

October 31, 1997

North Carolina DEHNR
Division of Solid Waste Management
Solid Waste Section
Interchange Building, 59 Woodfin Place
Asheville, North Carolina 28801

Attn: Mr. Jim Patterson
Waste Management Section

Re: Fly Ash Landfill Closure Plan
Cranston Printworks
Fletcher, Henderson County, North Carolina
POH Project 22946.0000

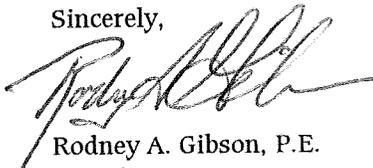
Dear Mr. Patterson:

Enclosed please find three sets of prints detailing the proposed Closure Plan for the Fly Ash Landfill owned and operated by Cranston Printworks in Fletcher, North Carolina. The plans were prepared in accordance with Section .1700, Requirements for Beneficial Use of Coal Combustion By-Products, Solid Waste Management Rules 15A NCAC 13B, As Amended Through January 1, 1997.

Also enclosed is a Narrative Statement which provides background information and a general description of the planned activities. We understand that approvals will be required from both the Solid Waste Section and the Land Quality Section. Therefore, we are concurrently submitting the same package to Mr. Richard Phillips.

Please call either Dr. Jane McLamarrah or myself at 864/242-1717 if you have any questions or comments.

Sincerely,



Rodney A. Gibson, P.E.
Associate

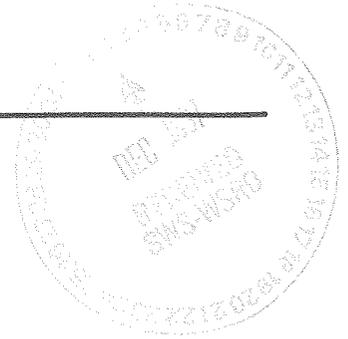
encl: 3 Sets Plans
Narrative Statement

cc: Mr. Don Greene, Cranston Printworks



Narrative Statement

**FLY ASH LANDFILL CLOSURE PLAN
CRANSTON PRINTWORKS
Fletcher, Henderson County, North Carolina**



BACKGROUND

Cranston Printworks Company, Fletcher Division, operates a manufacturing complex in Fletcher, Henderson County, North Carolina. The site is off US Route 25 (Dixie Highway) as shown on the attached USGS Quadrangle map.

The company operated two areas of their property as fly ash land disposal sites. Fly Ash Landfill Area 1 has been covered with soil and a vegetative cover established. Fly Ash Landfill Area 2 has not yet been covered. Both areas were unused earthen cells. Fly Ash Landfill Area 1 had been a holding basin. Fly Ash Landfill Area 2 had been two adjacent holding cells. Fly ash was deposited in each of the three earthen basins as fill material.

CURRENT CONDITIONS

Now that the three basins have been filled, Cranston Printworks intends to formally close the areas in accordance with Section .1700, Requirements for Beneficial Use of Coal Combustion By-Products, Solid Waste Management Rules 15A NCAC 13B, As Amended Through January 1, 1997.

Since each area was previously a basin, the general site grading around each fly ash landfill area diverts storm water away from the fly ash areas. Additionally, the general site grading incorporates protective berms along each of the creeks traversing the site. The flood berm along Cane Creek is a minimum of 4 feet in height. The berms along the smaller creeks (Cushion Branch, Branch Creek and the unnamed tributary to Cane Creek) are a minimum of 2 feet in height.

PROPOSED CONDITIONS

Cranston Printworks intends to close each fly ash landfill area in accordance with the plans prepared by Piedmont Olsen Hensley, A Geraghty & Miller Company, dated October 1997.

Borrow will be taken from the embankment area previously used as a bed for a railroad spur off of the Southern Railroad line which runs along US Route 25. No field survey was completed in the embankment area. The location and type of erosion control practice to be installed will be field determined. It is not anticipated that more than 1 acre of land will be disturbed during the borrow operations.

Fly Ash Landfill Area 1 has been covered and a vegetative cover established. A minimum of 6 test bores will be made to ensure that the installed cover meets the listed requirements. Any test bores which fail to meet the requirements will be remediated by installing additional compacted earth cover. The total area of Fly Ash Landfill Area 1 is approximately 0.52 acres. It is assumed that any remediation will involve a minimal acreage.

Fly Ash Landfill Area 2 is not yet covered. Compacted earth cover will be added as indicated on the plans. Even though all adjacent creeks are protected by existing berms and existing vegetative cover strips, silt fencing will also be installed as shown on the plans. A field determination will be made as to whether or not any additional silt fencing not already shown on the plans or any silt traps are needed. The total area of Fly Ash Landfill Area 2 is approximately 1.59 acres. Including land disturbance activity on adjacent transition areas raises the total disturbed area acreage to approximately 1.75 acres.

The total land disturbing activities associated with this project will be approximately 2.75 acres.

MAY 26 1998

Winston-Salem
Regional Office



North Carolina Department of Environment, Health, and Natural Resources

Nann B. Guthrie - Regional Manager
Interchange Building

59 Woodfin Place, Asheville, North Carolina 28801-2482

Phone: 704-251-6208 Fax: 704-251-6452

TO: Tim Jewett

FAX NUMBER: 910-771-4631

FROM: Jim Patterson

DATE: 5/26/98

Number of pages (including cover page) 2

COMMENTS: Letter re closure of Cimston

Printworks landfill

ARCADIS GERAGHTY & MILLER



Mr. Jim Patterson
 Waste Management Section
 North Carolina DEHNR
 Division of Solid Waste Management
 Interchange Building, 59 Woodfin Place
 Asheville, North Carolina 28801

ARCADIS Geraghty & Miller, Inc.
 420 Park Avenue
 Greenville
 South Carolina 29601
 Tel 864 242 1717
 Fax 864 295 9062

Subject:
 Fly Ash Landfill Closure
 Cranston Printworks
 Fletcher, Henderson County, North Carolina
 ARCADIS Geraghty & Miller Project No. G5022946.0000

WATER AND WASTE
 MANAGEMENT

Greenville, South Carolina,
 19 May 1998

Dear Mr. Patterson:

We hereby certify that the fly ash landfills designated as Area 1 and Area 2 in our October 31, 1997, Closure Plan submittal have now been closed. The closure was made in accordance with Section .1700, Requirements for Beneficial Use of Coal Combustion By-Products, Solid Waste Management Rules 15A NCAC 13B, As Amended Through January 1, 1997.

Contact:
 Rodney Gibson

Extension:
 864/241-5207

Please let us know if you have any questions or need any further information. Thank you for your assistance.

Sincerely,

ARCADIS Geraghty & Miller, Inc.

Rodney A. Gibson, P.E.
 Associate

Copies:
 Mr. Don Greene, Cranston Printworks



Rodney A. Gibson
 5/19/98