

ARKANSAS DEPARTMENT OF
POLLUTION CONTROL AND ECOLOGY

MINUTE ORDER NUMBER 82-24

LOCATION - SUBJECT: PERMITS BRANCH

SOLID WASTE SECTION

PAGE 1 OF 1 PAGES

The Commission hereby approves the permit applications submitted by the following firms, subject to the provisions of the Solid Waste Management Act, the Solid Waste Management Code, and the permit terms and conditions.

The Altes Company

Name of Facility - Resource Recovery Transfer Station, Ft. Smith

Additional Conditions - Proper preparation of the site shall be supervised and reported in writing to the Department by a Registered Professional Engineer prior to operation of the station; also, all operations will be housed within the metal building outlined in the engineering plans. The operation shall not be conducted in any manner that will create objectionable odors, nuisance conditions, or unauthorized wastewater discharges.

Oscar E. Harris, Jr.

Name of Facility - Miller County Sanitary Landfill

Additional Conditions - This permit shall expire when the approximate 15 acre disposal area described in the final engineering plans has been filled to design capacity. Proper preparation of the site shall be supervised and reported in writing to the Department by a Registered Professional Engineer prior to placement of any waste in the landfill. A two (2) foot clay liner obtained from the approved borrow area will be placed in each trench as specified in the submitted engineering narrative. A Registered Professional Engineer will supervise this installation and submit a report to the Department for each trench. A 30 day stockpile of clay liner material shall be maintained on the landfill site. Each of the three groundwater monitoring wells shall be analyzed quarterly during the first year of operation and twice annually thereafter unless more frequent monitoring is necessary. The analysis shall include the following parameters: Cd, Fe, Pb, Zn, Mn, Chlorides, TDS, COD, pH, and total Hardness.

COMMISSIONERS

[Handwritten signatures of Commissioners]

[Handwritten signature of John P. Saylor]
Chairman

SUBMITTED BY John Ward

DATE PASSED 3-26-82

1. Name of Applicant The Altes Company - R. D. Altes, President

Address P. O. Box 6064, Ft. Smith, AR 72906

2. Name of Facility Resource Recovery Transfer Station

3. Engineer/Firm Van W. Lee

Address 1623 North A. Street, Ft. Smith, AR 72901

4. Pre-application Date 10-16-81 Application Date 2-10-82

5. Site Location - General At intersection of AR Hwy.271 Interstate 540 south of Ft. Smith
Specific Part of the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 17, T7N, R32W Sebastian County

6. Operation Transfer Station only

7. Residences Within $\frac{1}{2}$ Mile Numerous residents. Only visible to less than 10 residences. All operations are within building.

8. Water Supplies Within Vicinity City water supply.

9. Soils/Groundwater Does not apply. Building is on a concrete pad with controlled drainage.

10. Drainage Sequence 2 miles west to the Poteau River.

11. Hearing Date None req. Dept. Represented _____ Remarks Transfer station does not require public notice.

12. Recommended Additional Permit Provisions See attached sheet for additional conditions.

13. Summary Comments See the attached description of operations.

Approval Recommended Yes Engineer Mark Witherspoon Date 2/22/82

ADDITIONAL CONDITIONS

- 12 (a) Proper preparation of the site shall be supervised and reported in writing to the Department by a Registered Professional Engineer prior to operation of the transfer station.
- (b) All operations will be housed within the metal building as outlined in the engineering plans.
- (c) The operation shall not be conducted in any manner that will create objectionable odors, nuisance conditions, or unauthorized wastewater discharges.
- (d) As an adjunct to the additional conditions listed above, the permittee is reminded that the provisions of Condition #1 of this permit shall also be satisfied in the construction, operation, and maintenance of the transfer station.
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STATEMENT OF PURPOSES AND BENEFITS

- I. The Altes Company also d/b/a Arkhoma Refuse hauls to dispose of approximately 21,000 cubic yards of trash per month. Of this volume about 6,000 cubic yards is already compacted, about 2,000 cubic yards cannot be compacted farther (consists of mud, rock, concrete, and putrescible wet waste). About 700 to 1,000 cubic yards are commercial and residential type waste, compacted.

Roughly 60 percent of our waste is hauled in open top containers and consists mainly of dry corrugated paper and wood packing material. This material has not been compacted. Simple compaction of this waste before disposal would result in a savings of over \$5,000 per month. (Assuming a four to one (4:1) ratio of compaction which is real safe.)

- II. The Altes Company hauls to dispose for primarily industrial customers in Sebastian and Crawford Counties. Almost all of the industry of this metropolitan area is served by our company. The bulk of the total waste hauled is therefore dry corrugated container and wood pallets and other related items connected with manufacturing processes. Steel bands, copper wire and other related items find their way into our containers.

