

Monsanto Company

Name of facility - Monsanto 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 one foot clay liner will be utilized as described in the engineering plans and narrative. Waste to be disposed of in this facility will be confined to only those waste streams listed in the narrative. The construction materials cell will be covered with a minimum of 1 foot of clay at least every two months.

City of Cabot

Name of facility - Cabot Sanitary Landfill #2

Additional Conditions - This permit shall expire when the approximate 8½ 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 one foot liner constructed of recompacted existing materials will be established in every trench.

COMMISSIONERS

[Signature]
[Signature]

[Signature]

Bill Wright for Bill Wright

[Signature]

[Signature]

SUBMITTED BY: John D. Ward

DATE PASSED: 3-27-81

PERMIT APPLICATION SUMMARY

1. Name of Applicant City of Cabot Address P.O. Drawer AD
Cabot, Arkansas 72023
2. Name of Facility Cabot Sanitary Landfill #2
3. Engineer/Firm Bill Staggs/Krist Engineers Address P.O. Drawer AD
Cabot, Arkansas 72023
4. Application Date pre-application 9/19/80. Application 12/5/80
5. Site Location 1½ miles north of Cabot's Community Building. Part of the SW¼ of
Section 6, T4N, R9W, Lonoke County.
6. Operation Trench type for municipal waste. This site is an extension of the
present operation.
7. Residences Within ½ Mile 5 residences within ½ mile. All on city water.
8. Water Supplies Within Vicinity Water wells present at above houses.
9. Soils/Groundwater Soils are generally clay and weathered shale with some sandstone
fragments. Trench liners will be required due to the added permeability
associated with the shales and boulders. Groundwater at about 9'.
10. Drainage Sequence Into a tributary of Four Mile Creek and eventually (35 miles)
into the White River.
11. Hearing Date N/A Dept. Represented _____ Remarks Public hearing not
required because same site as permitted before.
12. Recommended Additional Permit Provisions NOTE ADDITIONAL CONDITIONS ON ATTACHED
SHEET.
13. Summary Comments This is an extension of the existing permitted facility that
has reached its design capacity.
- Approval Recommended Yes Engineer Mark Witherspoon Date 3/16/81

PERMIT APPLICATION SUMMARY

12. ADDITIONAL CONDITIONS

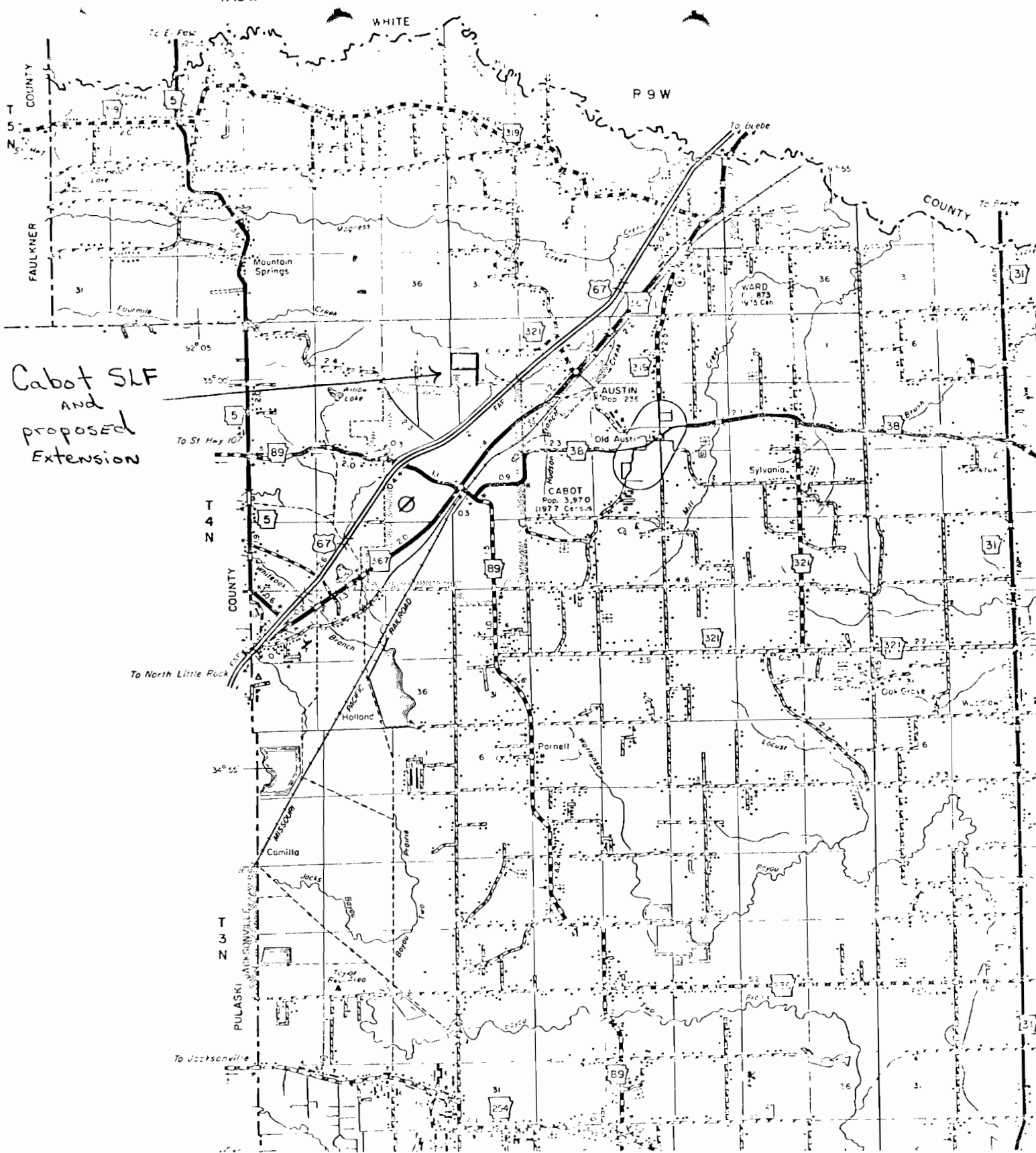
- (1) This permit shall expire when the approximate 8½ acre disposal area described in the final engineering plans has been filled to design capacity.
- (2) Proper preparation of the site shall be supervised and reported in writing to the Department by a Registered Professional Engineer prior to placement of any waste in the landfill.
- (3) A one foot liner constructed of recompacted existing materials will be established in every trench.
- (4) 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.

