

5102Permit1999 - Batch No. _____

51021999

State of North Carolina
Department of Environment
and Natural Resources
Division of Waste Management

James B. Hunt, Jr., Governor
Bill Holman, Secretary
William L. Meyer, Director



December 10, 1999

Mr. Rick Proctor
Johnston County Solid Waste Manager
Johnston County Solid Waste Division
Post Office Box 2263
Smithfield, North Carolina 27577

Re: Temporary Daily Cover
Johnston County Landfill
Johnston County 51-02 C

Dear Mr. Proctor:

In response to your request to use woody waste debris generated from Hurricane Floyd as landfill daily cover, please refer to the attached guidelines used in 1996 after Hurricane Fran. Your request is approved along with the requirements of these guidelines.

Please contact me if you have any questions concerning this matter.

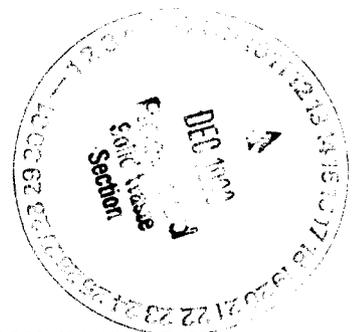
Sincerely,

Mark S. Fry
Waste Management Specialist
Solid Waste Section

MSF/ps

Enclosure

cc: Phil Prete
Terry Dover





Disaster Debris Clean-up Guidelines

Temporary Use of Woody Waste Debris as Landfill Daily Cover

The Solid Waste Section has been approached to consider the acceptability of the use of shredded and chipped woody material from hurricane debris clean-up operations as daily cover on Municipal Solid Waste (MSW) and Construction and Demolition (C&D) landfills. The Section has determined that the use of wood chips, particularly from piles or handling operations that have incorporated large amounts of dirt into the chips, is acceptable provided the following conditions are met:

1. The landfill is in a disaster relief county and the chips are documented as resulting from processing of storm-related debris.
2. The wood chip is less than 6 inches in size to avoid sizable voids in the cover.
3. Sufficient standard cover soil material is placed on the waste/wood chips at least weekly for the purposes of fire suppression.
4. The application plan receives review and approval of the Waste Management Specialist responsible for that facility (See attached list of contacts).

This conditional approval will expire ^{JUNE 15, 2000} ~~April 15, 1997~~ or on the date so stated by the Waste Management Specialist, whichever occurs sooner, and may be rescinded immediately if experience with this application indicates there is a potential threat to the environment or public health as a result.

Issued: 17 October 1996

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT



JAMES B. HUNT JR.
GOVERNOR

WAYNE MCDEVITT
SECRETARY

WILLIAM L. MEYER
DIRECTOR

August 16, 1999

Mr. Gerald W. Horton, PE
Titan Atlantic Group, Inc.
5240 Green's Dairy Road
Raleigh, NC 27616

Re: Johnston County MSWLF Gate Site, Permit Number 5101 and 5102

Dear Mr. Horton,

Recently we have had phone conversations regarding the permit requirements that would apply to construction of a "Gate Site" within the facility boundary of the Johnson County MSWLF.

It is the understanding of the Section that the convenience center would be located in the buffer area, near the scale house, and be used for the collection of recyclables, white goods, etc. from the general public. This facility is intended to replace an existing convenience center and will be the same, or very near, the same area that it is now located.

There are no permitting requirements or submittals on the construction details of the components of the gate site from the Solid Waste Section. Any construction activities should not interfere with the existing groundwater monitoring wells, and the Section Hydrogeologist should be consulted if any trenching or pipe laying will be in the groundwater. The new facility should also be located on a revision of the master facility plan drawing which is a part of the permit, and submitted to the Section. If there are any further questions, please do not hesitate to call me. I may be reached at 919-733-0692.

Sincerely,

Edward Mussler, PE
Environmental Engineer
Solid Waste Section

cc: Mark Fry
Terry Dover
Jim Barber



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



May 27, 1999

OFFICE OF
AIR AND RADIATION

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

Dear Mr. Phthisic:

Thank you for meeting with me and my colleague, Laura Thomson of SCS Engineers, to discuss the potential for a landfill gas utilization project at the Johnston County Landfill. The Landfill Methane Outreach Program (LMOP) is encouraged by your interest and looks forward to working with you on project development.

As discussed, there are a number of possibilities for utilizing the landfill gas (LFG) for energy, including: on-site greenhouses; soil remediation; electricity generation utilizing a micro-turbine; and attracting an industry to use the LFG as a low-cost energy source. The size of the site, combined with the fact that there are existing passive vents and land available for development adjacent to the site, make it an ideal candidate for project development.

Enclosed is a copy of a letter from Soil Restoration and Recycling, L.L.C (SR2) outlining questions they have about the Johnston County Landfill. This is one option for Johnston County: an on-site use that would remediate biosolids and chicken waste while generating economic benefit from the sale of the end products.

Also, you mentioned that Johnston County had a certificate of convenience with the Public Utilities Commission. What is the status of the certificate? Can it be extended? With North Carolina studying deregulation, the utilities may be interested adding a renewable energy source -landfill gas- to their power portfolio.

The LMOP is available to assist you in addressing these issues in order to facilitate the development of a project at your site. For example, our program can provide you with a list of potential end users for the gas, provide you with information on operating projects such as on-site greenhouses, or give you information on securing grants for project development.

I would like to remind you of your invitation to join the LMOP as a Community Partner, which would entitle you to a host of benefits, including: monthly updates of activities and issues involving the landfill gas industry; informational and technical assistance; a network of peers from all aspects of the landfill gas industry; and public relations and marketing assistance. Please feel free to contact me if you have any questions or comments at: 202-564-9797, 202-565-2077 (fax), or cohen.shelley@epa.gov.

I look forward to welcoming Johnston County as the next LMOP Community Partner!

Sincerely,



Shelley Cohen
Program Manager
Landfill Methane Outreach Program

cc: Tim Broom, County Engineer, Johnston County
Wendy Shepherd, NC Division of Waste Management
Ed Mussler, NC Division of Waste Management
Laura Thomson, SCS Engineers (LMOP contractor)