENDED	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
00530 1 0 0	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
HARDNESS	SAMPLE	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
(AS CACO3)	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
00900 1 0 0	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
COPPER, TOTAL	SAMPLE	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
(AS CU)	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
01042 1 0 0	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
IRON, TOTAL	SAMPLE	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
(AS FE)	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
01045 1 0 0	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
LEAD, TOTAL	SAMPLE	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
(AS PB)	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
01051 1 0 0	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
ZINC, TOTAL	SAMPLE	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
(AS ZN)	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
01092 1 0 0	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
JAMES P. GARLICK	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
Senior Vice President, Operations	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
TYPED OR PRINTED	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB
COMMENT AND EXPLANATION OF ANY VIOLATIONS	PERMIT	6.0	6.0	6.0	6.0	6.0	6.0	SU	0	3/92	GRAB

AREA CODE NUMBER 301-843-4439
TELEPHONE 01-01-19
YEAR MO DAY

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD,
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
006 B

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

MONITORING PERIOD
FROM 06 10 01 TO 06 12 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	MEASUREMENT					0.0103	0.0120	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT						REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	26913	368333	GPD					0	8/92	MEAS
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD					0	ONCE/MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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Mirant Chalk Point, LLC
25100 Chalk Point Road
Aquasco, MD 20608
T 301-843-4121 F 301-843-4281 U
www.mirant.com



January 25, 2007

Ms. Carol Coates
Maryland Department of the Environment
Water Management Administration
1800 Washington Blvd.
Baltimore, MD 21230

Re: Discharge Monitoring Report
Brandywine Ash Storage Site
NPDES Permit Number: MD0054836

Dear Ms. Coates:

Enclosed is the Mirant Maryland Ash Management, LLC – Brandywine Ash Storage Site's Discharge Monitoring Report for December, 2006. The report was reviewed and signed by our Senior Vice President of Operations, Mr. James P. Garlick.

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

Sincerely,



Tim Klares
Station Environmental Analyst

Enclosures

This DMR was reviewed by Barry Adams on 4/10/07 and no violations were
noted. BA (initials)

PERMITTEE NAME/ADDRESS
MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MDO054836
PERMIT NUMBER
001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 07 | 01 | 01 TO 07 | 03 | 31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
00530 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	****	****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
HARDNESS	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
(AS CACO3)	PERMIT REQUIREMENT	****	****	****	****	****	****				
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
IRON, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
(AS FE)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
01045 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
LEAD, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
01051 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
ZINC, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
(AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
01092 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
JAMES P. GARLICK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

(Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 301-843-4439
AREA CODE NUMBER
DATE 01-04-24
YEAR MO DAY

MINOR
(SUBR03)
F - FINAL

NO DISCHARGE ☒

NOTE: Read instructions before completing this form

[illegible]

PERMITTEE NAME/ADDRESS
 NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 MDD054836
 PERMIT NUMBER
 002 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 002 POND D1

MONITORING PERIOD
 FROM 07 | 01 | 01 TO 07 | 03 | 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	SAMPLE MEASUREMENT	****	****	****	7.1	****	7.2	SU	0	2/90	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU	0	ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	5.7	6.0	MG/L	0	2/90	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	35	QUART AV	70	(19) MG/L	0	ONCE/ MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	2050.0	REPORT	2200.0	MG/L	0	2/90	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	0.004	REPORT	0.005	(19) MG/L	0	ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.950	REPORT	0.960	MG/L	0	2/90	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	3.5	QUART AV	7.0	(19) MG/L	0	ONCE/ MONTH	GRAB
(AS CACO3)	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.005	MG/L	0	2/90	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	0.010	REPORT	0.010	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
(AS CU)	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
(AS FE)	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
JAMES P. GARLICK	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
Senior Vice President, Operations	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
TYPED OR PRINTED	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
COMMENT AND EXPLANATION OF ANY VIOLATIONS	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB
** Average includes values below detection limit.	PERMIT REQUIREMENT	****	****	****	0.003	REPORT	0.010	MG/L	0	2/90	GRAB

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 301-843-4439
 DATE 07-04-24

PERMITTEE NAME: JANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608
FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCH. MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MONITORING PERIOD
FROM 07 01 01 TO 07 03 31

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	PERMIT MEASUREMENT	****	****	****	****	0.0190	0.0200	MG/L	0	2/90	GRAB
01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	27511	653000	GPD	****	****	****	****	0	4/90	MEAS
THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MAX	(07) GPD	****	****	****	****	0	ONCE/ MONTH	MEAS
50050 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
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PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MDD0054836
PERMIT NUMBER
004 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 01 01 TO 07 03 31

NO DISCHARGE ☐

OUTFALL 004 POND B

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		MEASUREMENT	****	****	6.5	****	6.9	SU	0	3/90	GRAB
00400 1 0 0		PERMIT	****	****	6.0	****	9.0	(12)		ONCE/	GRAB
EFFLUENT GROSS VALUE		REQUIREMENT	****	****	MINIMUM	MAXIMUM				MONTH	
SOLIDS, TOTAL		SAMPLE	****	****	4.0	5.0		MG/L	0	3/90	GRAB
SUSPENDED		PERMIT	****	****	35	70		(19)		ONCE/	GRAB
00530 1 0 0		REQUIREMENT	****	****	QUART AV	DAILY MX		MG/L	0	3/90	GRAB
EFFLUENT GROSS VALUE		SAMPLE	****	****	1333.3	1500.0		MG/L	0	3/90	GRAB
HARDNESS		PERMIT	****	****	REPORT	DAILY MX		(19)		ONCE/	GRAB
(AS CAC03)		REQUIREMENT	****	****	<0.002	<0.002		MG/L	0	3/90	GRAB
00900 1 0 0		SAMPLE	****	****	0.857	1.200		MG/L	0	3/90	GRAB
EFFLUENT GROSS VALUE		PERMIT	****	****	3.5	7.0		(19)		ONCE/	GRAB
COPPER, TOTAL		REQUIREMENT	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
(AS CU)		SAMPLE	****	****	0.001	0.002		MG/L	0	3/90	GRAB
01042 1 0 0		PERMIT	****	****	REPORT	DAILY MX		(19)		ONCE/	GRAB
EFFLUENT GROSS VALUE		REQUIREMENT	****	****	0.092	0.120		MG/L	0	3/90	GRAB
IRON, TOTAL		SAMPLE	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
(AS FE)		PERMIT	****	****	0.001	0.002		(19)		ONCE/	GRAB
01045 1 0 0		REQUIREMENT	****	****	0.001	0.002		MG/L	0	3/90	GRAB
EFFLUENT GROSS VALUE		SAMPLE	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
LEAD, TOTAL		PERMIT	****	****	REPORT	DAILY MX		(19)		ONCE/	GRAB
(AS PB)		REQUIREMENT	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
01051 1 0 0		SAMPLE	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
EFFLUENT GROSS VALUE		PERMIT	****	****	REPORT	DAILY MX		(19)		ONCE/	GRAB
ZINC, TOTAL		REQUIREMENT	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
(AS ZN)		SAMPLE	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
01092 1 0 0		PERMIT	****	****	REPORT	DAILY MX		(19)		ONCE/	GRAB
EFFLUENT GROSS VALUE		REQUIREMENT	****	****	REPORT	DAILY MX		MG/L	0	3/90	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER								TELEPHONE		DATE	
JAMES P. GARLICK								301-843-4439		07-c4-24	
Senior Vice President, Operations											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

Form by WabacoChem (07/064-0343 pmt 1090 v5 01 4798)

PERMITTEE NAME: JESS
NAME: JANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
004 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 | 01 | 01 TO 07 | 03 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	01147 1 0 0	****	****	****	****	0.0099	0.0120	MG/L	0	3/90	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
THRU TREATMENT PLANT	MEASUREMENT	31800	545000	GPD	****	****	****	****	0	6/90	MEAS
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	0	ONCE/MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 | 01 | 01 TO 07 | 03 | 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.0	****	8.1	SU	0	3/90	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM				
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	7.5	19.0	MG/L	0	3/90	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
00530 1 0 0						QUART AV	DAILY MX				
EFFLUENT GROSS VALUE											
HARDNESS	SAMPLE MEASUREMENT	****	****	****	****	59	68	MG/L	0	3/90	GRAB
(AS CaCO3)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
00900 1 0 0											
EFFLUENT GROSS VALUE											
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	1.330	0.002	MG/L	0	3/90	GRAB
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01042 1 0 0											
EFFLUENT GROSS VALUE											
IRON, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	0.91	1.20	MG/L	0	3/90	GRAB
(AS FE)	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
01045 1 0 0						QUART AV	DAILY MX				
EFFLUENT GROSS VALUE											
LEAD, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	0.001	0.002	MG/L	0	3/90	GRAB
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01051 1 0 0											
EFFLUENT GROSS VALUE											
ZINC, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	3/90	GRAB
(AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0											
EFFLUENT GROSS VALUE											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER									TELEPHONE		DATE
JAMES P. GARLICK									301-843-4439		07-04-24
Senior Vice President, Operations									SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED									OFFICER OR AUTHORIZED AGENT		
COMMENT AND EXPLANATION OF ANY VIOLATIONS									AREA CODE NUMBER		YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS
** Average includes values below detection limit.

(Reference all attachments here)

Forms by WwswChem(707)864 0845 pml1090 v3 01 4/196

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

NO DISCHARGE

QUANTITY OR LOADING	QUALITY OR CONCENTRATION
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PARAMETER		QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0123	0.0160	MG/L	0	3/90	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/ MONTH	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	21763	354333	GPD	****	****	****	****	0	7/90	MEAS	
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/ MONTH	MEAS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT											
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MILPANT MD ASH MANAGEMENT, LLC
BOX 16
ADUMSCO MD 20608

PERMIT NUMBER: K10064536
MONITORING PERIOD:
FROM 1/1/2007 TO 3/31/2007

BRANDYWINE ASH STORAGE SITE

SURFACE WATER

1 st QUARTER 2007

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	6.6	7.2	7.1
TOTAL HARDNESS	69	83	77
TEMPERATURE (C)	6.3	5	5
SPECIFIC COND. (US)	253	330	308
TOTAL CADMIUM	0.0015	0.0015	0.0016
TOTAL COPPER	<0.002	<0.002	<0.002
TOTAL IRON	4.2	1.7	1.6
TOTAL LEAD	0.0029	0.0022	0.0023
TOTAL ZINC	0.20	<0.020	<0.020
CHLORIDE	17	39	31
SULFATE	90	61	61

Units mg/l unless otherwise indicated
< less than

MIRANT MD ASH MANAGEMENT, LLC
Box 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 1/1/2007 TO 3/31/2007

BRANDYWINE ASH STORAGE SITE

GROUNDWATER

1 st QUARTER 2007

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.5	3.9	4.6	5.9	4	6.3
TEMPERATURE (C)	12	11	9.9	9.4	10	11
WATER LEVELS (FT)	153.39	160.07	196.99	176.19	189.60	137.09
DISSOLVED ALUMINUM	2.4	6.9	5.2	0.17	2.8	<0.10
DISSOLVED CADMIUM	0.044	0.0048	0.0044	0.0009	0.0021	0.0018
DISSOLVED COPPER	0.0043	0.0049	0.0026	<0.0020	<0.0020	<0.0020
DISSOLVED IRON	<0.10	<0.10	0.87	29	33	17
DISSOLVED LEAD	0.0022	0.0026	0.0041	0.002	0.003	0.003
DISSOLVED MANGANESE	2.0	1.1	0.64	0.67	0.39	2.1
DISSOLVED NICKEL	0.17	0.064	0.085	<0.020	0.04	0.041
DISSOLVED SILVER	<0.0010	<0.0010	<0.0010	0.0010	<0.0010	<0.0010
CHLORIDE	60	29	130	65	34	120
SULFATE	1200	580	1200	230	210	710
TOTAL DISS. SOLIDS	1200	730	1100	370	330	1200