R 10 W

WHITE

P 9 W

Cabot SLF
AND
Proposed
Extension



T 4 N

T 3 N

PULASKI

To Jacksonville

To North Little Rock

To St. Hay 107

*

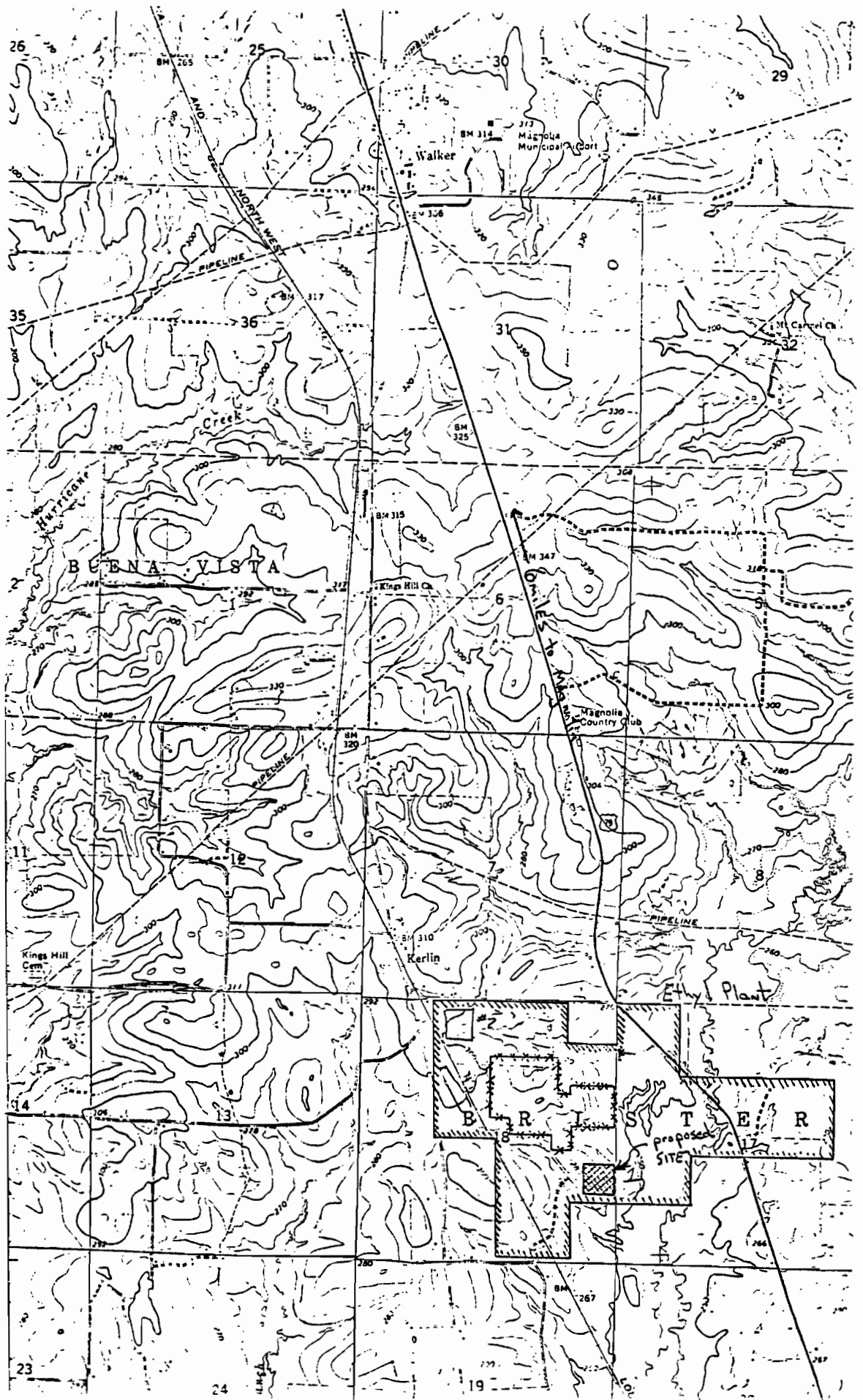
PERMIT APPLICATION SUMMARY

1. Name of Applicant Ethyl Corporation Address Post Office Box 729
Magnolia, AR 71753
2. Name of Facility Ethyl Landfill Site I
3. Engineer/Firm Renshaw & Associates
Fred Ozwald/Mehlburger, Tanner Address 201 South IZard
Little Rock, AR
4. Application Date Pre-application filed 7/30/80. Final application 1/30/81
5. Site Location On Ethyl plant site. 6 miles south of Magnolia, west of Highway 79.
Approximately 15 acres lying in the NE $\frac{1}{4}$, SE $\frac{1}{4}$, Section 18, Township 18 South,
Range 20 West in Columbia County, containing 15 acres.
6. Operation Progressive trench type.
7. Residences Within $\frac{1}{2}$ Mile 2 residences within $\frac{1}{2}$ mile, 1400 feet to nearest
residence.
8. Water Supplies Within Vicinity Two Ethyl water wells within $\frac{1}{4}$ mile. 3800 feet
to nearest private water well.
9. Soils/Groundwater Water table reported by Southwestern Laboratories to be from
9 - 13 feet.
10. Drainage Sequence 1200 feet to Horsehead Creek which eventually drains into
the Red River.
11. Hearing Date 3/4/81 Dept. Represented 3 Remarks See attached summary.
12. Recommended Additional Permit Provisions NOTE ADDITIONAL CONDITIONS ON ATTACHED
SHEET.
13. Summary Comments All waste streams to be disposed of in this landfill have been
carefully examined and are shown to be non-hazardous.
- Approval Recommended Engineer Mark Witherspoon *MW* Date 2/24/81

PERMIT APPLICATION SUMMARY

12. ADDITIONAL CONDITIONS

- (1) This permit shall expire when the approximate 15 acre disposal area described in the final engineering plans has been filled to design capacity.
 - (2) 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.
 - (3) Only the eleven waste streams listed in the engineering narrative will be accepted in the landfill.
 - (4) A one foot clay liner with a compaction factor of 90% proctor will be utilized and inspected by a Registered Professional Engineer as constructed.
 - (5) Non-putrescent waste as outlined (waste stream #1 only) in the engineering narrative will be covered once a week. All other waste will be covered daily.
 - (6) 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.
-



NOTICE OF PUBLIC HEARING

