

GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FAVRET DEVELOPMENT PROPOSED CONDO SITE
1762 BEACH BLVD
BILOXI, MS 39531

TARGET PROPERTY COORDINATES

Latitude (North):	30.393925 - 30° 23' 38.1"
Longitude (West):	88.944107 - 88° 56' 38.8"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	313218.9
UTM Y (Meters):	3363858.8
Elevation:	14 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
HARRISON, MS

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2852520007C

Additional Panels in search area: 2852520006C
2852550215E
2852520011C

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
BILOXI

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic
System:	Quaternary
Series:	Holocene
Code:	Qh (decoded above as Era, System & Series)

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: EUSTIS

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 5.50 Min: 4.50
2	6 inches	24 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 5.50 Min: 4.50
3	24 inches	76 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 5.50 Min: 4.50
4	76 inches	98 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 5.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
loamy sand
muck
loam
fine sand

Surficial Soil Types: fine sandy loam
loamy sand
muck

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loam
fine sand

Shallow Soil Types: sandy loam
 fine sandy loam

Deeper Soil Types: loam
 sandy clay loam
 loamy sand
 silt loam
 sandy loam
 fine sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS0579368	0 - 1/8 Mile SW
B2	USGS0579374	1/8 - 1/4 Mile East
A3	USGS0579357	1/8 - 1/4 Mile WSW
B4	USGS0579458	1/8 - 1/4 Mile ENE
8	USGS0579538	1/4 - 1/2 Mile NNE
D10	USGS0579338	1/4 - 1/2 Mile WSW
11	USGS0579358	1/4 - 1/2 Mile West
13	USGS0579373	1/4 - 1/2 Mile East
14	USGS0579539	1/4 - 1/2 Mile WNW
15	USGS0579523	1/4 - 1/2 Mile WNW
16	USGS0579483	1/2 - 1 Mile WNW
17	USGS0579503	1/2 - 1 Mile NE
18	USGS0579522	1/2 - 1 Mile ENE
E19	USGS0579372	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
20	USGS0579595	1/2 - 1 Mile NW
E22	USGS0579378	1/2 - 1 Mile East
F23	USGS0579483	1/2 - 1 Mile ENE
25	USGS0579672	1/2 - 1 Mile NNE
26	USGS0579411	1/2 - 1 Mile West
28	USGS0579551	1/2 - 1 Mile NNE
30	USGS0579632	1/2 - 1 Mile North
31	USGS0579562	1/2 - 1 Mile NW
32	USGS0579353	1/2 - 1 Mile West
G33	USGS0578295	1/2 - 1 Mile ENE
35	USGS0579446	1/2 - 1 Mile East
H36	USGS0579369	1/2 - 1 Mile West
I37	USGS0579721	1/2 - 1 Mile NNW
H38	USGS0579418	1/2 - 1 Mile West
H39	USGS0579375	1/2 - 1 Mile West
H40	USGS0579380	1/2 - 1 Mile West
41	USGS0578283	1/2 - 1 Mile NNE
42	USGS0579671	1/2 - 1 Mile NE
45	USGS0578330	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