Units mg/l unless otherwise indicated
< Less than

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
07/04/01 07/05/01

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Senior Vice President, Operations TYPED OR PRINTED										
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
301-843-4439

07-07-19

AREA CODE NUMBER YEAR MO DAY

(Reference all attachments here)

Form by WashCo Chem 707/954 0845 p011090 v5 01 4/1/96

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07-04-19 TO 07-05-19

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****				
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	****	REPORT	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/MONTH	MEAS
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PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCOCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MID0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

MONITORING PERIOD
09-01-01 to 09-30-01

NO DISCHARGE ☐

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		****	****	****	7.4	****	7.4	SU	0	1/91	GRAB
00400 1 0 0		****	****	****	6.0	****	9.0	(12) SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	5.2	35	70	MGL	0	1/91	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	QUART AV	2100.0	2100.0	MGL	0	1/91	GRAB
00530 1 0 0		****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.007	0.007	0.007	MGL	0	1/91	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
(AS CACO3)		****	****	****	0.740	0.740	0.740	MGL	0	1/91	GRAB
00900 1 0 0		****	****	****	3.5	7.0	7.0	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	<0.002	<0.002	<0.002	MGL	0	1/91	GRAB
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
(AS CU)		****	****	****	0.020	<0.020	<0.020	MGL	0	1/91	GRAB
01042 1 0 0		****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	0.007	0.007	0.007	MGL	0	1/91	GRAB
IRON, TOTAL	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
(AS FE)		****	****	****	0.740	0.740	0.740	MGL	0	1/91	GRAB
01045 1 0 0		****	****	****	3.5	7.0	7.0	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	<0.002	<0.002	<0.002	MGL	0	1/91	GRAB
LEAD, TOTAL	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
(AS PB)		****	****	****	0.020	<0.020	<0.020	MGL	0	1/91	GRAB
01051 1 0 0		****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	0.020	<0.020	<0.020	MGL	0	1/91	GRAB
ZINC, TOTAL	SAMPLE MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
(AS ZN)		****	****	****	0.020	<0.020	<0.020	MGL	0	1/91	GRAB
01092 1 0 0		****	****	****	REPORT	DAILY MX	DAILY MX	MGL	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	0.020	<0.020	<0.020	MGL	0	1/91	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
FORM 3-P CATALOG											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
(reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
TELEPHONE											
301-843-4439											
67-07-19											
AREA CODE NUMBER											
YEAR MO DAY											

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MONITORING PERIOD
FROM 07-01-01 TO 07-01-01

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

NO DISCHARGE ☐
NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	REPORT				
SELENIUM, TOTAL (AS SE)		****	****	****	****	0.0190	0.0190		MG/L	0	1/91	GRAB
EFFLUENT GROSS VALUE		****	****	****	****	****	REPORT		(19) MG/L		ONCE/MONTH	GRAB
THRU TREATMENT PLANT		12110	551000	GPD	****	****	****					
50050 1 0 0		REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****			0	2/91	MEAS
EFFLUENT GROSS VALUE											ONCE/MONTH	MEAS
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PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

004 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 07/01/07 TO 07/06/07

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.1	****	7.1	SU	0	2/91	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	3.2	4.4	MG/L	0	2/91	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	1450.0	1600.0	MG/L	0	2/91	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.0024	0.0027	MG/L	0	2/91	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	0.221	0.380	MG/L	0	2/91	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/91	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.039	0.055	MG/L	0	2/91	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

Senior Vice President, Operations
 TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND REVIEW ALL THE INFORMATION SUBMITTED BASED ON AN EMPLOY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR OTHER PERSONS DUTIFULLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION IS RELIABLE TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS STATEMENT AND COMPLETELY TRUE AND THAT THERE NO KNOWN OR PENALTY FOR VIOLATION OF THIS INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND/OR IMPRISONMENT FOR KNOWING VIOLATIONS.

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE
 301-843-4439
 AREA CODE NUMBER
 YEAR MO DAY
 07-07-19

(Reference all attachments here)

Forms by WastechChem(707)854-0945 ph11090 v5 01.4/1/98

AQUASCIO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
004 B

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)**

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

MONITORING PERIOD			
07	04	10	07

NO DISCHARGE ☐

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
SELENIUM, TOTAL (AS SE)	SAMPLE MEASUREMENT	****	****	****	****	0.0127	0.0160	MG/L	0	2/91	GRAB
01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	MG/L	0	ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	21440	523000	GPD	****	****	****	(19) MG/L	0	4/91	MEAS
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	0	ONCE/ MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCOC MD 20608

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
006 B

MINOR
(SUBR03)
F - FINAL

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07/04/10 TO 07/06/10

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		****	****	****	7.4	****	7.4	SU	0	1/91	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	13.0	****	13.0	MGL	0	1/91	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	35	****	70	(19) MGL	0	ONCE/MONTH	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	89.0	****	89.0	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.0022	****	0.0022	MGL	0	1/91	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	0.950	****	0.950	MGL	0	1/91	GRAB
(AS CAC03)	PERMIT REQUIREMENT	****	****	****	3.5	****	7.0	(19) MGL	0	ONCE/MONTH	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.002	****	<0.002	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX				
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
(AS CU)	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX				
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
(AS FE)	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX				
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
(AS PB)	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX				
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
(AS ZN)	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	REPORT	****	DAILY MX				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	REPORT	****	DAILY MX				

Signature of Principal Executive Officer: *[Signature]*
OFFICER OR AUTHORIZED AGENT

301-843-4439
301-843-4439
01-07-19

AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)	
DISCHARGE MONITORING REPORT (DMR)	
MD0054836	006 B
PERMIT NUMBER	DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

MONITORING PERIOD		
FROM	TO	
07-04-01	10	07-06-96

NO DISCHARGE ☐

QUANTITY OR LOADING	QUALITY OR CONCENTRATION
NOTE: Read instructions before completing this form	

PAGE 1 OF 1

MIRANT MD ASH MANAGEMENT, LLC
 Box 10
 AQUASCO MD 20608

PERMIT NUMBER: MD0054836
 MONITORING PERIOD:
 FROM 4/1/2007 TO 6/30/2007

BRANDYWINE ASH STORAGE SITE

GROUNDWATER

2 nd QUARTER 2007

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.5	3.9	4.7	5.9	4	6.2
TEMP (C)	12.2	9.4	9.1	9.7	9.8	11.2
WATER LEVELS (FT)	153.68	160.94	197.95	176.46	190.19	137.42
DISSOLVED ALUMINUM	1.5	5.6	2.3	0.17	0.73	<0.10
DISSOLVED CADMIUM	0.038	0.0032	0.0018	<0.00050	0.00057	0.00084
DISSOLVED COPPER	0.0037	0.0041	0.0024	<0.0020	<0.0020	<0.0020
DISSOLVED IRON	<0.10	<0.10	0.33	27	14	15
DISSOLVED LEAD	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
DISSOLVED MANGANESE	1.6	0.96	0.38	0.58	0.17	2.00
DISSOLVED NICKEL	0.13	0.056	0.041	<0.020	<0.002	0.034
DISSOLVED SILVER	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHLORIDE	48	21	63	62	11	130
SULFATE	1100	580	690	260	170	1300
TOTAL DISS. SOLIDS	1100	800	790	450	210	1200

Units mg/l unless otherwise indicated
 < Less than

MIRANT MD ASH MANAGEMENT, LLC
BOX 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 4/1/2007 TO 6/30/2007

BRANDYWINE ASH STORAGE SITE

SURFACE WATER

2 nd QUARTER 2007

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	6.6	7	6.9
TEMP (C)	9.7	9.6	9.5
TOTAL HARDNESS	65	65	61
TOTAL CADMIUM	<0.00050	0.00067	0.00071
TOTAL COPPER	<0.0020	<0.0020	<0.0020
TOTAL IRON	3.5	1.6	1.3
TOTAL LEAD	<0.0020	<0.0020	<0.0020
TOTAL ZINC	<0.020	<0.020	<0.020
CHLORIDE	19	32	30
SULFATE	98	48	48

Units mg/l unless otherwise indicated
< Less than

Mirant Chalk Point, LLC
25100 Chalk Point Road
Aquasco MD 20608
T 301-843-4121 F 301-843-4281 U
www.mirant.com



July 23, 2007

CERTIFIED MAIL
7004 1160 0007 4640 6299
Return Receipt Requested

Mr. Thomas C. Boone
Director, Compliance Program
Maryland Department of the Environment
Water Management Administration
1800 Washington Blvd.
Baltimore, MD 21230-1708

Re: Discharge Monitoring Report
Mirant MD Ash Management, LLC
State Discharge Permit Number: 02-DP-1389

Dear Mr. Boone:

Enclosed is the Brandywine Ash Storage Site's Discharge Monitoring Report for the 2nd Quarter, 2007. The report was reviewed and signed by our Senior Vice President of Operations, Mr. James P. Garlick.

Also attached, per Special Conditions Q&R, are data reports for groundwater and surface water.

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

Sincerely,


T. W. Klares

Environmental Analyst

Enclosures (10)

This DMR was reviewed by Barry Adams on 10/1/07 and no violations were
noted. ~~BA~~ (initials)

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FROM	07	07	01	TO	07	09	30
------	----	----	----	----	----	----	----

NO DISCHARGE ☒

NOTE: Read instructions before completing this form

PAGE 2 OF 2

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 07 | 07 | 01 TO 07 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM					
PH	MEASUREMENT	****	****	****	****	****	****	****				
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU			ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM					
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L			ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	QUART AV	DAILY MX					
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L			ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L			ONCE/MONTH	GRAB
(AS CAC03)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX					
JAMES P. GARLICK												
Senior V.P., Operations												
TYPED OR PRINTED												
COMMENT AND EXPLANATION OF ANY VIOLATIONS												
(Reference all attachments here)												
OFFICER OR AUTHORIZED AGENT												
SIGNATURE OF PRINCIPAL EXECUTIVE												
TELEPHONE												
AREA CODE NUMBER												
YEAR MO DAY												

Printed by Windows/Chem/10/10/04 0045 pm/11/00/04 01/01/05

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD
AQUASCOCU MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

MONITORING PERIOD
FROM 07 | 07 | 01 TO 07 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		****	****	****	****	****	****				
00400 1 0 0		****	****	****	6.0	****	9.0	(12)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	35	70	(19)		ONCE/MONTH	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
00630 1 0 0		****	****	****	****	****	****				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	QUART AV	DAILY MX				
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	****	****				
(AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	****	****				
00900 1 0 0		****	****	****	****	REPORT	DAILY MX	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	****	****				
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19)		ONCE/MONTH	GRAB
01042 1 0 0		****	****	****	****	****	****				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	****	****				
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	****	****				
01045 1 0 0		****	****	****	****	3.5	7.0	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
LEAD, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	****	****				
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19)		ONCE/MONTH	GRAB
01051 1 0 0		****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****				
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19)		ONCE/MONTH	GRAB
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	****				
01092 1 0 0		****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK											
Senior V.P., Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
(Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
301-843-4439											
67-10-19											
AREA CODE NUMBER											
YEAR MO DAY											