The Altes Company d/b/a Arkhoma Refuse also hauls to dispose of commercial trash from small businesses in Crawford County. This is a distinct route that picks up at grocery stores, restaurants, and other commercial retail establishments. We offer this same commercial service throughout the county of Sequoyah in Oklahoma. Though with this route in Oklahoma we pick up residential trash in containers for the City of Moffett, Marble City, and Vian. We therefore haul some residential trash in with the commercial on occasion. However, we can usually separate the two types

of waste when the load is hauled. (E.G. the driver hauls one load commercial next load he picks up residential.)

- III: Most of our waste, as you can see, is separated by the type of customer at the point of pick up. Therefore, it is very easy for us to know what the bulk of the load will consist of. K-Mart, Sears, and Service Merchandise are all almost 100 percent recoverable corrugated cardboard. This product when sold is bringing on the market about \$50 per ton at the mill baled, locally we can get \$40 per ton.
- IV. The Altes Company plans a recovery facility to recover several items comprising the bulk of the waste we dispose of. The truck drivers would be informed ahead of time which loads not to bring into our building. These loads of unrecoverable material would be hauled straight to the land-fill. Putrescible waste, water treatment sludge, residential, and demolition waste would all be disposed of directly.

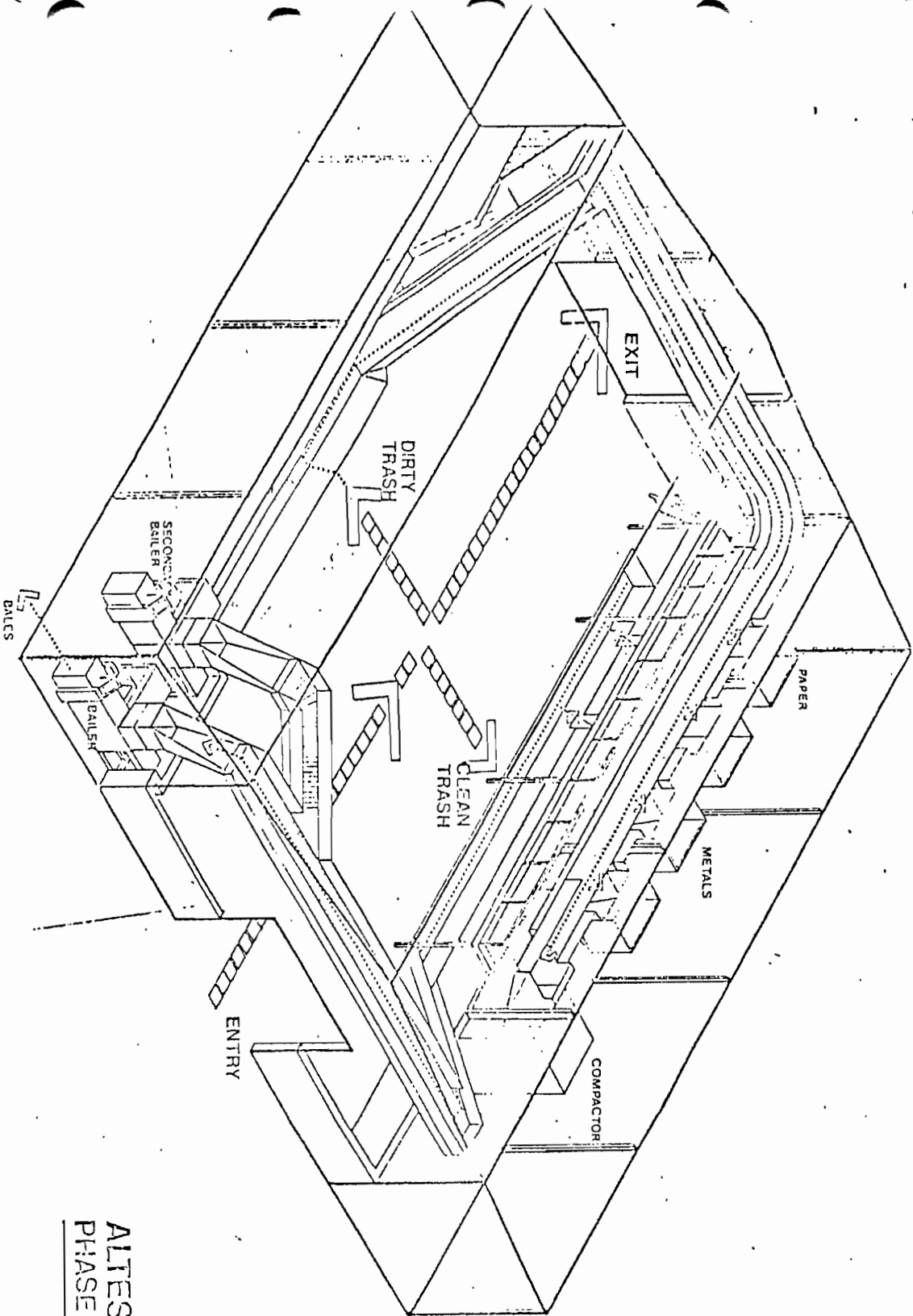
The compacted loads of dry corrugated make up about 3,500 cubic yards of the total 6,000 hauled. Around half of the loose open top waste is corrugated or about 1,500 cubic yards, if compacted. The front loader routes in Crawford County and Sequoyah County haul about 700 cubic yards of corrugated at 75 percent of their volume.

