W C Fore Trucking Inc, Harry Frierson Pit

General Information

ID	Branch	SIC	County	Basin	Start	End
35877	Mining and Solid Waste Management	NONE SELECTED	Hancock	None	06/26/2007	

Address

Physical Address (Primary)	Mailing Address
Lower Bay Road Bay St. Louis, MS 39520	PO Box 3058 Gulfport, MS 39505

Telecommunications

Type	Address or Phone
Work phone number	(228) 469-0001

Alternate / Historic AI Identifiers

Alt ID	Alt Name	Alt Type	Start Date	End Date
35877	W. C. Fore Trucking, Inc., Harry Frierson Pit	Official Site Name	06/26/2007	

Regulatory Programs

Program	SubProgram	Start Date	End Date

Locational Data

Latitude	Longitude	Metadata	S / T / R	Map Links

6/27/2007 11:52:46 AM

W C Fore Trucking Inc, Harry Frierson Pit

Staff to AI Assignments

Name	Assignment
Sanders, Chris	Compliance, Management
Lavallee, Louis	Compliance, Staff
Lavallee, Louis	Enforcement
Warden, Billy	Permitting, Branch Manager
Williams, Ross	Permitting, Coverage Writer

Related People

Name	Relationship	Start Date	End Date
Frierson, Harry	Is Application Signatory for	06/26/2007	
Frierson, Harry	Is General Permit Contact For	06/26/2007	

Related Organizations

Name	Relationship	Start Date	End Date

6/27/2007 11:52:46 AM

STORM WATER INSPECTION

August 20, 2007

Chris Sanders OPC/ECED
Solid Waste and Mining

RE: Harry Frierson Mine

On July 25, 2007 I inspected the Harry Frierson Mine (**W.C. Fore Trucking, Inc. A1649)** in Hancock County. Storm water flows naturally. The area has not yet been mined. This is going to be a 90 acre open pit mine for Clay and Sand. Natural vegetation remains throughout the site. There was not any debris disposal at this location at the time of this inspection. There is not yet an office, scales, etc. at this location.

James Matheny
Environmental Scientist
Mining and Reclamation Division
EXT 5527

Enclosure

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY - MINING AND RECLAMATION DIVISION
INSPECTION REPORT

Operator:	W. C. Fore Trucking, Inc.			**Copy to Operator:**	Yes
Application/Permit #:	P07-022	**Acres:** 89	**Inspection Type:**	Initial	
Inspected By:	J.Matheny		**Date:**	07-25-2007	
Location of Operation:	Three tracts in irregular Sections 7, 13 and 14, Township 9 South, Range 16 West, Hancock County, Mississippi				
Mining Status:	Inactive				
Within Permit Limits?	Yes				
Mining Without Permit?	No				
Mining Within 300 Feet of Occupied Dwelling?	No				
Mining Within 100 Feet of Right of Way?	No				
Identification Sign:	Absent				
Monitor or Location Marker:	Absent				
Water Control:	Adequate				
Sediment Pond:					
Sediment Runoff:	Not Excessive				
Dam(s) to Pond(s) Present:					

AI 35877

MSR 32.1705

RECLAMATION

Progress:	Adequate	
Plan Filed:	September, 2019	
Plan Implemented:	3:1 slope; grass; lake	
Debris Disposal:	NOT YET MINING	
Slopes:	Proper	
Slope Condition:	natural Horizontal to	Vertical
Vegetative Cover:	Stable	
	Good	

Comments:

The operator must mark the boundaries of all 3 tracts. The operator must maintain a permit sign until final bond release. Reclamation appears to be feasible.

BR Status:

BR Recommendation:

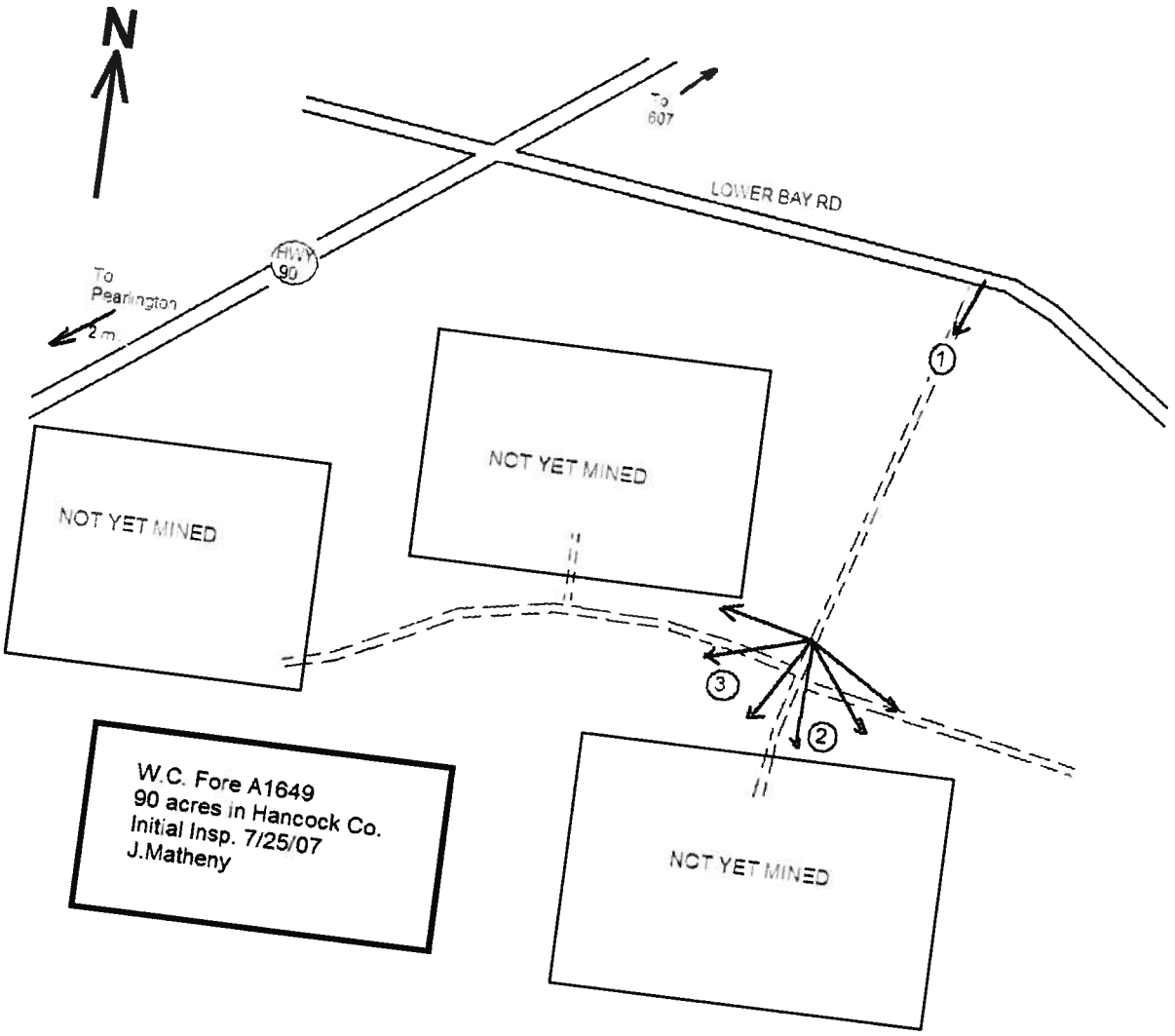
#1

#2

#3

W.C. Fore A1649

I072507JM


N
To
607
LOWER BAY RD
(HWY
90)
To
Pearlington
2 m.
NOT YET MINED
NOT YET MINED
1
2
3
W.C. Fore A1649
90 acres in Hancock Co.
Initial Insp. 7/25/07
J.Matheny
NOT YET MINED

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

August 20, 2007

Mr. Wallace C. Fore
W. C. Fore Trucking, Inc.
P. O. Box 3058
Gulfport, MS 39505

Dear Mr. Fore:

Enclosed is a copy of the initial inspection report for the area covered by Surface Mining Permit P07-022 in Hancock County Mississippi.

The operator must mark the boundaries of all 3 tracts. The operator must maintain a permit sign until final bond release. Reclamation appears to be feasible.

Sincerely,

James Matheny
Environmental Scientist
Mining and Reclamation Division

Enclosure

POST OFFICE BOX 20307 • JACKSON, MISSISSIPPI 39289-1307 • TEL: (601) 961-5500• FAX: (601) 961-5521 • www.deq.state.ms.us
OFFICE OF GEOLOGY
AN EQUAL OPPORTUNITY EMPLOYER

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

FILE COPY

August 9, 2007

Mr. Harry Frierson
W C Fore Trucking, Inc.
PO Box 3058
Gulfport, Mississippi 39505

Dear Mr. Frierson:

Re: W C Fore Trucking, Inc., Harry Frierson Pit
Hancock County
General Mining Stormwater Coverage. No. MSR321705

The information you have provided for the referenced facility indicates that there will be no storm water runoff to State waters. Only facilities with storm water discharges are required to have an NPDES permit. Therefore, according to the information you provided, storm water permitting is not needed for the above referenced facility. If conditions change at this facility, permitting will be required. The discharge of storm water that has come into contact with any part of the mining operation without the proper permit or permit coverage is a violation of State law.

Please contact me at 601-961-5040 if you have any questions or if I may be of further assistance on this or any matter.

Sincerely,

Michelle Vinson

Michelle Vinson
Solid Waste and Mining Branch, EPD

35877 GNP20070001

OFFICE OF POLLUTION CONTROL
POST OFFICE BOX 10385 • JACKSON, MISSISSIPPI 39289-0385 • TEL: (601) 961-5171 • FAX: (601) 354-6612 • www.deq.state.ms.us
AN EQUAL OPPORTUNITY EMPLOYER

AI#35877
GMP20070001

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

MINING NOTICE OF INTENT (MNOI) FOR COVERAGE UNDER MINING STORM WATER GENERAL NPDES PERMIT MSR32 1705

(Number to be assigned by State)

File at least 30 days prior to the commencement of mining; 15 days if a Storm Water Pollution Prevention Plan (SWPPP) is already on file. Lateral expansion of an existing mine that has storm water permit coverage does not require submittal of a new MNOI however, modification of the existing SWPPP to include the expansion is required. Also, according to 40 CFR 122.26 (b) (14) (iii), mining operations that do not discharge storm water contaminated by contact with any overburden, raw material, intermediate products, finished products, byproducts or waste products shall not be required to file a MNOI.

IS APPLICANT THE OPERATOR OR OWNER? (Circle one or both)

OPERATOR CONTACT PERSON: Harry Frierson

OPERATOR COMPANY NAME: W.C. Fore Trucking Inc.

OPERATOR STREET (P. O. BOX): P.O. Box 3058

OPERATOR CITY: Gulfport **STATE:** MS **ZIP:** 39505

OPERATOR TELEPHONE NUMBER (INCLUDE AREA CODE): 228-469-0001

(List owner if different than operator)

OWNER CONTACT PERSON:

OWNER COMPANY:

OWNER STREET (P. O. BOX):

OWNER CITY: **STATE:** **ZIP:**

OWNER TELEPHONE NUMBER (INCLUDE AREA CODE):

(Mine information)

NAME OF MINE: Harry Frierson Mine

STREET ADDRESS OR NEAREST NAMED ROAD: Lower Bay Road

MINE LOCATION: CITY: Bay St. Louis **COUNTY:** Hancock

(Mine information continued)

_____/4 OF _____/4 OF SECTION 7,13, 14, TOWNSHIP 9 South, RANGE 16 West

ATTACH A USGS QUAD MAP OUTLINING MINE LOCATION
(Maps can be obtained from the Mississippi Office of Geology. For information call 601-961-5523).

RECEIVING STREAM: No Discharge, However the closes stream is Mulatto Bayou

STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE: 1442

MATERIAL TO BE MINED: Sand and Clay

TOTAL ACREAGE (If modification, give original acreage, expanded acreage and total acreage): 90

DOES THIS MINE NEED A CORPS OF ENGINEERS WETLANDS (Sec. 404) PERMIT? NO

WILL HYDRAULIC DREDGING BE USED? (Y/N) N WASHING OF SAND/GRAVEL? (Y/N) N

LIST ANY: NPDES PERMIT NO. None STATE OPERATING PERMIT NO. _____

GEOLOGY PERMIT APPLICATION NO. _____ GEOLOGY PERMIT NO. _____

HAS A "NOTICE OF EXEMPT OPERATIONS" BEEN FILED WITH GEOLOGY? (Y/N) N

A Geology "Notice of Exempt Operations" or "Notice of Intent to Mine Class I or Class II Materials" must be filed before coverage will be granted under the mining storm water NPDES permit. For information on Office of Geology requirements call 601-961-5515.

ESTIMATED START DATE: 8/1/2007 END DATE: 8/1/2018

ATTACH A STORM WATER POLLUTION PREVENTION PLAN (SEE PERMIT FOR REQUIREMENTS)

IDENTIFY THE ASSOCIATION OR GENERIC SWPPP PREVIOUSLY SUBMITTED:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature[1] 4-21-07
Date Signed

Harry Frierson
Printed Name

Manager
Title

[1]This application shall be signed according to the General Permit, Part V.E., as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by either a principal executive officer, the mayor, or ranking elected official.
- Duly Authorized Representative

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

FILE COPY

July 13, 2007

Mr. Harry Frierson
W. C. Fore Trucking, Inc.
PO Box 3058
Gulfport, Mississippi 39505

Dear Mr. Frierson:

Re: W C Fore Trucking, Inc., Harry Frierson Pit
Hancock County, Mississippi
Coverage No. MSR321705

The Department of Environmental Quality (Department) has reviewed the Notice of Intent (NOI) and the Storm Water Pollution Prevention Plan (SWPPP) submitted for the above referenced proposed mining site and offers the following comments for your review and response:

1. The NOI indicates that there will be no discharge of storm water from the mining operations. The SWPPP indicates that the mining operations will be sloped such that storm water will flow into the mining operation. Please address the methods to be employed to route storm water from the material stockpile areas identified within the Office of Geology permit application and from the 30 acres of access roads. Please note that all storm water from all disturbed areas must be addressed by the NOI and SWPPP.
2. The surface mining application indicates that groundwater is present at 20 feet below ground surface and that the proposed mining site will terminate at 25 feet below ground surface. Please identify the method of mining operations which addresses groundwater infiltration into the proposed mining site.
3. The proposed mining operations are in areas that may impact wetlands or other jurisdictional waters. Please contact the Corps of Engineers, Mobile District at 251-690-2658 to obtain an official determination regarding wetlands or other jurisdictional waters impacted by the proposed mining operation.
4. Section 6.2 of the SWPPP indicates that "non-storm water discharges are exiting the facility." Please clarify the intent of this statement or provide a corrected page for insertion into the submitted SWPPP.
5. Section 8.5 of the SWPPP indicates that "Stockstill will submit the amended SWPPP to the MDEQ ..." Review of the SWPPP does not identify this person as being involved in the development, management or revision of the SWPPP. Please review this section and provide the information necessary to clarify this statement.

35877 GNP20070001

6. Review of the SWPPP did not indicate a method to obtain rainfall depth measurements at the site. Please review and revise the appropriate sections of the SWPPP to address rainfall measurements.

Upon receipt of this information, the Environmental Permits Division will continue the permitting process for your project. Please be advised the discharge of storm water without written notification of coverage or issuance of an individual National Pollutant Discharge Elimination System (NPDES) Storm Water Permit is a violation of state law.

If you have any questions regarding the application or the permitting process, please contact me at 601-961-5040.

Sincerely,

Michelle Vinson

Michelle Vinson
Environmental Permits Division

cc: Ken McCarley, Geology

Permit No. _____ STATE OF MISSISSIPPI Application No. A1649

SURFACE MINING PERMIT APPLICATION

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY / MINING & RECLAMATION DIVISION
P. O. Box 20307
Jackson, Mississippi 39289-1307
(601) 961-5515
Fax (601) 961-5521

For Office use only

Other permits required:	Y/N	Date
NPDES	___	___
State Operating Permit	___	___
Corps of Engineers	___	___
_____	___	___
_____	___	___

City/County approval
Required Yes ___ No ___
Received Date: _____
County _____
City _____

RECEIVED
2 6 2007
OFFICE OF GEOLOGY
DEPT. OF ENVIRONMENTAL QUALITY

A. General INFORMATION

1. Name of Applicant: W.C. Fore Trucking, Inc.
   Mailing Address: Post Office Box 3058, Gulfport, Mississippi 39505
   E-mail Address: _____
   Phone No. (228) 469-0001 Fax No. (228) 469-0003
   Authorized Representative Harry Frierson, Manager
2. Engineering Firm, Consultant, etc.: APEX Environmental Consultants, Inc.
   Mailing Address: 210 West Front Street, Suite 200, Hattiesburg, MS 39401
   E-mailing Address: bjones@apex-consultants.com
   Phone No. (601) 544-1477 Fax No. (601)544-1480
3. Name of Mine: Harry Frierson Mine Mine Supervisor: Harry Frierson
   Phone No. (228) 469-0001 Fax No. (228) 469-0003
4. Location of Operation (to nearest quarter-quarter section):
   7,13, & 14 (Section) 9S (Township) 16W (Range) Hancock (County)
5. Type of Application
   - ☒ Initial Permit for Operation
   - ☐ Amendment to Expand Operation
   - ☐ Amendment to an Existing Operation (not involving acreage change)
   - ☐ _____
6. Method of Operation
   - ☒ Open Pit ☐ Strip ☐ Dredge
   - ☐ Wash Operation, if so
     Water Source _____
     Wash System Type
     ☐ Closed system ☐ Open system
7. Number of acres to be Permitted:
   Excavation 60
   Haul roads, plant site, ponds, storage piles, etc. 30
   If this application is an amendment to expand an existing permit, number of additional acres to be
   TOTAL PERMITTED AREA 90 acres
8. Is the Permit Area located:

	Yes	No
a. within 100 feet of a public road?	___	X
b. within 100 feet of a cemetery?	___	X
c. within 300 feet of an occupied building?	___	X
d. within 200 feet of a property line	___	X

   If YES to a, b, c, or d, a letter must be filed with the Office giving permission from the owner or maintaining authority to mine within these distances to the subject property.
9. Materials to be Mined: Clay and Sand

10. Has the applicant applied for, or have, any other permits or licenses that pertain to this or any other mining operation? ☐ Yes ___ ☒ No ___

If "YES," list them in the space provided on page 5, or attach separate pages, and give the current status of each, including any violations or penalties.

B. MINING PROCEDURE AND ENVIRONMENTAL ANALYSIS

1. Description of materials:

Thickness of overburden (Topsoil **MUST** be stockpiled for use during reclamation)	1 ft.
Thickness of useable material	15-25 ft.
Total depth of excavation	25 ft.
Estimated annual production	60,000 tons

2. Anticipated Schedule (month/year)

Begin clearing	Aug / 2007
Begin mining	Sept. / 2007
Complete mining	Aug. / 2018
Begin reclamation	Sept. / 2018
Complete reclamation	Sept. / 2019

3. Depth to ground water: 20 ft.

4. How will dust be controlled?

☒ Water on haul roads

☐ _____

5. Types of erosion control structures that will be utilized.

☐ Settling ponds ☐ Drainage ditches
☐ Diversion berms ☐ Terraced slopes
☒ Active Mine work area will be slopped for no discharged _____

6. Describe the land to be affected by mining as it presently exists:

a. Land use Vacant b. Predominant vegetation Brush

7. Will explosives be used? ___ Yes ___X___ No

8. Is test-boring data available? ___ Yes ___X___ No

9. Are toxic material likely to be encountered at any time? ___ Yes ___X___ No

10. Will there be any discharge to local streams or other bodies of water? ___ Yes* ___X___ No

If any of questions 7-10 are answered "YES," provide additional information on page 5, or attach separate pages.

C. RECLAMATION PLAN

Note: It is suggested that the county NRCS office be consulted for specific recommendations on the following items.

1. Describe the soil handling technique for the reclamation phase if the operation:

☒ Topsoil segregated ☐ Mixed strata ☐ _____

2. Describe the protection method for the stockpiled topsoil.

☐ berm around the storage pile

☒ grass cover on the pile (recommended)

☐ stored under a cover

☐ _____

3. How will highwalls, standing faces, and banks be reduced to minimize erosion? (All highwalls must be sloped, minimum 3 horizontal to 1 vertical.)