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20604

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHARGE NO
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER	002 B
G REPORT (DMR)	

MINOR
(SUBR03)
F - FINAL
OUTFALL

OUTFALL 002 POND D1

MONITORING PERIOD				
FROM	07	07	01	TO
	07	06	06	06

FROM 07 | 07 | 01 TO 07 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING				QUALITY OR CONCENTRATION						NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT						
SELENIUM, TOTAL (AS SE)		SAMPLE MEASUREMENT	****	****	****	****	****	****	****	ONCE/MONTH	GRAB			
01147 1 0 0		PERMIT REQUIREMENT	****	****	****	****	****	****	****	ONCE/MONTH	GRAB			
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT		SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	REPORT	(19) MG/L	****	ONCE/MONTH	GRAB			
50050 1 0 0		PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	ONCE/MONTH	MEAS			
EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT								ONCE/MONTH	MEAS			
		PERMIT REQUIREMENT												
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		PERMIT REQUIREMENT												

AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD			
FROM	07	07	10
	07	08	20

MD0054836
PERMIT NUMBER

DISCHARGE NUMBER	004 B
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MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

NO DISCHARGE

NOTE: Read instructions before completing this form

[illegible]

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

004 B
DISCHARGE NUMBER

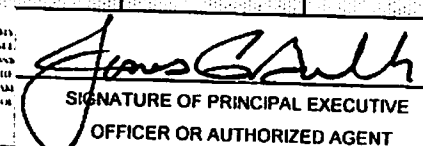
MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 | 07 | 01 TO 07 | 09 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.5	****	7.5	SU	0	1/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	2.4	2.4	MG/L	0	1/92	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	1700.0	1700.0	MG/L	0	1/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.003	0.003	MG/L	0	1/92	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CACO3)	SAMPLE MEASUREMENT	****	****	****	****	0.160	0.160	MG/L	0	1/92	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/92	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	1/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK											
Senior V.P., Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
(Reference all attachments here)											
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								TELEPHONE		301-843-4439	
								AREA CODE NUMBER		YEAR MO DAY	
										07-10-19	

Forms by WinkChem 707/864-0845 pm11090 v5 01 4/1/96

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

006 B

DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD

FROM 07 | 07 | 01 TO 07 | 09 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.1	****	7.2	SU	0	2/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	<7.5	<10	MG/L	0	2/92	GRAB
00530 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
HARDNESS	SAMPLE MEASUREMENT	****	****	****	****	122.0	150.0	MG/L	0	2/92	GRAB
(AS CaCO3)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	** 0.00165	0.002	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	0.195	0.240	MG/L	0	2/92	GRAB
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
IRON, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/92	GRAB
(AS FE)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01045 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
LEAD, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01051 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK											
Senior V.P., Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
** Average includes values below detection limit.											

I HEREBY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT ALL FIELD PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION REPORTED AND THAT THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION REPORTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRULY, FAITHFULLY AND COMPLETELY AND AWARE THAT THERE ARE SEVERAL PENALTIES FOR PROVIDING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE 301-843-4439
 DATE 07-10-19
 AREA CODE NUMBER YEAR MO DAY

Forms By WndowChem(707)884-0845 pmt1090.v5 01/4/96

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

DISCHARGE MONITORING REPORT (DMR)
MID0054836
PERMIT NUMBER

DISCHARGE NUMBER
006 B

MINOR
(SUBR03)
F - FINAL

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 | 07 | 01 TO 07 | 09 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)	MEASUREMENT	****	****	****	****	0.0620	0.1200	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	15217	181000	GPD	****	****	****	****	0	8/92	MEAS
50050 1 0 0	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****	0	ONCE/MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
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MIRANT MD ASH MANAGEMENT, LLC
 Box 10
 AQUASCO MD 20608

PERMIT NUMBER: MD0054836
 MONITORING PERIOD:
 FROM 7/1/2007 TO 9/30/2007

BRANDYWINE ASH STORAGE SITE

GROUNDWATER

3 rd QUARTER 2007

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.4	4.2	3.9	5.7	3.7	6
TEMPERATURE (C)	14	14	14	18	17	15
WATER LEVELS (FT)	153.21	156.00	195.10	174.62	186.64	134.75
DISSOLVED ALUMINUM	2.8	8.8	14	0.17	5.9	<0.1
DISSOLVED CADMIUM	0.046	0.0051	0.008	<0.0005	0.0027	0.0007
DISSOLVED COPPER	0.0048	0.0058	0.0036	<0.002	<0.002	<0.002
DISSOLVED IRON	0.011	0.062	4.6	34	53	6.8
DISSOLVED LEAD	<0.002	0.001	0.0037	<0.002	0.0026	<0.002
DISSOLVED MANGANESE	2.1	1.4	0.79	0.67	0.65	1.5
DISSOLVED NICKEL	0.17	0.084	0.14	0.02	0.063	0.028
DISSOLVED SILVER	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHLORIDE	67	43	180	85	170	86
SULFATE	1100	860	1600	240	260	530
TOTAL DISS. SOLIDS	1400	1100	2000	590	700	1000

Units mg/l unless otherwise indicated
 < Less than

MIRANT MD ASH MANAGEMENT, LLC
BOX 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 7/1/2007 TO 9/30/2007

BRANDYWINE ASH STORAGE SITE SURFACE WATER 3 rd QUARTER 2007

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	7.3	6.7	6.9
TOTAL HARDNESS	75	330	160
TEMPERATURE (C)	25	24	28
SPECIFIC COND. (US)	450	1300	730
TOTAL CADMIUM	<0.0005	<0.0005	<0.0005
TOTAL COPPER	<0.002	<0.002	<0.002
TOTAL IRON	7	0.96	2.1
TOTAL LEAD	<0.002	<0.002	<0.002
TOTAL ZINC	<0.02	<0.02	<0.02
CHLORIDE	20	150	95
SULFATE	39	220	140

Units mg/l unless otherwise indicated
< Less than

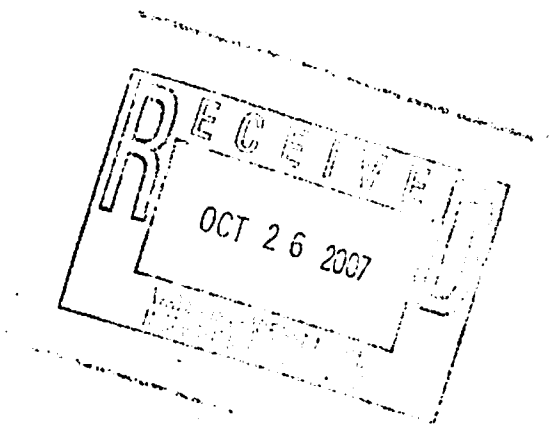
Mirant Chalk Point, LLC
25100 Chalk Point Road
Aguasco, MD 20608
T 301-843-4121 F 301-843-4281 U
www.mirant.com



October 22, 2007

CERTIFIED MAIL
7007 0710 0005 4556 9347
Return Receipt Requested

Mr. Thomas C. Boone
Director, Compliance Program
Maryland Department of the Environment
Water Management Administration
1800 Washington Blvd.
Baltimore, MD 21230-1708



Re: Discharge Monitoring Report
Mirant MD Ash Management, LLC
State Discharge Permit Number: 02-DP-1389

Dear Mr. Boone:

Enclosed is the Brandywine Ash Storage Site's Discharge Monitoring Report for the 3rd Quarter, 2007. The report was reviewed and signed by our Senior Vice President of Operations, Mr. James P. Garlick.

Also attached, per Special Conditions Q&R, are data reports for groundwater and surface water.

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

Sincerely,

T. W. Klares
Environmental Analyst

Enclosures (10)

This DMR was reviewed by Barry Adams on 12/17/07 and no violations were
noted. BA (initials)

REPORT (DMR)
001 B

OUTFALL 001 POND D2

MONITORING PERIOD							
FROM	07	10	01	TO	07	12	31

NO DISCHARGE

NOTE: Read instructions before completing this form

Form No. 101 (Rev. 1-1960)	1-1960	2-1960
Form No. 101 (Rev. 1-1960)	1-1960	2-1960

PERMITTEE NAME ADDRESS
NAME: BRAND MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

ANAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 | 10 | 01 TO 07 | 12 | 31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/ MONTH	MEAS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER
JAMES P. GARLICK
Senior Vice President, Operations
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY DIRECTION OF THE PERSONS PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR INDIVIDUALS.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE
301-843-4439

DATE
08-01-24

AREA CODE NUMBER
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:
NAME: MIPRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836 002 B
PERMIT NUMBER DISCHARGE NUMBER

MINOR (SUBR03)
F - FINAL
OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 10 01 TO 07 12 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	8.0	****	8.0	SU	0	1/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	11.0	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	35	QUART AV	70	(19) MG/L	0	1/92	GRAB
SUSPENDED	MEASUREMENT	****	****	****	2300.0	DAILY MX	2300.0	(19) MG/L	0	1/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	0.004	REPORT	0.004	(19) MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	0.140	REPORT	0.140	(19) MG/L	0	1/92	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	3.5	QUART AV	7.0	(19) MG/L	0	1/92	GRAB
(AS CACO3)	MEASUREMENT	****	****	****	<0.002	REPORT	<0.002	(19) MG/L	0	1/92	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
(AS CU)	MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
(AS FE)	MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
(AS PB)	MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
(AS ZN)	MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	<0.02	REPORT	<0.02	(19) MG/L	0	1/92	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

AREA CODE NUMBER 301-843-4439

DATE 08-01-24

PERMITTEE NAME: BRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

VAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MD0054836 002 B
 PERMIT NUMBER DISCHARGE NUMBER

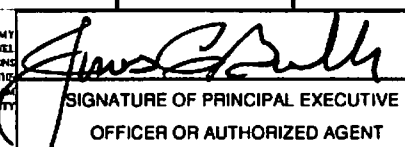
MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 07 10 01 TO 07 12 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0330	0.0330	MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	9207	423500	GPD	****	****	****	****	0	2/92	MEAS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/MONTH	MEAS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY ENQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR INDIVIDUALS.							TELEPHONE	DATE	
JAMES P. GARLICK Senior Vice President, Operations TYPED OR PRINTED									 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
COMMENT AND EXPLANATION OF ANY VIOLATIONS									AREA CODE NUMBER	YEAR MO DAY	

(Reference all attachments here)

Forms by WindowChem(707)864-0845 pmt11090 v5 01.4/1/98

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MID0054836
PERMIT NUMBER
004 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