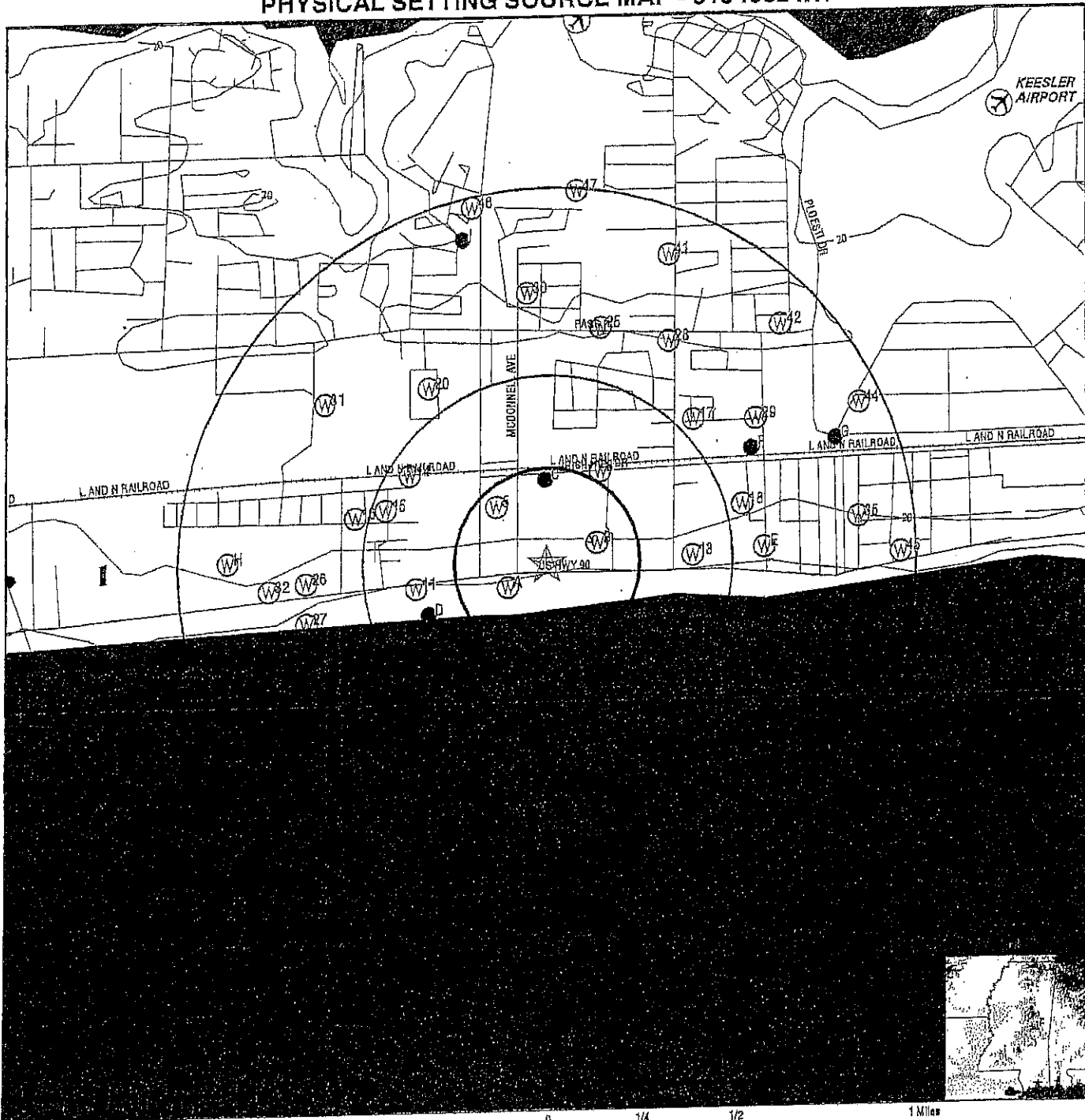
MAP ID	WELL ID	LOCATION FROM TP
C7	MS0240001	1/8 - 1/4 Mile North

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	P07939	1/8 - 1/4 Mile NW
C6	H2824	1/8 - 1/4 Mile North
D9	P01460	1/4 - 1/2 Mile WSW
D12	P01459	1/4 - 1/2 Mile WSW
F21	P07948	1/2 - 1 Mile ENE
F24	P11376	1/2 - 1 Mile ENE
27	P14263	1/2 - 1 Mile WSW
29	H2813	1/2 - 1 Mile NE
G34	P02151	1/2 - 1 Mile ENE
I43	P02150	1/2 - 1 Mile NNW
44	H2811	1/2 - 1 Mile ENE
46	H2792	1/2 - 1 Mile NNW
47	P02143	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 01340824.1r



