



# Department of Environmental Protection

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By E-Mail

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Mr. Josef Grusauskas  
Volusia County Solid Waste Division  
3151 East New York Avenue  
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Volusia County – SW  
Tomoka Farms Road Landfill, North Cell – Class I  
Landfill Gas Collection and Control System – Intermediate Modification  
Modification of Permit No. SO64-0078767-016  
Permit Application No. SO64-0078767-018

Dear Mr. Grusauskas:

In response to the permit modification request submitted October 15, 2003, the Department is granting your request for an intermediate modification to the existing operation permit for the Tomoka Farms Road Landfill, North Cell – Class I. The purpose of this intermediate modification is to address the construction and operation of the North Cell Phase I landfill gas (LFG) collection and control system as required by the Clean Air Act New Source Performance Standards (NSPS) for Municipal Solid Waste Landfills.

The LFG collected from the North Cell will either be sent to a new blower/flare station located southwest of the North Cell or conveyed by a pipeline to the existing LFG recovery facility located on the west side of the South Cell.

Specific Conditions 44 to 54 have been added to Permit No. SO64-0078767-016.

44. Gas Management System Requirements: The gas collection and control system shall meet the requirements of 40 CFR 60.573 to minimize off-site migration of subsurface gas and control surface emissions by reducing gas pressures within the landfill in accordance with Rule 62-701.530, F.A.C.

45. Header Isolation Valves: Header isolation valves shall be installed in order to allow for isolation of certain header sections in case repair or maintenance is needed.

46. Condensate Collection Devices: All condensate collection devices, both on and off the footprint of the landfill, shall be sumps that discharge the condensate to the existing leachate collection and removal system (LCRS) via leachate cleanout or leachate pump station risers. The condensate shall be disposed of in the same manner as leachate from the North Cell, and there shall be no additional testing of the condensate.

47. Gas Pressure: The vertical extraction wells and horizontal collectors shall be spaced to provide comprehensive collection coverage and reduce the internal gas pressures of the landfill.

48. Liner and Leachate Control Systems: The North Cell liner and leachate systems shall not be compromised by the installation of the gas collection and control system (GCCS). All proposed new vertical extraction wells shall be installed with the bottom of the borehole at least 10 feet above the bottom of refuse. This leaves sufficient room in order to prevent accidental disturbance of the liner or leachate system during drilling. In addition, the tie-ins of the condensate forcemains from the condensate sumps shall be made so as not to interfere with the operation of the LCRS.

49. Gas Monitoring Program: There shall be no changes to the current gas migration monitoring program.

50. Gas and Odor Remediation Plan Implementation: If LFG migration occurs or objectionable odors are detected offsite, the permittee shall take the necessary steps to protect human health as required by Rule 62-701.530, F.A.C. The County shall submit to FDEP a gas remediation plan within 7 days of detection. The remedy shall be completed within 60 days of detection, or as approved by FDEP.

51. Closure Plan: The operation of the GCCS shall be included in any future closure plans for the North Cell.

52. Closure Costs: The closure and long-term care costs associated with the GCCS shall be included in the next update of the annual financial assurance documentation.

53. Long-Term Care Requirements – Gas System Maintenance: Monitoring for LFG migration shall continue through the long-term care period of the landfill. Maintenance activities on the system shall involve any repairs resulting from the routine inspection of the system. Preventive and corrective maintenance shall be performed on the GCCS and blower/flare station equipment in accordance with the manufacturers recommendations.

54. Permit Deviation: The department shall be notified and approval shall be obtained prior to executing any substantial changes or revisions to the construction and operation authorized by this permit.

The information submitted October 15, 2003, on file at the Central District office, is made a part of the subject permit. The document is listed in Appendix A.

All other conditions of the subject permit remain unchanged.

This letter must be attached to Permit No. SO64-0078767-016 and becomes part of that permit.

Sincerely,



Vivian F. Garfein  
Director, Central District

Date: January 30, 2004

VFG/gc/ew

cc:

Richard Tedder, P.E. – DEP – Tallahassee

Fred Wick – DEP – Tallahassee

D. Penoyer, P.E. – SCS Engineers

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L. Kozlov, P.E. – Air Program Administrator – DEP – Central District

Volusia County Environmental Management

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## Appendix A

1. Application For Intermediate Modification Of Operation Permit To Construct And Operate A Landfill Gas Collection And Control System – Tomoka Farms Road Landfill North Cell Class I Landfill Area County Of Volusia, Florida, Prepared by SCS Engineers, Daytona Beach, Florida 32118, Dated October 2, 2003. Received And Stamped October 15, 2003, Central District – DEP.