The Arkansas Commission on Pollution Control and Ecology will hold a public hearing at Magnolia City Hall Council Chambers at 7 p.m. on Wednesday, March 4, 1981. The hearing is being held to accept public comment on a application by Ethyl Corporation of P. O. Box 729, Magnolia, Arkansas, to operate a sanitary landfill on property owned by the Corporation within Columbia County. The City Hall is located at 306 North Jackson Street at Magnolia.

The proposed landfill consists of 15 acres of land located approximately six miles south of Magnolia and west of U.S. Highway 79, the property being described as follows: Part of the SE $\frac{1}{4}$, Section 18, Township 18 South, Range 20 West, Columbia County. The landfill would receive industrial wastes only from the Ethyl manufacturing and office wastes, totaling about 400 cubic feet per week in volume.

Oral comments will be accepted at the hearing, but, for the accuracy of the record, all comments on the application should be submitted in writing at the time of the hearing.

The Commission, after review of the application and all comments, is expected to consider the application at its regularly scheduled meeting at Little Rock on March 27, 1981.

Dated this 20th day of February 1981

Jarrel E. Southall, Director

Department of Pollution Control and Ecology



STATE OF ARKANSAS
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

8001 NATIONAL DRIVE
LITTLE ROCK, ARKANSAS 72209

501-371-1701 GEN OFFICE
501-371-1701 AIR DIVISION
501-371-1701 SOLID WASTE DIV
501-371-1701 WATER DIV
501-371-2130 BUS OFFICE

MEMORANDUM

TO: Solid Waste Files
FROM: Tony Morris *TM*
DATE: March 12, 1981
SUBJECT: Public Hearing for Ethyl Corporation
Sanitary Landfill

On Wednesday, March 4, 1981 a public hearing for the proposed Ethyl Corporation Sanitary Landfill was held at the City Hall in Magnolia, Arkansas. The hearing was called to order by Ed Holland at 7:00 p.m., and the public hearing notice was read by Mark Witherspoon. Ten people were present besides the representatives from Ethyl Corporation. Several people expressed concern about hazardous waste being disposed of in the facility. Mr. Witherspoon pointed out that the waste to be disposed of has been tested according to the Federal Register and determined to be non-hazardous. The design and operation of the landfill was explained to those present by Mr. Witherspoon. After thirty minutes there were no more public comments or statements and the hearing was closed.