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

TARGET PROPERTY: Favret Development Proposed Condo Site
 ADDRESS: 1762 Beach Blvd
 CITY/STATE/ZIP: Biloxi MS 39631
 LAT/LONG: 30.3939 / 88.9441

CUSTOMER: Moran, Seymour & Associates
 CONTACT: Bill Roberts
 INQUIRY #: 01340824.1r
 DATE: January 12, 2005 2:54 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SW
0 - 1/8 Mile
Lower

FED USGS USGS0579358

Agency:	USGS	Site ID:	302337088565701
Site Name:	M314 COMFORT INN		
Dec. Latitude:	30.39298		
Dec. Longitude:	-88.94559		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	5.		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring	Inven Date:	Not Reported
Const Date:	19690101		
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	122PCGL		
Aquifer type:	Not Reported		
Well depth:	734.	Source:	Not Reported
Hole depth:	Not Reported		
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1969-06-01	14.00	

B2
East
1/8 - 1/4 Mile
Higher

FED USGS USGS0579374

Agency:	USGS	Site ID:	302336088563101
Site Name:	M670 MYRTLE DAUGHTERY		
Dec. Latitude:	30.39409		
Dec. Longitude:	-88.94198		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	17.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring	Inven Date:	Not Reported
Const Date:	19801222		
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	122MOON		
Aquifer type:	Not Reported		
Well depth:	200	Source:	Not Reported
Hole depth:	200		
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-12-22	10.00	

A3
WSW
1/8 - 1/4 Mile
Lower

FED USGS USGS0579357

Agency:	USGS	Site ID:	302334088564601
Site Name:	M392 PAUL K LAMEY JR		
Dec. Latitude:	30.39298		
Dec. Longitude:	-88.94614		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	5.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring	Inven Date:	Not Reported
Const Date:	19700101		
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121GRMF		
Aquifer type:	Not Reported		
Well depth:	756	Source:	Not Reported
Hole depth:	Not Reported		
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1970-09-01	-15.00	

B4
ENE
1/8 - 1/4 Mile
Higher

FED USGS USGS0579458

Agency:	USGS	Site ID:	302342088563006
Site Name:	M005 BILOXI		
Dec. Latitude:	30.3952		
Dec. Longitude:	-88.9417		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	30.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring	Inven Date:	Not Reported
Const Date:	19520101		
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	122PCGL		
Aquifer type:	Not Reported		
Well depth:	865	Source:	Not Reported
Hole depth:	Not Reported		
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 8

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-05-01	65.96				
Note: The site had been pumped recently.					
1982-10-22	58.93				
Note: The site had been pumped recently.					
1979-08-07	10.85				
1972-11-28	46.13				
Note: The site had been pumped recently.					
1971-04-07	37.45				
Note: The site had been pumped recently.					
1969-11-05	39.25				
Note: The site had been pumped recently.					
1969-06-04	38.77				
Note: The site had been pumped recently.					
1968-09-11	42.55				
Note: The site had been pumped recently.					

5

NW

1/8 - 1/4 Mile
Higher

MS WELLS P07939

Permit:	MS-GW-08123	County:	47
Aquifer:	PCGLU	Latitude:	302346
Longitude:	885647	Well use:	Municipal
Source agent:	UPPER PASCAGOULA AQUIFER		
Well depth:	852		
Ownname:	BILOXI, CITY OF		
Appl name:	BILOXI, CITY OF		

C6

North

1/8 - 1/4 Mile
Higher

MS WELLS H2824

Well ID:	240001-05	Name:	CITY OF BILOXI
Wellid:	240001-05	Longitude:	885639
Latitude:	302349	County:	HARRISON
Type:	Community	Region:	1
Fips:	47		

C7

North

1/8 - 1/4 Mile
Higher

FRDS PWS MS0240001

PWS ID:	MS0240001	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	CITY OF BILOXI		
	JERRY MORGAN		
	P O BOX 429		
	BILOXI, MS 39533		

Treatment Objective: DISINFECTION
Treatment Process: GASEOUS CHLORINATION, POST
Source: Ground water

