



Florida Department of Environmental Protection

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By E-Mail

Imarion@co.volusia.fl.us

Mr. Leonard Marion
Volusia County Solid Waste Department
3151 East State Road 44
Deland, FL 32724

OCD-SW-08-0448

Volusia County – SW
Tomoka Farms Road Landfill, Class III
Landfill Expansion – Major Modification
First Request for Additional Information
Modification of Permit No. SO64-0078767-019
Permit application No. SO64-0078767-024

Dear Mr. Marion:

The Department received an application for a major modification to Permit No. SO64-0078767-019 on July 14, 2008. The submittal was dated July 11, 2008. A second submittal which included drawings 1 through 9, dated June 30, 2008, was received on July 28, 2008. Your application for a major modification is incomplete. Please provide the information listed on the attached sheet promptly. Evaluation of your application will be delayed until all the requested information has been received.

Pursuant to Section 120.60(2), Florida Statutes, the Department may deny an application, if the applicant, after receiving timely notice, fails to correct errors and omissions, or supply additional information within a reasonable period of time. Accordingly, please provide the additional information within 30 days of the date you receive this letter. Submit three copies of the requested information to the Department and reference the above permit application number in your correspondence.

If you have any questions, please contact me at (407) 893-3328.

Sincerely,

F. Thomas Lubozynski, P.E.
Waste Program Administrator

Date: August 26, 2008

FTL/gc/ew

Enclosure

cc: Lee A. Powell, P.E. – SCS Engineers, Daytona Beach, FL 32118
lpowell@scsengineers.com

Note that all references to "Report" in the following text refers to the document entitled, "Application for a Permit to Construct An Expansion to the Tomoka Farms Road Landfill, Class III Disposal Cell, Volusia County, Florida," Prepared by SCS Engineers, Daytona Beach, Florida, dated June 30, 2008.

1. On Page 5 of 40, DEP Form 62-701.900(1), for Item A-15, provide a construction cost for the Class III landfill expansion. Submit the revised page.
2. On Page 5 of 40, DEP Form 62-701.900(1), for Item A-16, provide the anticipated construction starting date for the Class III landfill expansion. Submit the revised page.
3. On Page 6 of 40, DEP Form 62-701.900(1), Item B-3 appears to be incorrect. The total disposal area minus the used acres of disposal area should equal the available disposal area in acres. Submit the revised page.
4. On Page 6 of 40, DEP Form 62-701.900(1), for Item B-8, check marks are shown against the Residential and Commercial waste. Describe the type of waste accepted at the Class III landfill which fits the category of Residential and Commercial.
5. On Page 7 of 40, DEP Form 62-701.900(1), for Item B-21, since the Class III landfill does not have a liner, provide a check mark against "None." Submit the revised page.
6. On Page 8 of 40, DEP Form 62-701.900(1), provide information for Item B-28, if applicable, and submit the revised page.
7. Table of Contents – Page viii is not signed, sealed and dated by a professional engineer, licensed in Florida. Submit the same, signed, sealed and dated by a Florida licensed professional engineer.
8. The Class III cell was permitted and constructed prior to May 27, 2001 and remains subject to the prohibitions that were in effect at the time the construction permit was issued. Lateral expansions of such facilities are subject to the prohibitions that are in effect at the time the permit authorizing the lateral expansion is issued, Rule 62-701.300(16), F.A.C. Provide information to indicate that the construction of the 8-acre lateral expansion of the Class III cell is not in violation of the prohibitions of the current Rule 62-701.300, F.A.C.
9. The one page certification sheet referenced on Page E-1, Section E.2 in the Report submitted as part of the permit package, was not signed and sealed by the Engineer of Record. Submit the Engineers Certification signed, sealed and dated by the Engineer of Record.
10. Page F-1, Section F.3 in the Report indicates the proposed expansion of the Class III landfill will add an additional 5.8 acres to the Class III disposal area. Page 6 of 40, Item B-1, DEP Form 62-701.900(1), requests a permit to construct an 8-acre lateral expansion. The narrative and cost estimate in Section S indicates the proposed expansion will increase the footprint of the Class II cell by approximately 8 acres. Indicate which of the statements is correct and make the necessary correction in the text.
11. Page J-1, Section J.1.b states that the Class III landfill expansion is located within the footprint of an existing closed Class I landfill. Provide information as to when the Class I landfill was closed and a description of the Class I landfill final cover system.
12. Section K on page K-1 in the Report references construction of the Class III cell on top of the closed Class I to Section J of the 1999 permit application. In the Department's files, we can find a 1986 drawing that shows an inactive landfill in the area for the current Class III landfill and the proposed expansion. However, we could not find "Section J of the 1999 permit application." Please provide a copy of that reference. Also, provide any information you have that shows the delineation of waste for the "inactive landfill" which will be underneath the Class III expansion.

13. Financial Assurance Cost Estimate (signed/sealed June 30, 2008) in Attachment S of the Report. All comments are referenced to DEP Form # 62-701.900(28) which was included.

a) Total Landfill Acreage included in the estimate is 89.4 acres. If the 89.4 acres is the area based on the footprint, then all surface area and volume calculations for cover and vegetation need to be revised. The area and volume calculations must use the surface area, which because of the slope is larger than the footprint area. Please show all calculations that are the basis for the amount of soil and vegetation needed to properly close the facility.

b) On Page 2 of 11, the signature of the Owner/Operator need to be provided.

c) On Page 4 of 11, Item 6, for Stormwater Control System, the piping cost entry is missing.

d) On Page 6 of 11, Item 12, a contingency factor of 5% is shown. The Department is willing to accept a contingency factor of 10% or greater. If you use a contingency factor less than 10%, please explain the basis for the value.

e) The costs are to be estimated and certified by a professional engineer, licensed in Florida, for a third party performing the work, on a per unit basis, with the source of estimates indicated. Provide a basis for the calculations and justification for unit cost.

14. A financial mechanism must be funded in the amount of the sum of the total closure and long-term care costs specified in the approved cost estimate and accepted by the Department's Financial Coordinator before this application can be deemed complete. At this time the cost estimate has not been approved. Financial responsibility arrangements for the facility for the approved amounts are to be made with the Financial Coordinator, Solid Waste Section, MS-4565, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, and a copy of the approval letter submitted to: Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.

15. Page H-2, Section H.8, "Surface Water Management System," indicates no changes are necessary to the storm water treatment system even though the amount of impervious surface will increase. Is that correct?

16. In Attachment H-2 in Section H, there is a page titled "Tomoka Farms Road Landfill, Class III Landfill Modification."

a) It states the total basin area is 76.64 acres and the additional impervious surface area is 9.32 acres. If the current Class III area is 81.4 cares how can the total basin area be 76.64 acres? Does the additional impervious surface area include anything other than the 8 acre expansion and access roads?

b) At the bottom of the page, it states, "Note: Entire area is considered pervious except for the access road." Class III landfills are considered impervious because of the membrane cap required at closure. What is the basis for this statement?