TM/mlw

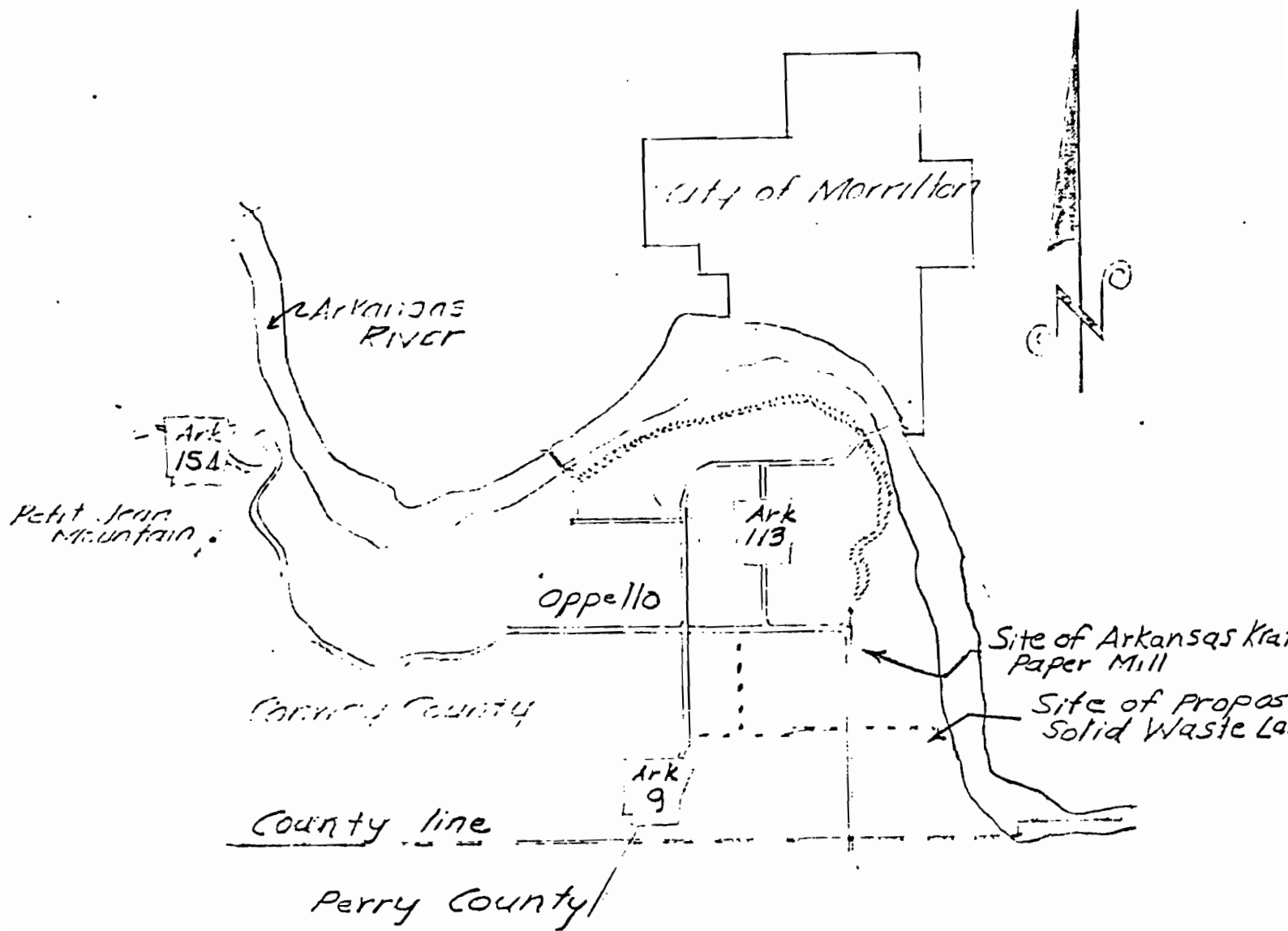
PERMIT APPLICATION SUMMARY

1. Name of Applicant Arkansas Kraft Corporation Address P.O. Box 711
Morrilton, AR 72110
2. Name of Facility Arkansas Kraft Sanitary Landfill
3. Engineer/Firm Edwin M. Read, Jr./Arkansas Kraft Address P.O. Box 711
Morrilton, AR 72110
4. Application Date Pre-application date 6/13/80. Application 1/26/81
5. Site Location South of the Arkansas Kraft plant, 3 miles south of Oppelo off
Highway 113. Part of the NW $\frac{1}{4}$, Section 17 and the NE $\frac{1}{4}$ of Section 18, T5N, R16W, in
Conway County. Consisting of 22 acres.
6. Operation Modified trench fill. Surface drainage is diverted off site by a
levee system. Leachate is diverted to a sump and pumped to the plant treatment
system. Cover is applied once a month.
7. Residences Within $\frac{1}{2}$ Mile Two residences about $\frac{1}{2}$ mile from site.
8. Water Supplies Within Vicinity City water goes to the above referenced residences,
but water wells are still used.
9. Soils/Groundwater Over 15 feet as determined by McClelland Engineers, Inc.
10. Drainage Sequence 1000 feet to the Arkansas River.