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Addressee / Facility:

Operator
CITY OF BILOXI
ANTHONY J. ELMER
195 MAIN ST.
BILOXI, MS 39530

Facility Latitude: 30 23 17.0000
Facility Latitude: 30 23 47.0000
Facility Latitude: 30 23 48.0000
Facility Latitude: 30 23 49.0000
Facility Latitude: 30 23 55.0000
Facility Latitude: 30 23 59.0000
Facility Latitude: 30 23 59.0000
Facility Latitude: 30 24 5.0000
Facility Latitude: 30 24 20.0000
Facility Latitude: 30 24 26.0000
Facility Latitude: 30 24 26.0000
City Served: BILOXI
Treatment Class: Treated

Facility Longitude: 80 52 53.0000
Facility Longitude: 88 54 10.0000
Facility Longitude: 88 56 5.0000
Facility Longitude: 88 56 39.0000
Facility Longitude: 88 59 56.0000
Facility Longitude: 88 52 20.0000
Facility Longitude: 88 54 12.0000
Facility Longitude: 88 58 49.0000
Facility Longitude: 88 57 58.0000
Facility Longitude: 88 53 17.0000
Facility Longitude: 88 58 39.0000

Population: 41908

PWS currently has or had major violation(s) or enforcement:

No

8
NNE
1/4 - 1/2 Mile
Higher

FED USGS USGS0579538

Agency: USGS
Site Name: M618 L M PAGE
Dec. Latitude: 30.39742
Dec. Longitude: -88.9417
Coord Sys: NAD83
State: MS
County: Harrison County
Altitude: Not Reported
Hydrologic code: 03170009
Topographic: Not Reported
Site Type: Ground-water other than Spring
Const Date: 19730101
Well Type: Single well, other than collector or Ranney type
Primary Aquifer: 111CSTLP
Aquifer type: Not Reported
Well depth: 30.0
Hole depth: Not Reported
Project no: Not Reported

Site ID: 302350088563001

Inven Date: Not Reported

Source: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-08-01	4.00	

D9
WSW
1/4 - 1/2 Mile
Lower

MS WELLS P01460

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit: MS-GW-01535 County: 47
 Aquifer: PGGLU Latitude: 302331
 Longitude: 885657 Well use: Commercial
 Source agen: UPPER PASCAGOULA AQUIFER
 Well depth: 734
 Ownname: EMERALD BEACH MOTOR HOTEL, INC.
 Appl name: EMERALD BEACH MOTOR HOTEL, INC.

D10
 WSW
 1/4 - 1/2 Mile
 Lower

FED USGS USGS0579338

Agency: USGS Site ID: 302331088566801
 Site Name: M207 PURE OIL CO
 Dec. Latitude: 30.39214
 Dec. Longitude: -88.94948
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 20.00
 Hydrologic code: 03170009
 Topographic: Flat surface
 Site Type: Ground-water other than Spring
 Const Date: 19670101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 655
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-02-01	10.00	

11
 West
 1/4 - 1/2 Mile
 Lower

FED USGS USGS0579358

Agency: USGS Site ID: 302334088570001
 Site Name: M241 ED BURT
 Dec. Latitude: 30.39298
 Dec. Longitude: -88.95003
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 5.00
 Hydrologic code: 03170009
 Topographic: Flat surface
 Site Type: Ground-water other than Spring
 Const Date: 19670101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 395
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1987-10-01	16.00	
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D12
 WSW
 1/4 - 1/2 Mile
 Lower

MS WELLS P01459

Permit: MS-GW-01534 County: 47
 Aquifer: POGLU Latitude: 302331
 Longitude: 885659 Well use: Commercial
 Source agen: UPPER PASCAGOULA AQUIFER
 Well depth: 703
 Ownname: EMERALD BEACH MOTOR HOTEL, INC.
 Appl name: EMERALD BEACH MOTOR HOTEL, INC.