☐ slopes will be terraced

☒ sloped to a gradient of 3 to 1

☐ blended with surrounding contours

☐ _____

4. What is the general plan for reclamation?

☐ reforestation

☒ establish grass cover

☒ pond or lake

☐ _____

5. What planting method will be used?

☐ broadcast seed ☐ mechanical seeding

☒ seeding by manual labor

☐ _____

_____

6. How will fertilizer and lime be applied and incorporated?

☐ harrowing ☒ broadcasting ☐ disking

7. Quantity of lime and fertilizer to be applied?

a. For initial planting

lime: 2 tons per acre

fertilizer: 13 - 13 - 13 (type) 500 pounds per acre

b. For successive years prior to 100% release

fertilizer: 13 - 13 - 13 (type) 500 pounds per acre

when: July (month)

8. Describe the planting schedule:

Tree or Seed Species	Tree spacing or lbs./acre	Planting Season
Bahia Grass	40	Early Summer

9. Will the area be mulched? ____ Yes X No If yes, rate per acre _____

Method of holding in place: ☐ crimped ☐ _____

10. How will the vegetation be maintained until the final bond release?

☐ watering

☒ mowing

times per year

approximate month(s) June, July, _____

☐ repairing gullies

☐ replanting eroded areas

☐ _____

11. How will debris be disposed of when the mine is finally closed? Not Applicable

☐ burying ☐ burning ☐ hauling away

12. Will a soil analysis be submitted for this site? ____ Yes X No
NOTE: available from the Cooperative Extension Service through the applicant's county Agent

13. Estimated cost per acre for reclamation of this site: $1000 (minimum of $500 per acre)

D. NAMES AND ADDRESSES OF PERSONS AFFECTED BY THIS OPERATION

1. Landowner(s) of area to be mined/leased

Name: W.C. Fore
Address: P.O. Box 3058
Gulfport, Ms 39505
Phone:

Name:
Address:
Phone:

2. Landowner(s) within 500 feet of the area

Name: Illinois Municipal Retirement
Address: 5 Piedmont Center #310
Atlanta, GA
Phone:

Name:
Address:
Phone:

Name: USA
Address: Attn. Ken Human
John C. Stennis Space Center
Building 1100
Stennis Space Center, MS 39529
Phone:

Name:
Address:
Phone:

3. Person(s) living on permit area

Name:
Address: NONE
Phone:

Name:
Address:
Phone:

I declare that I have knowledge of the facts presented in the preceding pages and in all of the items attached to this application; furthermore, I certify that they are true to the best of my knowledge.

6-21-07
Date

W.C. Fore
Signature

Harry Frierson
Printed Name

Manager
Title

E. ADDITIONAL COMMENTS

Item Number	Space for detailed answers to any of the previous items. Indicate item number to which the answers apply.

If more space is required, use full sheets of paper the same size as this page. Attach all sheets to this application.

F. ADDITIONAL REQUIREMENTS

The following described fee, documents and information, as required by the Mississippi Surface Mining and Reclamation Act, must be submitted to the Office of Geology before the application can be processed.

1. APPLICATION FEE: $100 plus $10 per acre. Maximum fee is $500.

2. CERTIFICATE OF INSURANCE: Must indicate that the applicant has sufficient liability insurance in an amount not less than $100,000/300,000 for Bodily Injury and $100,000 for Property Damage.

3. PERFORMANCE BOND: Must be at least $500/acre and not more than $2500 acre and is based on the applicant's estimate of the reclamation cost. The "TOTAL PERMITTED AREA" in A-7, page 1, is the number of acres to be bonded. A Certificate of Deposit may be substituted.

4. PROOF OF THE APPLICANT'S LEGAL RIGHT TO MINE: A lease, deed, or agreement that includes a legal description of the permit area. This includes city or county approval, if applicable. This must be notarized.

5. COMPLETED ORGANIZATION REPORT FORM MRD-1.

6. MAPS, AERIAL PHOTOGRAPHS, OR DRAWINGS of the mine area:

   A. On a USGS Topographic map (8 ½" x 11" photocopy of applicable portion of topographic map):

      Name of Topographic Map Logtown Quadrangle (See Figure 1 – Site Location Map)

      1. Locate water wells within 0.5 mile of the permit area. (See Figure 6 in Section 7)

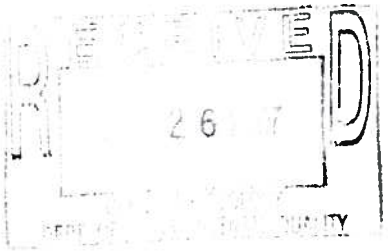
      2. Outline boundaries of both the permit area and the entire mine area (if different). (See Figure 1 in Section 7)

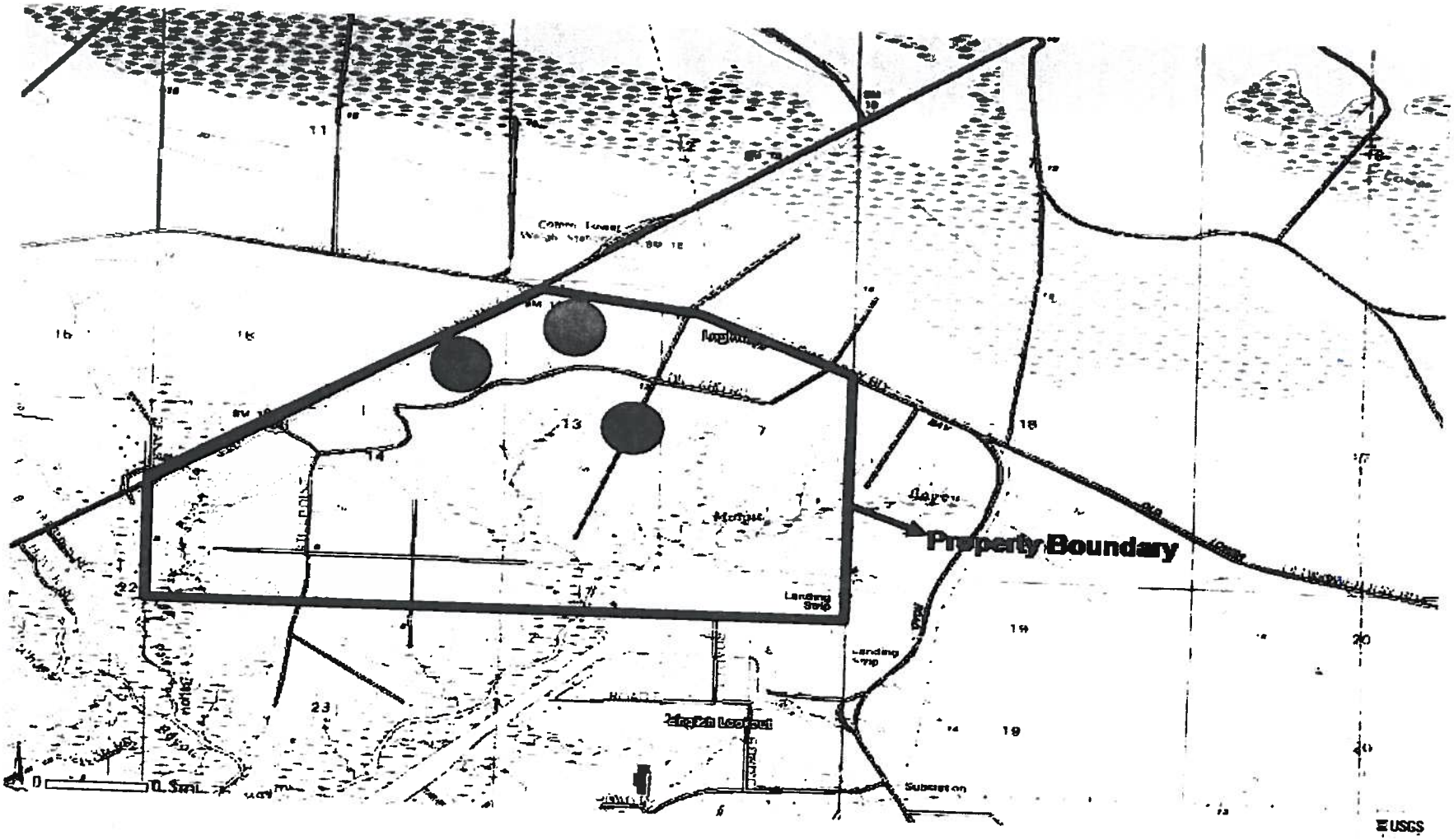
      3. Draw access to the nearest public road from the mine. (See Figure 3 in Section 7)

      4. Illustrate how surface drainage will be conducted or changed. (See Figure 3 in Section 7)

   B. Additional Drawings or Maps

      General site plan showing location of excavations, spoil piles, plant, etc. (8 ½" x 11") (See Figure 3 in Section 7)





Proposed Mining Area

Mining Area and Property Boundary are approximate

Site Map
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	1in=0.5mi	Figure:	1

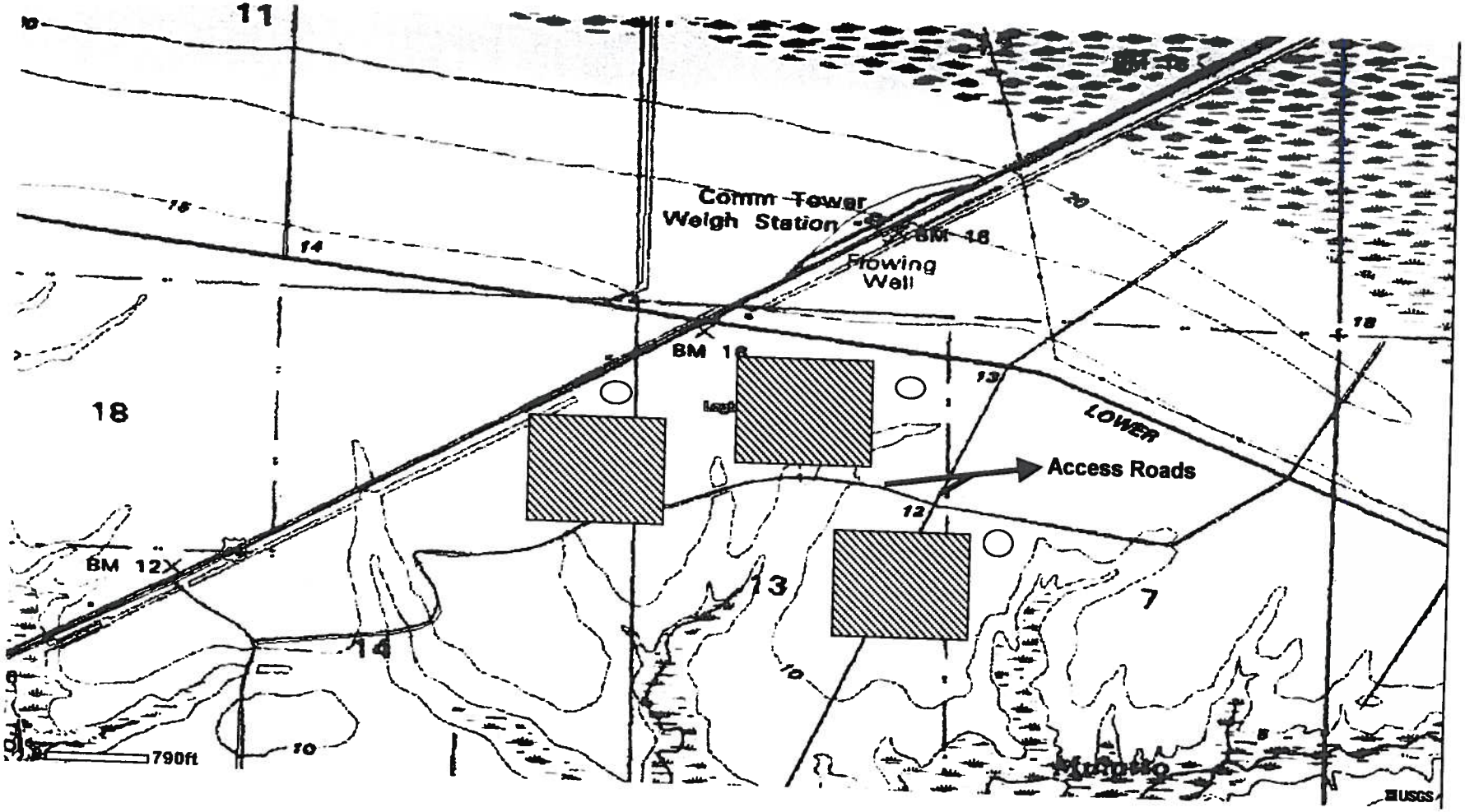
APEX

Aerial Photo
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Google Earth 2007

Date:	6/18/2007	Project #	friersonmine 07
Scale:		Figure:	2

APEX



NOTE: The Mine Operation will be conducted in a manner to create slopes to maintain stormwater in the mine. No stormwater will be discharge from the site.

Material Stockpile

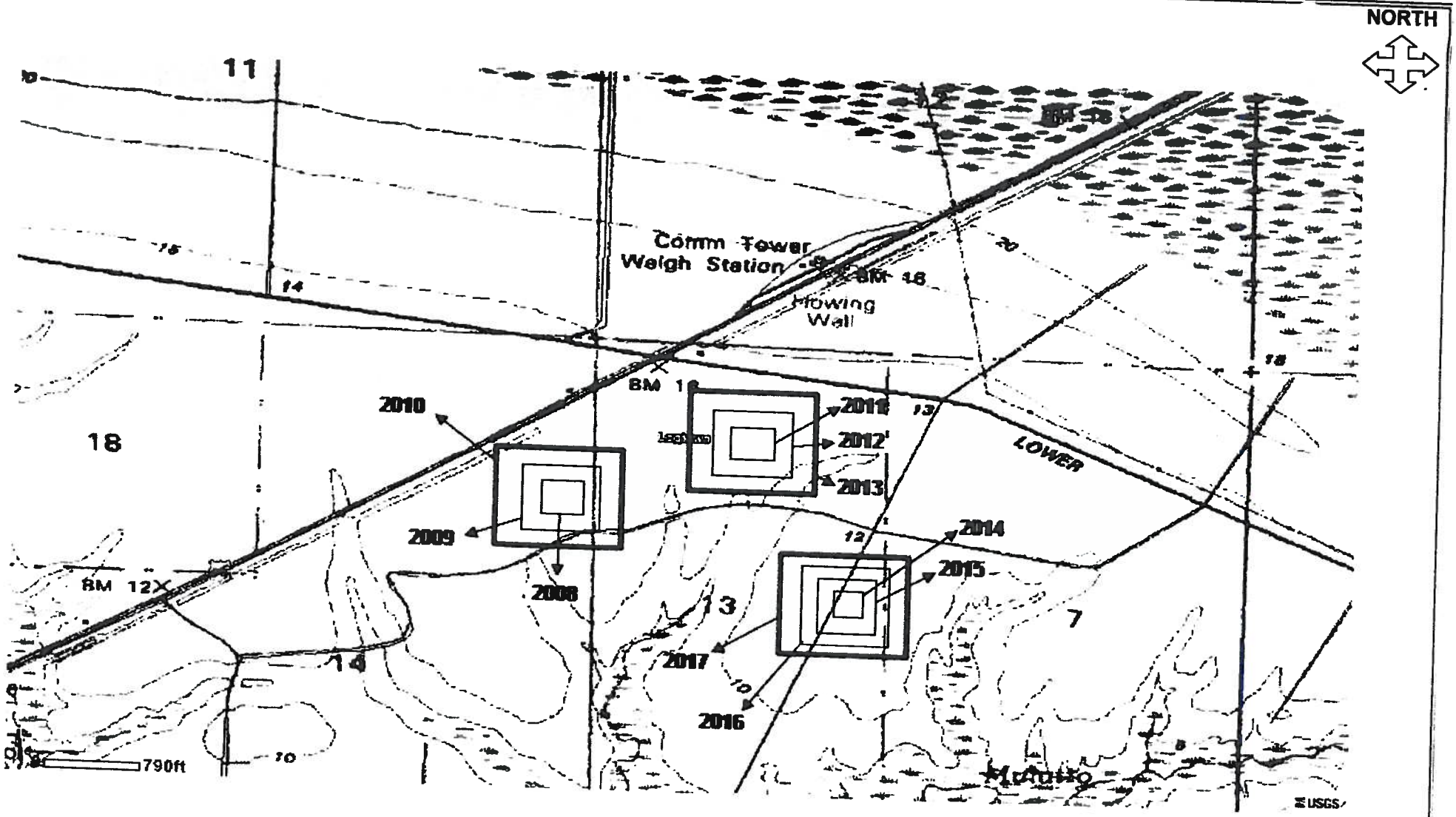
RECEIVED
JUN 26
OFFICE OF GEOLOGY

Mining Plan
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	see map	Figure:	3

APEX

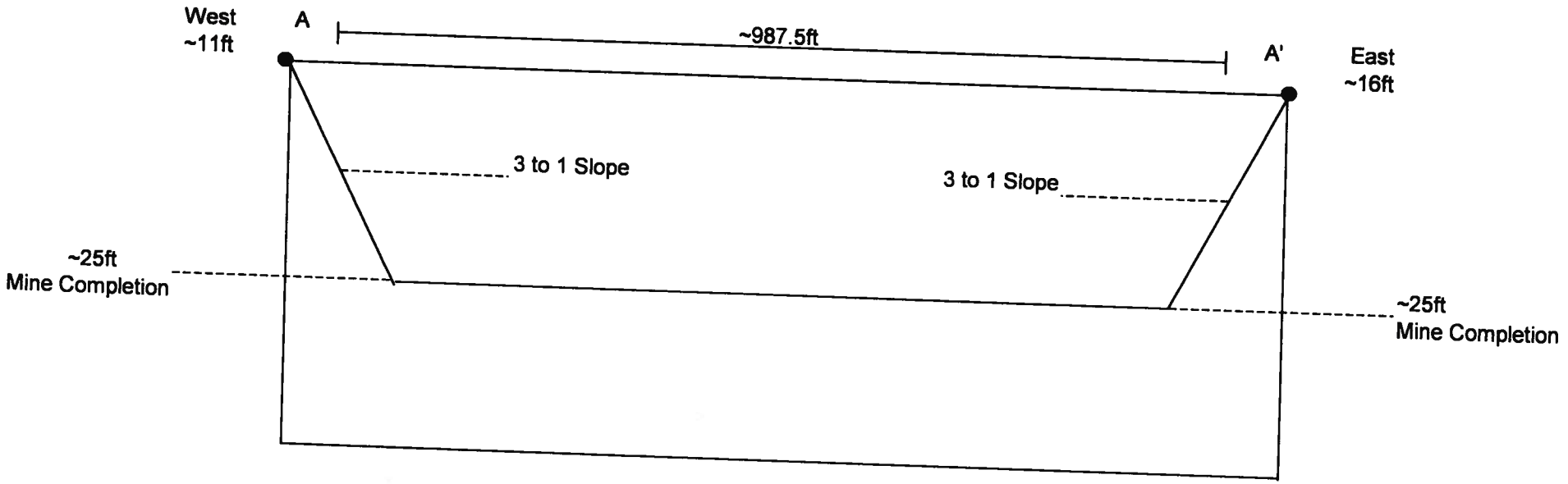


Mining Operation by Year
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	1in=790ft	Figure:	4

APEX



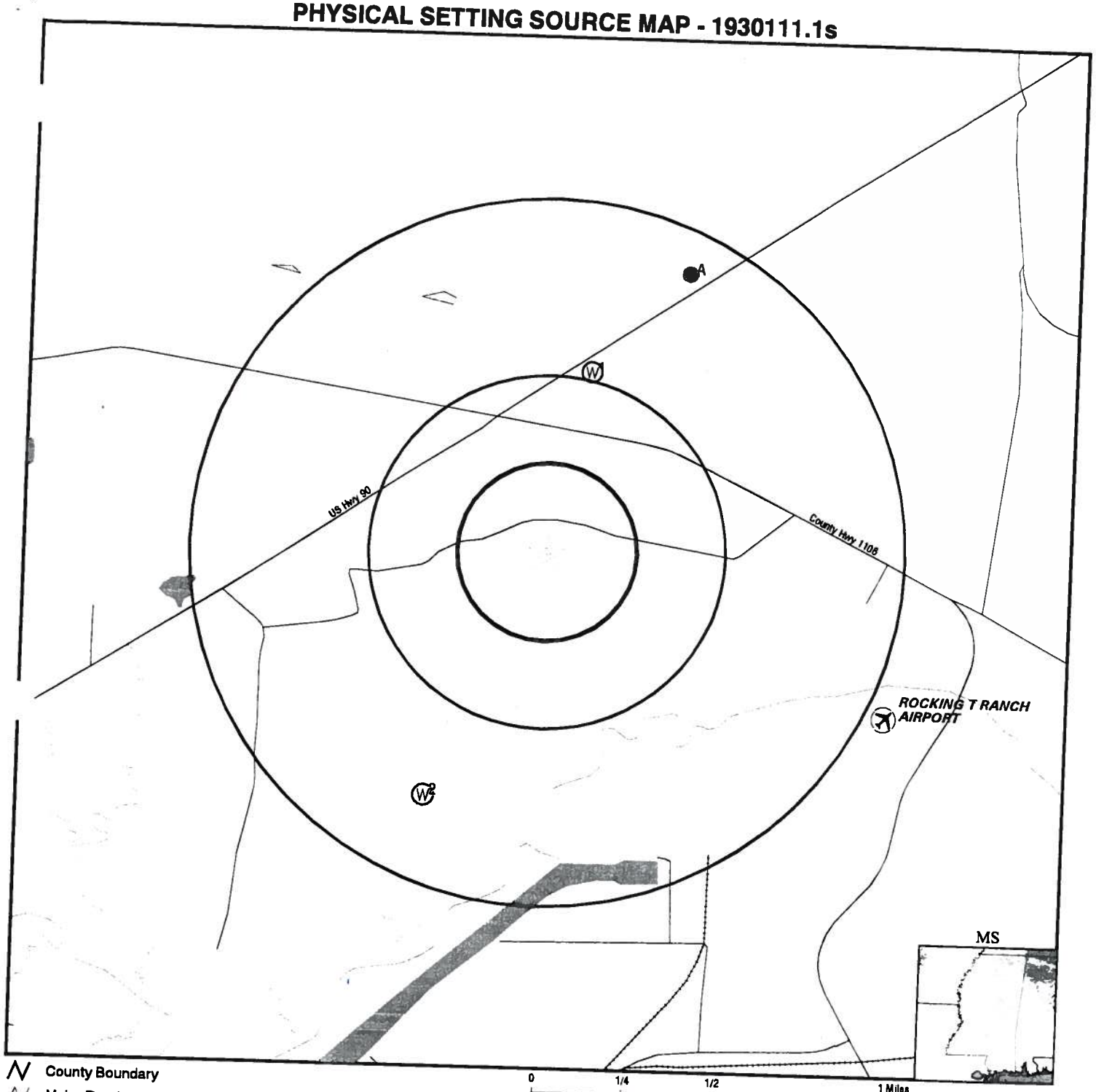
Cross Section
Mine Permit
Harry Frierson Mine
Lower Bay Road
Hancock County, MS

