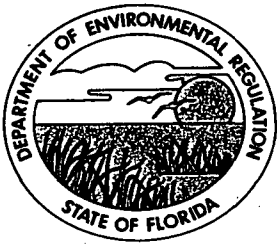


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## Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

April 27, 1990

RECEIVED  
MAY 2 1990  
EA, SOLID WASTE

Ms. Patricia Cassalia  
Engineering Supervisor  
315 75th Street West  
Bradenton, Florida 34209

Re: Leachate System for Lena Road Stage II Permit Modification Request  
SC41-095568, Manatee County.

Dear Ms. Cassalia:

This is to acknowledge receipt of the above-referenced permit modification request for your Manatee County Facility

This letter constitutes notice that a permit modification will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit modification is incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

The following information is needed in support of the permit modification request [Chapter 17-701, Florida Administrative Code (F.A.C.)]:

1. Please provide proof of publication of notice of application as per FAC Section 17-701.030(4), see attachment.
2. Leachate collection pipes need to be set at least one foot below seasonal low water table (SLWT). Therefore, SLWT must be established along the length of the leachate collection pipes at distances no greater than 1000 feet apart. Please provide this information on profile sheets showing the SLWT, the leachate collection pipes and identify the invert elevations of the pipes and all manholes.
3. On Plan Sheet 4, the leachate collection pipe located along a line drawn between "STA 42+14.30/STA 70+00" shows "INV. 23.15" clean out between "INV. 26.70" and "INV. 23.46". This shows drainage toward the center of the landfill, which is not sufficient. The slope of this pipeline needs to be changed.

4. How will the manholes be maintained throughout the operation and closure of the site? Please provide plans showing how access will be provided for manholes in the center of the landfill. The pipelines crossing the center of the landfill are essential to the operation of the slurry wall system.
5. Please provide calculations which indicate that the leachate collection pipes will not fail due to crushing or settlement due to filling and disposal throughout the life of the landfill operation and closure. Calculations must also show that slopes of the lateral leachate collection pipes provide positive drainage to the outside of the landfill.
6. All responses and additional information provided must be signed and sealed by a professional engineer.
7. Please describe how your filter aggregate conforms with DER rules which specifies that drainage layer permeabilities must be greater than  $1 \times 10^{-3}$  cm/sec and shall not clog. Is filter fabric proposed for your design? Please verify that this design has been approved by DER and used within the last two years.
8. According to Section 3.04 of the specifications, "the contractor shall dispose of all material and debris from the clearing and grubbing operation by hauling such material and debris off-site". Since this material is solid waste, please specify where this material will be disposed of.
9. Please provide a detail showing how the slurry wall penetration depicted on plan sheet 4 (southwest corner) will not adversely affect the integrity of the slurry wall at that location.
10. It appears that leachate will only be generated from those pipes where active disposal is taking place. It is suggested that your proposed system be used as a phased landfill. For instance, if disposal first takes place south of the pump station, then collection pipes north of the pump station are only collecting groundwater and stormwater. Department rules specify that leachate should be minimized and stormwater be kept separate from active disposal areas. Please provide a proposal for minimizing leachate collection.
11. This is a major permit modification request. As such, you are requested to submit the \$500.00 processing fee.

Ms. Patricia Cassalia  
Engineering Supervisor

April 27, 1990  
Page Three

As this request serves as a summary of all remaining items needed to complete this submittal, we will expect to receive the requested information within the next 30 days. If you cannot provide this information within 30 days, please contact us and arrange an appropriate schedule thru which the information can be provided. If we cannot reach a satisfactory agreement concerning timely submittal of this information, the Department will be placed in the position of denying this request for a permit modification. Therefore, if there are points which must be discussed and resolved, please contact me at (813) 623-5561, extension 399 to arrange a meeting.

Sincerely,

Ernest G. Weeks, Engineer  
Solid Waste Section  
Division of Waste Management

EGW/ab  
Attachment

cc: John Reese, DER Tallahassee —  
Dan Gray, Manatee County  
Tom Zinc, P.E., Manatee County  
Kim Ford, P.E., DER Tampa

**State of Florida  
Department of Environmental Regulation  
Notice of Application**

The Department announces receipt of an application for permit modification from the Manatee County Public Works Department to install a leachate collection system at a solid waste Class I landfill, the Lena Road Stage II Class I Landfill. This proposed project will be located south of S.R. 64 off of Lena Road, Manatee County.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Regulation, Southwest District Office, 4520 Oak Fair Boulevard, Tampa, Florida 33610-7347.