11. Hearing Date 3/9/81 Dept. Represented 3 Remarks _____
12. Recommended Additional Permit Provisions NOTE ADDITIONAL CONDITIONS ON ATTACHED
SHEET.
13. Summary Comments _____
- Approval Recommended XXX Engineer Mark Witherspoon Date 2/24/81

PERMIT APPLICATION SUMMARY

12. ADDITIONAL CONDITIONS

- (1) This permit shall expire when the approximate 22 acre disposal area described in the final engineering plans has been filled to design capacity.
- (2) 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.
- (3) Six inches of cover material shall be placed over the waste at least every thirty (30) days.
- (4) Final cover will consist of 24 inches of material of which no more than 50% of the final 12 inches is composed of primary clarifier sludge.
- (5) Only the waste outlined in the engineering narrative will be accepted at this site.
- (6) All leachate & surface water from the exposed waste will be collected and treated in the permitted Arkansas Kraft water treatment plant.
- (7) 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.

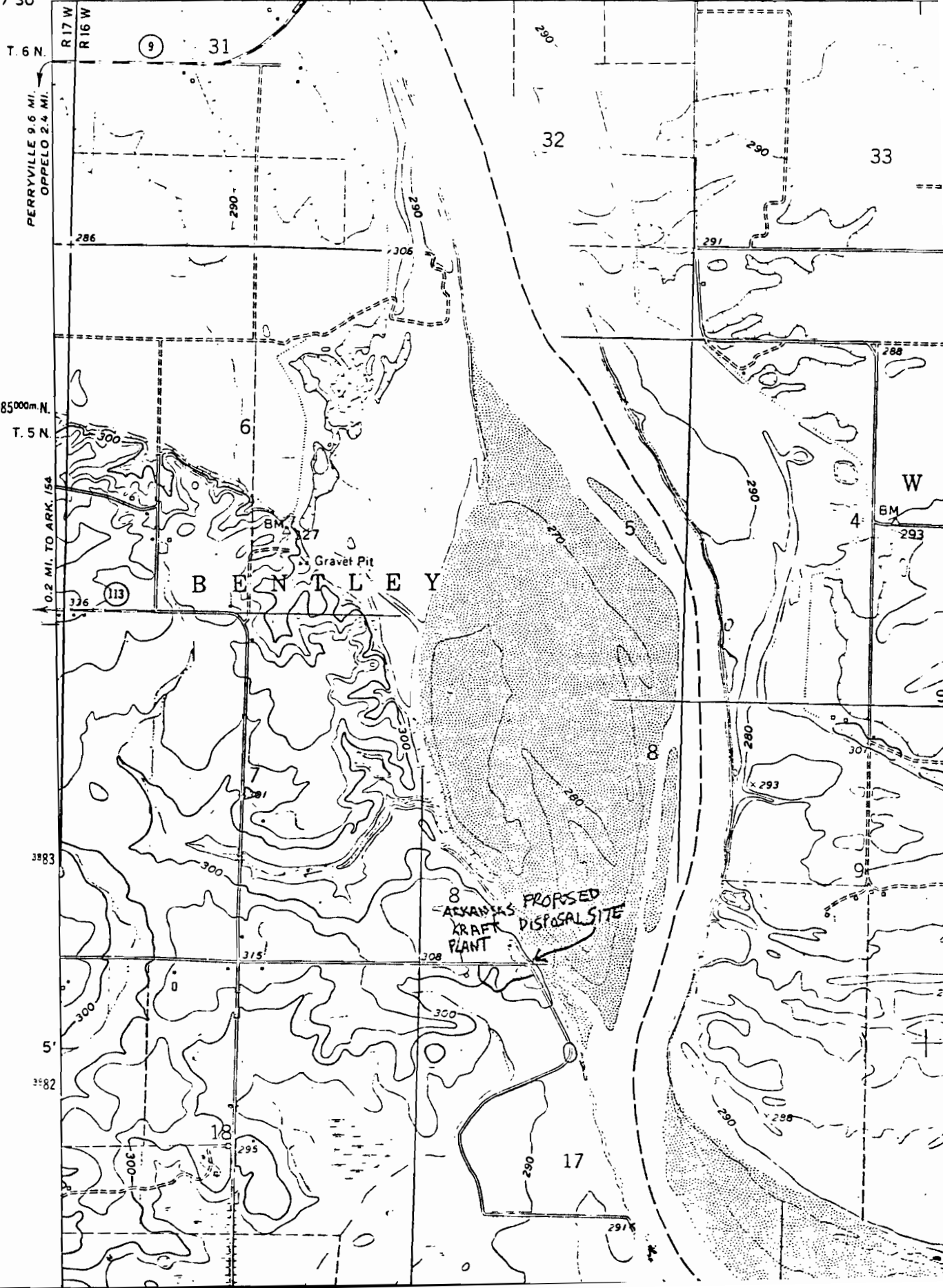


VICINITY MAP

75° 11' NE WEST
MORRILTON WEST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

