

Department of Environmental Regulation  
**Routing and Transmittal Slip**

To: (Name, Office, Location)

1.

*Kathy Anderson*

2.

*Solid Waste Program*

3.

4.

Remarks:

**RECEIVED**  
JUN 14 1993  
EA, SOLID WASTE

From:

*Kim Ford*

Date

*6-11-93*

Phone



# Florida Department of Environmental Protection

Southwest District

3804 Coconut Palm Dr.

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Virginia Wetherell, Secretary

June 11, 1993

Mr. J.R. Prestridge  
Hardee County  
Department of Solid Waste  
Post Office Box 246  
Wauchula, FL 33873

40612

4025C30001

M

Re: Hardee County Solid Waste Facility  
Pending Permits: SO25-214306 (Class I Landfill)  
SO25-212896 (C & D Debris)  
WT25-209268 (Waste Tire Site)

Dear Mr. Prestridge:

This is to acknowledge receipt of supporting information related to the application for Hardee County Solid Waste Facility.

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

Your applications for a permit remains 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 solid waste applications [Chapter 17-701, Florida Administrative Code (F.A.C.)]:

1. Your March 17, 1993 cost estimates have been approved and have been forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Hardee County's financial responsibility documents.
2. Sufficient information has been provided in support of the construction and demolition debris disposal and waste tire site activities. These will be included as part of one permit when the other remaining issues are resolved.
3. Please provide your response to Ms. Allison Amram's June 11, 1993 attachment memorandum. Ms. Amram may be contacted at (813) 744-6100, extension 336.

4. The sequence of filling shown on plans is not sufficient. Leachate generation must be minimized, and also prevented from running off active areas into adjacent stormwater system by constructing berms or ditches. Initial or intermediate cover that may receive leachate shall be graded to shed runoff into the leachate collection system and to minimize mixing of leachate runoff and stormwater. Bales shall be stacked to prevent leachate runoff outside disposal area. Provide rationale in support of structural integrity of the landfill side slopes and top final cover utilizing waste bales. Include frequency of cover and cover depth over stacked bales as well as the depth of bales stacked prior to covering. The filling sequence should be clearly described in 3 month increments until such time as the sequence is repeated or the area has reached final contours.

The drawing provided shows an outdated filling sequence and lacks the detail required to properly operate the landfill. Provide plans and cross-sections showing all berms, berm details, access roads and details, side slopes with intermediate cover, and operation schedule for using future high rise area, and schedule for closure. If any areas will be closed within five years, Hardee County should consider developing closing plans. A recent site inspection showed eroded side slopes. Describe measures to correct and prevent future erosion of intermediate cover.

5. The hydrogeologic evaluation by Mevers & Associates verifies that leachate spray irrigated discharges to the creek south of the sprayfield. This is an unauthorized discharge in violation of Department rules and must be corrected. The current spraying operation is similar to recirculation and shall meet the requirements of FAC Rule 17-701.400(5). Leachate management shall meet the requirements of FAC Rule 17-701.500(8). Corrective action plans are required to demonstrate reasonable assurance that leachate will be collected and removed. Lining the south side of the sprayfield appears to be essential to facilitate leachate collection and to prevent unauthorized discharges of leachate. The current and proposed spraying techniques do not demonstrate removal. Removal includes basically two options:
  1. Evaporation (no mounding)
  2. Off-site treatment

Mr. J.R. Prestridge  
Hardee County  
Department of Solid Waste

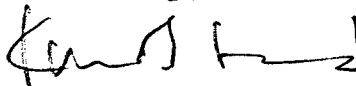
June 11, 1993  
Page Three

Wade-Trim has requested more time to gather needed information to design leachate management systems. Please be advised: The information needed was requested by FDER on March 22, 1993, see attached letter. Further delays are unacceptable and may result in permit denial and subsequent enforcement action.

"NOTICE! Pursuant to the provisions of Section 120.600, F.S. and Chapter 17-12.070(5), F.A.C., if the Department does not receive a response to this request for information within 30 days of the date of this letter, the Department may issue a final order denying your application. If the response will require longer than 30 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

If there are points which must be discussed and resolved, please contact me at (813) 744-6100, extension 382.