MONITORING PERIOD
FROM 07 10 01 TO 07 12 31

NO DISCHARGE ☐
NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		MEASUREMENT	****	****	6.9	****	7.1	SU	0	2/92	GRAB
00400 1 0 0		PERMIT	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		SAMPLE	****	****	MINIMUM	MAXIMUM					
SOLIDS, TOTAL		MEASUREMENT	****	****			5.0	MGL	0	2/92	GRAB
SUSPENDED		PERMIT	****	****			70	(19) MGL		ONCE/MONTH	GRAB
00530 1 0 0		REQUIREMENT	****	****							
EFFLUENT GROSS VALUE		SAMPLE	****	****							
HARDNESS		MEASUREMENT	****	****							
(AS CaCO3)		PERMIT	****	****			1650.0	MGL	0	2/92	GRAB
00900 1 0 0		REQUIREMENT	****	****							
EFFLUENT GROSS VALUE		SAMPLE	****	****							
COPPER, TOTAL		MEASUREMENT	****	****							
(AS CU)		PERMIT	****	****			<0.002	MGL	0	2/92	GRAB
01042 1 0 0		REQUIREMENT	****	****							
EFFLUENT GROSS VALUE		SAMPLE	****	****							
IRON, TOTAL		MEASUREMENT	****	****							
(AS FE)		PERMIT	****	****			0.710	MGL	0	2/92	GRAB
01045 1 0 0		REQUIREMENT	****	****							
EFFLUENT GROSS VALUE		SAMPLE	****	****							
LEAD, TOTAL		MEASUREMENT	****	****							
(AS PB)		PERMIT	****	****			3.5	MGL	0	2/92	GRAB
01051 1 0 0		REQUIREMENT	****	****			QUART AV	MGL		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		SAMPLE	****	****							
ZINC, TOTAL		MEASUREMENT	****	****							
(AS ZN)		PERMIT	****	****							
01092 1 0 0		REQUIREMENT	****	****			0.061	MGL	0	2/92	GRAB
EFFLUENT GROSS VALUE		SAMPLE	****	****							
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		PERMIT	****	****							
JAMES P. GARLICK		REQUIREMENT	****	****							
Senior Vice President, Operations		SAMPLE	****	****							
TYPED OR PRINTED		MEASUREMENT	****	****							
COMMENT AND EXPLANATION OF ANY VIOLATIONS		PERMIT	****	****							
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
301-843-4439											
08-01-24											
AREA CODE NUMBER YEAR MO DAY											
Form by W9000-01/07/86-0045 pmt 1000-15 01-07/96											

PERMITTEE NAME/ADDRESS:
IRRAWAT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
004 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 10 01 TO 07 12 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	0.0155	0.0190	MG/L	0	2/92	GRAB
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			GPD	****	****	****	****	0	5/92	MEAS
	PERMIT REQUIREMENT										
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PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
006 B
DISCHARGE NUMBER

MINOR
(SUBP03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 07 10 01 TO 07 12 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	7.0	****	7.0	SU	0	1/92	GRAB
00400 1 0 0	PERMIT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	4.8	4.8	MG/L	0	1/92	GRAB
SUSPENDED	PERMIT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
00530 1 0 0	REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	10.0	10.0	MG/L	0	1/92	GRAB
HARDNESS	PERMIT	****	****	****	****	REPORT	DAILY MX				
(AS CaCO3)	REQUIREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/92	GRAB
00900 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.420	0.420	MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
COPPER, TOTAL	REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/92	GRAB
01042 1 0 0	REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.420	0.420	MG/L	0	1/92	GRAB
IRON, TOTAL	PERMIT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
01045 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	****	REPORT	DAILY MX				
LEAD, TOTAL	REQUIREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/92	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
01051 1 0 0	REQUIREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.420	0.420	MG/L	0	1/92	GRAB
ZINC, TOTAL	PERMIT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
01092 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	****	REPORT	DAILY MX				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	REQUIREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	1/92	GRAB
JAMES P. GARLUCK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
301-843-4439											
08-01-24											
YEAR MO DAY											

Form by WinnowChem/707864-0045.ppt 10980.15 01.01.09

PERMITTEE NAME: BRANDYwine MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER

MINOR (SUBRO3)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYwine ASH STORAGE SITE
LOCATION: BRANDYwine MD

MONITORING PERIOD
FROM 07 10 01 TO 07 12 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)		MEASUREMENT	****	****	****	<0.005	<0.005	MG/L	0	1/92	GRAB
01147 1 0 0		PERMIT	****	****	****	****	REPORT	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE		MEASUREMENT	11359	348333	GPD	****	****	****	0	3/92	MEAS
THRU TREATMENT PLANT		PERMIT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****		ONCE/ MONTH	MEAS
50050 1 0 0		MEASUREMENT									
EFFLUENT GROSS VALUE		PERMIT									
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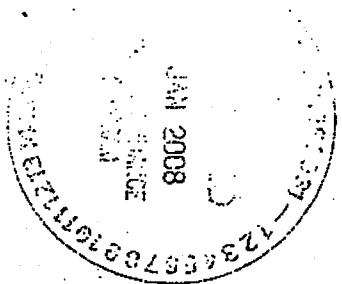
PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 10/1/2007 TO 12/31/2007

BRANDYWINE ASH STORAGE SITE SURFACE WATER 4 Qtr 2007

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	7.3	6.8	6.8
TOTAL HARDNESS	81	710	770
TEMPERATURE (C)	18	17	18
SPECIFIC COND. (us)	1020	2560	2400
TOTAL CADMIUM	<0.0005	<0.0005	<0.0005
TOTAL COPPER	0.0021	<0.002	<0.002
TOTAL IRON	6.8	0.26	1
TOTAL LEAD	<0.002	<0.002	<0.002
TOTAL ZINC	<0.02	<0.02	<0.02
CHLORIDE	18	38	30
SULFATE	100	970	940

Units mg/l unless otherwise indicated
< Less than

2 of 2



PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 10/1/2007 TO 12/31/2007

4 th QUARTER 2007

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.6	4.6	4.3	5.8	3.8	6.2
TEMPERATURE (C)	14	14	16	18	18	16
WATER LEVELS (FT)	153.02	155.45	195.45	174.42	186.09	134.20
DISSOLVED ALUMINUM	2.8	8	9.6	0.11	24	<0.1
DISSOLVED CADMIUM	0.051	0.0058	0.0039	<0.0005	0.0076	0.0008
DISSOLVED COPPER	0.0078	0.013	0.0072	<0.002	0.0043	0.0033
DISSOLVED IRON	<0.1	<0.1	2	31	150	6.2
DISSOLVED LEAD	<0.002	<0.002	0.0052	<0.002	0.0067	<0.002
DISSOLVED MANGANESE	2.2	1.4	0.8	0.85	1.4	1.5
DISSOLVED NICKEL	0.18	<0.02	0.098	<0.02	0.11	0.03
DISSOLVED SILVER	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHLORIDE	69	63	210	140	650	98
SULFATE	1500	920	2200	370	1600	840
TOTAL DISS. SOLIDS	1900	1200	2500	850	2700	1100

1 of 2



PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836	001 B
PERMIT NUMBER	DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD							
FROM	08	01	01	TO	08	03	31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

JAMES P. GARLICK

Senior Vice President, Operations

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY TO THE PERSONS RESPONSIBLE FOR MANAGING THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND/OR IMPRISONMENT FOR KNOWING VIOLATIONS.

[Signature]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

301-843-4439

AREA CODE NUMBER

DATE

08-04-21

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MO
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER	001 B	G REPORT (DMR)
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MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD				
FROM	08	01	01	TO 08 03 31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form

PARAMETER			QUANTITY OR LOADING				QUALITY OR CONCENTRATION						NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT							
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT		****	****	***	****	****	****	***							
EFFLUENT GROSS VALUE THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT		****	****	***	****	****	REPORT	***					ONCE/ MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT		NO DISC	NO DISC	*** (07) GPD	***	****	****	***					ONCE/ MONTH	MEAS	
	PERMIT REQUIREMENT		REPORT QUART AV	REPORT DAILY MX		****	****	****	****							
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NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		JAMES P. GARLICK													TELEPHONE	DATE
Senior Vice President, Operations		TYPED OR PRINTED	CERTIFY I HAVE REVIEWED THE DATA AND ALL ATTACHEMENTS AND AM SATISFIED WITH THE RESULTS. I HAVE REVIEWED THE DATA FOR ANY VIOLATIONS OF THE PERMITS AND/OR REGULATIONS. I HAVE REVIEWED THE DATA FOR ANY VIOLATIONS OF THE PERMITS AND/OR REGULATIONS. I HAVE REVIEWED THE DATA FOR ANY VIOLATIONS OF THE PERMITS AND/OR REGULATIONS. 												301-843-4439	08-04-21
COMMENT AND EXPLANATION OF ANY VIOLATIONS																

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC

ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

002 B

DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD

FROM 08 01 01 TO 08 03 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.6	****	7.7	SU	0	2/91	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	9.5	12.0	MG/L	0	2/91	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
00530 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	5100	7800	MG/L	0	2/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	0.0097	0.0130	MG/L	0	2/91	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.495	0.500	MG/L	0	2/91	GRAB
COPPER, TOTAL (AS CU)	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	**0.1195	0.0390	MG/L	0	2/91	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****						
LEAD, TOTAL (AS PB)	PERMIT REQUIREMENT	****	****	****	****						
01051 1 0 0	SAMPLE MEASUREMENT	****	****	****	****						
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****						
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****						
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****						
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY SUPERVISION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED BY A PERSON WHO QUALIFIED PERSONNEL TO ANALYZE AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY HONORABLE PERSONAL KNOWLEDGE AND BELIEF THAT THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										
JAMES P. GARLICK	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
Senior Vice President, Operations	TELEPHONE 301-843-4439										
TYPED OR PRINTED	DATE 08-04-21										
COMMENT AND EXPLANATION OF ANY VIOLATIONS	AREA CODE NUMBER YEAR MO DAY										

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

** Average includes values below detection limit The MDL for zinc in one sample was .2 mg/l (instead of the typical 0.02). This made the average higher than the max level of 0.039. Lab is addressing.

Outfall 002 did not flow in February

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MDD0054836
PERMIT NUMBER

002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 01 01 TO 08 03 31

NO DISCHARGE ☐
NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE)		MEASUREMENT	****	****	****	0.0315	0.0350	MG/L	0	2/91	GRAB
01147 1 0 0		PERMIT REQUIREMENT	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT	25198	512500	GPD	****	****	****	0	5/91	MEAS
THRU TREATMENT PLANT		PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	0	ONCE/MONTH	MEAS
50050 1 0 0		SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE		PERMIT REQUIREMENT									
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									
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PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
004 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 004 POND B

MONITORING PERIOD
FROM 08 01 01 TO 08 03 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	6.7	****	6.7	SU	0	1/91	GRAB
00400 1 0 0	PERMIT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	SAMPLE	****	****	****	9.0	35	70	MGL	0	1/91	GRAB
SUSPENDED	PERMIT	****	****	****	9.0	35	70	(19) MGL		ONCE/MONTH	GRAB
00530 1 0 0	REQUIREMENT	****	****	****	1500	1500	1500	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
HARDNESS	SAMPLE	****	****	****	0.0041	0.0041	0.0041	MGL	0	1/91	GRAB
(AS CACO3)	PERMIT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
00900 1 0 0	REQUIREMENT	****	****	****	1.100	1.100	1.100	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	****	****	****	3.5	7.0	7.0	(19) MGL		ONCE/MONTH	GRAB
COPPER, TOTAL	SAMPLE	****	****	****	<0.002	<0.002	<0.002	MGL	0	1/91	GRAB
(AS CU)	PERMIT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01042 1 0 0	REQUIREMENT	****	****	****	0.130	0.130	0.130	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
IRON, TOTAL	SAMPLE	****	****	****	0.130	0.130	0.130	MGL	0	1/91	GRAB
(AS FE)	PERMIT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01045 1 0 0	REQUIREMENT	****	****	****	0.130	0.130	0.130	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
LEAD, TOTAL	SAMPLE	****	****	****	0.130	0.130	0.130	MGL	0	1/91	GRAB
(AS PB)	PERMIT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01051 1 0 0	REQUIREMENT	****	****	****	0.130	0.130	0.130	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
ZINC, TOTAL	SAMPLE	****	****	****	0.130	0.130	0.130	MGL	0	1/91	GRAB
(AS ZN)	PERMIT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01092 1 0 0	REQUIREMENT	****	****	****	0.130	0.130	0.130	MGL	0	1/91	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	REQUIREMENT	****	****	****	REPORT	DAILY MX	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
JAMES P. GARLICK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
Outfall 004 did not flow in January and March											

