

CRANSTON PRINT WORKS COMPANY

FLETCHER DIVISION • FLETCHER, NORTH CAROLINA 28732 • TEL: 704-684-6411

NEW YORK OFFICE • 1412 BROADWAY, NEW YORK, N.Y. 10018 • TEL: 212-695-5110

December 18, 1981

Department of Human Resources
Solid and Hazardous Waste Management Branch
Environmental Health Section
P. O. Box 28047
306 North Wilmington Street
Raleigh, North Carolina 27611



Attention: Thomas C. Karnoski
Environmental Engineer

Dear Mr. Karnoski:

We are presently in the process of obtaining a landfill permit from your office to dispose of flyash in our unused on-site lagoons.

Referring to your correspondence to our Mr. Bill Parker on November 10, 1981, you have asked us to provide you with six (6) items of information before the permit is issued. This letter will hopefully serve that purpose. I will address each item as numbered in your letter of November 10.

1. The extraction procedure toxicity analysis and pH of the flyash were performed by Enwright Laboratories Inc., Greenville, S.C., and a copy of those tests is enclosed.
2. The plot plan of Cranston Print Works, Fletcher, N.C., including the (3) lagoon areas is enclosed.
3. Information on the lagoon area: Each lagoon was created by grading from the center of each plot to outside boundaries of that plot forming a wall. Each lagoon has on the average 5 feet of usable depth with 1 foot of freeboard (Please keep in mind however, that this entire depth cannot be utilized for flyash because of the material deposited in it over the past few years. This material was sampled by your office on October 13, 1981, in the presence of Keith Lawsan and Jim Moore.) Ash lagoon is approximately (1) one acre in size. Anticipated final grades and close out date to be determined jointly by your office and Cranston Print Works.



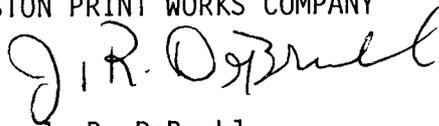
TEXTILE PRINTERS AND FINISHERS

4. Anticipated close out date at this point in time depending on the useful life of the lagoons.
5. Dependent on #4 above; however, I believe we could be receptive to a plan to seed with an appropriate grass or cover crop a closed out lagoon area.
6. A copy of the deed to the lagoon areas is enclosed.

To save you some time and effort I have enclosed also all the correspondence relevant to the issuance of this permit. If you have any questions, please contact me. We appreciate your time and prompt attention.

Yours truly,

CRANSTON PRINT WORKS COMPANY



J. R. DeBruhl
Environmentalist
Fletcher Division

JRDeB/dhv
Encls.

cc: R.Davis, Asheville Office
Vieweg
Parker
Grant
Gaffney
Reese
J.Wright
WT File



ENWRIGHT LABORATORIES, INC.

A subsidiary of ENWRIGHT ASSOCIATES, INC.

CLIENT: Cranston Print Works

DATE RECEIVED: 11/23/81

REPORTED: 12/11/81

Lab #	Sample ID	Arsenic µg/l	Selenium µg/l	Mercury µg/l	Cadmium	Chromium
7856	#1	26	26	<0.2	<0.01	<0.05
7857	#2	25	29	<0.2	<0.01	<0.05
7858	#3	27	27	<0.2	<0.01	<0.05
7859	#4	43	50	<0.2	<0.01	<0.05

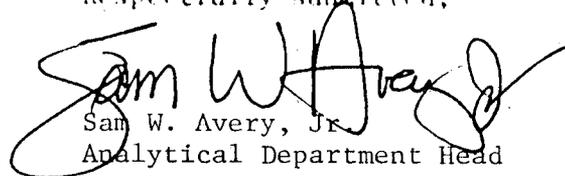
		Silver	Lead	Barium
7856	#1	<0.01	<0.1	1.2
7857	#2	<0.01	<0.1	2.9
7858	#3	<0.01	<0.1	3.1
7859	#4	<0.01	<0.1	1.2

ph 5.6 - 6.1

All results are reported in milligrams per liter unless otherwise specified.

Extraction procedure used is outlined on p. 33127-8 of the Federal Register dated Monday May 19, 1980.