Reference:

Date:	5/3/2006	Project #	firersonmine 07
Scale:		Figure:	5

APEX

PHYSICAL SETTING SOURCE MAP - 1930111.1s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

SITE NAME: Harry Frierson Mine ADDRESS: Lower Bay Road Pearlington MS 39572 LAT/LONG: 30.2622 / 89.5577	CLIENT: Apex Environmental Consultants CONTACT: Bryan S. Jones INQUIRY #: 1930111.1s DATE: May 16, 2007 8:06 pm

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 NNE 1/2 - 1 Mile Higher	**FED USGS**	**USGS2400581**

Agency cd:	USGS	Site no:	301610089332101
Site name:	L0073 HANCOCK		
Latitude:	301610		
Longitude:	0893321	Dec lat:	30.2696397
Dec lon:	-89.5558878	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	28
State:	28	County:	045
Country:	US	Land net:	SWSES 12T09S R16W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	20.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Pearl. Louisiana. Mississippi. Area = 1810 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	GRAHAM FERRY FORMATION		
Well depth:	675	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	1956-06-19	Water quality data begin date:	1956-06-19
Ground water data begin date:	1956-06-19	Water quality data count:	1
Ground water data count:	36	Ground water data end date:	1972-04-20

Ground-water levels, Number of Measurements: 36

Date	Feet below Surface	Feet to Sealevel
1972-04-20	-3.80	
1971-10-22	-4.10	
1971-04-29	-4.20	
1970-07-22	-4.00	
1970-01-08	-4.00	
1969-08-20	-4.10	
1968-11-22	-4.00	
1968-04-11	-4.30	
1967-01-12	-4.20	
1966-03-30	-5.10	
1964-07-21	-5.70	
1963-04-23	-6.90	
1961-10-26	-7.80	
1960-11-01	-7.80	
1959-07-14	-8.20	
1972-01-13	-4.20	
1971-08-12	-3.90	
1970-10-22	-4.20	
1970-04-23	-3.90	
1969-10-09	-4.20	
1969-05-15	-4.30	
1968-08-07	-4.10	
1968-01-10	-4.30	
1966-07-06	-4.60	
1966-01-07	-6.20	
1964-05-18	-5.90	
1962-04-17	-7.90	
1961-04-19	-8.10	
1960-04-20	-8.20	
1958-12-10	-8.50	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1958-08-18	-8.60	
1957-06-17	-8.70	
1956-08-23	-8.40	
1957-11-13	-8.80	
1956-11-08	-9.10	
1956-06-19	-10.70	

2
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS2400660**

Agency cd:	USGS	Site no:	301507089334701
Site name:	L0101 HANCOCK		
Latitude:	301507		
Longitude:	0893347	Dec lat:	30.25214
Dec lon:	-89.56311	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	28
State:	28	County:	045
Country:	US	Land net:	NES 23T09S R16W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	6.00		
Altitude method:	Unknown		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Pearl. Louisiana. Mississippi. Area = 1810 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19850628
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	CITRONELLE FORMATION		
Well depth:	126	Hole depth:	210
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1985-06-28	Ground water data end date:	1985-06-28
Ground water data count:	1		

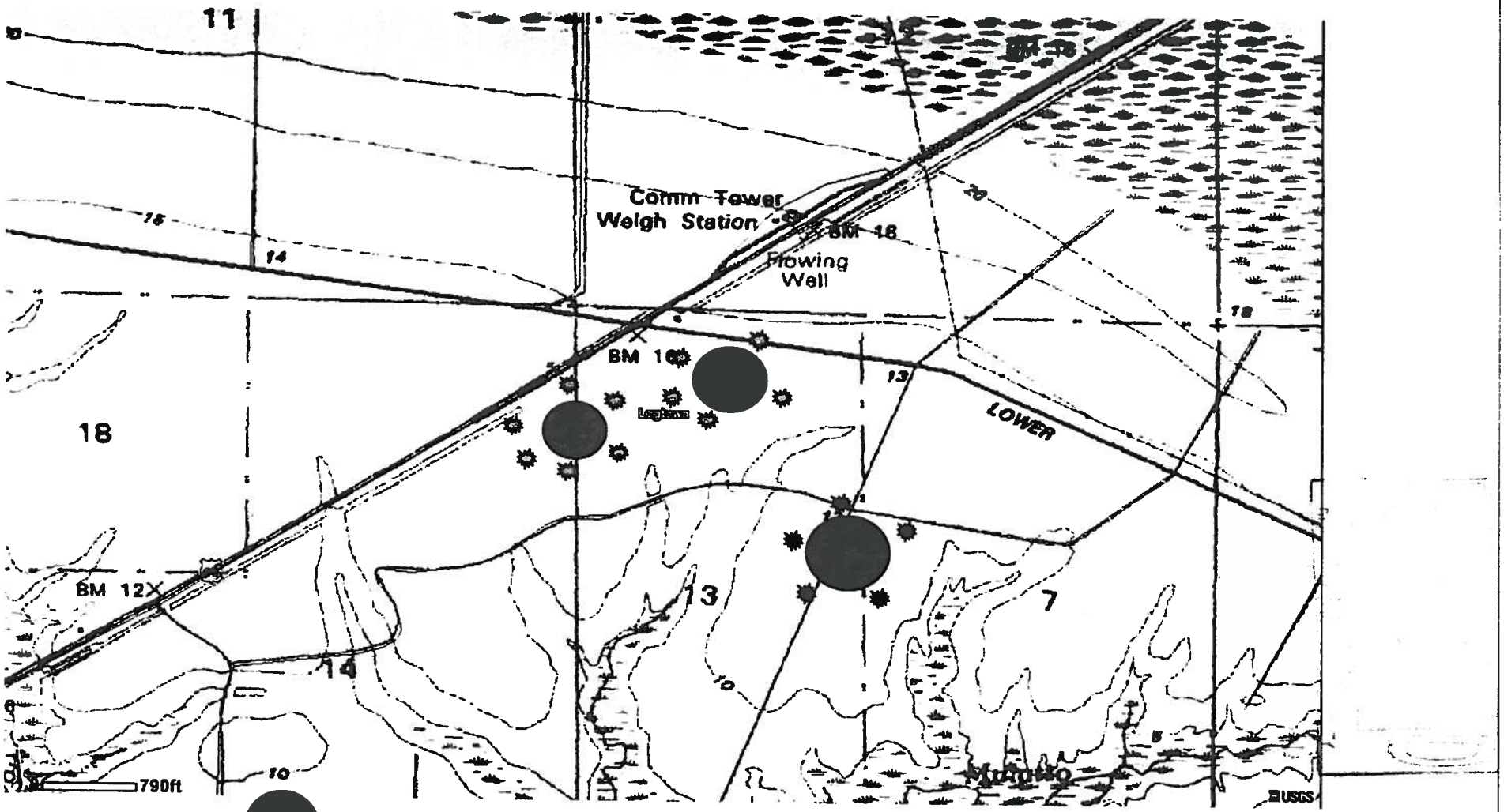
Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1985-06-28	30.00	

A3
NNE
1/2 - 1 Mile
Higher

MS WELLS **MSR1044846**

NORTH



3:1 Slope for sidewall and graded floor. Walls and floor w/grass. Ponds located as required

Reclamation Plan
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	see map	Figure:	7

APEX
ENVIRONMENTAL CONSULTANTS, INC.

Form MRS-13

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY
Mining and Reclamation Division
P. O. Box 20307
Jackson, Mississippi 39289-1307
(601) 961-5515

P U B L I C N O T I C E

Public Notice No. 1649
Application No. A1649

Date: July 12, 2007

TO WHOM IT MAY CONCERN:

The Office of Geology has received:

an Application for a Surface Mining Permit

pursuant to Sections 53-7-27 and 53-7-29 of the Mississippi Surface Mining and Reclamation Act of 1977, as described below:

APPLICANT: W. C. Fore Trucking, Inc.
P. O. Box 3058
Gulfport, MS 39505

LOCATION: Three tracts in irregular Sections 7, 13 and 14, Township 9 South, Range 16 West, Hancock County, Mississippi

DESCRIPTION: The applicant proposes to open pit mine 90 acres on three tracts to a depth of 25 feet for clay and sand. Sediment and erosion control will be controlled by diversion berms. Reclamation will consist of a lake surrounded by 3 to 1 grassed slopes.

This public notice is being distributed to interested persons and agencies to assist in developing facts on which a decision by the Office of Geology can be based. You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter. All agencies and persons shall have until July 27, 2007, to submit comments, recommendations, or evaluations to the Office of Geology. Comments by an agency shall include an enumeration of permits or licenses required under the agency's jurisdiction.

If further information is needed, an agency may be furnished a copy of the notice of intent or permit application. Any person may inspect the permit application as specified in Section 104 of the Rules and Regulations.

In the event comments are not received by July 27, 2007, the Office of Geology will consider that the agency has no comments, recommendations and/or evaluations that the agency deems necessary and proper based upon the effect of the proposed operation on matters within the agency's jurisdiction.

Permit No. _____ STATE OF MISSISSIPPI Application No. A1649

SURFACE MINING PERMIT APPLICATION

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY / MINING & RECLAMATION DIVISION
P. O. Box 20307
Jackson, Mississippi 39289-1307
(601) 961-5515
Fax (601) 961-5521

For Office use only

Other permits required:	Y/N	Date
NPDES	___	___
State Operating Permit	___	___
Corps of Engineers	___	___
_____	___	___
_____	___	___

City/County approval
Required Yes ___ No ___
Received Date: _____
County _____
City _____

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JUN 26 2007
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DEPT. OF ENVIRONMENTAL QUALITY

A. General INFORMATION

1. Name of Applicant: W.C. Fore Trucking, Inc.
   Mailing Address: Post Office Box 3058, Gulfport, Mississippi 39505
   E-mail Address: _____
   Phone No. (228) 469-0001 Fax No. (228) 469-0003
   Authorized Representative Harry Frierson, Manager
2. Engineering Firm, Consultant, etc.: APEX Environmental Consultants, Inc.
   Mailing Address: 210 West Front Street, Suite 200, Hattiesburg, MS 39401
   E-mailing Address: bjones@apex-consultants.com
   Phone No. (601) 544-1477 Fax No. (601)544-1480
3. Name of Mine: Harry Frierson Mine Mine Supervisor: Harry Frierson
   Phone No. (228) 469-0001 Fax No. (228) 469-0003
4. Location of Operation (to nearest quarter-quarter section):
   7,13, & 14 (Section) 9S (Township) 16W (Range) Hancock (County)
5. Type of Application
   - ☒ Initial Permit for Operation
   - ☐ Amendment to Expand Operation
   - ☐ Amendment to an Existing Operation (not involving acreage change)
   - ☐ _____
6. Method of Operation
   - ☒ Open Pit ☐ Strip ☐ Dredge
   - ☐ Wash Operation, if so
     Water Source _____
     Wash System Type
     ☐ Closed system ☐ Open system
7. Number of acres to be Permitted:
   Excavation 60
   Haul roads, plant site, ponds, storage piles, etc. 30
   If this application is an amendment to expand an existing permit, number of additional acres to be
   TOTAL PERMITTED AREA 90 acres
8. Is the Permit Area located:

	Yes	No
a. within 100 feet of a public road?	___	X
b. within 100 feet of a cemetery?	___	X
c. within 300 feet of an occupied building?	___	X
d. within 200 feet of a property line	___	X

   If YES to a, b, c, or d, a letter must be filed with the Office giving permission from the owner or maintaining authority to mine within these distances to the subject property.
9. Materials to be Mined: Clay and Sand

10. Has the applicant applied for, or have, any other permits or licenses that pertain to this or any other mining operation? ☐ Yes ___ ☒ No ___

If "YES," list them in the space provided on page 5, or attach separate pages, and give the current status of each, including any violations or penalties.

B. MINING PROCEDURE AND ENVIRONMENTAL ANALYSIS

1. Description of materials:

Thickness of overburden (Topsoil **MUST** be stockpiled for use during reclamation)	1 ft.
Thickness of useable material	15-25 ft.
Total depth of excavation	25 ft.
Estimated annual production	60,000 tons

2. Anticipated Schedule (month/year)

Begin clearing	Aug / 2007
Begin mining	Sept. / 2007
Complete mining	Aug. / 2018
Begin reclamation	Sept. / 2018
Complete reclamation	Sept. / 2019

3. Depth to ground water: 20 ft.

4. How will dust be controlled?

☒ Water on haul roads

☐ _____

5. Types of erosion control structures that will be utilized.

☐ Settling ponds ☐ Drainage ditches
☐ Diversion berms ☐ Terraced slopes
☒ Active Mine work area will be slopped for no discharged _____

6. Describe the land to be affected by mining as it presently exists:

a. Land use Vacant b. Predominant vegetation Brush

7. Will explosives be used? ____Yes __X__No

8. Is test-boring data available? ____Yes __X__No

9. Are toxic material likely to be encountered at any time? ____Yes __X__No

10. Will there be any discharge to local streams or other bodies of water? ____Yes* __X__No

If any of questions 7-10 are answered "YES," provide additional information on page 5, or attach separate pages.

C. RECLAMATION PLAN

Note: It is suggested that the county NRCS office be consulted for specific recommendations on the following items.

1. Describe the soil handling technique for the reclamation phase if the operation:

☒ Topsoil segregated ☐ Mixed strata ☐ _____

2. Describe the protection method for the stockpiled topsoil.

☐ berm around the storage pile
☒ grass cover on the pile (recommended)
☐ stored under a cover
☐ _____

3. How will highwalls, standing faces, and banks be reduced to minimize erosion? (All highwalls must be sloped, minimum 3 horizontal to 1 vertical.)

☐ slopes will be terraced
☒ sloped to a gradient of 3 to 1
☐ blended with surrounding contours
☐ _____

4. What is the general plan for reclamation?

☐ reforestation

☒ establish grass cover

☒ pond or lake

☐ _____

5. What planting method will be used?

☐ broadcast seed ☐ mechanical seeding

☒ seeding by manual labor

☐ _____

_____

6. How will fertilizer and lime be applied and incorporated?

☐ harrowing ☒ broadcasting ☐ disking

7. Quantity of lime and fertilizer to be applied?

a. For initial planting

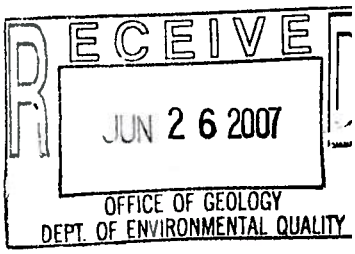
lime: 2 tons per acre

fertilizer: 13 - 13 - 13 (type) 500 pounds per acre

b. For successive years prior to 100% release

fertilizer: 13 - 13 - 13 (type) 500 pounds per acre

when: July (month)



8. Describe the planting schedule:

Tree or Seed Species	Tree spacing or lbs./acre	Planting Season
Bahia Grass	40	Early Summer

9. Will the area be mulched? _____ Yes X No If yes, rate per acre _____

Method of holding in place: ☐ crimped ☐ _____

10. How will the vegetation be maintained until the final bond release?

☐ watering

☒ mowing

times per year

approximate month(s) June, July, _____

☐ repairing gullies

☐ replanting eroded areas

☐ _____

11. How will debris be disposed of when the mine is finally closed? Not Applicable

☐ burying ☐ burning ☐ hauling away

12. Will a soil analysis be submitted for this site? _____ Yes X No
NOTE: available from the Cooperative Extension Service through the applicant's county Agent

13. Estimated cost per acre for reclamation of this site: $1000 (minimum of $500 per acre)

D. NAMES AND ADDRESSES OF PERSONS AFFECTED BY THIS OPERATION

1. Landowner(s) of area to be mined/leased

Name: W.C. Fore
Address: P.O. Box 3058
Gulfport, Ms 39505
Phone: _____

Name: _____
Address: _____
_____
Phone: _____

2. Landowner(s) within 500 feet of the area

Name: Illinois Municipal Retirement
Address: 5 Piedmont Center #310
Atlanta, GA
Phone: _____

Name: _____
Address: _____
_____
Phone: _____

Name: USA
Address: Attn. Ken Human
John C. Stennis Space Center
Building 1100
Stennis Space Center, MS 39529
Phone: _____

Name: _____
Address: _____
_____
_____
_____
Phone: _____

3. Person(s) living on permit area

Name: _____
Address: NONE
_____
Phone: _____

Name: _____
Address: _____
_____
Phone: _____

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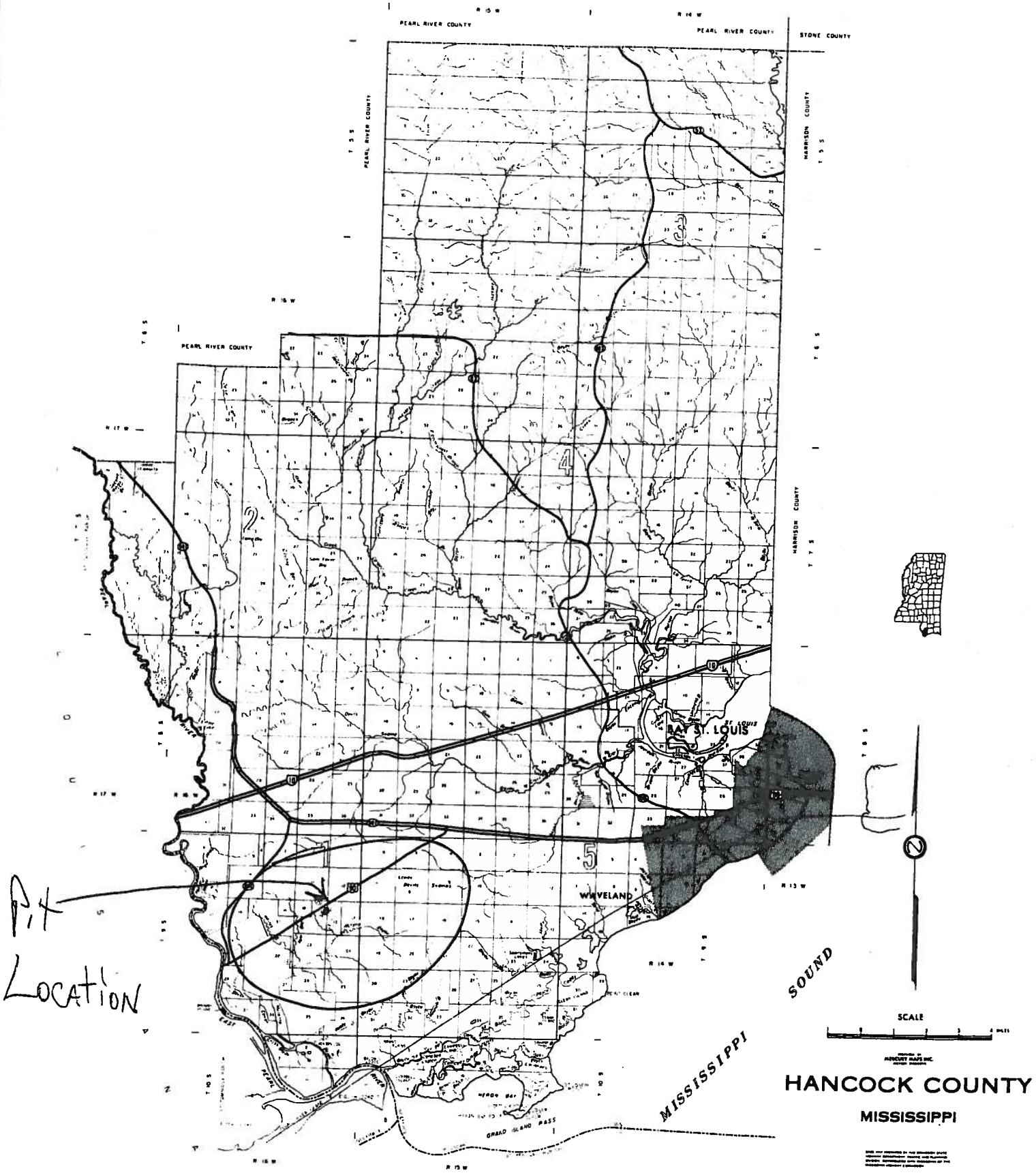
I declare that I have knowledge of the facts presented in the preceding pages and in all of the items attached to this application; furthermore, I certify that they are true to the best of my knowledge.