AREA CODE NUMBER 301-843-4439
Form 1 by Widescreen, 707184-0845, print 1004/5 31 4/1986

YEAR MO DAY
08-04-21

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE NO
MD0054836
PERMIT NUMBER

DISCHARGE NUMBER
004 B

MINOR
(SUBP03)
F - FINAL

OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD				
FROM	08	01	01	TO 08 03 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING						QUALITY OR CONCENTRATION						NO.		FREQUENCY OF ANALYSIS		SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT	EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE							
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0150	0.0150	MG/L	0	ONCE/MONTH	GRAB							
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/MONTH	GRAB							
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	11725	533500	GPD	****	****	****	****	0	2/91	MEAS							
	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/MONTH	MEAS							
	SAMPLE MEASUREMENT																	
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	PERMIT REQUIREMENT																	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER										TELEPHONE	DATE							
JAMES P. GARLICK										301-843-4439								
Senior Vice President, Operations											08-04-21							
TYPED OR PRINTED										AREA CODE NUMBER	YEAR MO DAY							
COMMENT AND EXPLANATION OF ANY VIOLATIONS																		

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC

ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

006 B

DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE

LOCATION: BRANDYWINE MD

MONITORING PERIOD

FROM 08 01 01 TO 08 03 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.5	****	7.8	SU	0	2/91	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	6.5	6.5	MG/L	0	2/91	GRAB
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	1010	1100	MG/L	0	2/91	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.0078	0.0084	MG/L	0	2/91	GRAB
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CACO3)	SAMPLE MEASUREMENT	****	****	****	****	0.150	0.160	MG/L	0	2/91	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/91	GRAB
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/91	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	0.150	0.160	MG/L	0	2/91	GRAB
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/91	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/91	GRAB
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		JAMES P. GARLICK							TELEPHONE	DATE	
Senior Vice President, Operations		TYPED OR PRINTED							301-843-4439	08-04-21	
COMMENT AND EXPLANATION OF ANY VIOLATIONS		Outfall 006 did not flow in March							AREA CODE NUMBER	YEAR MO DAY	

(Reference all attachments here)

Forms by WFDAC/Chm/707864 0645 print1060 v5 01/1/96

OUTFALL 006 POND A2

NO DISCHARGE

QUANTITY OF LOADING

Forms by WendenChom, 737, PCA 0845 cml1080 v5.01 4/1/05

MIRANT MD ASH MANAGEMENT, LLC
 Box 10
 AQUASCO MD 20608

PERMIT NUMBER: MD0054836
 MONITORING PERIOD:
 FROM 1/1/2008 TO 3/31/2008

BRANDYWINE ASH STORAGE SITE

GROUNDWATER

1 st QUARTER 2008

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.5	3.8	4.2	5.9	3.8	6.2
TEMPERATURE (C)	13	12	11	10	11	12
DISSOLVED ALUMINUM	2.8	9.2	10	0.12	<0.1	<0.1
DISSOLVED CADMIUM	0.056	0.0057	0.004	<0.0005	0.0086	0.0012
DISSOLVED COPPER	0.009	0.01	0.009	0.0032	0.0059	0.0045
DISSOLVED IRON	<0.1	<0.1	2.1	27	<0.1	8.6
DISSOLVED LEAD	<0.002	<0.002	0.0043	<0.002	0.0059	<0.002
DISSOLVED MANGANESE	2.2	1.3	0.67	0.83	<0.01	1.7
DISSOLVED NICKEL	0.18	0.082	0.091	<0.02	<0.02	0.035
DISSOLVED SILVER	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
CHLORIDE	61	54	200	120	580	110
SULFATE	950	770	1400	310	1400	620
TOTAL DISS. SOLIDS	1400	1100	2200	760	2600	1200

Units mg/l unless otherwise indicated
 < Less than

MIRANT MD ASH MANAGEMENT, LLC
BOX 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 1/1/2008 TO 3/31/2008

BRANDYWINE ASH STORAGE SITE		SURFACE WATER		1 st QUARTER 2008	
PARAMETER	S-1	S-2	S-3		
PH (STD UNITS)	6.8	6.7	7.2		
TOTAL HARDNESS	130	130	140		
TEMPERATURE (C)	4	3.2	4.3		
SPECIFIC COND. (US)	530	568	601		
TOTAL CADMIUM	0.001	0.0007	0.0008		
TOTAL COPPER	<0.002	<0.002	<0.002		
TOTAL IRON	1.9	1.2	0.79		
TOTAL LEAD	<0.002	<0.002	<0.002		
TOTAL ZINC	0.036	0.032	0.029		
CHLORIDE	46	67	74		
SULFATE	130	81	64		

Units mg/l unless otherwise indicated
< Less than

Mirant Chalk Point, LLC
25100 Chalk Point Road
Aquasco, MD 20608
T 301-843-4121 F 301-843-4281 U
www.mirant.com



April 24, 2008

CERTIFIED MAIL
7007 0710 0005 4556 6797
Return Receipt Requested

Mr. Thomas C. Boone
Director, Compliance Program
Maryland Department of the Environment
Water Management Administration
1800 Washington Blvd.
Baltimore, MD 21230-1708

Re: Discharge Monitoring Report
Mirant MD Ash Management, LLC
State Discharge Permit Number: 02-DP-1389

Dear Mr. Boone:

Enclosed is the Brandywine Ash Storage Site's Discharge Monitoring Report for the 1st Quarter, 2008. The report was reviewed and signed by our Senior Vice President of Operations, Mr. James P. Garlick.

Also attached, per Special Conditions Q&R, are data reports for groundwater and surface water.

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

Sincerely,

T. W. Klares
Environmental Analyst

Enclosures (10)

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 04 01 TO 08 06 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB
SUSPENDED	PERMIT REQUIREMENT	****	****	****	****	QUART AV	DAILY MX				
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	****	****				
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CACO3)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS CU)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS FE)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
(AS PB)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
(AS ZN)	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	REPORT	DAILY MX				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
JAMES P. GARLICK	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
Senior Vice President, Operations	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
TYPED OR PRINTED	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				
COMMENT AND EXPLANATION OF ANY VIOLATIONS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX				

(Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE NUMBER 301-843-4439

DATE 08-07-23

YEAR MO DAY

OUTFALL 001 POND D2

001 B

DISCHARGE NUMBER

Completing this form.

AREA CODE NUMBER	YEAR	MO	DAY
Forms by WindowCrash(7C718CA-0845 n/n11050.v5 01.41.00)			

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

002 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 08 04 01 TO 08 06 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
PH	SAMPLE MEASUREMENT	****	****	****	7.7	****	7.8	SU	0	2/91	GRAB	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	13.5	16.0	MG/L	0	2/91	GRAB	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	1650.0	1800.0	MG/L	0	2/91	GRAB	
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	0.004	0.006	MG/L	0	2/91	GRAB	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	0.435	0.690	MG/L	0	2/91	GRAB	
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/91	GRAB	
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/91	GRAB	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSONNEL PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.							TELEPHONE		DATE	
JAMES P. GARLICK									301-843-4439		08-07-23	
Senior Vice President, Operations												
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE NUMBER		YEAR MO DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS No discharge during April												

(Reference all attachments here)

Forms by WindowChem:7073864-0845 p/n11050.v5 01/4/166

PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

002 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 08 04 01 TO 08 06 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	0.0265	0.0280	MG/L	0	2/91	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	24527	581000	GPD	****	****	****	****	0	4/91	MEAS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****	****		ONCE/MONTH	MEAS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

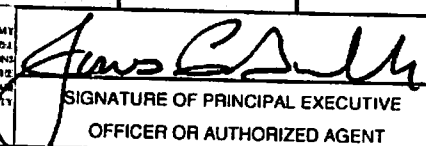
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

JAMES P. GARLICK

Senior Vice President, Operations

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY SUPERVISION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY KNOWLEDGE OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION IN THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.



SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

301-843-4439

AREA CODE NUMBER

DATE

08-07-23

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

No discharge during April

(Reference all attachments here)

Forms by WindowChem:707364-C045: pnt11090.v5 01.4/1/96

PERMITTEE NAME/ADDRESS
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MDO054836
PERMIT NUMBER
004 B
DISCHARGE NUMBER

MINOR
(SUBP03)
F - FINAL
OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 04 01 TO 08 06 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		****	****	****	6.8	****	7.6	SU	0	3/91	GRAB
00400 1 0 0		****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		****	****	****	MINIMUM	MAXIMUM					
SOLIDS, TOTAL		****	****	****	<5		<5				
SUSPENDED		****	****	****							
00530 1 0 0		****	****	****							
EFFLUENT GROSS VALUE		****	****	****							
HARDNESS		****	****	****							
(AS CaCO3)		****	****	****							
00900 1 0 0		****	****	****							
EFFLUENT GROSS VALUE		****	****	****							
COPPER, TOTAL		****	****	****							
(AS CU)		****	****	****							
01042 1 0 0		****	****	****							
EFFLUENT GROSS VALUE		****	****	****							
IRON, TOTAL		****	****	****							
(AS FE)		****	****	****							
01045 1 0 0		****	****	****							
EFFLUENT GROSS VALUE		****	****	****							
LEAD, TOTAL		****	****	****							
(AS PB)		****	****	****							
01051 1 0 0		****	****	****							
EFFLUENT GROSS VALUE		****	****	****							
ZINC, TOTAL		****	****	****							
(AS ZN)		****	****	****							
01092 1 0 0		****	****	****							
EFFLUENT GROSS VALUE		****	****	****							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		****	****	****							
JAMES P. GARLICK		****	****	****							
Senior Vice President, Operations		****	****	****							
TYPED OR PRINTED		****	****	****							
COMMENT AND EXPLANATION OF ANY VIOLATIONS		****	****	****							
** Average includes values below detection limit.		****	****	****							
No discharge during April		****	****	****							
(Reference all attachments here)		****	****	****							
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		****	****	****							
301-843-4439		****	****	****							
AREA CODE NUMBER		****	****	****							
YEAR MO DAY		****	****	****							
08-07-23		****	****	****							

AQUASCO MD 20608

MD0054836
PERMIT NUMBER

004 B
DISCHARGE NUMBER

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD							
FROM	08	04	01	TO	08	06	30