92° 45' 35° 07' 30" 523000m E 39 MI TO U.S. 65 MORRILTON 2.8 MI 525 526 42' 30"



PUBLIC NOTICE

The Arkansas Commission on Pollution Control and Ecology will hold a public hearing at Morrilton at 7 p.m. on March 9, 1981, to receive public comments on an application by Arkansas Kraft Corporation to construct a landfill to receive industrial waste. The meeting will be held in the Conference Room at Arkansas Petit Jean Vo-Tech School, located on Highway 9 North.

The proposed landfill will be located on a county road off Highway 113, about 3 miles southeast of Oppelo, south of the Arkansas Kraft Corporation plant. About 22 acres of a 35-acre company-owned tract would be used as area fill to receive non-hazardous industrial waste, including woodyard and vending, at the rate of about 74.1 dry tons per day. The property is described as: Part of NW $\frac{1}{4}$ Section 17 and NE $\frac{1}{4}$ Section 18, T-5-N, R-16-W located in Conway County.

Oral comments will be accepted at the hearing, but for accuracy of the record, all comments on the application should be submitted in writing at the time of the hearing. The Commission, after review of the application and all comments, is expected to consider the application at the regular Commission meeting scheduled for March 27, 1981, at Little Rock.

Dated this 25th day of February

Jarrell E. Southall, Director

Arkansas Department of Pollution Control
and Ecology



Department of Pollution Control and Ecology

Solid Waste Control Division

phone call

discussion

field trip

conference

other (specify) *Public Hearing*

RECORD OF COMMUNICATION

TO: *Files:*

FROM: *J. Word*
SWAD

DATE: *3/10/81*

TIME: *9:30/2*

SUBJECT: *Arkansas Kraft Corporation
Industrial Waste Landfill - Morrilton, Arkansas*

SUMMARY OF COMMUNICATION *The writer conducted public hearing @ 7pm 3/9/81, @ Petit Jean Do-Deck School, Morrilton on the above subject with Mark Witherspoon as Geologist/Engineer. Six persons attended. The Department employees, to include district inspector, 2 employees Arkansas Kraft and a press representative from the Petit Jean County Headlight - Morrilton. No spoken opposition to the application contrary to Channel 4 coverage 6pm news 3/10/81.
Hearing meeting closed @ 7:45pm.*

(continue on reverse if necessary)

CONCLUSIONS, ACTION TAKEN OR REQUIRED

None - none necessary

INFORMATION COPIES

TO: *John Word - Permits
Ken Kirkpatrick - Deputy Director*

APPLICANT: Arkansas Kraft Corporation COUNTY: Cannaway

ROUTINE URGENT OTHER (specify) _____

in time for March commission meeting

ENVIRONMENTAL ENGINEER

INITIAL MW DATE 2/16/81 *how many miles*

COMMENTS Located 3 mi Southeast of Oppola, South of Arkansas Kraft Corporation on county road off Hwy. 113. (plant)

FORMATION OFFICE

INITIAL E.M.O. DATE 2-18-81

COMMENTS Classes are in session on Monday night - so the school will be open. If crowd is big, can use Student Center.

DATE 3-9-81 TIME 7 p.m. LOCATION Conference Room
Petit Jean 10-7th School
Hwy 9 N - Morrilton

SOLID WASTE DIVISION

INITIAL _____ DATE _____

COMMENTS _____

(turn to Permits Branch Office indicates process complete)



STATE OF ARKANSAS
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
8001 NATIONAL DRIVE
LITTLE ROCK, ARKANSAS 72209

501-371-1701 GEN OFFICE
501-371-1701 AIR DIVISION
501-371-1701 SOLID WASTE DIV
501-371-1701 WATER DIV
501-371-2130 BUS OFFICE

MEMORANDUM

TO: Solid Waste Files, Permit Files
FROM: Jim Bearden, Acting Chief, Solid Waste Division
DATE: March 10, 1981
SUBJECT: Arkansas Kraft Corporation Industrial Waste Landfill
Morrilton, Arkansas

The writer conducted a public hearing at 7:00 p.m. on March 9, 1981 at the Petit Jean Vo-Tech School, Morrilton on the above subject with Mark Witherspoon as Geologist/Engineer. Six persons attended; the Department employees, to include district inspector, 2 employees from Arkansas Kraft Corporation, and a press representative from the Petit Jean County Headlight - Morrilton.