6-21-07
Date

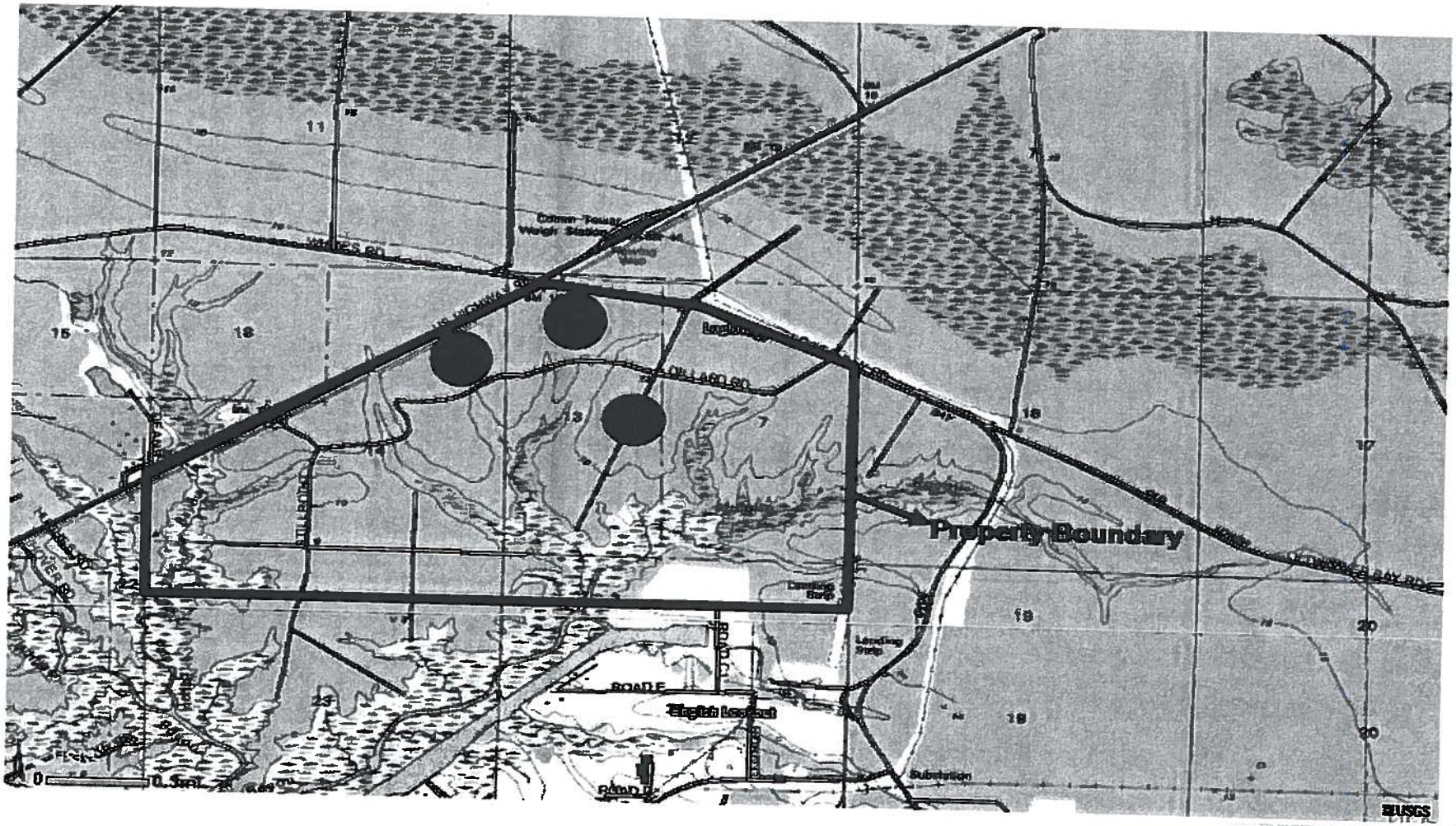
W C Fore
Signature

Harry Frierson
Printed Name

Manager
Title


PEARL RIVER COUNTY
PEARL RIVER COUNTY
STONE COUNTY
PEARL RIVER COUNTY
HARRISON COUNTY
PEARL RIVER COUNTY
HARRISON COUNTY
BAY ST. LOUIS
WAVELAND
MISSISSIPPI SOUND
GRAND ISLAND PASS
SCALE
HANCOCK COUNTY
MISSISSIPPI
Pit
Location

NORTH



Proposed Mining Area

Mining Area and Property Boundary are approximate

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Site Map

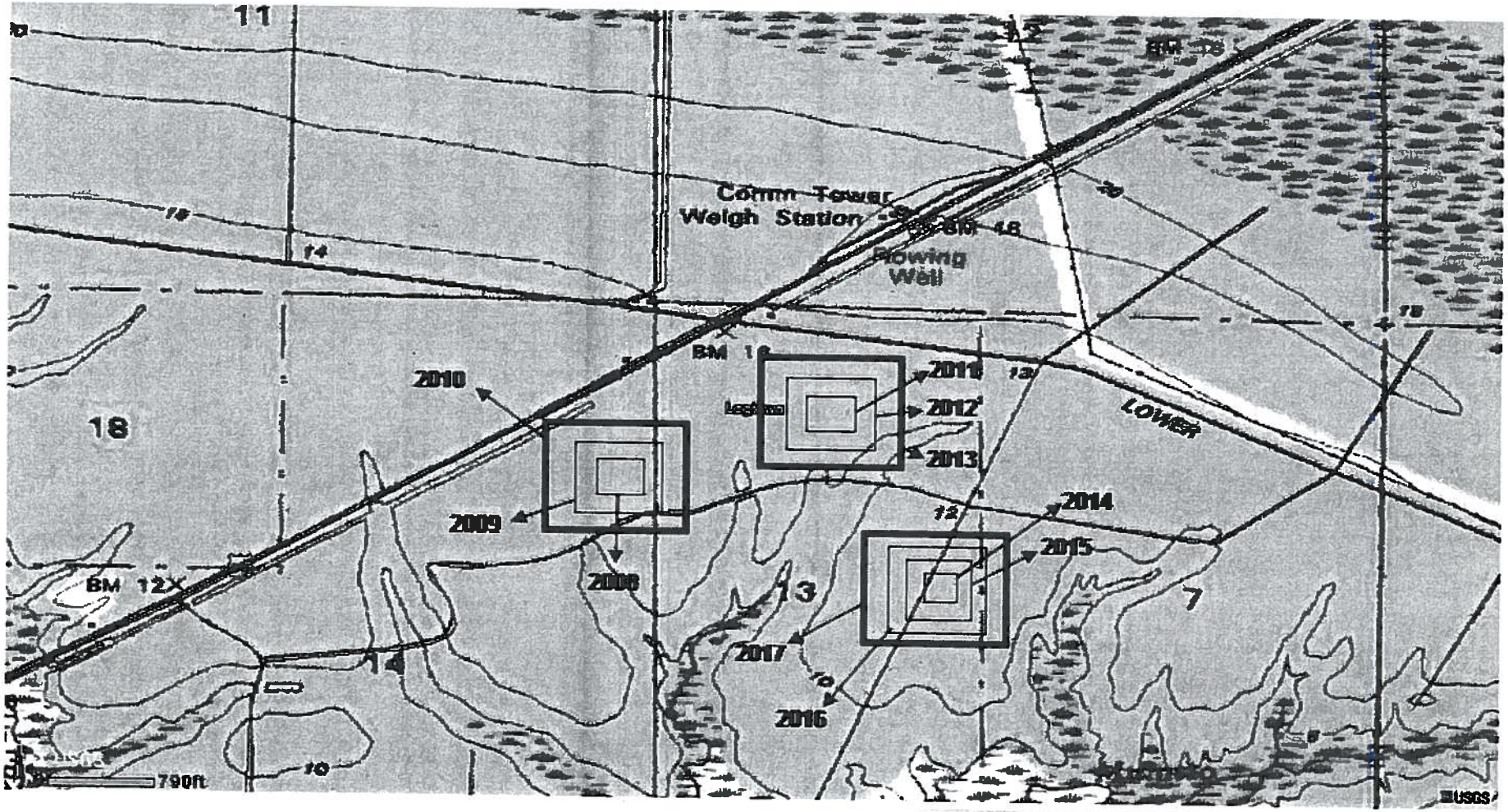
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	1in=0.5mi	Figure:	1

APEX

NORTH



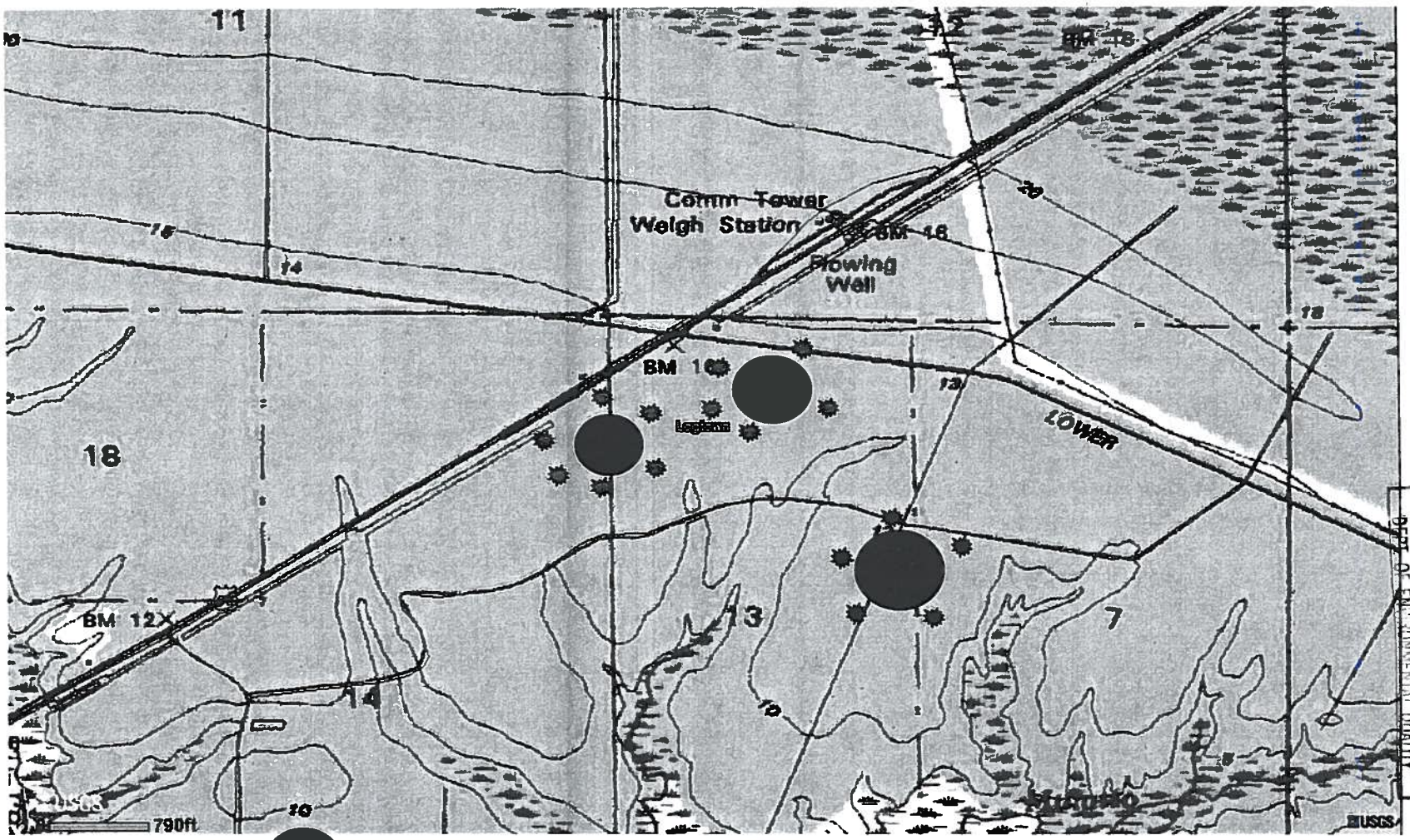
Mining Operation by Year
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	1in=790ft	Figure:	4

APEX

NORTH



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JUN 26 2007
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DEPT OF ENVIRONMENTAL QUALITY

Ponds

Grass

3:1 Slope for sidewall and graded floor. Walls and floor w/grass. Ponds located as required

Reclamation Plan
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	see map	Figure:	7

APEX
ENVIRONMENTAL CONSULTANTS, INC.

APEX ENVIRONMENTAL CONSULTANTS, INC.

July 26, 2007

Fed Ex Tracking No.: 8619 8467 0780

Michelle Vinson
Environmental Permits Division
Mississippi Department of Environmental Quality
2380 Hwy 80 West
Jackson, MS 39204

Jackson, Mississippi

RE: W.C. Fore Trucking, Inc., Harry Frierson Pit
Hancock County, Mississippi
Coverage No. MSR 321705

Dear Ms. Vinson:

APEX Environmental Consultants, Inc. (APEX) is submitting this letter in response to you correspondence dated July 13, 2007 regarding the Mining Application submitted for the above referenced site.

MDEQ Comments / APEX Environmental Consultants, Inc. (APEX) response

1. The NOI indicates that there will be no discharge of storm water from the mining operations. The SWPPP indicates that the mining operations will be sloped such that storm water will flow into the mining operation. Please address the methods to be employed to route storm water from the material stockpile areas identified within the Office of Geology permit application and from the 30 acres of access roads. Please note that all storm water from all disturbed areas must be addressed by the NOI and SWPPP.

   Response: These items are now addressed in Section 3.3 of the amended SWPPP. A copy of this page of the SWPPP is attached with this document.

2. The surface mining application indicates that groundwater is present at 20 feet below ground surface and that the proposed mining site will terminate at 25 feet below ground surface. Please identify the method of mining operations which addresses groundwater infiltration into the proposed mining site.

   Response: Mining will be terminated at 20 feet. Please modify the application to reflect a mining depth of 20 feet and note on the application the change is per request of Bryan S. Jones of APEX Environmental Consultants, Inc.

3. The proposed mining operations are in areas that may impact wetlands or other jurisdictional waters. Please contact the Corps of Engineers, Mobile District at 251-690-2658 to obtain an official determination regarding wetlands or other jurisdictional waters impacted by the proposed mining operation.

   Response: An Environmental Review that included a wetland determination was conducted in the proposed mining areas. A copy of this report is attached with this document.

4. Section 6.2 of the SWPPP indicates that "non-storm water discharges are exiting the facility". Please clarify the intent of this statement or provide a corrected page for insertion into the submitted SWPPP.

   Response: This statement has been corrected to state that no non-storm water discharges are exiting the facility. A copy of the section corrected is attached with this document.

5. Section 8.5 of the SWPPP indicates that "Stockstill will submit the amended SWPPP to the MDEQ…" Review of the SWPPP does not identify this person as being involved in the development, management or revision of the SWPPP. Please review this section and provide the information necessary to clarify this Statement.

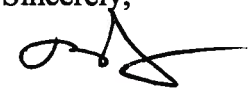
   Response: This section has been corrected to indicate Harry Frierson will submit the amended SWPPP to the MDEQ. A copy of the section corrected is attached with this document.

6. Review of the SWPPP did not indicate a method to obtain rainfall depth measurements at the site. Please review and revise the appropriate sections of the SWPPP to address rainfall measurements.

   Response: A rain gauge will be mounted on a post near the mining area. This statement has been placed in Section 8.3 of the SWPPP. A copy of this page is attached with this document.

If you should need any additional information, please contact me at 601-544-1477.

Sincerely,



Bryan S. Jones
APEX Environmental Consultants, Inc.

Attachments: Environmental Review
SWPPP Pages – Table of Content, 3, 12, 13

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Facility:

Harry Frierson Mine
Hancock County, Mississippi

Prepared for:

Harry Frierson

Prepared by:

APEX Environmental Consultants, Inc.
307 West Pine Street
Hattiesburg, MS 39401

Submitted:
June 18, 2007

TABLE OF CONTENTS

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1.0 INTRODUCTION

Federal regulations (40 CFR 122, 123, and 124) require the preparation of a permit application for storm water discharges associated with certain industrial activities in accordance with the National Pollutant Discharge Elimination System (NPDES). Regulatory applicability is determined by the specific description of the covered industry, or activity, or by the Standard Industrial Classification (SIC) code. The Harry Frierson Mine in Hancock County, Mississippi, is identified for coverage in the above cited guidance.

APEX Environmental Consultants was retained by Harry Frierson to develop a Storm Water Pollution Prevention Plan (SWPPP) for the Harry Frierson, Hancock County, Mississippi facility. The purpose of the SWPPP is to identify potential on-site sources of storm water pollution, describe best management practices (BMPs) or control measures for minimizing storm water pollution to offsite properties, ensure implementation of BMPs or control measures, and maintain compliance with the terms and conditions of the Baseline Storm Water General Permit. This SWPPP was prepared in accordance with the Mississippi Department of Environmental Quality (MDEQ) Mississippi SWPPP Guidance Manual for Industrial Facilities.

2.0 FACILITY DESCRIPTION

The Harry Frierson Mine is primarily engaged in the mining of Clay and Sand. The future operations in the process include truck loading and unloading, material storage, and material excavation. The site consists of approximately 90 acres. This SWPPP identifies the potential on-site sources of storm water pollution, describes BMPs or control measures for minimizing storm water pollution to offsite properties, ensures implementation of BMPs or control measures, and maintains compliance with the terms and conditions of the Baseline Storm Water General Permit.

3.0 SITE INFORMATION

3.1 Site Location

The Harry Frierson Facility is located off of Lower Bay Road in Hancock County, Mississippi. The Facility can be seen in Topographic Map with Site Boundary located in this document.

3.2 Site Characteristics

The Harry Frierson Facility encompasses approximately ninety (90) acres. The surface soils in the area of the subject property consist primarily of Clay. Clay typically produces a high amount of runoff. The land uses of the adjacent properties are undeveloped. Vehicular access to The Mine is restricted to the access roads located on subject property. All visitors are required to check in with site personnel before proceeding to other areas of facility.

3.3 Site Drainage

All areas surrounding the mining operation will be left undisturbed to provide a naturally vegetated buffer for storm water runoff. The work area of the mining operation will be sloped in a manner such that the storm water will be captured in the mining area and will not be discharged. In addition to sloping, silt fences and/or straw bails will be utilized as needed to prevent storm water runoff at the mining areas. Storm water runoff from the approximately 30 acres of access roads will be controlled by stabilization of roads and construction of drainage ditches adjacent to each access road. The drainage ditches for the access roads will have straw bail barriers every 500 feet down gradient to prevent sediment from reaching local streams.

4.0 POLLUTION PREVENTION TEAM

The Pollution Prevention Team is responsible for oversight, implementation, maintenance, and revisions to the SWPPP. Members of the Pollution Prevention Team are:

1. Harry Frierson
2. W.C. Fore

Specifically, team responsibilities include identifying pollutant sources and risk, choosing BMP's, implementing the BMP's, and assessing the SWPPP effectiveness. The team leader will keep up to date on all plant operations and assure that changes are made to the SWPPP, as needed.

5.0 POTENTIAL SOURCES OF STORM WATER POLLUTANTS

5.1 Narrative Description of Activities and Significant Materials

Potential sources of storm water pollution at The Harry Frierson Mine Site have been identified. Vehicular activity during loading and unloading of raw materials, fuel and oil storage are the most significant activities that lead to potential exposure to storm water at the facility. The operation of the facility utilizes gravel in vehicular areas and vegetation in other areas to minimize erosion. When improvements (leveling & grading) are made to the site, gravel, vegetation, hay bales, and silt fencing are utilized to minimize erosion. Contaminants such as oil, grease, and fuel may be present due to incidental leaks or spills from trucks and heavy equipment; however, the maximum flow anticipated from this type of release is expected to be insignificant. Aboveground storage tanks (fuel & oil) will be inspected routinely in accordance with 40 CFR Part 112 and as required by this plan. A description of exposed significant materials and existing best management practices (BMPs) are listed in Worksheets 2a and 3a.

5.2 Significant Spills or Leaks

Significant spills or leaks are defined by federal regulations as a release within a 24-hour period of a hazardous substance or oil in an amount equal to, or in excess of, a reportable quantity listed in 40 CFR Part 117 and 40 CFR Part 302. No significant spills or leaks have occurred at The Harry Frierson Mine Site prior to submittal of this SWPPP (see Worksheet 2b). Significant spills or leaks which could potentially occur in the future will be reported to the proper authorities in accordance with Federal Regulations. In such event, documentation shall include the following information, as appropriate:

- Date of spill;
- Weather conditions;
- Duration of spill;
- Cause of spill;
- Environmental problems created by spill;
- Response procedures;
- Parties notified;
- Recommended revisions to the SWPPP and operating procedures; and,
- Equipment needed to prevent recurrence.

SECTION 6 OF THE HARRY FRIERSON MINE SWPPP

6.0 NON-STORM WATER DISCHARGE CERTIFICATION

6.1 Potential Non-Storm Water Discharges

Federal law and the General Permit virtually prohibit all non-storm water discharges unless specifically permitted under an NPDES Permit.