These loads listed above can easily be routed into our building, dumped close to a pit conveyor and pushed onto the metal conveyor evenly. Once the waste is elevated about 10 feet above the floor it will be dumped into a rubber narrow conveyor that is easy to reach across. Hand picking the metals and corrugated should be relatively easy. In the future we plan to shred the wood to sell as horse bedding.

- V. Across the country there are several experiments concerning resource recovery. All these experiments have failed due to a lack of consistency

in the waste stream. The waste stream must be homogeneous or any one given system will fail. Mass burn incinerators do not work because they dump loads of mud, glass, metal, or other noncombustibles on top of wood, plastic, or other highly combustible materials. The best alternative at this time is shredding and classification, however, many of these operations are blown up by paint thinner or gasoline explosions.

All experiments currently being conducted rely heavily on source separation and hand picking. These two key elements will be the front end and mainstay of our operation. After we get into operation we can add more people and machinery as economies of scale work out. We can experiment on a small scale to see if a product we pull out will justify the persons or machinery needed to do the job. If we find we can pull out more and make more money we will definitely do so.



ALTES REFUSE
PHASE I - TRANSFER STATION

AXONOMETRIC 1/8"=1'-0"

12-8-63

1. Name of Applicant Oscar E. Harris, Jr.
 Address Rt. 12, Box 592, Texarkana, AR 75502
2. Name of Facility Miller County Sanitary Landfill
3. Engineer/Firm Richard V. Hall, Hall Engineering Co.
 Address 403 E. 9th St., Texarkana, AR 75502
4. Pre-application Date 4/21/80 Application Date 10/21/80 Final 1/8/82
5. Site Location - General 3/4 mi. east of the AR-TX state lines, 6 mi. south of Texarkana
 Specific The E $\frac{1}{2}$ of the SE $\frac{1}{4}$ of Sec. 30, T16S, R28W Miller Co. - 15 acres used for SLP
6. Operation Trench type with liners and cover brought from a separate borrow area
7. Residences Within $\frac{1}{2}$ Mile Site located at Gifford Hill excavation area; less than 5 residences within $\frac{1}{2}$ mile. These are associated with the mining operations.
8. Water Supplies Within Vicinity Water well on site and one within $\frac{1}{4}$ mile.
9. Soils/Groundwater Sandy clay loams over silty clay. Outside borrow area is silty clay. Groundwater encountered at about 10 ft.
10. Drainage Sequence $\frac{1}{4}$ mile to Days Creek, then more than eight miles to the Sulphur River.
11. Hearing Date None Req. Dept. Represented N/A Remarks No public comment received after public notice issued Oct. 7, 1981.
12. Recommended Additional Permit Provisions Note additional conditions on attached sheet.
13. Summary Comments This is the second permitted facility for general municipal waste in Miller County.

Approval Recommended Yes* Engineer Mark Witherspoon Date 2/22/82
 *With recommended provisions.


ADDITIONAL CONDITIONS

12. (a) This permit shall expire when the approximate 15 acre disposal described in the final engineering plans has been filled to design capacity.
 - (b) Proper preparation of the site shall be supervised and reported in writing to the Department by a Registered Professional Engineer prior to placement of any waste in the landfill.
 - (c) A two (2) foot clay liner obtained from the approved borrow area will be placed in each trench as specified in the submitted engineering narrative. A Registered Professional Engineer will supervise this installation and submit a written report to this Department for each trench.
 - (d) A 30 day stockpile of clay liner material shall be maintained on the landfill site.
 - (e) Each of the three groundwater monitoring wells shall be analyzed quarterly during the first year of operation and twice annually thereafter unless more frequent monitoring is deemed necessary by the Department. Results shall be submitted to the Department after each analysis. The analysis shall include the following parameters: Cd, Fe, Pb, Zn, Mn, Chlorides, TDS, COD, pH, and total Hardness.
 - (f) As an adjunct to the additional conditions listed above, the permittee is reminded that the provisions of Condition #1 of this permit shall also be satisfied in the construction, operation, and maintenance of the landfill.
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ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

INTEROFFICE MEMORANDUM

TO: Messrs: John Ward
Ed Morris
Randall Mathis
Mark Witherspoon
Tony Morris

FROM:  Jim Bearden, Solid Waste Management Division

DATE: October 19, 1981

SUBJECT: Public Comment on Oscar Harris' SLF Permit
Application, Texarkana

This will advise that there have been no requests for a public hearing on the above captioned subject at the close of business, 5:00 p.m., this date.

Therefore, procedures should be initiated to include this application on the agenda of the next regular meeting of the Commission for permit consideration.

If you have questions, see me.

JB/mlw

cc: Jarrell Southall
Bob Blanz