No spoken opposition to the application contrary to Channel 4 coverage 6:00 p.m. news on March 10, 1981.

JB/mlw

Concur,
Mark
Witherspoon

PERMIT APPLICATION SUMMARY

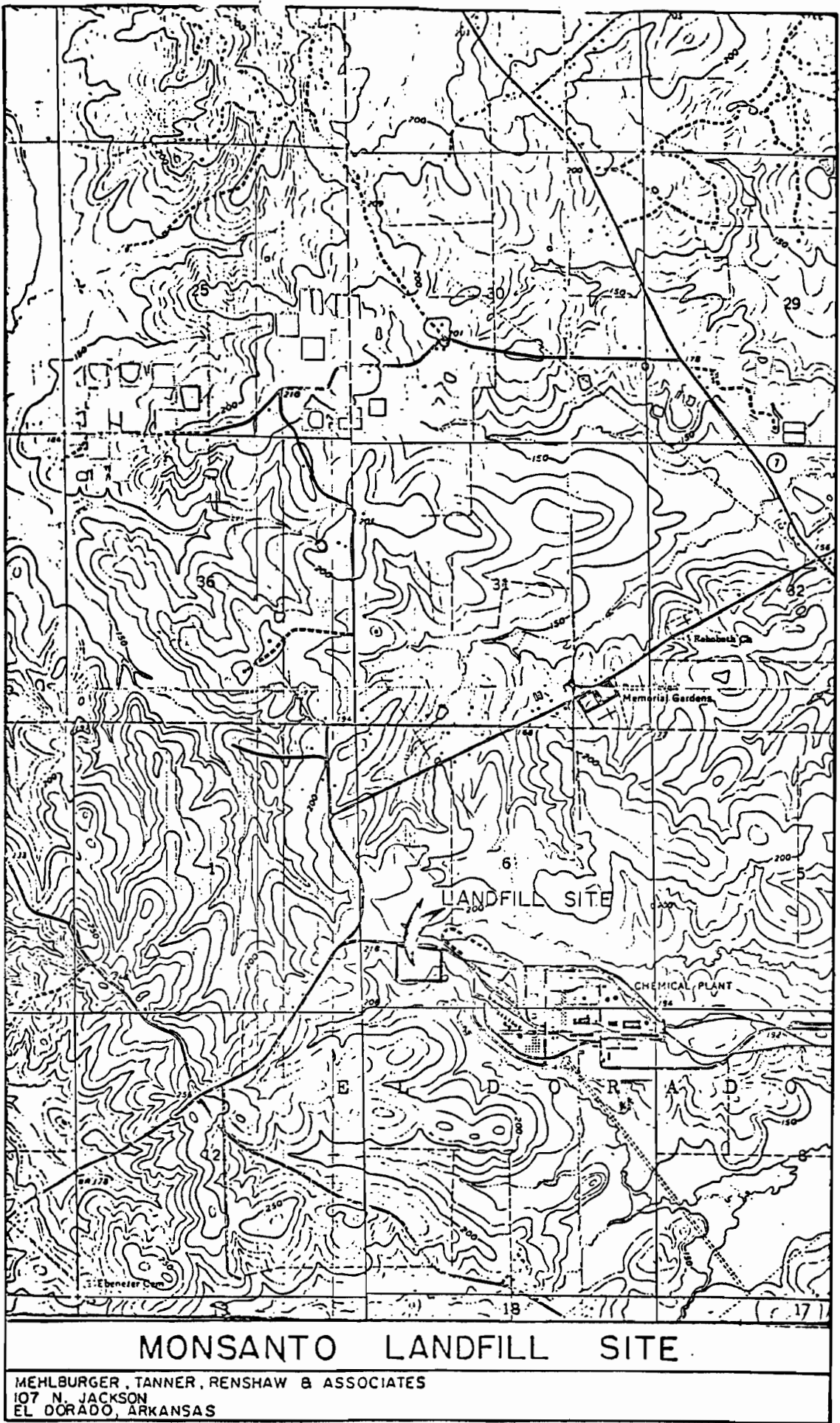
1. Name of Applicant Monsanto Company Address P.O. Box 231, El Dorado, AR
71730
2. Name of Facility Monsanto Sanitary Landfill
3. Engineer/Firm Bill Gaunt/ Renshaw & Assoc. Address Mehlburger, Tanner
107 North Jackson
El Dorado, AR 71730
4. Application Date Pre-application - 9/19/80 Application - 1/12/81
5. Site Location On Monsanto Plant property about one mile north of El Dorado. Part
of SW $\frac{1}{4}$, SW $\frac{1}{4}$ of Section 6, T17S, R15W, consisting of 15 acres.
6. Operation Progressive trench operation.
7. Residences Within $\frac{1}{2}$ Mile One resident 1400 feet from site.
8. Water Supplies Within Vicinity 300 ft. to Monsanto plant water well.
9. Soils/Groundwater Minimum water table 10 feet as determined by McClelland
Geotechnical Consultants.
10. Drainage Sequence 200 feet to intermittent stream that flows into Flat Creek and
eventually (about 6 Miles) into the Quachita River.
11. Hearing Date 3/5/81 Dept. Represented 3 Remarks No comments
received. See Public hearing attachments.
12. Recommended Additional Permit Provisions NOTE ADDITIONAL CONDITIONS ON
ATTACHED SHEET.
13. Summary Comments _____