6.2 Certification

As required by the General Permit, a Non-Storm Water Discharge Evaluation and Certification is included in Worksheet 2c. This form certifies that no non-storm water discharges are exiting the facility. Potential non-storm water discharges will be monitored during monthly site inspections, as well as, the annual evaluation.

7.0 STORM WATER MANAGEMENT CONTROLS

BMPs have been developed for The Harry Frierson Mine Site and have been implemented to minimize the potential release of pollutants into storm water discharging from the site. The BMPs were established based on risk identification, assessment, and material inventory of potential pollutant sources at the site.

7.1 Sediment and Erosion Control

Storm water runoff from all areas of the site will be maintain onsite. No Discharge will be made from the site.

7.2 Preventive Maintenance

The preventive maintenance program, which has been implemented at The Harry Frierson Mine Site, involves the inspection and maintenance of storm water management devices and the inspection of potential pollutant sources to preclude breakdowns, or failures, which could result in discharges of polluted storm water. Maintenance of storm water management devices, performed as part of this program, and other routine maintenance programs include the following:

- Cleaning accumulated sediment from conveyance systems;
- Clearing of debris from drainage culverts; and,
- Checking containment structures.

An inspection form related to the facility's preventative maintenance program is included in Appendix A.

7.3 Good Housekeeping

Good housekeeping practices are intended to keep the facility clean and orderly, thus minimizing the potential for contribution to storm water runoff. Good housekeeping involves the following categories:

- Operation and Maintenance;
- Material Storage; and,
- Material Inventory.

7.3.1 Operation and Maintenance

The following general practices are to be incorporated into The Harry Frierson Mine Site good housekeeping program:

- Regularly pick up and dispose of garbage, debris or waste material found in, and around, the facility;
- All equipment will be inspected once every month to ensure proper working condition; and,
- Inspections for leaks that could lead to discharges of oil or chemicals, or for conditions where storm water contacts raw materials, waste materials, or products, will be performed monthly.

7.3.2 Material Storage Practices

Should any containers be stored at the facility, the following proper storage techniques will be followed:

- Storage containers, and drums will be moved away from direct traffic routes to prevent accidental spills;
- Containers will be stored on pallets, or similar devices, to prevent corrosion of the containers which can result when containers come in contact with moisture on the ground; and,
- The responsibility of hazardous material inventory will be assigned to a limited number of people who are trained to handle hazardous materials.

7.3.3 Material Inventory Procedures

The following inventory procedures will be followed:

- All chemical substances present in the work place will be identified. Invoices for the previous year will be reviewed. All chemical substances used in the work place will be listed and material safety data sheets (MSDS) will be retained on file for each chemical;
- All containers will be labeled to show the name, type of substance, stock number, expiration date, health hazards, suggestions for handling, and first aid information; and,
- All hazardous waste materials and recyclable materials which require special handling, storage, use, and special consideration should be clearly marked on the container.

7.4 Spill Plans and Response Procedures

Material handling procedures and storage requirements for potential pollutants have been established as follows:

- Non-hazardous facility waste, which includes office paper, packaging materials, and

cardboard will be disposed of in a covered container located at the facility. The container will remain covered when not being filled or emptied, and will be emptied by an outside contractor as needed. Housekeeping measures will be performed to assure that the areas around the container are maintained.

Procedures for cleaning up spills, or releases, of potential pollutants are as follows:

- Personnel involved in the clean up shall take precaution to protect personal health and safety, as outlined in the MSDS for the spilled or released substance;
- All spills and releases of potential pollutants which could potentially contaminate storm water are to be completely contained upon discovery;
- The source of the spill will be identified and halted immediately;
- The spilled material will be cleaned up immediately, if possible;
- The spilled or released material and all disposable equipment, contaminated equipment will be disposed of in appropriate containers; and,
- Non-disposable equipment shall be decontaminated, or disposed of, in accordance with 40 CFR Parts 260-265.

In the event of a small localized spill, an employee will immediately pour non-combustible sorbent material on the affected area. Arrangements will be made for proper disposal according to 40 CFR Part 260-265.

Mine pollution prevention team member will be notified of any spills or releases. Spills, or releases, which are not fully contained will be reported to the appropriate agency or agencies which are listed in Appendix B. Records of spills or releases will be documented on Worksheet 2b.

7.5 Employee Training

Effective management of storm water pollution will require all facility staff to be familiar with those conditions that may cause pollution. Furthermore, day-to-day proper use of BMPs by all employees is essential for the success of the SWPPP. Harry Frierson, is the designated Pollution Prevention Team Leader (PPTL) for The Harry Frierson Mine Site and will be responsible for implementation of the guidelines established in the SWPPP.

The PPTL will be responsible for employee training at The Harry Frierson Mine Site in Hancock County, Mississippi. Training objectives will consist of: 1) spill prevention and response, 2) good housekeeping practices, 3) material management practices, and 4) other general BMPs. Training will be conducted on an annual basis, and the information will be reviewed with new employees during their employee orientation. Regular feedback regarding the implementation and maintenance of the storm water management practices should be obtained from operations staff by the PPTL. In addition, the PPTL will annually evaluate the effectiveness of the training program and make improvements to promote employee awareness.

7.6 Visual Site Inspections

The PPTL will perform monthly visual inspections of facility equipment and material handling areas for evidence of pollutants entering the drainage system, and verify the description of potential pollutant sources and implementation of management controls. The following areas will be inspected:

- Material storage areas;
- Waste receptacles;
- Shipping and receiving areas;
- Vehicle parking areas; and,
- Storm water outfalls.

A log of all inspections will be maintained at the site, containing the following information:

- Date of inspection;
- Name of inspector;
- Problems observed; and,
- Corrective actions taken or needed, identifying the personnel responsible for implementing the action, and the time frame in which the corrective action is to be implemented.

The results of the visual site inspection will be recorded on copies of the form provided in Appendix-A. The following guidelines may be used to aid in the inspection:

Did the inspector observe any of the following:

- Broken or cracked secondary containment, foundations, walls, or roofs designed to prevent storm water from reaching stored materials;
- Corroded drums or drums without covers or plugs;
- Leaking or corroded pipes, valves, fittings, hoses, pumps, tanks;
- Leaking or overfilled waste containers; and,
- Evidence of pollutants at outfalls.

8.0 NON-NUMERICAL LIMITATIONS, INSPECTIONS, RECORD KEEPING, AND REPORTING

8.1 Storm Water Discharge Limitations

Storm water will be free of:

- Debris, oil scum, and other floating materials other than in trace amounts;
- Eroded soils and other materials that will settle to form objectionable deposits in receiving streams;
- Suspended solids, turbidity, and color at levels inconsistent with receiving streams; and
- Chemicals in concentrations that would cause violation of state water quality criteria in receiving streams.

8.2 Annual Site Evaluations

In addition to monthly visual inspections, the general permit requires that a comprehensive site compliance evaluation be conducted at least annually. The objective of the evaluation is to assess the overall effectiveness of the SWPPP, and to modify, or improve, the SWPPP, as needed. The inspection report form can be found in the Storm Water Baseline General Permit. Findings documented from monthly visual inspections will be considered as part of the annual site evaluation. The annual inspection will address the following elements:

- Determine if pollution prevention measures are accurately identified in the plan and are in place and working;
- Inspect outfalls for evidence of pollutants which may adversely affect the receiving stream;
- Verify and update potential pollutant sources;
- Document findings;
- Modify or update site map to reflect current conditions; and,
- Complete needed SWPPP modifications.

8.3 Rainfall

A rain gauge will mounted on a post near the mining areas. Rain volumes will be recorded after each rain event.

8.4 Record Keeping

Records obtained during monthly visual inspections and the annual site evaluation will be retained onsite for a minimum of three (3) years after the date of the inspection. The PPTL will be responsible for implementing record keeping procedures.

8.5 Reporting

The Inspection Report and Certification Form for SWPPP Evaluation will be submitted annually, and postmarked no later than 28th day of January. The report forms will be submitted to the MDEQ at the following address:

Chief, Environmental Compliance and Enforcement Division
Office of Pollution Control, Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

In the event of anticipated, or unanticipated, noncompliance with the Storm Water General Permit requirements the following procedures will be followed:

- Anticipated Noncompliance - The owner or operator will give at least ten (10) days advance warning to MDEQ, if possible, before any planned noncompliance with the permit; or

- Unanticipated Noncompliance - The owner or operator will notify MDEQ orally within twenty-four (24) hours from the time that he, or she, becomes aware of unanticipated noncompliance. A written notice will be provided to the MDEQ within five (5) working days of the time that he, or she, becomes aware of the circumstances. The written report must describe the cause, exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence of the noncompliance and if the noncompliance has not ceased, the anticipated time for correction.

8.6 Annual SWPPP Update

Based upon the findings of the annual site evaluation, W.C. Fore Trucking will amend the Harry Frierson Mine SWPPP whenever there is a change in design, construction, operation, or maintenance, which may potentially increase the discharge of pollutants to State Waters, or the plan proves to be ineffective in controlling storm water pollutants. Mr. Harry Frierson will submit the amended SWPPP to the MDEQ within thirty (30) days following any amendments.

9.0 CERTIFICATION OF SWPPP

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person, or persons, who manages the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature, Title

Company

Date

WORKSHEETS

Worksheet 1
Cover Sheet for SWPPP

Worksheet #1
Cover Sheet

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

For: Harry Frierson Mine
Facility Name

Lower Bay Road, Hancock County, Mississippi
Facility Location

Under Mississippi's

Surface Mining **Storm Water General NPDES Permit**
(Type of Permit: Baseline, Wood Treater, etc.)

Coverage No. MSR _ _ _ _ _ _ _

SWPPP Manager: Harry Frierson

Title: Manager **Telephone #:** 228-249-0001
SWPPP Committee Members (list), if applicable:

Harry Frierson

I certify under penalty of law that the information submitted is, to the best of my knowledge, true, accurate and complete.

Signature **Date Signed** 6-21-07

Harry Frierson **Printed Name**

Manager **Title**

Worksheet 2a
Description of Exposed Significant Materials

DESCRIPTION OF EXPOSED SIGNIFICANT MATERIALS
Worksheet 2a

The list of significant materials that are exposed to rainwater or to surface run-on are listed below. Those that are not exposed do not pose a potential threat to the water quality of storm water run-off from the site.

- **Clay**
- **Sand**
- **Oils and Grease**
- **Diesel**
- **Soil**

Clay and sand material will be exposed to storm water during rainfall events. Although not practical to construct roofed storage areas for these raw products, the facility will be constructed in such a manner as to minimize contact with runoff.

Oils and grease will be potentially exposed to storm water at the facility from trucks, transportation equipment, and miscellaneous materials handling equipment.

Diesel will be potentially exposed to storm water from trucks entering and leaving the facility. No diesel refueling activities we be housed at this facility.

Bare soil will be exposed to rainfall in several areas. The soil is sandy and represents a relatively minor solids problem.

DESCRIPTION OF EXPOSED SIGNIFICANT MATERIAL

Worksheet #2a

Instructions: Describe significant materials that were exposed to storm water during the past three years and/or are currently exposed.

Description of Exposed Significant Material	Period of Exposure	Quantity Exposed (units)	Location (as indicated on the site map)	Method of Storage or Disposal (e.g., pile, drum, tank)	Description of Material Management Practice (e.g., pile covered, drum sealed)

(Make additional copies of this form as needed)

Worksheet 2b
List of Significant Spills and Leaks

List of Significant Spills and Leaks
Worksheet 2b

The permit requires a list of significant spills and leaks of toxic or hazardous pollutants exposed to precipitation or otherwise draining to a storm water conveyance. There have been no reported spill or leaks at the site. The following table is provided to record any future spills or leaks if they should occur.

Record of Significant Spills			
Date	**Location**	**Description**	**Response/Corrective Action**

LIST OF SIGNIFICANT SPILLS AND LEAKS

Worksheet #2b

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility as of July 14, 1992 (See page 5 of the guidance manual).

Date (Month/day/Year)	Spill or Leak (S/L)	Location (as indicated on site map)	Description	Response Procedure		Preventive Measures Taken (Add additional sheets if necessary)
			Type of Material	Amount of Material Recovered	Material Exposed to Storm Water (Y/N)	

(Make additional copies of this form as needed)

Worksheet 2c
Non-Storm Water Discharge Evaluation and Certification Form

Non-Storm Water Discharge Evaluation and Certification Form
Worksheet 2c

The permit requires that a certification be performed monthly and annually on the storm water outfalls to evaluate the presence of non-storm water discharges. The certification form is provided below:

Non-Storm Water Discharge Evaluation and Certification
Based upon inspections which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted in the monthly inspections on the form presented in Appendix A, in accordance with this SWPPP and good engineering practices as required by General NPDES Permit No. MSG11____. Inspections are conducted and summarized on the form presented in Appendix A. I certify that no non-storm water discharges are exiting the facility through the storm water outfall. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, and imprisonment for knowing violations. Name: HARRY D. PRICE SR Signature: [signature] Date: 6-21-17

NON-STORM WATER DISCHARGE EVALUATION AND CERTIFICATION

Worksheet #2c

Outfall No.	Date of Evaluation	Method Used to Test or Evaluate Discharge	If Evaluation is Impossible Give Reason	Is Non-Storm Water Being Discharged? (Yes/No)	List Likely Sources of Non-Storm Water Discharges	Person(s) Who Conducted the Test or Evaluation

CERTIFICATION

I certify under penalty of law that is, to the best of my knowledge and belief, true, accurate, and complete (see permit Part V.G.).

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

(Make additional copies of this form as needed)

Worksheet 3a
Existing and Proposed BMPs

Existing and Proposed BMPs
Worksheet 3a

The BMPs listed below have been developed for Harry Frierson Mine, for implementation at the Hancock, County location. This is not an exhaustive list of BMPs for preventing storm water pollution, but represents those practices that are practical and appropriate for the site.

List of Best Management Practices

1) Good Housekeeping Practices
    a) Prompt clean up of leaks and spills using dry clean-up methods.
    b) Keep all drums on pallets.

2) Preventative Maintenance
    a) Monthly inspections and follow up.

3) Spill Prevention and Response
    a) Prompt clean up of spills.
    b) Investigate cause.
    c) Prevent reocurrences.

4) Erosion and Sediment Control
    a) Erosion control rocks.
    b) Keep ditches maintained.
    c) Maintain grassed areas.
    d) Utilize hay bales, silt fencing and vegetation for erosion control

5) Operations Measures
    a) Recycle as much product as possible.

6) Engineering Controls
    a) Minimize process waste.
    b) Maintain control systems.

EXISTING AND PROPOSED BMPs

Worksheet #3a

Instructions: List all identified actual and potential storm water pollution sources and describe existing management practices and proposed BMPs with implementation schedule.

Potential Pollution Sources	Existing BMPs	Proposed BMPs	Implementation Schedule
1.			
2.			
3.			
4.			

(Make additional copies of this form as needed)

Worksheet 3b
Employee Training

Employee Training
Worksheet 3b

Training will be conducted annually, with new employees during their employee orientation, and with contractors as needed. Documentation of training will be provided by the Team Member who administers the training and the records will be retained for files. The training objectives will consist of:

- Requirements of the Storm Water Pollution Prevention Plan
- Spill response and reporting requirements
- Good housekeeping practices
- Any BMP for which an employee will be responsible
- Any materials management practice for which an employee will be responsible
- Maintenance, inspection, and reporting procedures

EMPLOYEE TRAINING

Worksheet #3b

Instructions: Describe the employee training program for your facility below. The program should, at a minimum, address spill prevention and response, good housekeeping, and material management practices. Provide a schedule for the training program and list the employees who attend training sessions.

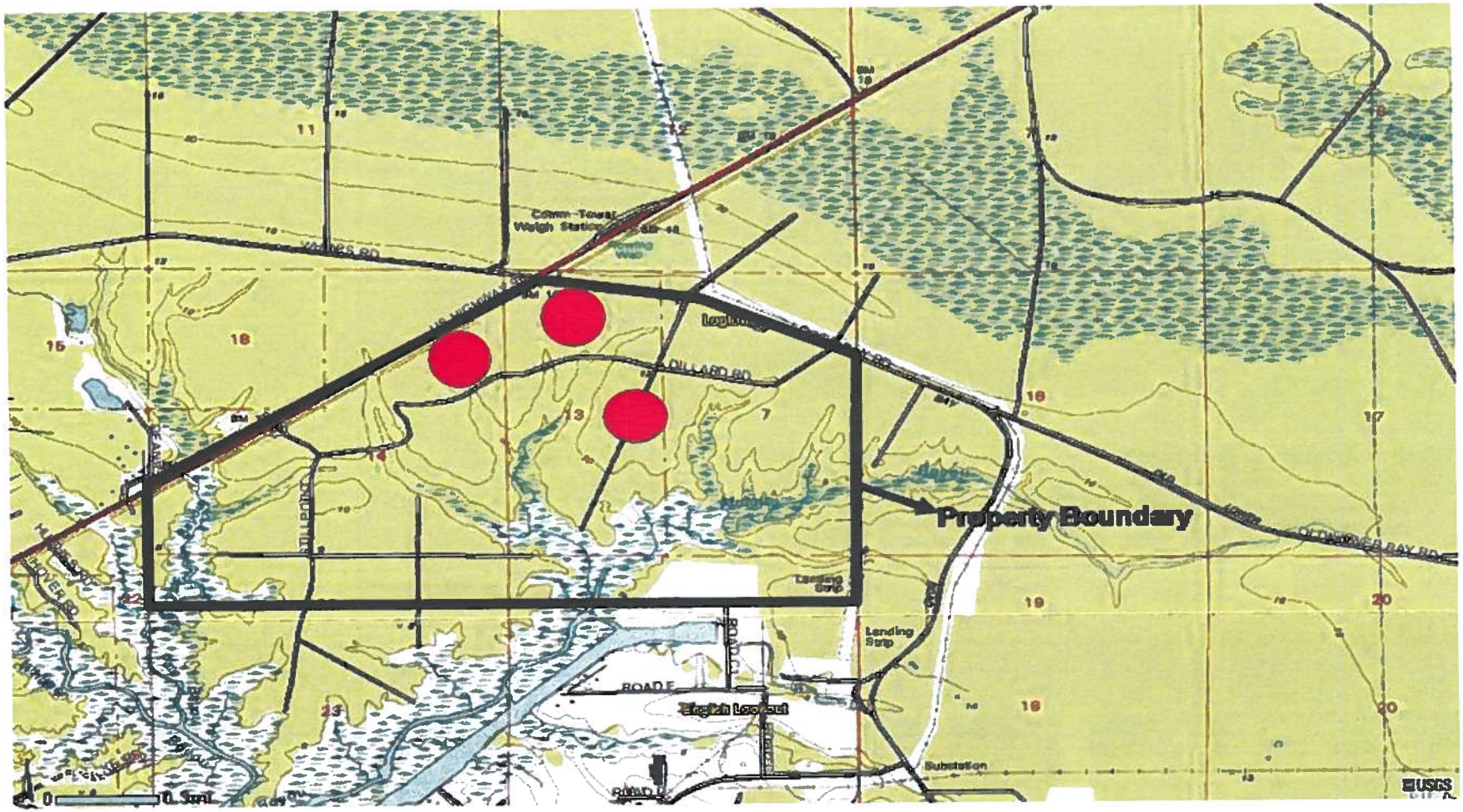
Training Topics	Brief Description of Scheduled Training Program/Materials (e.g., film, seminar, staff meeting)	Proposed Frequency of Training (e.g., once per quarter)	Who will attend?
Spill Prevention And Response			
Good Housekeeping			
Material Management Practices			
Other Topics			

(Make additional copies of this form as needed)

FIGURES

FIGURE
Topographic Map with M
Mine Plan

NORTH



Proposed Mining Area

Mining Area and Property Boundary are approximate

Site Map

Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	1in=0.5mi	Figure:	1

APEX ENVIRONMENTAL CONSULTANTS, INC.

FIGURE
Aerial

Aerial Photo
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference Google Earth 2007

Date:	6/18/2007	Project #	friersonmine 07
Scale:		Figure:	2

APEX
ENVIRONMENTAL CONSULTANTS, INC.

APPENDICES

APPENDIX A
INSPECTION REPORT FORM

INSPECTION REPORT FORM
APPENDIX A

Storm Water Pollution Prevention Plan
Monthly Visual and Preventive Maintenance Inspection Report Form
For The
Harry Frierson Mine

List storm water management equipment, potential pollutant sources, exposed significant materials inspected (one form for each area):_____

_____

Condition of area:_____

_____

_____

_____

_____

_____

Corrective actions needed:_____

_____

_____

_____

_____

_____

Person Responsible for Corrective Actions (Print) : _____

Additional Remarks:_____

_____

_____

_____

_____

Inspectors Name (Print) : _____

Inspectors Signature: _____

Inspection Date: _____

APPENDIX B
REGULATORY AGENCIES

REGULATORY AGENCIES

1. National Response Center
   Open 24 hours per day, 365 days per year
   Telephone (800) 424-8802

2. Emergency Response Staff
   Mississippi Department of Environmental Quality
   2380 Hwy 80 West
   Jackson, Mississippi 39289
   Telephone No. (601) 354-9100 (24 hour)

3. Mississippi Emergency Management Agency
   1410 Riverside Drive
   Jackson, Mississippi 39202
   Telephone No. (601) 352-9100 (24 hour)

Environmental Review of Threaten & Endangered Species, Cultural Resources and Wetlands

Future Surface Mine Operation
Logtown 7.5 Minute Quadrangle,
Sections 7,13, & 14 Township 9 South, Range 16 West
Hancock County, Mississippi

Prepared for:
Mr. Harry Frierson
12075 Highway 603
Bay St. Louis, MS 39520

Prepared by:

APEX
ENVIRONMENTAL CONSULTANTS, INC.

