

5101Permit1983 - Batch No.\_\_\_\_

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Ronald H. Levine, M.D., M.P.H.  
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES  
P.O. Box 2091  
Raleigh, N.C. 27602-2091

September 22, 1983

Gene B. Cobb, P.E.  
Ragsdale Consultants, P.A.  
310 E. Johnston Street  
P. O. Box 1749  
Smithfield, NC 27577

Re: Johnston County Construction Plan - Phase IV

Dear Mr. Cobb:

The subject plan has been reviewed by this office. The following items should be addressed or shown on the plans:

1. Permanent bench mark.
2. Design calculations for slope drains and justification for number used.
3. Standard detail for:
  - a. typical dike;
  - b. typical slope drain (plan view and cross-section).
4. Systematic development or construction sequence of site per .0504(2)(h)(v).
5. .0504(2)(h)(ii), (iii), (iv), (vi), and (vii).
6. The comments from Land Quality (see attached).

If you have any questions regarding this matter, please advise.

Respectfully,

  
J. Gordon Layton, Environmental Engineer  
Solid & Hazardous Waste Management Branch  
Environmental Health Section

JGL:ns  
Enclosure  
cc: Larry Perry, Harold Blizzard



# North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Joseph W. Grimsley, Secretary

September 13, 1983



Mr. J. Gordon Layton  
Division of Health Services  
Department of Human Resources  
Raleigh, North Carolina

Dear Gordon:

RE: Sediment and Erosion Control Plan  
Johnston County Landfill  
Phase IV.

We have completed our review of the sediment and erosion control plan for the subject project. To satisfy the requirements of the North Carolina Administrative Code (hereinafter abbreviated NCAC), Title 15, Chapter 4B.0017 we request the modifications and/or additions as listed below:

- (1) Specifications providing for: the installation of proposed temporary sediment and erosion control measures prior to the commencement of grading, the removal and disposition of entrapped sediments from the temporary sediment control measures so as to maintain a minimum of 50% of the original sediment storage capacity, and the removal of temporary sediment control measures only after all disturbed areas for which they serve have been stabilized sufficiently to restrain accelerated erosion. (Note should be made that seeding alone does not meet the requirements of stabilization sufficient to restrain accelerated erosion).
- (2) Sequence of erosion control installations and removals with respect to elements and areas of construction for which the measures are intended to serve.
- (3) The available sediment storage capacity for each sediment basin does not appear adequate, depending upon how construction is phased. Therefore, design calculations and assumptions for the basins are required for our review.
- (4) Specifications for the proposed rip-rap (size, etc.) in this project are required.

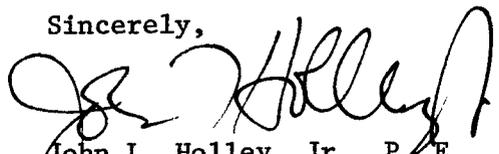
- (5) Design calculations and assumptions are required for the concrete flumes and energy dissipators. Most of the flumes do not appear adequate to accommodate the 10 year storm, assuming that the minimum dimensions as depicted on the detail are used.

In addition to the above items, it is recommended that silt fences, stone filters, and/or other acceptable practices be utilized below sediment basins while under construction. Also, additional permanent terraces are recommended for section 2 to control the drainage more efficiently upon completion.

Please be advised that pursuant to 15 NCAC 4B.0017 (a) and 15 NCAC 4B .0018 (a)(1) the land-disturbing activity must not be initiated until we have received an acceptable plan.

Your cooperation in resolving this matter will be appreciated. If there are any questions or if we can be of any assistance, please feel free to call.

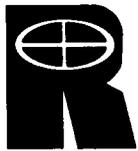
Sincerely,



John L. Holley, Jr., P.E.  
Regional Engineer  
Land Quality Section

JLH/ak





# RAGSDALE CONSULTANTS, P.A.

310 E. JOHNSTON STREET — P. O. BOX 1749 — SMITHFIELD, N. C. 27577

TELEPHONE (919) 834-7154 / 834-0511

July 25, 1983



Mr. Gordon Layton  
Solid and Hazardous Waste Management Branch  
Environmental Health Section, Division of Health Services  
N. C. Department of Human Resources  
P. O. Box 2091  
Raleigh, North Carolina 27602

Re: Operational Plan Submittal  
Phase IV Landfill Development  
Johnston County

Dear Gordon:

Enclosed please find three copies of plans and soils report for the Phase IV development of the Johnston County Landfill. We would appreciate your review and approval if in order.

If you have any questions or if discussion is needed in any way, please call on me.

Respectfully yours,

Gene B. Cobb, P. E.  
RAGSDALE CONSULTANTS, P.A.

GBC/pl  
Enclosures

cc/ Mr. Harold Blizzard

CIVIL, ENVIRONMENTAL, & STRUCTURAL ENGINEERING — ARCHITECTURE  
LANDSCAPE ARCHITECTURE — LAND PLANNING — SURVEYING

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