NO DISCHARGE

NOTE: Read instructions before completing this form

(Reference all attachments here)
No discharge during April

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 04 01 TO 08 06 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	MEASUREMENT	****	****	****	7.2	****	8.3	SU	0	3/91	GRAB
00400 1 0 0	PERMIT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT	****	****	****	MINIMUM	****	MAXIMUM				
SOLIDS, TOTAL	SAMPLE	****	****	****	6.3	****	7.0	MGL	0	2/91	GRAB
SUSPENDED	PERMIT	****	****	****	35	****	70	(19) MGL	0	ONCE/MONTH	GRAB
00530 1 0 0	REQUIREMENT	****	****	****	QUART AV	****	DAILY MX				
EFFLUENT GROSS VALUE	SAMPLE	****	****	****	350.0	****	430.0	MGL	0	2/91	GRAB
HARDNESS	PERMIT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
(AS CACO3)	REQUIREMENT	****	****	****	0.002	****	0.003	MGL	0	2/91	GRAB
00900 1 0 0	MEASUREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE	****	****	****	0.305	****	0.490	MGL	0	2/91	GRAB
COPPER, TOTAL	PERMIT	****	****	****	3.5	****	7.0	(19) MGL	0	ONCE/MONTH	GRAB
(AS CU)	REQUIREMENT	****	****	****	QUART AV	****	DAILY MX	MGL	0	2/91	GRAB
01042 1 0 0	SAMPLE	****	****	****	<0.002	****	<0.002	MGL	0	2/91	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
IRON, TOTAL	MEASUREMENT	****	****	****	<0.02	****	<0.02	MGL	0	2/91	GRAB
(AS FE)	REQUIREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01045 1 0 0	SAMPLE	****	****	****	3.5	****	7.0	(19) MGL	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	QUART AV	****	DAILY MX	MGL	0	2/91	GRAB
LEAD, TOTAL	MEASUREMENT	****	****	****	<0.002	****	<0.002	MGL	0	2/91	GRAB
(AS PB)	REQUIREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01051 1 0 0	SAMPLE	****	****	****	<0.02	****	<0.02	MGL	0	2/91	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
ZINC, TOTAL	MEASUREMENT	****	****	****	<0.02	****	<0.02	MGL	0	2/91	GRAB
(AS ZN)	REQUIREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
01092 1 0 0	SAMPLE	****	****	****	<0.02	****	<0.02	MGL	0	2/91	GRAB
EFFLUENT GROSS VALUE	PERMIT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	REQUIREMENT	****	****	****	REPORT	****	DAILY MX	(19) MGL	0	ONCE/MONTH	GRAB
JAMES P. GARLICK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
** Average includes values below detection limit.											
No discharge during April											
(Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
301-843-4439											
TELEPHONE											
08-07-23											
DATE											
ARFA CODE NUMBER											
YEAR, MO, DAY											

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MO
MD0054836
PERMIT NUMBER

006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD				
FROM	08	04	01	TO 08 06 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

[illegible]

MIRANT MD ASH MANAGEMENT, LLC
 Box 10
 AQUASCO MD 20608

PERMIT NUMBER: MD0054836
 MONITORING PERIOD:
 FROM 4/1/2008 TO 6/30/2008

BRANDYWINE ASH STORAGE SITE

GROUNDWATER

2 nd QUARTER 2008

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.4	3.9	4.3	6	4	6.2
TEMPERATURE (C)	12	11	10	11	11	12
DISSOLVED ALUMINUM	2.6	8.1	7.5	0.18	36	<0.1
DISSOLVED CADMIUM	0.048	0.0047	0.0021	<0.0005	0.0064	0.00087
DISSOLVED COPPER	0.0028	0.0039	0.0028	<0.002	<0.002	<0.002
DISSOLVED IRON	<0.1	<0.1	1.3	30	180	16
DISSOLVED LEAD	<0.002	0.0021	0.0039	<0.002	0.0062	<0.002
DISSOLVED MANGANESE	2.1	1.2	0.52	0.82	2.2	2.1
DISSOLVED NICKEL	0.17	0.071	0.066	<0.02	<0.2	0.038
DISSOLVED SILVER	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHLORIDE	64	55	160	100	570	140
SULFATE	1600	1000	1600	410	1600	1100
TOTAL DISS. SOLIDS	1800	1100	2100	750	3000	1600

Units mg/l unless otherwise indicated
 < Less than

MIRANT MD ASH MANAGEMENT, LLC
Box 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 4/1/2008 TO 6/30/2008

BRANDYWINE ASH STORAGE SITE SURFACE WATER 2 nd QUARTER 2008

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	6.6	7	7.1
TOTAL HARDNESS	94	92	93
TEMPERATURE (C)	12	12	12
SPECIFIC COND. (us)	361	408	390
TOTAL CADMIUM	<0.0005	<0.0005	<0.0005
TOTAL COPPER	<0.002	<0.002	<0.002
TOTAL IRON	2.1	2	1.7
TOTAL LEAD	<0.002	0.0023	<0.002
TOTAL ZINC	0.021	<0.02	<0.02
CHLORIDE	28	48	46
SULFATE	130	50	88

Units mg/l unless otherwise indicated
< less than

Mirant Chalk Point, LLC
25100 Chalk Point Road
Aquasco, MD 20608
T 301-843-4121 F 301-843-4281 U
www.mirant.com



July 26, 2008

CERTIFIED MAIL
7007 0710 0005 4556 6919
Return Receipt Requested

Mr. Thomas C. Boone
Director, Compliance Program
Maryland Department of the Environment
Water Management Administration
1800 Washington Blvd.
Baltimore, MD 21230-1708

Re: Discharge Monitoring Report
Mirant MD Ash Management, LLC
State Discharge Permit Number: 02-DP-1389

Dear Mr. Boone:

Enclosed is the Brandywine Ash Storage Site's Discharge Monitoring Report for the 2nd Quarter, 2008. The report was reviewed and signed by our Senior Vice President of Operations, Mr. James P. Garlick.

Also attached, per Special Conditions Q&R, are data reports for groundwater and surface water.

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

Sincerely,

T. W. Klares
Environmental Analyst

Enclosures (10)

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 | 07 | 01 TO 08 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH		****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.				TELEPHONE		DATE			
JAMES P. GARLICK						301-843-4439		08-10-24			
Vice President, Operations						AREA CODE NUMBER		YEAR MO DAY			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									
COMMENT AND EXPLANATION OF ANY VIOLATIONS		(Reference all attachments here)									

Form by WindowChem (707)864-0845 ph11060;v5 01,4/1/06

PERMITTEE NAME/ADDRESS:

NAME: RANT MD ASH MANAGEMENT, LLC

ADDRESS: 100 CHALK POINT RD.

AQUASCO MD 20608

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCH. MDD0054836
PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD
FROM 08 | 07 | 01 TO 08 | 09 | 30

MINOR (SUBR03)
F - FINAL
OUTFALL 001 POND D2

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SELENIUM, TOTAL (AS SE)	PERMIT REQUIREMENT	****	****	****	****	****	****			
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	****	****	****	****	****	****			
	SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	****	REPORT		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MX	(07) GPD	****	****	****			
	SAMPLE MEASUREMENT								ONCE/MONTH	MEAS
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER										
JAMES P. GARLICK										
Vice President, Operations										
TYPED OR PRINTED										
COMMENT AND EXPLANATION OF ANY VIOLATIONS										
(Reference all attachments here)										
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
TELEPHONE										
DATE										
YEAR MO DAY										

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 | 07 | 01 TO 08 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
HARDNESS (AS CACO3)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.					TELEPHONE		DATE		
Vice President, Operations							301-843-4439		08-10-24		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE NUMBER		YEAR MO DAY		
COMMENT AND EXPLANATION OF ANY VIOLATIONS											

(Reference all attachments here)

Form by WindowChart 707984-0945 p.11 1000 v5 01 4/1/96

PERMITTEE NAME/ADDRESS
YANT MD ASH MANAGEMENT, LLC
ADDRESS: 23100 CHALK POINT RD.
AQUASCO MD 20608

DISCH. : MONITORING REPORT (DMR)
MID0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL

OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 | 07 | 01 TO 08 | 09 | 30

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SELENIUM, TOTAL (AS SE) 01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****			
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	REPORT		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	****	****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUART AV	REPORT DAILY MAX	(07) GPD	****	****	****		ONCE/ MONTH	MEAS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER										
JAMES P. GARLICK										
Vice President, Operations										
TYPED OR PRINTED										
COMMENT AND EXPLANATION OF ANY VIOLATIONS										

(Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

AREA CODE NUMBER
301-843-4439

TELEPHONE
DATE

08-10-24

YEAR MO DAY
08-10-24

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

004 B

DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD

FROM 08 | 07 | 01 TO 08 | 09 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.3	****	8.2	SU	0	2/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM				
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	4.7	7.0	MG/L	0	2/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35	70	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE						QUART AV	DAILY MX				
HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	****	1300.0	MG/L	0	2/92	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	0.0022	MG/L	0	2/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	<0.005	<0.005	MG/L	0	2/92	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE						QUART AV	DAILY MX				
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	0.0021	MG/L	0	2/92	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	<0.02	MG/L	0	2/92	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19)		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE	
JAMES P. GARLICK									301-843-4439	08-10-24	
Vice President, Operations											
TYPED OR PRINTED							AREA CODE NUMBER		YEAR MO DAY		
COMMENT AND EXPLANATION OF ANY VIOLATIONS Flows in Aug and Sept											

(Reference all attachments here)

Form by WinflowChem 707264-0845 ph11090.v5 01 4/1/96

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 25100 CHALK POINT RD.
 AQUASCO MD 20608

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MD0054836
 PERMIT NUMBER

006 B
 DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD
 FROM 08 | 07 | 01 TO 08 | 09 | 30

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
PH	SAMPLE MEASUREMENT	****	****	****	7.4	****	7.4	SU	0	1/92	GRAB	
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0	****	9.0	(12) SU		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM					
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	<5	<5	MG/L	0	1/92	GRAB	
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35	70	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE						QUART AV	DAILY MX					
HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	****	820.0	MG/L	0	1/92	GRAB	
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE												
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	0.0026	MG/L	0	1/92	GRAB	
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE												
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	0.077	0.077	MG/L	0	1/92	GRAB	
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5	7.0	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE						QUART AV	DAILY MX					
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	<0.002	MG/L	0	1/92	GRAB	
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE												
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	<0.02	MG/L	0	1/92	GRAB	
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE												
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.					TELEPHONE		DATE			
JAMES P. GARLICK							301-843-4439		08-10-24			
Vice President, Operations												
TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS
 Flows in Aug only

(Reference all attachments here)

Forms by WindowChart (707)964-0845, p.11/000, v.6 01.4/1/06

PERMITTEE NAME/ADDRESS:
INT MD ASH MANAGEMENT, LLC
ADDRESS: 25100 CHALK POINT RD.
AQUASCO MD 20608

DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
006 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 07 01 TO 08 09 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	SAMPLE MEASUREMENT	****	****	****	****	****	0.0093	MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT	9511	358333	GPD	****	****	****	****	0	3/92	MEAS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT QUARTAY	REPORT DAILY MAX	(07) GPD	****	****	****	****	0	ONCE/MONTH	MEAS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK											
Vice President, Operations											
TYPED OR PRINTED											

COMMENT AND EXPLANATION OF ANY VIOLATIONS
Flows in Aug only

(Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE
301-843-4439

DATE
08-10-24

AREA CODE NUMBER
YEAR, MO, DAY

MIRANT MD ASH MANAGEMENT, LLC
BOX 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 7/1/2008 TO 9/30/2008

BRANDYWINE ASH STORAGE SITE SURFACE WATER 3 rd QUARTER 2008

PARAMETER	S-1	S-2	S-3
PH (STD UNITS)	6.7	7.4	7.4
TEMPERATURE (C)	25.1	22.9	26.1
SPECIFIC COND. (uS)	208	493	455
TOTAL HARDNESS	59	110	100
TOTAL CADMIUM	<0.0005	<0.0005	<0.0005
TOTAL COPPER	<0.002	<0.002	<0.002
TOTAL IRON	3.8	2.3	2.4
TOTAL LEAD	<0.002	<0.002	<0.002
TOTAL ZINC	<0.005	<0.005	<0.005
CHLORIDE	15	63	58
SULFATE	54	60	89