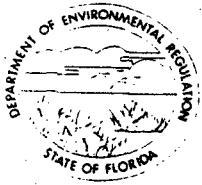
Sincerely,



Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management

KBF/ab  
Attachments

cc: Steven Dutch, P.E., Wade-Trim  
David Mevers, P.E., Mevers & Associates  
Robert Butera, P.E., FDER Tampa  
Steve Morgan, FDER Tampa  
Allison Amram, P.G., FDER Tampa  
Kathy Anderson, FDER Tallahassee  
Fred Wick, FDER Tallahassee



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. *RB*

FROM: Allison Amram, P.G. *Amram*

DATE: June 11, 1993

SUBJECT: Hardee County Landfill  
Pending Permit No.: SO25-214306

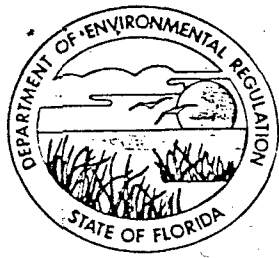
The Solid Waste Section has reviewed the May 17, 1993 submittal from Mevers & Associates addressing the Department's April 13, 1993 comments on the Hardee County Landfill. The following comments need to be addressed:

- 1) The data provided for the field permeability in the recent submittal states that the piezometers have 15 feet of well screen. The March 1993 submittal shows the boring information from these piezometers ending at 15 feet or less. Please provide the entire piezometer boring logs and construction details. This information is needed to evaluate the permeability calculations.
- 2) The MODFLOW model was reviewed from the data disk provided by Mevers & Associates. The model, as constructed, defined both monitoring wells, piezometers and surface waters to be constant head nodes. As leachate spraying continues, these surface water and groundwater elevations change. The model was re-run using variable heads for these nodes, and a mounding effect was still observed in the sprayfield. Under current conditions, it appears that the leachate has created a groundwater mound that is moving toward the south, unlined area of the sprayfield. This migration is not acceptable to the Department. Alternatives need to be presented to the Department to provide reasonable assurance that the leachate is managed in a manner that will not degrade surface or groundwaters. This comment is also included in attached letter from Mr. Kim Ford.

3) The following comments refer to the Groundwater Monitoring Plan:

- The Groundwater Monitoring Plan mentions that eight (8) monitoring wells will be monitored, but only seven (7) are present on Plate 4. The Department assumes that these seven monitoring well (MW-1 through MW-7) are all to be monitored in this plan. Is the eighth well the one proposed in the March 1993 submittal to monitor the sprayfield? Please clarify, and provide the location, proposed well construction and purpose of this well.
- Lead shall be sampled quarterly in all groundwater monitoring wells. It appears that this parameter was inadvertently left out of the listed parameters in Section 3 of the submittal.
- Piezometer construction and boring log data must be provided before a determination on the use of these monitoring points can be made (see comment no. 1).
- Leachate sampling for the parameters listed in Chapter 17-701.510 (8)(c) shall be analyzed quarterly. Sampling frequency was not clear in the May 1993 submittal.
- All groundwater monitoring points shall be measured to 0.01 feet accuracy. There is a typographical error in Chapter 17-701.510(9)(a)8 that will be changed in the next rule revision.
- The monitoring plan mentions surface water sampling, but no sampling points are stated. Are there surface water monitoring points at the landfill that will be included in the monitoring plan? If so, please provide these locations.

Please provide two (2) copies of your response to these comments to facilitate the Department's review.



# Florida Department of Environmental Regulation

Southwest District

3804 Coconut Palm

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Virginia B. Wetherell, Secretary

MAR 22 1993

J.R. Prestridge  
Superintendent  
Hardee County Solid Waste  
74 Hanchy Road  
Wauchula, FL 33873

RE: Hardee County Landfill  
Permit No. SO25-096551  
Quantity Report

Dear Mr. Prestridge:

The Department requests the following information and/or reports to be submitted prior to May 15, 1993. Please provide daily records from January 1, 1993 through April 1, 1993 for the following:

- \* Quantities of leachate collected
- \* Quantities of leachate stored or impounded
- \* Quantities of leachate recirculated
- \* Quantities of leachate hauled or piped to a wastewater treatment plant

This information will be evaluated by the Department. Design or operational changes may be needed to prevent unauthorized discharges or excessive head over lined disposal areas. If you have any questions, you may call me at (813) 744-6100 ext. 382.

Sincerely,

Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management

cc: Robert Butera, FDER Tampa  
Steve Morgan, FDER Tampa  
Kathy Anderson, FDER Tallahassee