Respectfully submitted,


 Sam W. Avery, Jr.
 Analytical Department Head

SWA/pw



STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
Division of Health Services

Ronald H. Levine, M.D., M.P.H.
~~XXXXXXXXXXXX~~
DIRECTOR

JAMES B. HUNT, JR.
GOVERNOR

SARAH T. MORROW, M.D., M.P.H.
SECRETARY

P. O. Box 2091

Raleigh 27602

November 10, 1981

Mr. Bill Parker
Cranston Print Works
Highway 25
Fletcher, NC 28732

Dear Mr. Parker:

On October 13, 1981, Keith Lawson and Jim Moore of this office collected samples from a sludge lagoon on your property. The chemical analysis (see enclosure) shows that it would be acceptable to leave the sludge in place and proceed with a close out procedure. Due to the potential sensitivity of the situation, because of past waste disposal practices by your facility, this office has decided to attempt to issue you a sanitary landfill permit. This permit would pertain solely to the disposal of flyash in your unused lagoons. Variances are being offered to you concerning the kinds of information we will require before the permit is issued.

Specifically, we request the following:

1. Extraction procedure toxicity analysis and pH of the flyash to be disposed.
2. Plot plan of lagoon area.
3. Cross sections or similar information of lagoon showing depth of fill and anticipated final grades.
4. Anticipated close out date.
5. Seeding schedule of closed out areas.
6. A metes and bounds description of property. A copy of a deed would be sufficient.

If you have any questions, please contact me.

Very truly yours,

Thomas C. Karnoski

Thomas C. Karnoski, Environmental Engineer
Solid & Hazardous Waste Management Branch
Environmental Health Section

TCK:ns
Enclosure
cc: J. W. Moore, Jr.

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N.C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

CHEMICAL ANALYSES - SOLID AND HAZARDOUS WASTE

Source: Cranston Co.
 Address: Fletcher, N.C.
 Zip: _____
 County: Henderson
 Report To: Keith Lawson
 Address: _____
 Zip: _____
 Telephone Number: () 3-2178
 Collected By: June Moore
 Date Collected: 10/13 Time AM
 Location of Sampling Point: Lagoon
on Cranston property

Remarks:
 "as is" for Cr
 only. I would like
 to have both total
 Cr, and Cr (VI). If
 this would be too
 laborious, Cr (VI)
 only will do. Call
 me if there are
 any questions.

) Extractable Metals		Results expressed in ppm unless otherwise indicated.	
Total Metals	Total Results	Ext. Results	Results
Arsenic			Solids, dissolved
Barium			Solids, suspended
Cadmium			Solids, total
Chloride			Solids, total volatile
✓ Chromium	68	50.05	Spec. Conductivity
Color			Zinc
Copper			Endrin
Flammability			Lindane
Fluoride			Methoxychlor
Iron			Toxaphene
Lead			2,4-D
Manganese			2,4,5-TP
Mercury			
Nitrate			
pH			
Selenium			
Silver			

Att Received 19 Oct 81 Date Reported 23 Oct 81 Reported By _____
 Laboratory Number 006755

CRANSTON PRINT WORKS COMPANY

CORPORATE OFFICES

1381 CRANSTON STREET, CRANSTON, R. I. 02920

TEL. 401-943-4800

October 1, 1981

Mr. Gordon Layton
North Carolina Department of Human Resources
Division of Health Services
Solid and Hazardous Waste Branch
P. O. Box 2091
Raleigh, North Carolina 27601

Dear Mr. Layton:

The Fletcher Division of Cranston Print Works Company is in the first stages of placing on-line a coal fired boiler to generate steam and supplementary electrical power for our production plant. As you well know this process also produces a bottom-ash for which a disposal site has to be provided.

I understand from Mr. Don Link of the Asheville Regional Office that he has discussed this problem with you by telephone. This letter to your Division is in direct response to my phone conversations with Mr. Link and will serve to inform you of our intentions to utilize three (3) existing sludge storage lagoons on our plant site to rectify this disposal problem. We at Cranston have always held to the contention that we would prefer to reclaim the acreage that is now taken up with these lagoons when the means became available. We also feel this bottom-ash is a suitable fill material and would serve the purpose of closing these lagoons over a period of time.

Mr. Link informed me Monday that your Division has classified the ash as a solid waste instead of a sludge and with the material thus classified, I understand we need a permit from Raleigh and not Asheville. In order for Cranston to comply with existing regulations I am requesting from you an on-site inspection by a representative of your Division at the earliest date possible.

Mr. Link informed me that you will be in this area in a couple of weeks. Could it be possible for you to combine our plant visit with your trip to the Regional Office? Mr. Link also stated to me that he would be more than happy to accompany you to our plant.

Mr. Gordon Layton
Page -2-
October 1, 1981

We want to work with the State in every way possible, and by handling this matter in this way Cranston could obtain the necessary permit in the most expedient manner. Please let me know how you intend to proceed.

Thank you,

CRANSTON PRINT WORKS COMPANY

J. R. DeBruhl
Environmentalist
Fletcher Division

JRDeB/dhv