- Approval Recommended Yes Engineer Mark Witherspoon Date 3/12/81

PERMIT APPLICATION SUMMARY

12. ADDITIONAL CONDITIONS

- (1) This permit shall expire when the approximate 15 acre disposal area described in the final engineering plans has been filled to design capacity.
- (2) 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.
- (3) A one foot clay liner will be utilized as described in the engineering plans and narrative.
- (4) Waste to be disposed of in this facility will be confined to only those waste streams listed in the narrative.
- (5) The construction materials cell will be covered with a minimum of 1 foot of clay at least every two months.
- (6) 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.



NOTICE OF PUBLIC HEARING

The Arkansas Commission on Pollution Control and Ecology will hold a public hearing at El Dorado, beginning at 7 p.m. on Thursday, March 5, 1981. The hearing is being held to accept public comment on an application by Monsanto Company of El Dorado to operate a sanitary landfill on property owned by the Company within Union County. The hearing will be held at the El Dorado High School Administrative Offices in the Board Room, 700 Columbia Street.

The proposed landfill site consists of 14.2 acres of land approximately one mile north of El Dorado, located between State Highways 7 and 335, the property being described as follows: Part of the Southwest Quarter of the Southwest Quarter of Sec. 6, T17S, R15W. About 11.5 acres of the property will be used for the landfill, which will receive about 200 tons of domestic wastes and five tons of industrial wastes (sulfur solids and asbestos waste from pipe insulation) each year. All wastes proposed for disposal at the landfill would be non-hazardous and would come from the Company's El Dorado facility.

Oral comments will be accepted at the hearing, but, for the accuracy of the record, all comments on the application should be submitted in writing at the time of the hearing.

The Commission, after review of the application and all comments, is expected to consider the application at its regularly scheduled meeting at Little Rock on March 27, 1981.

Dated this 23rd day of February 1981

Jarrell E. Southall, Director

Department of Pollution Control and Ecology

NOTICE OF PUBLIC HEARING

The Arkansas Commission on Pollution Control and Ecology will hold a public hearing at El Dorado, beginning at 7 p.m. on Thursday, March 5, 1981. The hearing is being held to accept public comment on an application by Monsanto Company of El Dorado to operate a sanitary landfill on property owned by the Company within Union County. The hearing will be held at the El Dorado High School Administrative Offices in the Board Room, 700 Columbia Street.

The proposed landfill site consists of 14.2 acres of land approximately one mile north of El Dorado, located between State Highways 7 and 335, the property being described as follows: Part of the Southwest Quarter of the Southwest Quarter of Sec. 6, T17S, R15W. About 11.5 acres of the property will be used for the landfill, which will receive about 200 tons of domestic wastes and five tons of industrial wastes (sulfur solids and asbestos waste from pipe insulation) each year. All wastes proposed for disposal at the landfill would be non-hazardous and would come from the Company's El Dorado facility.

Oral comments will be accepted at the hearing, but, for the accuracy of the record, all comments on the application should be submitted in writing at the time of the hearing.

The Commission, after review of the application and all comments, is expected to consider the application at its regularly scheduled meeting at Little Rock on March 27, 1981.

Dated this 23rd day of February 1981

Jarrell E. Southall, Director

Department of Pollution Control and Ecology



STATE OF ARKANSAS
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
8001 NATIONAL DRIVE
LITTLE ROCK, ARKANSAS 72209

501-371-1701 GEN OFFICE
501-371-1701 AIR DIVISION
501-371-1701 SOLID WASTE DIV
501-371-1701 WATER DIV
501-371-2130 BUS OFFICE

MEMORANDUM

TO: Permit Files

FROM: Tony Morris, Geologist, Permits Branch *T.M.*

DATE: March 12, 1981

SUBJECT: Summary of Public Hearing for Monsanto Corporation Sanitary Landfill

On Thursday, March 5, 1981, a public hearing was held at the El Dorado city schools administration offices for the proposed Monsanto Chemical Company sanitary landfill. The hearing officer was Mr. Ed Holland of the Arkansas Department of Pollution Control and Ecology. Also present were Tony Morris and Mark Witherspoon of the Arkansas Department of Pollution Control and Ecology; Tom Cummins, O.M. Lloyd, Larry Adams and Bill Gaunt represented the Monsanto Company. The hearing was called to order at 7:00 p.m. by Mr. Holland. There were no public comments or statements. At 7:05 p.m. the hearing was closed.