307 West Pine Street
Hattiesburg, MS 39401
(601) 544-1477

June 18, 2007

TABLE OF CONTENTS

1.0 INTRODUCTION

APEX Environmental Consultants, Inc. (APEX) was authorized by Mr. Harry Frierson on June 15, 2007 to conduct an Environmental Review for Threatened & Endangered Species, Wetlands, and Cultural Resources. The review is to determine if the property is acceptable for surface mining purposes.

2.0 SITE LOCATION

The subject property consists of approximately 90 acres located in the Logtown 7.5 Minute Quadrangle, Sections 7, 13, & 14 Township 9 South, Range 16 West, Hancock County, Mississippi. The Proposed Mining Operation is located on the corner of Highway 90 and Lower Bay Road, Hancock County, Mississippi, as shown on the U. S. Geological Survey 7.5' topographic map (Figure 1). The location of the Proposed Mining Operation also is presented as Figure 2 (aerial photo). The subject property is currently undeveloped.

3.0 PURPOSE

The purpose of this Environmental Review is to determine if future development of the subject property may possibly impact Threatened & Endangered Species, Cultural Resources, as well as Wetlands.

4.0 LIMITATIONS AND EXTENT OF ENVIRONMENTAL REVIEW

This Environmental Review was only for Threatened & Endangered Species, Cultural Resources, and Wetlands any other potential environmental impacts to the subject property were not considered in this review.

APEX has obtained as much information as is reasonably ascertainable through an on-site inspection of the site and research conducted by Environmental Data Resources, Inc. (EDR) Information and in addition, opinions furnished to APEX and contained in this report were obtained from sources considered reliable and believed to be true and correct. However, no responsibility for accuracy of such items furnished to the inspector can be assumed.

5.0 THREATENED OR ENDANGERED SPECIES

EDR searched its federal and state database for occurrences of state or federally listed or proposed endangered or threatened plants and animals on the subject property. This review determined that there are seven species of concern reported occurrences in the Logtown quad maps in Hancock County.

SPECIES:
Bird – Plover, Piping
Bird – Pelican, Brown
Fish – Sturgeon, Gulf
Mammal – Bear, Louisiana Black
Reptile – Turtle, Loggerhead Sea
Reptile – Tortoise, Gopher

No species or their habitat was noted in the proposed mining areas.

6.0 JURISDICTIONAL WATERS OF THE U.S.

Wetlands are generally areas where water covers the soil, or is present either at or near the surface of the soil all year or for varying periods of time during the year, including during the growing season. Water saturation (hydrology) largely determines how the soil develops and the types of plant and animal communities living in and on the soil. Wetlands may support both aquatic and terrestrial species, and extended presence of water may create conditions that favor the growth of specially adapted plants (hydrophytes) and promote the development of characteristic wetland (hydric) soils.

Wetlands vary widely because of regional and local differences in soils, topography, climate, hydrology, water chemistry, vegetation, and other factors, including human disturbance. Two general categories of wetlands are recognized, including coastal wetlands and inland wetlands.

Areas subject to jurisdiction under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899 are commonly referred to as "wetlands". However, "wetlands" are actually a subset of areas subject to jurisdiction and potential permitting requirements and constraints. The overall inclusive term used in the Code of Federal Regulations is "waters of the US", which includes wetlands, all surface tributary streams with a defined channel, all major streams and rivers, lakes and most ponds, and occasionally manmade features such as ditches or abandoned borrow pits. Jurisdictional wetlands are defined by federal regulations as areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support and that under normal circumstances do support a prevalence of vegetation typically adapted for life in saturated soil conditions (EPA, 40 CFR 230.3).

In our professional opinion, there are no areas in the proposed mining locations that satisfy the criteria to be a wetland pursuant to the Army Corps of Engineers 1987 Manual with subsequent clarification memoranda and pursuant to confirmation by the Army Corps of Engineers.

7.0 HISTORIC PROPERTIES

No visual evidence of prehistoric cultural resource materials was observed during the pedestrian survey of the subject property. However, shovel tests or other below ground investigations were not conducted on the subject property. That level of testing was beyond the scope of work for this investigation. If cultural resource materials (pottery sherds, bone, stone points, etc.) are encountered during mining activities, all activities should be halted until the Mississippi Department of Archives and History is notified. If human remains are encountered during any mining activities all activities should be halted immediately and the Sheriffs Department notified for examination as a possible crime scene.

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archaeology, engineering, and culture. Established under the National Historic Preservation Act of 1966, the National Register has identified and documented, in partnership with state, federal, and tribal preservation programs nearly 75,000 districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture. An archival search was conducted of the National Register Information System (NRIS), a database that contains information on places listed in or determined eligible for the National Register of Historic Places.

The NRIS search indicated no Official Historical Site near the subject property.

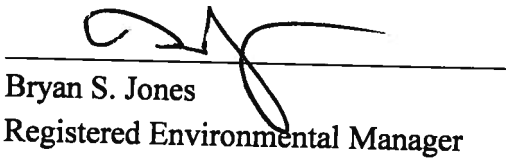
8.0 CONCLUSION

It is our opinion, based on the findings of this environmental review of Threatened & Endangered Species, Cultural Resources, and Wetlands the development of the subject property would have a considerably low environmental liability in regards to those environmental areas reviewed and would be suitable for a surface mining operation.

9.0 ENVIRONMENTAL PROFESSIONAL SIGNATURE AND QUALIFICATIONS

This Environment Review Report was prepared by Mr. Bryan S. Jones employed with APEX Environmental Consultants Inc. Mr. Jones is a Registered Environmental Manager and has over 15 years experience as a health and environmental consultant. Mr. Jones is also a Certified Wetlands Delineator.

Prepared by:



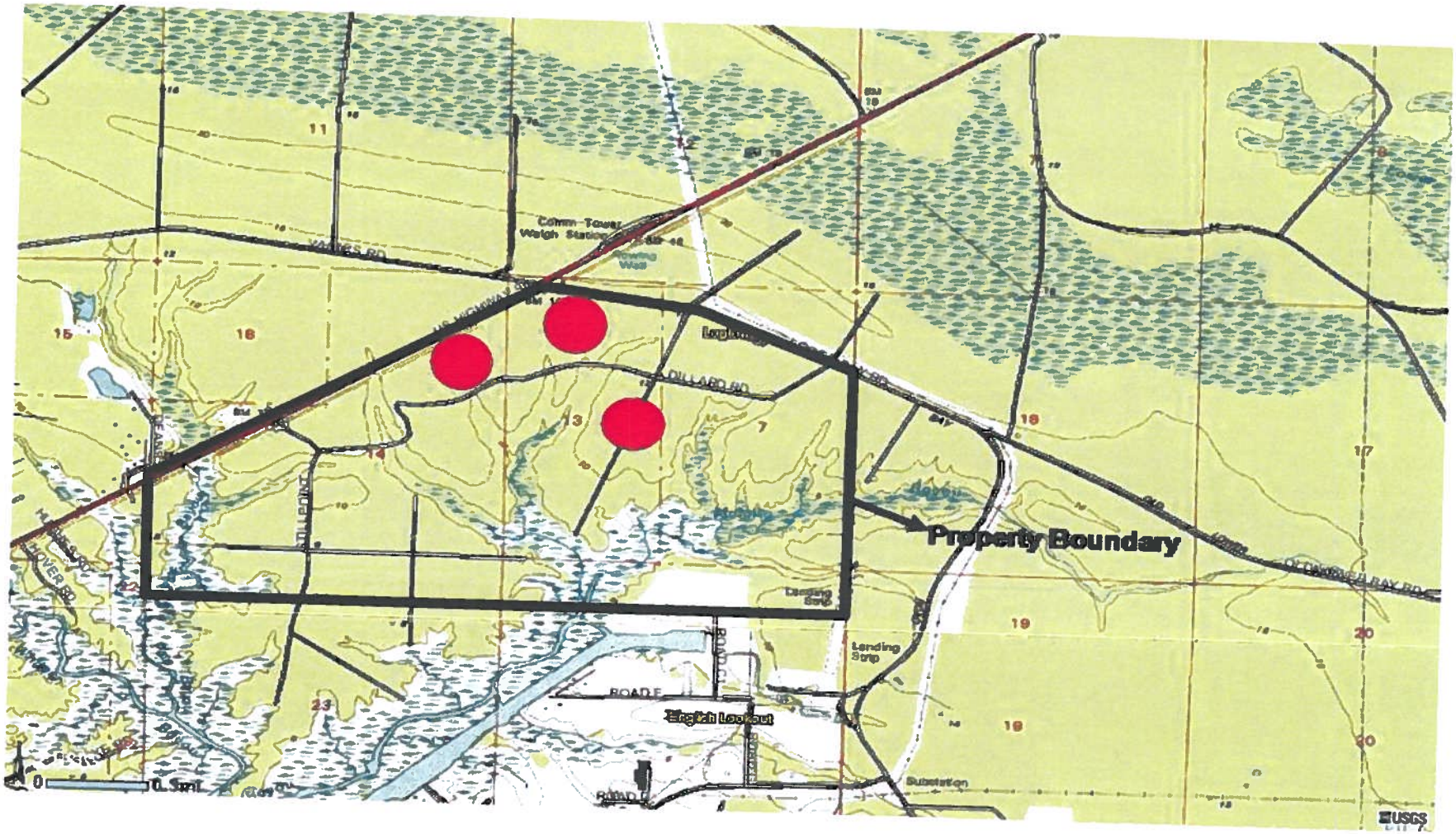
Bryan S. Jones
Registered Environmental Manager

6/18/07

Date

FIGURE 1
TOPOGRAPHIC MAP

NORTH



Proposed Mining Area

Mining Area and Property Boundary are approximate

Site Map

Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Logtown 7.5 Minute Quadrangle
Sections 7,13, 14, Township 9 South
Range 16 West, Hancock County, MS

Date:	6/18/2007	Project #	friersonmine 07
Scale:	1in=0.5mi	Figure:	1

APEX

FIGURE 2
AERIAL PHOTO

Aerial Photo
Mine Permit
Harry Frierson Mine
Lower Bay Road & Hwy 90
Hancock County, MS

Reference: Google Earth 2007

Date:	6/18/2007	Project #	friersonmine 07
Scale:		Figure:	2

APEX

FIGURE 3
EDR NEPA CHECK REPORT

EDR NEPACheck®

Harry Frierson Mine
Lower Bay Road
Pearlington, MS 39572

Inquiry Number: 1930111.2s

May 16, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-ACJ

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places • State Historic Places (where available) • Indian Reservations	47 CFR 1.1307(4); 40 CFR 6.302
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, AM Radio Towers, FAA Markings and Obstructions, AM Radio Interference Zones, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 22 of this report.

TARGET PROPERTY ADDRESS

HARRY FRIERSON MINE
LOWER BAY ROAD
PEARLINGTON, MS 39572

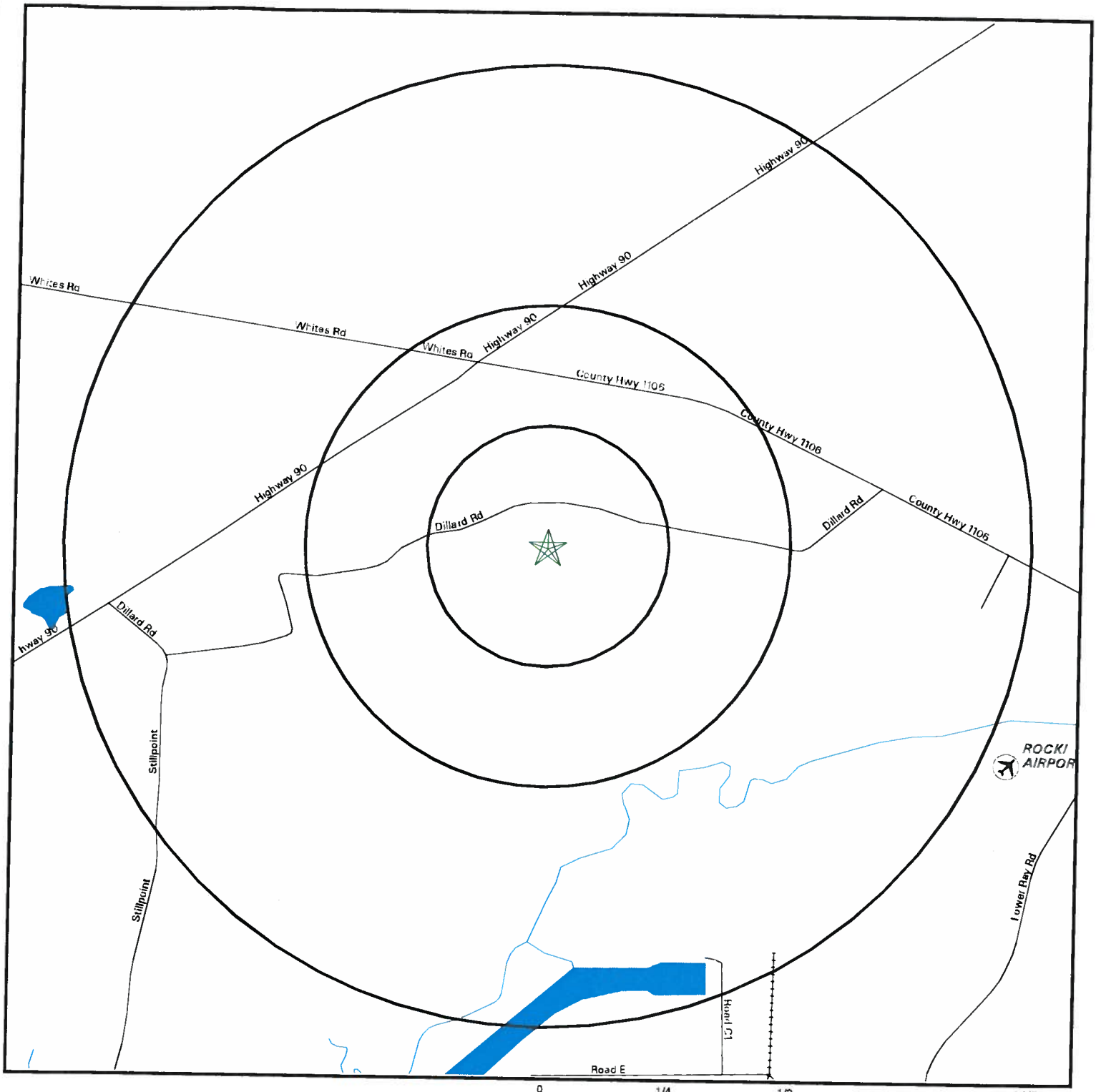
Inquiry #: 1930111.2s
Date: 5/16/7

TARGET PROPERTY COORDINATES

Latitude (North):	30.262199 - 30° 15' 43.9"
Longitude (West):	89.557701 - 89° 33' 27.7"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	253921.3
UTM Y (Meters):	3350428.0

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
NATURAL AREAS MAP				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	MS Wildlife Management Areas	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	MS Environmental Sensitive Are	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
HISTORIC SITES MAP				
1.1307a (4) Listed or eligible for National Register	National Register Hist. Places	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	MS Historic Sites	1.00	NO	NO
	Indian Reservation	1.00	NO	NO
FLOODPLAIN MAP				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	YES
WETLANDS MAP				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	YES
FCC & FAA SITES MAP				
	FCC Cellular	1.00	NO	NO
	FCC Antenna	1.00	NO	NO
	FCC Tower	1.00	NO	NO
	FCC AM Tower	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	YES	YES
	Power Lines	1.00	YES	YES

Natural Areas Map



- Target Property
- Roads
- County Boundary
- Waterways
- Water
- Airports
- Locations
- Federal Areas
- Federal Linear Features
- State Areas
- State Linear Features

SITE NAME: Harry Frierson Mine ADDRESS: Lower Bay Road Pearlington MS 39572 LAT/LONG: 30.2622 / 89.5577	CLIENT: Apex Environmental Consultants CONTACT: Bryan S. Jones INQUIRY #: 1930111.2s DATE: May 16, 2007

NATURAL AREAS MAP FINDINGS

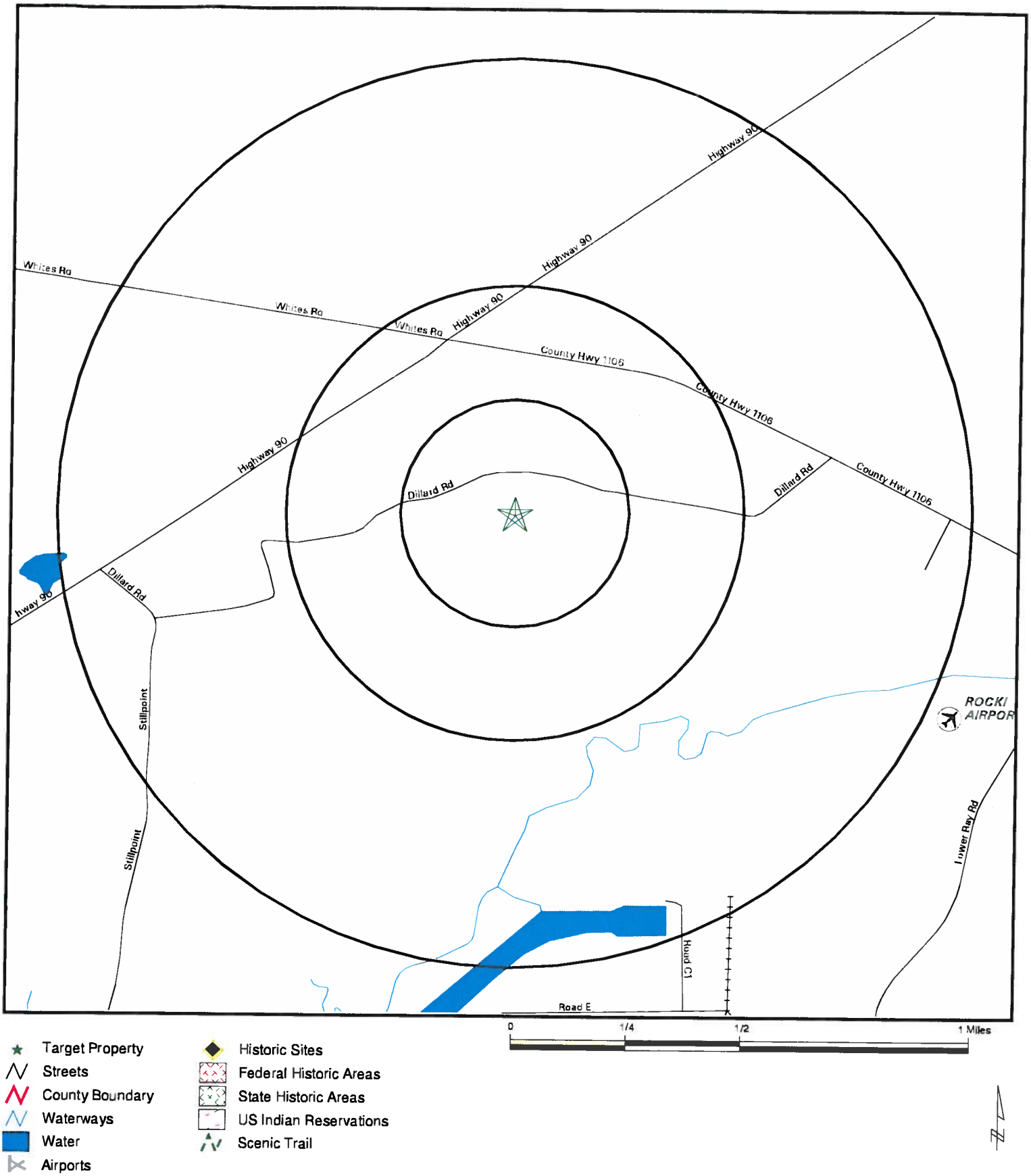
Endangered Species Listed for: HANCOCK County, MS.
Source: EPA Endangered Species Protection Program Database

BIRD:	PLOVER, PIPING
BIRD:	PELICAN, BROWN
FISH:	STURGEON, GULF
MAMMAL:	BEAR, LOUISIANA BLACK
REPTILE:	TURTLE, LOGGERHEAD SEA
REPTILE:	TORTOISE, GOPHER

Map ID Direction Distance Distance (ft.)	EDR ID Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

Historic Sites Map



- Target Property
- Streets
- County Boundary
- Waterways
- Water
- Airports
- Historic Sites
- Federal Historic Areas
- State Historic Areas
- US Indian Reservations
- Scenic Trail

SITE NAME: Harry Frierson Mine ADDRESS: Lower Bay Road Pearlington MS 39572 LAT/LONG: 30.2622 / 89.5577	CLIENT: Apex Environmental Consultants CONTACT: Bryan S. Jones INQUIRY #: 1930111.2s DATE: May 16, 2007

