

5102Permit2000 - Batch No. ___

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5102 2000



MSW P
NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT

September 5, 2000

JAMES B. HUNT JR.
GOVERNOR

Mr. Pieter Scheer, P.E.
G.N. Richardson & Associates
425 N. Boylan Avenue
Raleigh, NC 27603

BILL HOLMAN
SECRETARY

Re: Leachate Recirculation Plan, Johnston County Landfill, Phase V, Permit No.
51-02

WILLIAM L. MEYER
DIRECTOR

Dear Mr. Scheer,

Johnston County has submitted a Leachate Recirculation Plan for Phase V of the Johnston County Landfill, Permit Number 51-02. The plan was prepared on behalf of the county by G.N. Richardson & Ass. of Raleigh, NC. The plan was prepared in general accordance with a Section guidance memo titled "Leachate Recirculation as a Liquid Management Tool". The plan has been reviewed. The purpose of this letter is to request some additional information and clarification of the plan.

Please include in the specifications, provisions for the trench construction activities. Specifically the Section requests that handling of the excavated waste, length of trench to be left exposed at the end of the day and provisions to cover the exposed trench be addressed. In previous such projects the permit included that the waste excavated during the construction will be removed from the trench, containerized, and disposed of at the working face. An approximate 50-60 foot section of the working trench could be left open as long as 72 hours, to facilitate laying and fusing of the collection pipe. The object of the plan is to prevent a nuisance, such as odors or attracting vectors. The use of an alternative daily cover, such as a tarp, could also be employed to cover the waste, if necessary, and also meet the operational requirements of Rule .1626.

The wet well for leachate recirculation is a large structure. The Section is evaluating the plan as proposed. The Section is also evaluating the leachate handling well as possibly being an underground storage tank, and subject to regulation under Rule .1680(d). Please address the wet well with respect to leak detection and possible groundwater monitoring, as well as the other requirements of Rule .1680(d).

While the application specifically covers leachate recirculation, it is proposed to include an element of landfill gas collection. Are the number and spacing of the holes in the GC pipe sufficient to collect and control landfill gas generation?



1646 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1646
401 OBERLIN ROAD, SUITE 150, RALEIGH, NC 27605
PHONE 919-733-4996 FAX 919-715-3605

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Leachate recirculation will increase the quantity and strength of the landfill gas emissions. What are the plans for controlling the gas? What is the status and timetable of the facilities permits and actions required by the Division of Air Quality, under Title V of the Clean Air Act, and the New Source Performance Standards?

Upon completion of the leachate recirculation plan, a pilot demonstration project permit for the facility will be prepared. Johnston County would then be able to conduct a 120-day demonstration project. Upon successful demonstration the activity would be permitted as an approved action within the current facility operation permit. If you have any questions, or need additional assistance please contact the Section at 919-733-0692. My extension is 343. I may also be contacted via email at ed.mussler@ncmail.net.

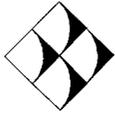
Sincerely,

Division of Waste Management



Edward Mussler, P.E.
Environmental Engineer
Solid Waste Section

cc: Jim Barber, DWM
Robert Hearn, DWM
Haywood Phthisic, Johnston County



G.N. RICHARDSON & ASSOCIATES, INC.
 Engineering and Geological Services

51-02
 cover

TRANSMITTAL FORM

If enclosures are not as noted or if you require additional information, please notify us immediately

June 6, 2000

Mr. Jim Coffey
 NC DENR Division of Waste Management
 401 Oberlin Road, Suite 150
 Raleigh, NC 27605



SUBJECT: Johnston County MSW Landfill - Phase 5

GNRA PROJECT NO: JOHNSTON-2

We are sending you the following items:

COPIES	ITEM	DESCRIPTION
2	Binders	2 copies of Request for Permit Modification - Leachate Recirculation Plan

These are transmitted as checked below:

- | | |
|--|--|
| <input type="checkbox"/> For Information | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested | <input type="checkbox"/> Approved as Noted-Revise and Resubmit |
| <input type="checkbox"/> For Review and Comments | <input type="checkbox"/> Not Approved-Revise and Resubmit |
| <input type="checkbox"/> For Revision | <input type="checkbox"/> For Record and File |
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> Submittal |
| <input type="checkbox"/> Approved | <input type="checkbox"/> For Recording |

REMARKS:

cc: Haywood Phthisic, Johnston County
 Tim Broome, P.E., Johnston County
 Rick Proctor, Johnston County


 Pieter K. Scheer, P.E.



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT

January 6, 2000

JAMES B. HUNT JR.
GOVERNOR

Mr. Haywood Phthisic
Director of Public Utilities
Johnston County
P.O. Box 2263
Smithfield, NC 27577

BILL HOLMAN
SECRETARY

RE: Permit 51-02, Johnson County Landfill- Approval of Alternate Daily Cover

WILLIAM L. MEYER
DIRECTOR

Dear Mr. Phthisic,

The Solid Waste Section has received the request for approval of use of the Tarpomatic system as a alternative daily cover, at the Johnson County Landfill. Your Waste Management Specialist, Mark Fry, evaluated the system and notified the central office of his approval of the product. Pursuant to Permit to Operate number 51-02, issued August 5, 1997, Attachment 4, Condition 11, approval is hereby granted for the specified alternative.

A copy of this letter should be placed in the facility operating record. This approval is only for the specified tarp system. Use of other forms of alternate daily cover require approval from the Section, as specified in the permit.

If there are any questions concerning this approval, please contact Ed Mussler of our office. Our number is 919.733.0692, extension 343.

Sincerely


James C. Coffey, Supervisor
Permitting Branch
Solid Waste Section

cc: File
Mark Fry DWM



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