



North Carolina Department of Environment and Natural Resources

Division of Waste Management

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SOLID WASTE SECTION

August 19, 2014

Mr. Robert Mazur, Director
Bladen County C&D Landfill
1522 Mercer Mill Road
Elizabethtown, North Carolina 28337

Subject: Approval of the Request of Receiving Excavated Soil from a DOT Road Project
Closed Bladen County Sanitary Landfill
Bladen County, North Carolina
Permit No. 09-01, Document ID No. (Doc ID) 21615

Dear Mr. Mazur:

Since August 2013, via phone conversations and e-mail messages, the Division of Waste Management (DWM), Solid Waste Section (SWS) has discussed with the North Carolina Department of Transportation (NCDOT), GeoEnvironmental Section, a proposal to dispose of excavated soil at the closed Bladen County Sanitary Landfill, Permit Number 0901-MSWLF-1981 (the Proposal). The soil, approximately 250,000 cubic yards, will be generated from construction of the US 701/NC 87 Bypass Interchange Transportation Improvement Project (the Road Project), which is approximately 1,000 feet away from the closed Bladen County Sanitary Landfill. Based on the NCDOT estimation, approximately 10,000 truck trips are required to transport this amount of soil from the road project site to a permitted disposal facility.

The SWS approves the Bladen County Sanitary Landfill, Permit Number 0901-MSWLF-1981 to receive and place the excavated soil from the road project on top of the closed landfill units in the manner shown on the figure titled "*Preliminary Investigation: Feasibility of Earthwork Waste Disposal at Bladen County Landfill.*" We believe this approval will create a win-win situation for all parties involved in this Road Project. The Section made this decision based on the following considerations:

1. The general public support and local government approval. The Bladen County Board of Commissioners must approve this Proposal.
2. The proactive implantation of the NCDENR Mission Statement. The Division of Waste Management, within DENR is a resource of public assistance and a state government team player in creating local jobs and significantly reducing this road project budget. A significant

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saving on the budget/money from tax payers of this road project can be expected by minimizing the costs associated with fuel, vehicle operation, maintenances, and insurance due to shorter travel /hauling distance from the Road Project site to the landfill, when compared to other disposal alternatives.

3. The final soil cover system of the closed Bladen landfill units have been subject to waste settlement which is a very common condition encountered closed landfill units. The weight of soil depository constructed on top of the final cover system of the landfill units may stabilize the waste settlement rate, and the integrity and effectiveness of the final cover system can be restored in the course of the project by implementing the approved post-closure plans and employing the proper construction techniques and approaches.

To initiate construction activities at the landfill, Bladen County (the County) must implement the following minimum requirements in the course of constructing this new soil depository on top of the closed landfill:

- The Bladen County Sanitary Landfill, Permit Number 0901-MSWLF-1981, can only accept excavated clean soil from this road project. Disposal of any other wastes are prohibited.
- The Bladen County Sanitary Landfill, Permit Number 0901-MSWLF-1981 shall cease operation for receiving clean soil after the Road Project is completed or the proposed services are no longer required by the NCDOT, whichever comes first. The County must notify the SWS in writing within 7 calendar days after the decision has been made. The written notification must be placed in the operating record.
- The County will be ultimately responsible for the security of the landfill, preventing illegal waste disposal during the landfill operation periods, for restoration of the landfill facility to the originally acceptable conditions, for continuing the post-closure care at the landfill units, and for long-term maintenances of the new soil depository which shall be considered as a portion of the landfill.
- The soil will be unloaded, spread uniformly, compacted by layers, and graded to the approved final grades at the landfill according to approved Application.
- The final grades of the new soil depository must be constructed in a manner that facilitates any post-closure care including grass mowing and proper drainage.
- As the fill area reaches the proposed final grades it must be stabilized by vegetation in accordance with the Sedimentation Control Act NCGS 113A-50, et seq., and rules promulgated under Rule 15A NCAC 4.
- The construction activities shall not interfere or damage the on-site monitoring system/network and activity including groundwater monitoring wells and roads accessing the monitoring points/wells.
- Edge of waste markers will be replaced
- No sedimentation basins will be located over waste
- All monitoring wells will be protected and replaced if damaged.

Please place this approval letter in the landfill facility operating record. It is advised that the issuance of this approval neither exempts nor removes the County's responsibility to comply with any applicable ordinance, regulation or law regarding any activity associated with this Proposal.

If you have any questions or comments regarding this approval, please contact my staff Ming Chao at (919) 707-8251 or ming.chao@ncdenr.gov or Drew Hammonds, Senior Environmental Specialist for your area, at (910)433-3351 or adndrew.hammonds@ncder.gov.

Sincerely,

Edward F. Mussler, III, P.E.
Permitting Branch Supervisor
Solid Waste Section

Cc:

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