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

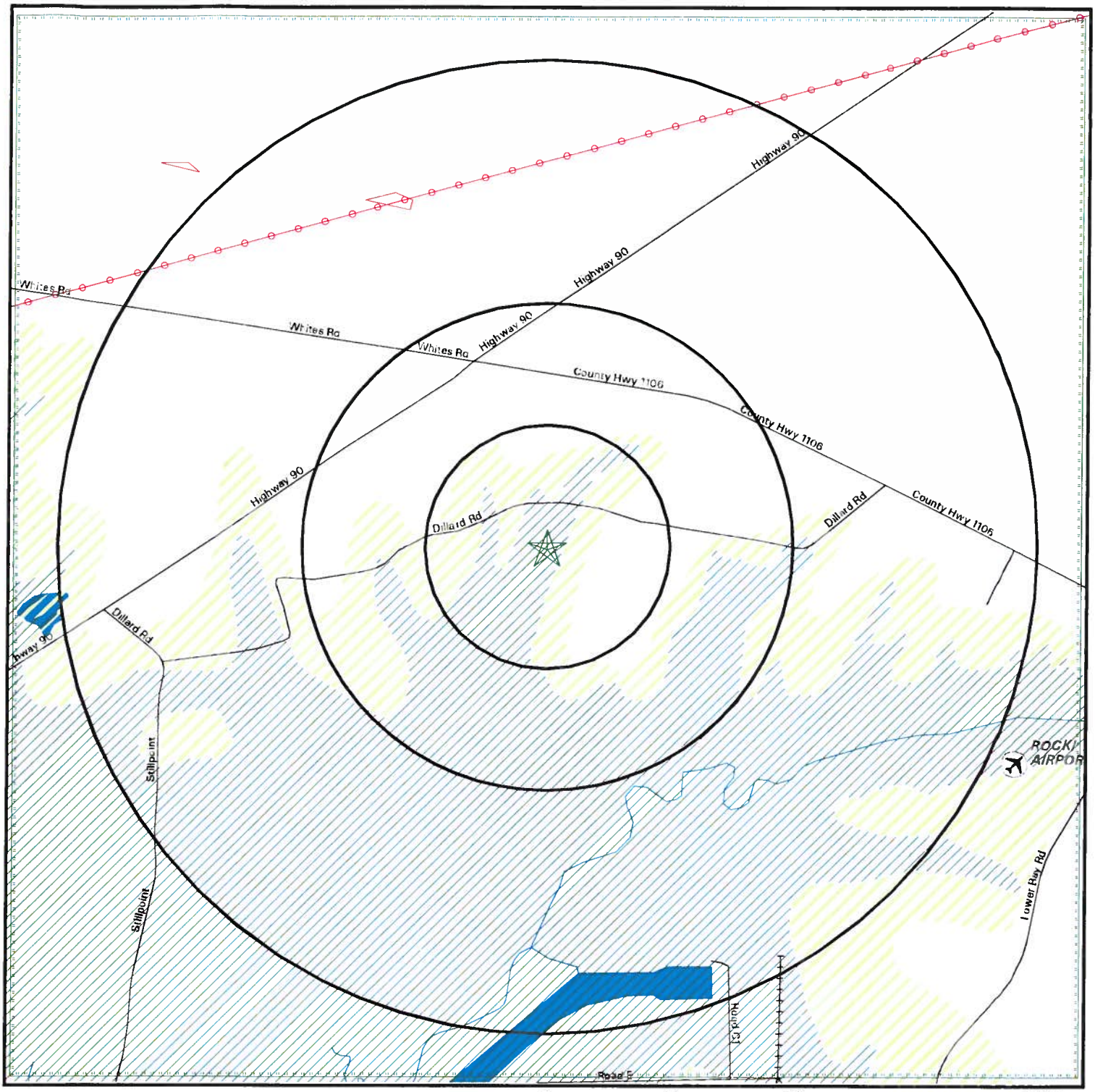
No mapped sites were found in EDR's search of available government records within the search radius around the target property.

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

		Status EDR ID Database
Name:	CLAIBORNE SITE 22-Ha-501	Unmappable
City:	PEARLINGTON	MS30000414
County:	HANCOCK COUNTY	MS Historic Sites
Note:	Archeology	
Date Added:	11/12/1982	
Name:	JACKSON LANDING SITE 22-Ha-504	Unmappable
City:	PEARLINGTON	MS30000416
County:	HANCOCK COUNTY	MS Historic Sites
Note:	Archeology	
Date Added:	07/27/1973	
Name:	SJ MOUND 22-Ha-594	Unmappable
City:	PEARLINGTON	MS30000421
County:	HANCOCK COUNTY	MS Historic Sites
Note:	Archeology	
Date Added:	04/13/1988	
Name:	THREE SISTERS SHELL MIDDEN 22-Ha-596	Unmappable
City:	PEARLINGTON	MS30000425
County:	HANCOCK COUNTY	MS Historic Sites
Note:	Archeology	
Date Added:	07/28/1988	
Name:	UP THE TREE SHELL MIDDEN 22-Ha-595	Unmappable
City:	PEARLINGTON	MS30000426
County:	HANCOCK COUNTY	MS Historic Sites
Note:	Archeology	
Date Added:	04/13/1988	
Name:	WILLIAMS SITE 22-Ha-585	Unmappable
City:	PEARLINGTON	MS30000429
County:	HANCOCK COUNTY	MS Historic Sites
Note:	Archeology	
Date Added:	07/28/1988	

Flood Plain Map



- Major Roads
- Contour Lines
- Waterways
- County Boundary
- Airports
- Power Lines
- Pipe Lines
- Fault Lines
- Water
- 100-year flood zone
- 500-year flood zone
- Electronic FEMA data available
- Electronic FEMA data not available

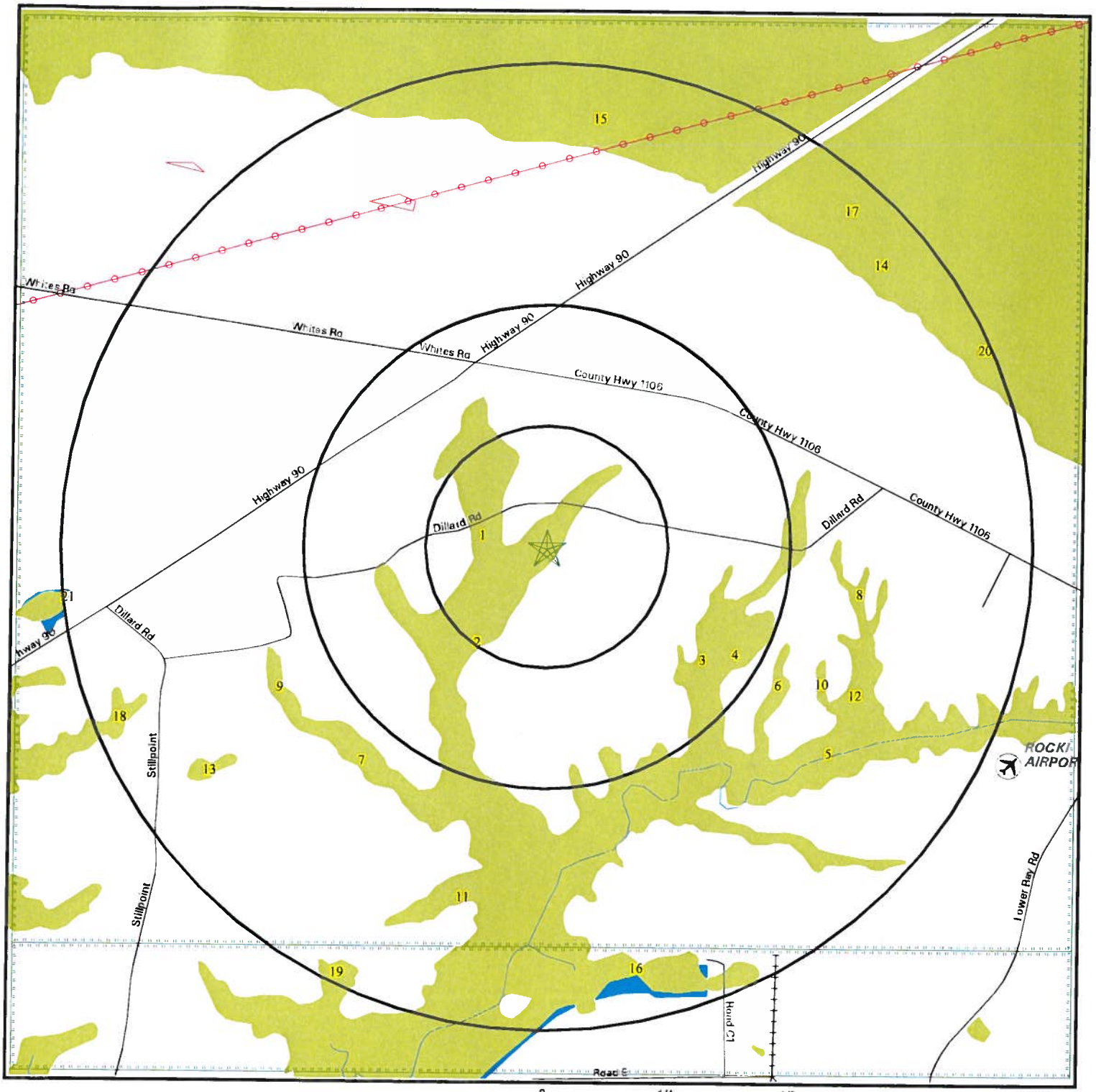
SITE NAME:	Harry Frierson Mine	CLIENT:	Apex Environmental Consultants
ADDRESS:	Lower Bay Road Pearlington MS 39572	CONTACT:	Bryan S. Jones
		INQUIRY #:	1930111.2s
LAT/LONG:	30.2622 / 89.5577	DATE:	May 16, 2007

FLOOD PLAIN MAP FINDINGS

Source: FEMA Q3 Flood Data

County	FEMA flood data electronic coverage
HANCOCK, MS	YES
Flood Plain panel at target property:	2852540160B
Additional Flood Plain panel(s) in search area:	None Reported

National Wetlands Inventory Map



- Major Roads
- Contour Lines
- Waterways
- County Boundary
- Airports
- Power Lines
- Pipe Lines
- Fault Lines
- Water
- National Wetland Inventory
- Electronic NWI data available
- Electronic NWI data not available

SITE NAME:	Harry Frierson Mine	CLIENT:	Apex Environmental Consultants
ADDRESS:	Lower Bay Road Pearlington MS 39572	CONTACT:	Bryan S. Jones
LAT/LONG:	30.2622 / 89.5577	INQUIRY #:	1930111.2s
		DATE:	May 16, 2007

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Logtown
Additional NWI hardcopy map(s) in search area:
English Lookout

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
1 North 0-1/8 mi 0	PFO1S [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [S] Temporary-Tidal	NWI
2 West 0-1/8 mi 136	PFO1R [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [R] Seasonal-Tidal	NWI
3 SE 1/4-1/2 mi 1776	PFO1/2R [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [FO] Forested, [2] Needle-Leaved Deciduous, [R] Seasonal-Tidal	NWI
4 ESE 1/4-1/2 mi 2021	PFO1S [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [S] Temporary-Tidal	NWI
5 SSE 1/4-1/2 mi 2446	PFO1T [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [T] Semipermanent-Tidal	NWI
6 ESE 1/2-1 mi 2762	PFO1S [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [S] Temporary-Tidal	NWI
7 SW 1/2-1 mi 2846	PFO2/1T [P] Palustrine, [FO] Forested, [2] Needle-Leaved Deciduous / , [FO] Forested, [1] Broad-Leaved Deciduous, [T] Semipermanent-Tidal	NWI
8 East 1/2-1 mi 3060	PFO1S [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [S] Temporary-Tidal	NWI
9 WSW 1/2-1 mi 3116	PFO1R [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [R] Seasonal-Tidal	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
10 ESE 1/2-1 mi 3199	PFO1S [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [S] Temporary-Tidal	NWI
11 SSW 1/2-1 mi 3256	PSS1/2R [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [2] Needle-Leaved Deciduous, [R] Seasonal-Tidal	NWI
12 ESE 1/2-1 mi 3293	PFO1/2R [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [FO] Forested, [2] Needle-Leaved Deciduous, [R] Seasonal-Tidal	NWI
13 SW 1/2-1 mi 4056	PFO1C [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded	NWI
14 NNE 1/2-1 mi 4222	PFO1/3C [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [FO] Forested, [3] Broad-Leaved Evergreen, [C] Seasonally Flooded	NWI
15 NNE 1/2-1 mi 4236	PFO1/3C [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [FO] Forested, [3] Broad-Leaved Evergreen, [C] Seasonally Flooded	NWI
16 SSE 1/2-1 mi 4490	E1UBLx [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal, [x] Excavated	NWI
17 NE 1/2-1 mi 4588	PSS1/3C [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [3] Broad-Leaved Evergreen, [C] Seasonally Flooded	NWI
18 WSW 1/2-1 mi 4621	PFO1/2R [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [FO] Forested, [2] Needle-Leaved Deciduous, [R] Seasonal-Tidal	NWI
19 SSW 1/2-1 mi 5003	PSS1/2R [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [2] Needle-Leaved Deciduous, [R] Seasonal-Tidal	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
20 ENE 1/2-1 mi 5158	PSS1/3C [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [3] Broad-Leaved Evergreen, [C] Seasonally Flooded	NWI
21 West 1/2-1 mi 5161	PUBHx [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM — **MARINE**

SUBSYSTEM — **1 - SUBTIDAL** — **2 - INTERTIDAL**

CLASS	Subclass (1 - SUBTIDAL)	Subclass (2 - INTERTIDAL)
RB-ROCK BOTTOM	1 Bedrock 2 Rubble	
UB-UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	
AB-AQUATIC BED	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Algal 3 Rooted Vascular 5 Unknown Submergent
RF-REEF	1 Coral 3 Worm	1 Coral 3 Worm
OW-OPEN WATER / Unknown Bottom		
RS-ROCKY SHORE		1 Bedrock 2 Rubble
US-UNCONSOLIDATED SHORE		1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM — **E - ESTUARINE**

SUBSYSTEM — **1 - SUBTIDAL**

CLASS	Subclass
RB-ROCK BOTTOM	1 Bedrock 2 Rubble
UB-UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
AB-AQUATIC BED	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
RF-REEF	2 Mollusk 3 Worm
OW-OPEN WATER / Unknown Bottom	

SUBSYSTEM — **2 - INTERTIDAL**

CLASS	Subclass
AB-AQUATIC BED	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
RF-REEF	2 Mollusk 3 Worm
SB - STREAMBED	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic
RS-ROCKY SHORE	1 Bedrock 2 Rubble
US-UNCONSOLIDATED SHORE	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic
EM-EMERGENT	1 Persistent 2 Nonpersistent
SS-SCRUB SHRUB	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen
FO-FORESTED	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM — **R - RIVERINE**

SUBSYSTEM	1 - TIDAL	2 - LOWER PERENNIAL	3 - UPPER PERENNIAL	4 - INTERMITTENT	5 - UNKNOWN PERENNIAL
CLASS	RB-ROCK BOTTOM UB-UNCONSOLIDATED BOTTOM *SB-STREAMBED AB-AQUATIC BED RS-ROCKY SHORE US-UNCONSOLIDATED SHORE **EM-EMERGENT OW-OPEN WATER/ Unknown Bottom				
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM — **L - LACUSTRINE**

SUBSYSTEM	1 - LIMNETIC	2 - LITTORAL
CLASS	RB-ROCK BOTTOM UB-UNCONSOLIDATED BOTTOM AB-AQUATIC BED OW-OPEN WATER/ Unknown Bottom	RB-ROCK BOTTOM UB-UNCONSOLIDATED BOTTOM AB-AQUATIC BED RS-ROCKY SHORE US-UNCONSOLIDATED SHORE EM-EMERGENT OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface 1 Bedrock 2 Rubble 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated 2 Nonpersistent

SUBSYSTEM

P - PALUSTRINE

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS-LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Bottom									
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6Deciduous 7 Evergreen	

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME

Non-Tidal

A Temporarily Flooded
B Saturated
C Seasonally Flooded
D Seasonally Flooded/ Well Drained
E Seasonally Flooded/ Saturated
F Semipermanently Flooded
G Intermittently Exposed

Tidal

H Permanently Flooded
J Intermittently Flooded
K Artificially Flooded
W Intermittently Flooded/Temporary
Y Saturated/Semipermanent/ Seasonal
Z Intermittently Exposed/Permanent
U Unknown

Coastal Halinity Inland Salinity pH Modifiers for

K Artificially Flooded
L Subtidal
M Irregularly Exposed
N Regularly Flooded
P Irregularly Flooded

*S Temporary-Tidal
*R Seasonal-Tidal
*T Semipermanent -Tidal
V Permanent -Tidal
U Unknown

*These water regimes are only used in tidally influenced, freshwater systems.

WATER CHEMISTRY

1 Hyperhaline
2 Euhaline
3 Mixohaline (Brackish)
4 Polyhaline
5 Mesohaline
6 Oligohaline
0 Fresh

7 Hypersaline
8 Eusaline
9 Mixosaline
0 Fresh

all Fresh Water

a Acid
t Circumneutral
i Alkaline

SOIL

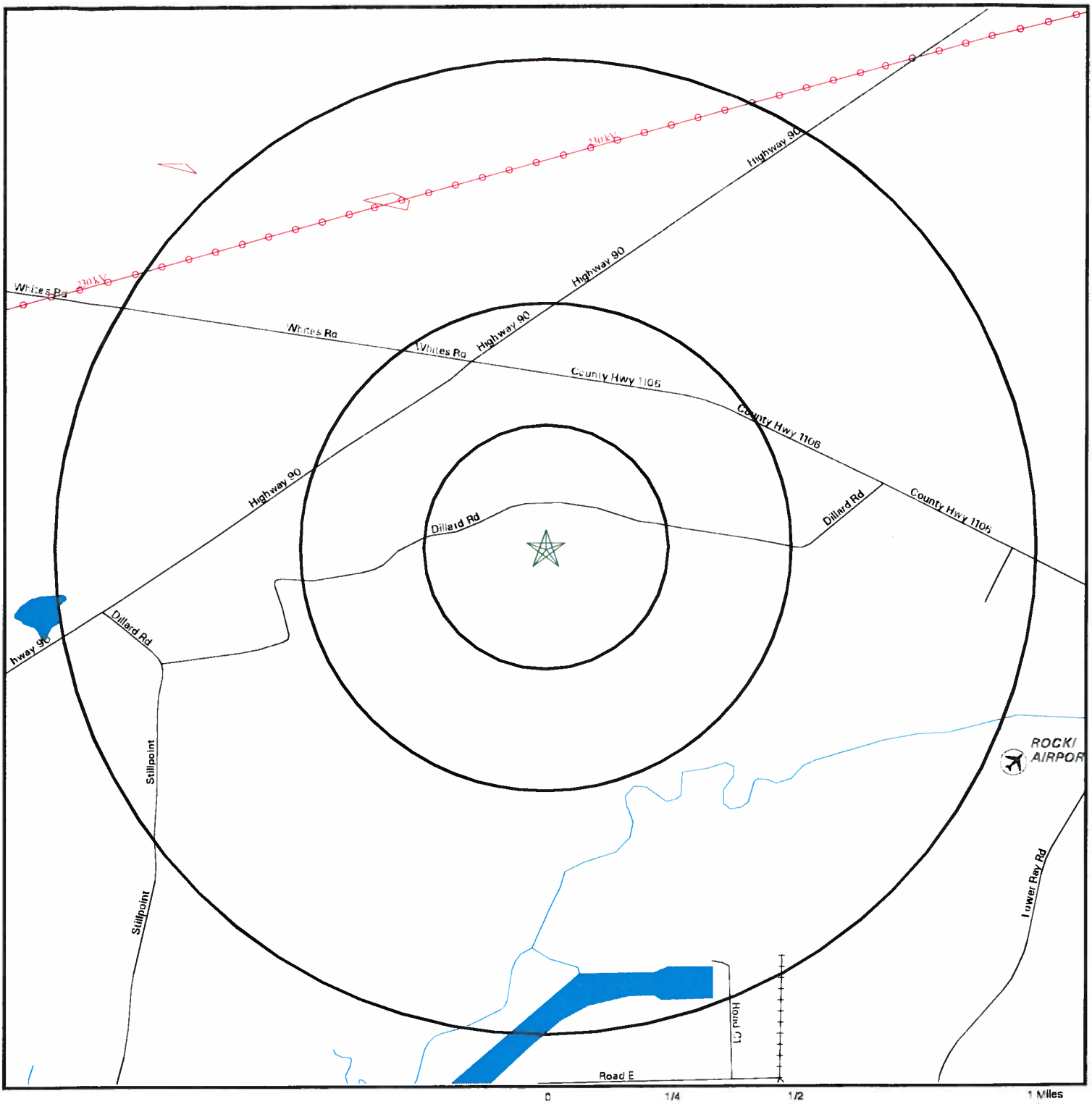
g Organic
n Mineral

SPECIAL MODIFIERS

b Beaver
d Partially Drained/Ditched
f Farmed
h Diked/Impounded
r Artificial Substrate
s Spoil
x Excavated