MIRANT MD ASH MANAGEMENT, LLC
 Box 10
 AQUASCO MD 20608

PERMIT NUMBER: MD0054836
 MONITORING PERIOD:
 FROM 7/1/2008 TO 9/30/2008

BRANDYWINE ASH STORAGE SITE

GROUNDWATER

3 rd QUARTER 2008

PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.5	3.8	4.1	5.8	3.9	6.3
TEMPERATURE (C)	15.7	15.4	17	20.3	19.1	16.8
WATER LEVELS (FT)	153.28	157.64	195.76	175.96	187.69	135.77
DISSOLVED ALUMINUM	2.5	7.9	9.4	0.17	11	<0.025
DISSOLVED CADMIUM	0.049	0.0041	0.0025	<0.0005	0.0012	<0.0005
DISSOLVED COPPER	<0.002	0.0048	0.0033	<0.002	<0.002	<0.002
DISSOLVED IRON	0.032	0.060	2.9	28	73	8.2
DISSOLVED LEAD	<0.002	<0.002	0.002	0.0051	0.0031	<0.002
DISSOLVED MANGANESE	2.2	1.2	0.59	0.74	1.0	1.6
DISSOLVED NICKEL	0.18	0.076	0.079	0.015	0.072	0.032
DISSOLVED SILVER	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
CHLORIDE	62	43	150	94	300	100
SULFATE	1600	970	2000	420	980	720
TOTAL DISS. SOLIDS	1800	1100	2100	820	2000	1200

PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 8301 Professional Place
Suite 230
Landover, MD 20785

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

001 B
DISCHARGE NUMBER

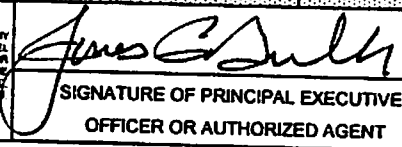
MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 | 10 | 01 TO 08 | 12 | 31

NO DISCHARGE ☒

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	****	****	****			
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.								TELEPHONE	DATE
JAMES P. GARLICK Senior Vice President, Operations TYPED OR PRINTED										 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
COMMENT AND EXPLANATION OF ANY VIOLATIONS										AREA CODE NUMBER	YEAR MO DAY

(Reference all attachments here)

Form by WindowChem 707384-0845.ph 11/090.v6 01/41/05

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 8301 Professional Place
Suite 230
Landover, MD 20785
FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
001 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 001 POND D2

MONITORING PERIOD
FROM 08 10 01 TO 08 12 31

NO DISCHARGE ☒

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	****	****	****			
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	NO DISC	NO DISC	****	****	REPORT	REPORT	(19) MG/L		ONCE/ MONTH	GRAB
	PERMIT REQUIREMENT	REPORT QUARTLY	REPORT DAILY MAX	(07) GPD	****	****	****	****		ONCE/ MONTH	MEAS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
(Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
TELEPHONE											
301-955-9051											
DATE											
09-01-22											
AREA CODE NUMBER											
YEAR AND DAY											

PERMITTEE NAME/ADDRESS:

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 8301 Professional Place
Suite 230
Landover, MD 20785

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836
PERMIT NUMBER

002 B
DISCHARGE NUMBER

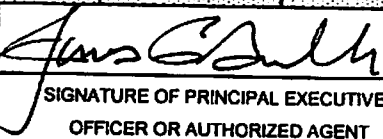
MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

MONITORING PERIOD
FROM 08 | 10 | 01 TO 08 | 12 | 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
PH	SAMPLE MEASUREMENT	****	****	****	7.2	****	7.2	SU	0	1/92	GRAB
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	14.0	14.0	MG/L	0	1/92	GRAB
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	2200.0	2200.0	MG/L	0	1/92	GRAB
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	0.002	0.002	MG/L	0	1/92	GRAB
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	0.230	0.230	MG/L	0	1/92	GRAB
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	1/92	GRAB
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	0.026	0.026	MG/L	0	1/92	GRAB
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE		DATE	
JAMES P. GARLICK Senior Vice President, Operations TYPED OR PRINTED								301-955-9051		09-01-22	
COMMENT AND EXPLANATION OF ANY VIOLATIONS		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 						AREA CODE NUMBER		YEAR MO DAY	
Flows in Dec only											

(Reference all attachments here)

Forms by WindowChem (707) 964-0945 ph 11090 v5 01/4/96

PERMITTEE NAME/ADDRESS:
NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 8301 Professional Place
Suite 230
Landover, MD 20785

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MD0054836
PERMIT NUMBER
002 B
DISCHARGE NUMBER

MINOR
(SUBR03)
F - FINAL
OUTFALL 002 POND D1

MONITORING PERIOD
FROM 08 10 01 TO 08 12 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
SELENIUM, TOTAL (AS SE) 01147 1 0 0	PERMIT REQUIREMENT	****	****	****	****	0.0130	0.0130	MG/L	0	1/92	GRAB
EFFLUENT GROSS VALUE THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	REPORT	(19) MG/L	0	ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT	12391	570000	GPD	****	****	****	****	0	2/92	MEAS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	(07) GPD	****	****	****	****	0	ONCE/MONTH	MEAS
	SAMPLE MEASUREMENT	REPORT QUARTAV	REPORT DAILY MX								
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER											
JAMES P. GARLICK											
Senior Vice President, Operations											
TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
Flows in Dec only											
(Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
TELEPHONE											
DATE											
AREA CODE NUMBER											
YEAR MO DAY											

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 8301 Professional Place
 Suite 230
 Landover, MD 20785

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

004 B

DISCHARGE NUMBER

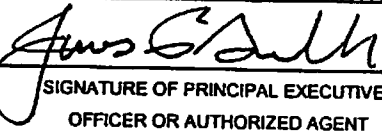
MINOR
 (SUBR03)
 F - FINAL
 OUTFALL 004 POND B

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD							
FROM	08	10	01	TO	08	12	31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
PH	SAMPLE MEASUREMENT	****	****	****	6.8	****	7.1	SU	0	2/92	GRAB	
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	11.0	19.0	MG/L	0	2/92	GRAB	
SOLIDS, TOTAL	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
SUSPENDED	SAMPLE MEASUREMENT	****	****	****	****	1550.0	1600.0	MG/L	0	2/92	GRAB	
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/92	GRAB	
HARDNESS	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
(AS CACO3)	SAMPLE MEASUREMENT	****	****	****	****	** 0.126	0.250	MG/L	0	2/92	GRAB	
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/92	GRAB	
COPPER, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
(AS CU)	SAMPLE MEASUREMENT	****	****	****	****	** 0.042	0.074	MG/L	0	2/92	GRAB	
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	** 0.126	0.250	MG/L	0	2/92	GRAB	
IRON, TOTAL	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
(AS FE)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/92	GRAB	
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	** 0.042	0.074	MG/L	0	2/92	GRAB	
LEAD, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
(AS PB)	SAMPLE MEASUREMENT	****	****	****	****	** 0.042	0.074	MG/L	0	2/92	GRAB	
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	** 0.042	0.074	MG/L	0	2/92	GRAB	
ZINC, TOTAL	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
(AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	** 0.042	0.074	MG/L	0	2/92	GRAB	
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	****	****	****	****	** 0.042	0.074	MG/L	0	2/92	GRAB	
NAME / TITLE	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.											
JAMES P. GARLICK									TELEPHONE		DATE	
Senior Vice President, Operations									301-955-9051		09-01-22	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

** Average includes values below detection limit.

Flows in Nov and Dec

Forms by WindowChem (707) 964-0845, ph 11090, v5 01.41/96

NAME: MIRANT MD ASH MANAGEMENT, LLC
ADDRESS: 8301 Professional Place

Professional Place
Suite 230
Landover, MD 20785

FACILITY: BRANDYWINE ASH STORAGE SITE
LOCATION: BRANDYWINE MD

DISCHAF
MD0054836
PERMIT NUMBE

REPORT (DMR)
004 B
DISCHARGE NUMBERS

MINOR
(SUBR03)
F - FINAL
OUTFALL

OUTFALL 004 POND B

MONITORING PERIOD									
FROM	08	10	01	TO	08	12	31		

NO DISCHARGE

NOTE: Read instructions before completing this form

[illegible] COMMENT AND EXPLANATION OF ANY VIOLATIONS ** Average includes values below detection limit |

Flows in Nov and Dec

(Reference all attachments here)

AREA CODE NUMBER	YEAR	MO	DAY
Forms by WindowChrom 707.964-0845 ph11090 v5.01 4/7/2004			

PERMITTEE NAME/ADDRESS

NAME: MIRANT MD ASH MANAGEMENT, LLC
 ADDRESS: 8301 Professional Place
 Suite 230
 Landover, MD 20785

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0054836

PERMIT NUMBER

006 B

DISCHARGE NUMBER

MINOR
 (SUBR03)
 F - FINAL

OUTFALL 006 POND A2

FACILITY: BRANDYWINE ASH STORAGE SITE
 LOCATION: BRANDYWINE MD

MONITORING PERIOD

FROM 08 | 10 | 01 TO 08 | 12 | 31

NO DISCHARGE ☐

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT				
PH	SAMPLE MEASUREMENT	****	****	****	6.5	****	7.5	SU	0	2/92	GRAB	
00400 1 0 0	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 MAXIMUM	(12) SU		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	****	****	** 5	7.5	MG/L	0	2/92	GRAB	
00530 1 0 0	PERMIT REQUIREMENT	****	****	****	****	35 QUART AV	70 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE HARDNESS (AS CaCO3)	SAMPLE MEASUREMENT	****	****	****	****	220	220	MG/L	0	2/92	GRAB	
00900 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/92	GRAB	
01042 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	****	****	0.20	0.20	MG/L	0	2/92	GRAB	
01045 1 0 0	PERMIT REQUIREMENT	****	****	****	****	3.5 QUART AV	7.0 DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	****	****	<0.002	<0.002	MG/L	0	2/92	GRAB	
01051 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	****	****	<0.02	<0.02	MG/L	0	2/92	GRAB	
01092 1 0 0	PERMIT REQUIREMENT	****	****	****	****	REPORT	DAILY MX	(19) MG/L		ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE												
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
JAMES P. GARLICK							301-955-9051		09-01-22			
Senior Vice President, Operations							AREA CODE NUMBER		YEAR MO DAY			
TYPED OR PRINTED												
COMMENT AND EXPLANATION OF ANY VIOLATIONS												
** Average includes values below detection limit. Flows in Oct and Dec												

(Reference all attachments here)

Forms by WindowChart (707)964-0845, ph11090, v5 01,4/1/98

PAGE 1 OF 1

MIRANT MD ASH MANAGEMENT, LLC
Box 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 10/1/2008 TO 12/31/2008

BRANDYWINE ASH STORAGE SITE	GROUNDWATER					
	4 th QUARTER					
	2008					
PARAMETER	B-10	B-11	B-12	B-13	B-14	B-3
PH (STD UNITS)	4.5	3.8	4.5	5.7	3.8	6.0
TEMPERATURE (C)	14.8	16.2	16.7	27.0	17.7	16.0
WATER LEVELS (FT)	153.17	157.53	196.10	176.06	187.04	135.13
DISSOLVED ALUMINUM	2.6	9.6	6.9	0.088	17	<0.025
DISSOLVED CADMIUM	0.052	0.0054	0.0017	<0.0005	0.0026	<0.0005
DISSOLVED COPPER	0.0036	0.0058	0.0022	<0.002	0.0029	<0.002
DISSOLVED IRON	<0.10	<0.10	1.7	29	130	7.2
DISSOLVED LEAD	<0.002	<0.002	<0.002	<0.002	0.0050	<0.002
DISSOLVED MANGANESE	2.2	1.3	0.51	0.80	1.3	1.6
DISSOLVED NICKEL	0.18	0.083	0.066	<0.01	0.028	0.032
DISSOLVED SILVER	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
CHLORIDE	68	65	160	140	520	110
SULFATE	1200	850	1600	52	800	670
TOTAL DISS. SOLIDS	1900	1300	2800	990	2600	1300

