

US EPA ARCHIVE DOCUMENT

COMPANY	Cardinal Operating Company	Cardinal Operating Company
PLANT	Cardinal	Cardinal
ASH MANAGEMENT UNIT	Bottom Ash Complex	Fly Ash Reservoir 2
QUESTION 1		
Dam Hazard Rating	Significant	High
Who Established Rating	Ohio DNR -- Div. of Water	Ohio DNR -- Div. of Water
Basis for Rating	Health Hazard	Health Hazard
No Rating Assigned	N/A	N/A
QUESTION 2		
Year Commissioned	1973	1987
Year(s) Expanded	N/A	Latest Modification completed 1999
QUESTION 3 - Mark all that apply		
Fly Ash		X
Bottom Ash	X	
Boiler Slag		
Flue Gas Emission Control Residuals		
Other (Specify)		
QUESTION 4		
Designed by P.E.	Not Available	Yes (Latest Modification)
Constructed under P.E. Supervision	Not Available	Yes
Inspection/monitoring under P.E. Supervision	Yes	Yes
QUESTION 5		
Date of Last Company Safety Assessment	11/5/2008	11/5/2008
Describe Evaluator's Credentials	OH P.E.	OH P.E.
Describe Past Followup Corrective Actions	Routine maintenance	Routine maintenance
Describe Credentials of Corrective Action Implementers	Under plant supervision	Under plant supervision
Describe Planned Followup Actions	Stability evaluation, routine maintenance	Routine maintenance
Date of Next Safety Assessment	2010	2009
QUESTION 6		
Date of Last Regulatory Safety Inspection	2/20/2009 (Report not yet received)	2/20/2009 (Report not yet received)
Agency Name	ODNR -- Div. of Water	ODNR -- Div. of Water
Date of Planned Regulatory Safety Inspection	2011-2012	2011-2012
Agency Name	ODNR -- Div. of Water	ODNR -- Div. of Water
Copy of Most Recent Regulatory Inspection Included	No (2009 rpt. not available, no previous rpts.)	Yes (from 11/16/2004, 2009 rpt. not available)
QUESTION 7		
Safety Issues from Regulatory Inspections w/in Past Year	None	None
Corrective Actions	N/A	N/A
Documentation Included	N/A	N/A
QUESTION 8		
Surface Area (acres)	31.8 acres - The bottom ash pond complex is a multi-pond system where other wastewaters are separately treated in contiguous cells. These pond complexes typically also include secondary (and in some cases tertiary) settling ponds for final "polishing" of effluent quality. The information provided is based on the entire impoundment as regulated under dam safety rules.	95.8 acres
Total Storage Capacity	350 acre-ft	11,350 acre-ft
Volume Currently Stored	Variable - ash is routinely removed for beneficial use	Unable to be determined in the time allotted to complete this survey
Date of Volume Measurement	N/A	N/A
Maximum Height (feet)	22	237
QUESTION 9		
Spills or Unpermitted Release History (10 Years)	No	Right abutment in 2004 -- Report included
QUESTION 10		
All legal owner(s) and operator(s)	Cardinal Operating Company, Ohio Power Company, Buckeye Power, Inc.	Cardinal Operating Company, Ohio Power Company, Buckeye Power, Inc.