Source: U.S. Department of the Interior
Fish and Wildlife Service
National Wetlands Inventory

FCC & FAA Sites Map



- Streets
- Contour Lines
- County Boundary
- Waterways
- Power Lines
- Water
- Airports
- Sites
- Omni Directional AM Interference
- Directional AM Interference

SITE NAME: Harry Frierson Mine ADDRESS: Lower Bay Road Pearlington MS 39572 LAT/LONG: 30.2622 / 89.5577	CLIENT: Apex Environmental Consultants CONTACT: Bryan S. Jones INQUIRY #: 1930111.2s DATE: May 16, 2007

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)	EDR ID Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS
AIRPORTS

EDR ID
Database

AIR09829
AIRPORTS

Site Number:	11140.*A	State:	MISSISSIPPI
Airport Type:	AIRPORT	City:	BAY ST LOUIS
County:	HANCOCK	Owner type:	PR
Facility Name:	ROCKING T RANCH	Owner:	HEWITTE A. THIAN, MD
Use:	PR	City/State:	BAY ST LOUIS, MS 39520
Owner Address	16311 LOWER BAY RD	Mgmt Name:	Not Reported
Phone:	601-533-9963	Mgmt City/St:	Not Reported
Mgmt Address:	Not Reported	Latitude:	30-15-20.704N
Mgmt Phone:	Not Reported	Lat Method:	E
Longitude:	089-32-30.193W	Elev method:	E
Elev (ft):	14	Dist from Business:	12
Aero chart:	NEW ORLEANS	Date Active:	10/1985
Dir from Business:	SW	Fed agreements:	Not Reported
Certified Date:	Not Reported	Is Customs Airport?:	Not Reported
Is Int'l Airport?:	Not Reported	Inspected by:	N
Inspection Method:	2	Attendance:	ALL/ALL/DALGT
Last inspected:	Not Reported	Has ATC Tower:	N
Lighting:	Not Reported	Landing fee:	N
Beacon Color:	Not Reported	Multi engine:	Not Reported
Single engine:	001	Helicopters:	Not Reported
Jet engines:	Not Reported	Military:	Not Reported
Gliders:	Not Reported	Commercial:	Not Reported
Ultralights:	Not Reported	Local ops:	Not Reported
Air taxis:	Not Reported		

Runway id:	18/36	Length:	2000
Width:	200	Surface:	TURF
Lights Intensity:	Not Reported	Base End Id:	18
Markings:	Not Reported	Latitude:	Not Reported
Longitude:	Not Reported	Elevation:	Not Reported
Approach lights:	Not Reported	End Lights:	Not Reported
Centerline Lights:	Not Reported	Touchdown Lights:	Not Reported
Recip End ID:	36	Recip markings:	Not Reported
Recip Lat:	Not Reported	Recip Long:	Not Reported
Recip Elev:	Not Reported	Recip App Lgts:	Not Reported
Recip End Lgts:	Not Reported	Recip Ctr Lgts:	Not Reported

FCC & FAA SITES MAP FINDINGS
POWERLINES

EDR ID
Database

POW0000916
POWERLINES

Msid:	MSX1005460- 1	Voltage:	230
Rangeflg:	0	Hi_range:	0
Type:	AC	Status:	AC
Corridor:	N	Ownr_id:	Not Reported
Own_name:	Not Reported	Opr_id:	Not Reported
Ownr_flg:	S	Coname:	Not Reported
Physaddres:	Not Reported	Physcity:	Not Reported
Physstate:	Not Reported	Physlposta:	Not Reported
Mailaddres:	Not Reported	Mailcity:	Not Reported
Mailstate:	Not Reported	Mailpostal:	Not Reported
Phone:	Not Reported	Fax:	Not Reported
Webpage:	Not Reported		

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS
Officially designated wilderness areas
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

National Park Service, Southeast Region
100 Alabama Street SW, 1924 Building
Atlanta, GA 30303
404-562-3100

USDA Forest Service, Southern
1720 Peachtree Road, N.W.
Atlanta, GA 30367
404-347-2384

BLM - Eastern States Office
7450 Boston Blvd.
Springfield, VA 22153
703-440-1713

Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

Officially designated wildlife preserves, sanctuaries and refuges
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

MS Wildlife Management Areas: Wildlife Management Areas
Wildlife Management Area boundaries
Source: Dept. of Wildlife, Fisheries, and Parks.
Telephone: 601-354-7303

Federal Contacts for Additional Information
Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

State Contacts for Additional Information
Dept. of Wildlife, Fisheries & Parks 601-362-9212

Wild and scenic rivers
Government Records Searched in This Report
FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information
Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

Endangered Species

Government Records Searched in This Report
Endangered Species Protection Program Database
A listing of endangered species by county.
Source: Environmental Protection Agency
Telephone: 703-305-5239

MS Environmental Sensitive Are: Environmentally Sensitive Areas
Approximate locations of rare and endangered species and unique ecological areas
Source: Dept. of Wildlife, Fisheries, and Parks.
Telephone: 601-354-7303

Federal Contacts for Additional Information
Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

State Contacts for Additional Information
Natural Heritage Program, Museum of Natural Science 601-354-7303

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES
Historic Places
Government Records Searched in This Report
National Register of Historic Places:
The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.
The National Register includes:
- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

MS Historic Sites: National Historic Registry Sites
Locas of Mississippis Historic Registry Sites
Source: MARIS. Institutions for Higher Learning
Telephone: 601-432-6149

MS Historic Sites: Mississippi Landmarks Inventory
Listing of hsitoric sites included on the State Register.
Source: Department of Archives and History.
Telephone: 601-359-6850

MS Historic Sites: National Register of Historic Places
Listing of historic sites included on the National Register for Mississippi.
Source: Department of Archives and History.
Telephone: 601-359-6850

Federal Contacts for Additional Information
Park Service; Advisory Council on Historic Preservation
1849 C Street NW
Washington, DC 20240
Phone: (202) 208-6843

State Contacts for Additional Information
Mississippi Dept. of Archives & History 601-359-6850

Indian Religious Sites
Government Records Searched in This Report
Indian Reservations:
This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.
Source: USGS
Phone: 888-275-8747
Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information
Department of the Interior- Bureau of Indian Affairs
Office of Public Affairs
1849 C Street, NW
Washington, DC 20240-0001
Office: 202-208-3711
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers
1411 K Street NW, Suite 700
Washington, DC 20005
Phone: 202-628-8476
Fax: 202-628-2241

State Contacts for Additional Information
A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
http://www.doi.gov/bia/areas/agency.html

Eastern Area Office, Bureau of Indian Affairs
3701 N. Fairfax Drive Mail Stop 260-VASQ
Arlington, VA 22203
703-235-2571

Scenic Trails

State Contacts for Additional Information
Natchez Trace National Scenic Trail
American Hiking Society 1422 Fenwick Lane
Silver Spring, Maryland 20910
301-565-6704

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management
Government Records Searched in This Report
Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information
Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information
Emergency Management Agency 601-352-9100

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Fisheries, Wildlife & Parks 601-362-9212

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas
Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management
N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

Department of Marine Resources 228-374-5000

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

Tower

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

Antenna Registration

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

AM Tower
Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

FAA Digital Obstacle File
National Oceanic and Atmospheric Administration
Telephone: 301-436-8301
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities
Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data
PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Excessive Radio Frequency Emission
For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information
Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

NEPA Single Point of Contact
State Contacts for Additional Information
Clearinghouse
Department of Finance & Administration
550 High Street
303 Walters Sillers Building
Jackson, MS 39201-3087
601-359-6762

STREET AND ADDRESS INFORMATION

Mississippi Department of Environmental Quality
Office of Pollution Control
Environmental Permits Division

Project Awareness Checklist

The primary purpose of this checklist is to allow early identification of "big picture" items that could affect EPD's permitting decisions. The checklist will be filled out by the permit manager, with input from the permit applicant as needed. Many of the questions will be answered after the pre-application meeting. The applicable portions of the checklist should be filled out prior to developing the draft permit. The checklist should be attached to the permit action form (PAF).

This checklist does not establish or affect legal rights or obligations. This checklist does not establish or affect procedural requirements for the development or issuance of permits. MDEQ is under no obligation to complete any or all of this checklist.

References to web sites or other sources external to MDEQ are intended for informational purposes only and do not imply any official MDEQ endorsement of, or responsibility for, the opinions, ideas, reliability, data or products presented at those locations, or guarantee the validity of the information provided.

Name of facility

W C Fore Trucking Inc, Harry Frierson Pit

AI

35877

Permit type

☑ Issuance
☐ Reissuance without Modification
☐ Modification
☐ Reissuance with Modification

☑ Routine ☐ Priority

Critical path

☐ Air ☑ Water ☐ Hazardous Waste ☐ Solid Waste

Notes/Comments

A. Air

Section Not Applicable ☑

Yes	No	Not Applicable		
☐	☐	☐	A1.	Is the facility located in an area that may become a non-attainment area when the new NAAQS are implemented? PM2.5
☐	☐	☐	A2.	Is this facility a significant minor source as defined by APC-S-2, Section I.B.21?
☐	☐	☐	A3.	Will this facility generate dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof, such as to cause a nuisance to property from which it originated? (APC-S-1, Section 3.3)
☐	☐	☐	A4.	Is this project subject to any of the following regulations? ■ New Source Performance Standards (NSPS) (40 CFR Part 60) ■ National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Parts 61 and 63) ■ Compliance Assurance Monitoring (CAM) (40 CFR Part 64) ■ Prevention of Significant Deterioration (PSD) (40 CFR Part 52) ■ Acid Rain Program (40 CFR Part 72) ■ Chemical Accident Prevention Provisions (40 CFR Part 68)
☐	☐	☐	A5.	Does this facility fall into one of the 28 listed source categories? (40 CFR 52)
☐	☐	☐	A6.	Is this facility located within 200 km of any Class I area? (40 CFR 52) ■ Will there be construction or air emissions near a national/state forest or national/state park or other recreational area? ☐Yes / ☐No / ☐NA
☐	☐	☐	A7.	Will any air discharges have an impact on water quality?

B. Hazardous Waste

Section Not Applicable ☑

☐	☐	☐	B1.	Is this a hazardous waste TSD project? ■ Typically these projects have opposition. ■ Is there off-site contamination? ☐Yes / ☐No / ☐NA ■ Are "bad boy" and financial capability reviews necessary? ☐Yes / ☐No / ☐NA
☐	☐	☐	B2.	Is the site a brownfield site? ■ Check with Groundwater Assessment and Remediation Division – Brownfields Branch.

- Check with Groundwater Assessment and Remediation Division – Uncontrolled Sites Branch.

☐ ☐ ☐ B3. Are there universal waste considerations? (Examples: used oil, car batteries, fluorescent tubes.)

C. Solid Waste — Section Not Applicable ☑

☐ ☐ ☐ C1. Is this a new or existing solid waste management facility?
- These projects may have opposition.
- Does the existing facility (or other facilities owned or operated by the applicant) have a history of non-compliance? ☐Yes / ☐No / ☐NA
- Has a disclosure statement been filed? ☐Yes / ☐No / ☐NA
- Is the application a result of enforcement action by ECED? ☐Yes / ☐No / ☐NA

☐ ☐ ☐ C2. Will solid waste be sent to a third-party landfill?
- Contact the landfill owner to verify that the landfill can and will accept the waste.
- Does the County Solid Waste Management Plan need to be modified? ☐Yes / ☐No / ☐NA

D. Water — Section Not Applicable ☐

☐ ☑ ☐ D1. Will the facility discharge wastewater to a third-party wastewater treatment plant (WWTP)?
- Is the WWTP willing and able to accept the discharge? ☐Yes / ☐No / ☐NA
- Is a pretreatment permit needed? ☐Yes / ☐No / ☐NA

☐ ☐ ☑ D2. Review Permit Board Policy on Suitable Points to Discharge Treated Wastewaters, January 2002 for acceptable locations of new discharges. (The document is located in the Knowledge Center.)
- Specific locations where wastewater discharges are prohibited or are strongly discouraged include:
  - Ross Barnett Reservoir and surrounding drainage basin
  - Old Run Tombigbee River north of Fulton
  - Pickwick Lake
  - Mississippi Sound (including the coastal waters)
  - Okatoma Creek
  - Wolf Creek
  - Red Creek
  - Black Creek (located south of Hattiesburg)
- Typically, lakes, reservoirs, bayous, ponds or other confined, low flushing waterbodies, and drainage ways leading to them, are not suitable points of discharge.

- Has the permit manager or the Regional Office done an inspection to determine whether the discharge location is suitable to receive discharged wastewater? ☐Yes / ☐No / ☐NA
- Contact Surface Water Division if unsuitable locations are proposed.

☐ ☐ ☑ D3. Is the water body on the 303(d) list for parameters of concern?
- Check with the Water Quality Assessment Branch for 303(d) listing.
- Consider alternative receiving streams/locations or no-discharge systems.
- Refer to NPDES Permit Issuance Process for Facilities Discharging to 303(d) Listed Waters, January 1999

☐ ☐ ☑ D4. Has a TMDL been developed for the receiving stream?
- See http://www.deq.state.ms.us/newweb/swhome.nsf/pages/WDivision/$file/tmd3.html, or check with the Water Quality Assessment Branch.
- Does the TMDL propose limitations on the discharge? ☐Yes / ☐No / ☐NA

☐ ☑ ☐ D5. Will the project impact wetlands or other waters of the United States?
- Check with WQMB for requirements for 404 permit or 401 Water Quality Certification
- Are there any issues with the Surface Water Division? ☐Yes / ☐No / ☐NA

☐ ☑ ☐ D6. Is an antidegradation package required?
- For POTWs, required for new major discharges (≥1 mgd) or for increases in discharges from majors. (This may change when WQMB issues guidance in the future.)
- For industrial, follow the "Antidegradation Policy Review Checklist." (The document is located in the Knowledge Center.)
- The package must be sent to EPA along with the draft permit.

☐ ☐ ☑ D7. Is the stream classified for shellfish harvesting, drinking water supply, or recreation?
- See State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters, November 16, 1995 for a list, or check with WQAB/Standards. (The document is located in the Knowledge Center.)
- Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems.
- Have water supply intake distances been evaluated? ☐Yes / ☐No / ☐NA

☐ ☐ ☑ D8. Is the stream actually used for recreation, even if the classification is fish and wildlife?

- Check with WQAB/Standards, Regional Offices, Mississippi Department of Wildlife, Fisheries, and Parks, and Mississippi Forestry Commission.
- Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems.
- Have distances of actual water contact activity been evaluated? ☐Yes / ☐No / ☐NA

☐ ☐ ☑ D9. Is the receiving stream classified as an ephemeral stream?
- Check with WQAB/Standards
- Alternate discharge points or no-discharge systems must be investigated before this stream is considered.

☐ ☑ ☐ D10. Will the project violate water buffer zone requirements?
- How is the surrounding area zoned?
- Will there be a discharge near a state forest or park or other recreational area? ☐Yes / ☐No / ☐NA

☐ ☐ ☑ D11. Has the stream been proposed for inclusion in the State Scenic Streams Stewardship Program (Section 51-4 et seq., Mississippi Code)?
- As of March 12, 2003, the streams include
  - Chunky Creek in Newton County from the confluence of Chunky Creek and Tallasher Creek.
  - Chunky River in Newton, Lauderdale and Clarke Counties to the junction with the Chickasawhay River in Clarke County.
  - Magee's Creek in Walthall County from the confluence of Varnell Creek to the Bogue Chitto River.
  - Tangipahoa River in Pike County beginning at U.S. Highway 51 and extending to the Mississippi-Louisiana state line.
  - Wolf River in Pearl River, Hancock, Stone and Harrison Counties from Highway 26 in Pearl River County to the Bay of St. Louis in Harrison County.
- Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems.

☐ ☑ ☐ D12. Will the facility obtain water from an existing Public Water System (PWS)?
- Does the PWS have adequate capacity? ☐Yes / ☐No / ☐NA Contact MSDH/Division of Water Supply if needed.
- Check with OLWR if the water use will be ≥300,000 gpd or if the PWS will need a permit modification.

☐ ☑ ☐ D13. Will the facility use surface water or build a dam?
- Check with OLWR for permit requirements.
- Check with WQMB for requirements regarding intake structures or wetlands issues.

☐ ☑ ☐ D14. Will the facility use groundwater?
- Check with OLWR for permit requirements.

E. SARA Title III (EPCRA) Reporting

Section Not Applicable ☑

☐ ☐ ☐ E1. Will the facility meet the reporting criteria of EPCRA Section 313 by man-hour requirement, SIC code or reportable quantity over a certain threshold?

☐ ☐ ☐ E2. In response to the requirements of EPCRA Section 304 has the facility determined if there are "Extremely Hazardous Substances (EHS)" or CERCLA Substances onsite in excess of their respective reportable quantities?

☐ ☐ ☐ E3. Does the facility store onsite an EHS in excess of its respective "Threshold Planning Quantity?" If so then the reporting requirements of EPCRA Section 311 and 312 must be followed.

F. Other

Section Not Applicable ☐

☐ ☐ ☐ F1. List all existing permits and their expiration dates:

Permit Number	Description	Expiration
Geology-Mining-Application	A1649	

- Are permit applications in-house for all permits that have expired or will expire in ≤ 180 days? ☐Yes / ☐No / ☐NA
  If no, will the current permitting action proceed?
  ☐Yes / ☐No / ☐NA

Permit Activity	Last Permit Expired Task	Last App Received Task

☑ ☐ ☐ F2. Are all fees (e.g., Title V), fines, and/or compliance with CEQ orders current?
- Check enSite for actions on or after October 1, 2001. Check with ECED for earlier actions.
- Check with Mona Varner for fees.

☐ ☑ ☐ F3. Check complaints database and compliance history.
- Check enSite for actions on or after October 1, 2001. Check with ECED for earlier actions.

- What is the nature of the historical compliance problems (if applicable)?

- Are there any pending agreed orders? ☐Yes / ☐No / ☐NA

☐ ☑ ☐ F4. Are there EJ considerations?
- Review demographic maps and per capita income information.
- Does the area around the site appear to be a low-income or minority area?
  ☐Yes / ☐No / ☐NA
- Is there a significant amount of industrial activity? ☐Yes / ☐No / ☐ NA
- Are there indications that there is a significant population of non-English-speaking people near the site? ☐Yes / ☐No / ☐NA
- Are we aware of any variances or violations in local zoning?
  ☐Yes / ☐No / ☐NA
- Are there quality of life issues? ☐Yes / ☐No / ☐NA
- Contact the EJ coordinator if there appear to be EJ concerns.
- Determine what kind of additional public information activities need to be done.

☐ ☑ ☐ F5. Has it been determined that there is public interest in this project?
- Is there organized public opposition? ☐Yes / ☐No / ☐NA
- Who is the opposition?

- Has there been media coverage or the possibility of media coverage?
  ☐Yes / ☐No / ☐NA
- Are there regulation changes on the horizon that would result in more stringent requirements for the project? ☐Yes / ☐No / ☐NA
- Are there actual, potential, or alleged human health or environmental impacts? ☐Yes / ☐No / ☐NA
  If yes, explain.

☐ ☑ ☐ F6. Are there cumulative impact issues?
- Is there a concentration of emissions in the area?
  ☐Yes / ☐No / ☐NA
- Research by reviewing files, etc. for effects of past projects, the effects of current projects, and the effects of probable future projects. It includes the effects of other projects which interact with this project and, together, are considerable.
- Is GIS information available? ☐Yes / ☐No / ☐NA
  Has it been used? ☐Yes / ☐No / ☐NA

☐ ☑ ☐ F7. Is the Mississippi Development Authority (MDA) interested?

- Is the proposed project in an economically underdeveloped area of the state? ☐Yes / ☐No / ☐NA
- Is the project receiving CDBG (Community Development Block Grant) funding? ☐Yes / ☐No / ☐NA
  CDBG funding is given for projects in low-to-moderate income areas and thus indicates the possibility of EJ considerations.

☐ ☑ ☐ F8. Will this project have the potential to impact threatened and endangered species? Pesticide limitations for endangered species link. NPDES link. http://endangered.fws.gov/
- Contact WQAB for a list of species.

☐ ☑ ☐ F9. Will this project have the potential to impact archeological and cultural resources?
- Has the Mississippi Department of Archives and History been contacted? ☐Yes / ☐No / ☐NA

☐ ☑ ☐ F10. Is this facility located in a politically sensitive area?

☐ ☑ ☐ F11. Will this facility have a significant economic impact on the area?

☑ ☐ ☐ F12. Does this project involve other state or federal agencies, and if so, in what way?
Office of Geology – Surface Mining Permit

☐ ☑ ☐ F13. Is the project (or company or location, etc.) listed in the Heightened Awareness Projects database (located in Lotus Notes)?
☐Yes / ☐No / ☐NA
If yes, get in touch with the listed contact person.

☐ ☐ ☑ F14. Review "Enclosure B: EPA/State Review and Oversight Tools for NPDES Permits" to determine if any additional information needs to be gathered. (The document is located in the Knowledge Center.)

☐ ☑ ☐ F15. Is there ***anything else*** that might slow down the permitting decision or change any permit conditions? (Industrial Sector Notebooks) If yes, describe.