Metals measured in Mg/l

MIRANT MD ASH MANAGEMENT, LLC
BOX 10
AQUASCO MD 20608

PERMIT NUMBER: MD0054836
MONITORING PERIOD:
FROM 10/1/2008 TO 12/31/2008

4 th QUARTER 2008

PARAMETER	SURFACE WATER		
	S-1	S-2	S-3
PH (STD UNITS)	6.4	6.7	7.3
TEMPERATURE (C)	18.6	17.2	18.7
SPECIFIC COND. (us)	280	930	880
TOTAL HARDNESS	65	190	180
TOTAL CADMIUM	<0.0005	<0.0005	<0.0005
TOTAL COPPER	<0.002	<0.002	<0.002
TOTAL IRON	2.8	0.68	0.66
TOTAL LEAD	<0.002	<0.002	<0.002
TOTAL ZINC	0.0063	<0.005	0.019
CHLORIDE	28	96	98
SULFATE	38	170	170

Metals measured in Mg/l



Mirant MD. Ash Management, LLC
8301 Professional Place, Landover, MD. 20785
T 301-955-9051 F 301-955-9074



M I R A N T

Mr. Thomas Boone
Director, Compliance Program
Maryland Department of the Environment
Water Management Administration
1800 Washington Blvd.
Baltimore, MD 21230

January 28, 2009

Re: Faulkner Ash Site Fourth Quarter 2008 Discharge Monitoring Report
Brandywine Ash Site Fourth Quarter Discharge Monitoring Report

Dear Mr. Boone,

Enclosed please find the Quarterly NPDES Discharge Monitoring Report for both the Faulkner Ash Site (Permit Number MD0056928) and the Brandywine Ash Site (MD0054836.)

If you need additional information regarding these reports, please contact Ms. Ann Wearmouth at 301-955-9028 or me at 301-955-9051.

Sincerely,

Elizabeth A. Spitzer
Environmental Analyst
Mirant Services

Enclosures

ATTACHMENT D

Maryland Department of the Environment
Review of Mirant-Brandywine

Mirant Brandywine Ash Site - Friday, August 8, 2008

The 300 acre Brandywine Ash site is located at 11700 North Keys Road in Southern Prince George's County, Maryland, West of the Patuxent River and East of Route #301. (See map, Exhibit A) The approximate coordinates of the site are 76° 47' 58" West Longitude and 38° 41' 57" North Latitude. ADC Map coordinates for Prince George's County are 33-D11. The site serves as a disposal or landfill area for CCB's generated at the Chalk Point Generating Facility located in Prince George's County, Maryland. The site consists of separate landfill areas designated as Areas A, B, C, D, and E. A series of eight(8) Monitoring Wells, D1 – D8, surround the landfill. In addition to the Landfill Areas and the Monitoring Wells there are four(4) treatment Ponds numbered 001, 002, 004, and 006 for the management of storm water and leachate. Mataponi Creek borders the property on the North West edge of the site. Its flow is northeast and is a tributary to the Patuxent River. A forest buffer is located between the fill site and the Creek. The property to the South includes an active gravel mine operation. The property to the east is used for agriculture purposes. Two(2) small tributaries of Mataponi Creek border the East and West edges of the property

Permit Verification

The Mirant Brandywine Ash Site permit number 02-DP-1389, MD0065836 became effective September 1, 2005. It does not expire until August 31, 2010. (Exhibit B)

Monitoring and Reports

The Discharge Permit requires the Brandywine Ash site to monitor monthly and submit a quarterly discharge report for each treatment Pond. In addition, to the Discharge Permit, the site is required to collect water samples and report their findings at each of the six(6) monitoring wells and three(3) surface water locations along bordering Mataponi Creek. The results of Well Monitoring from 2003 – 2008 are included. (Exhibit C)

Current Site Conditions

I spoke with Pat Miglio, Environmental Manager for the Westland Site. Mr. Miglio informed me only Area A is active. Area A contains a PVC geomembrane liner with a permeability of 10^{-06} cm/sec. Its collection system is sloped in the direction of Pond A2 located on the easterly edge of the property for treatment. Areas B, C, D, and E are inactive. They have been covered with two feet of soil, seeded and stabilized. The site was constructed in 1970 when a former gravel mine went out of operation. Beginning in 1980, Cells were constructed with leachate collection systems. Surface and groundwater monitoring has been taken place since 1981. Currently there are six(6) groundwater monitoring Wells B3, B10, B11, B12, B13, and B14. Monitoring Wells B1, B2, B4, B6, B7, and B8 are no longer active.

Pond Monitoring

The discharge of Ponds D2, D1, B, and A2 are monitored at Outfalls 001, 002, 004 and 006 respectfully. Grab samples are located at outlet pipe of each pond. Monitoring is required monthly and reported quarterly when ponds are discharging. In addition to flow and pH, the following effluent characteristics are monitored:

TSS, Total Iron, Total Copper, Total Lead, Total Selenium, Total Zinc, and Total Hardness.(CaCO₃) Only pH, TSS and Total Iron are limited. Their Permit limits are:

	<u>Quarterly Average</u>	<u>Daily Maximum</u>
Total Suspended Solids	35 mg/L	70 mg/L
Total Iron	3.5 mg/L	7.0 mg/L
pH	Min 6.0	Max. 9.0

An examination of Discharge Monitoring Reports from 2003 – 2008, revealed that discharges from the four(4) ponds(D2, D1, B, and A2) have been intermittent. Below is a record of the discharge and the corresponding outfall. Violations of any discharge are included.

<u>Year</u>	<u>Quarter</u>	<u>Outfall</u>	<u>Violation</u>	<u>Concentration (mg/L)</u>
2008	1 st	002,004,006		
2007	2 nd	002,004,006		
	3 rd	004,006		
	4 th	002,004,006		
2006	1 st	002,004,006		
	2 nd	002,004,006	TSS	70(35/70)
	3 rd	004,006,		
	4 th	002,004,006		
2005	1 st	002,004,006		
	2 nd	002,004,006		
	3 rd	No data on file		
	4 th	002,004,006		
2004	1 st	002,004		
	2 nd	002,004		
	3 rd	002,004,006		
	4 th	002,004		
2003	1 st	002,004,006		
	2 nd	002,004,006		
	3 rd	002,004,006		
	4 th	002,004,006		

With the exception of Iron, any of the other Effluent Characteristics monitored at the time of these discharges were below the EPA recognized Primary and/or Secondary Water Standards.

Ground Water Monitoring

The following ground water parameters are monitored quarterly and reported per General Condition II.A.2 of the Permit. Prior to sampling, the level of each Well is measured and recorded. In addition, a volume equal to 150 % of the wetted volume of the well is first removed:

Dissolved Aluminum, Dissolved Cadmium, Dissolved Manganese, Dissolved Copper, Total Dissolved Solids, Dissolved Iron, Dissolved Lead, Dissolved Silver, Dissolved Nickel, pH, Chloride, and Sulfate

The quarterly monitoring results for each well from 2003 - 2008 are included with this report.(Exhibit C) Consistently high results are reported for Total Dissolved Solids, Sulfates, Manganese, Iron and Aluminum. A graphical representation of those results is displayed in Graphs 1 – 8.

All of the Wells with the exception of Well B13 reported levels of Total Dissolved Solids higher than Secondary Water Quality Standards.(500 mg/L) Similar results reported for Sulfates. The trend for Total Dissolved Solids and Sulfates appears to increase over time.

All of the Wells reported Manganese levels much higher than the Secondary Standards. Some as much as 50 – 60 times the Standard.

Well B10 reported Cadmium results exceeding 100 times the Primary Water Quality Standard.

Wells B3, B12, B13, and B14 reported consistently high results for Iron.

In most cases the results were acceptable for Chlorides and Copper.

The remaining well parameters could not be graphed due to the uncertainty of their reported values. Most were reported at levels lower than the Minimum Detection Limit for their method of analysis. The data for the remaining parameters is included in Exhibit C. Values greater than the Primary or Secondary Standards are highlighted.

Conclusion

Based on the location of the active disposal Area A, and the close approximation of Well B13, it may be likely that any recent activity has yet to effect the water quality of Well B13. However, the remaining wells surrounding the completed fill Areas B, C, D, and E show high levels exceeding many of the primary or secondary Water Quality Standards. Some as high as 50, 100 and even 600 times the MCL.(Example: Iron, Well B14, Graph 7) An examination of each monitored water quality parameter follows:

Total Dissolve Solids – With the exception of Well B13, all remaining wells reported high levels of TDS than the MCL of 500 mg/L. Wells B14, B12, and B10 were as much five times the MCL. It is worth noting that Well B14 reported the high levels only after

the second quarter of 2007. (I believe this coincides with the closing of Areas B, C, D, and E, and the opening of Area A. (See Graph 1)

Chlorides – Only Well B4 reported significant high levels of Chloride. (Two times the Standard. Again, it is worth noting that Well B14 reported the high levels only after the second quarter of 2007. (See Graph 2)

Sulfates – Wells B12, B14, B10, B11, and B3, reported high levels of Sulfates. Wells B12, B10 and B14 were as much as 6 -8 times the MCL of 250 mg/L. It is worth observing Wells B12 and B14 reported increasing values over time. (See Graph 3)

Cadmium – With the exception of Wells B10 and B12, none of the other well monitored showed levels exceeding the Primary Water Quality Standard for a MCL of .005 mg/L. What is worth observing is the high level approaching ten times the MCL in Well B10 and its close approximation to Surface Monitoring point S1. The waters of Mataponi Creek are monitored at points S1, S2, and S3, upstream to downstream respectfully. Elevated levels of Cadmium were reported with concentrations slightly higher upstream than downstream. (See Graph 4)

Manganese – All Wells reported high levels of Manganese exceeding the Secondary Water Quality MCL of .05 mg/L. Although declining over time, the concentration of Manganese for Well B10 exceeded the MCL by as much as fifty times. Concentrations for Wells B11 and B12 also appear to be declining. Only Well B14 showed an increasing trend for Manganese. (See Graph 5)

Iron – Wells B14, B13, B1, and B3 showed significant levels of Iron. Most levels were constant over time. Again, only Well B14 showed a significant increase since 2007. Well B14 reported levels exceeding the MCL of .3 mg/L. by as much as six hundred times. (See Graph 6)

Aluminum – Wells B14, B12, B11, and B10 reported significant levels of Aluminum. The concentrations for Well B10 and B11 remained stable since 2003. The concentrations for Well B12 were somewhat erratic. Well B14 again increased significantly since 2007 reaching as much as 100 – 150 times the MCL of .2 mg/L. (See graph 7)

Recommendations

Monitor arsenic and mercury. Presently there are no requirements for well monitoring for these two parameters.

The permittee should require their laboratory to report concentrations for Lead and all other monitored parameters at a level equal to the Minimum Contamination Level and/or Minimum Contamination Level Goals of the Primary and/or Secondary Drinking Water Standards. The same should apply to Copper monitoring also.

Copper and Lead are not normally present in ground water. Their presence may be an indication that they are included somewhere in the process and are reaching the groundwater. (Lead pipes, paint, batteries, etc.) During periods of pond discharges, monitoring shows the presence of lead and mercury. But again, the exact concentration is unknown due to the problem with Minimum Detection Limit.