13
 East
 1/4 - 1/2 Mile
 Higher

FED USGS USGS0579373

Agency: USGS Site ID: 302335088561501
 Site Name: M190 H S CAR WASH
 Dec. Latitude: 30.39409
 Dec. Longitude: -88.93753
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 20.00
 Hydrologic code: 03170009
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19660101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 807
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1966-08-01	22.00	
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

14
WNW
1/4 - 1/2 Mile
Higher

FED USGS USGS0579539

Agency: USGS
Site Name: M0351 HARRISON
Dec. Latitude: 30.39737
Dec. Longitude: -88.95033
Coord Sys: NAD83
State: MS
County: Harrison County
Altitude: 24.
Hydrologic code: 03170009
Topographic: Not Reported
Site Type: Ground-water other than Spring
Const Date: 19700101
Well Type: Single well, other than collector or Ranney type
Primary Aquifer: 122PCGL
Aquifer type: Not Reported
Well depth: 846.
Hole depth: Not Reported
Project no: Not Reported

Site ID:

302350088570501

Inven Date:

Not Reported

Source:

Not Reported

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-05-01	66.17				
Note: The site had been pumped recently.					
1982-10-22	62.80				
Note: The site had been pumped recently.					
1979-06-07	56.58		1970-04-01	30.00	

15
WNW
1/4 - 1/2 Mile
Higher

FED USGS USGS0579523

Agency: USGS
Site Name: M291 GUTIERREZ NIXON
Dec. Latitude: 30.39603
Dec. Longitude: -88.95142
Coord Sys: NAD83
State: MS
County: Harrison County
Altitude: 20.00
Hydrologic code: 03170009
Topographic: Flat surface
Site Type: Ground-water other than Spring
Const Date: 19680101
Well Type: Single well, other than collector or Ranney type
Primary Aquifer: 121GRMF
Aquifer type: Not Reported
Well depth: 685
Hole depth: Not Reported
Project no: Not Reported

Site ID:

302345088570501

Inven Date:

Not Reported

Source:

Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1968-12-01	15.00	

1968-12-01 15.00

16
WNW
1/2 - 1 Mile
Higher

FED USGS USGS0579468

Agency:	USGS	Site ID:	302344088571001
Site Name:	M199 K & B APTS		
Dec. Latitude:	30.39575		
Dec. Longitude:	-88.95281		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	25.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring	Inven Date:	Not Reported
Const Date:	19670101		
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121GRMF		
Aquifer type:	Not Reported		
Well depth:	700	Source:	Not Reported
Hole depth:	Not Reported		
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-01-01	18.00	

1967-01-01 18.00

17
NE
1/2 - 1 Mile
Higher

FED USGS USGS0579503

Agency:	USGS	Site ID:	302357098561501
Site Name:	M420 L L HAMMOND		
Dec. Latitude:	30.39937		
Dec. Longitude:	-88.93753		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	25.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring	Inven Date:	Not Reported
Const Date:	19700101		
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121CRNL		
Aquifer type:	Not Reported		
Well depth:	30.0	Source:	Not Reported
Hole depth:	Not Reported		
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1970-09-01	3.00	

1970-09-01 3.00

18
ENE
1/2 - 1 Mile
Higher

FED USGS USGS0579522

Agency:	USGS	Site ID:	302345089560701
Site Name:	M308 SEA SAN PARK		
Dec. Latitude:	30.39603		
Dec. Longitude:	-88.93531		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	20.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19690101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121GRMF		
Aquifer type:	Not Reported		
Well depth:	704		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1969-03-01	20.00	

1969-03-01 20.00

E19
East
1/2 - 1 Mile
Lower

FED USGS USGS0579372

Agency:	USGS	Site ID:	302338088560501
Site Name:	M113 E C THOMPSON		
Dec. Latitude:	30.39409		
Dec. Longitude:	-88.93475		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	23.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121GRMF		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1942-05-01	-6.00	

20
NW
1/2 - 1 Mile
Higher

FED USGS USGS0579595

Agency:	USGS	Site ID:	302402088565801
Site Name:	M069 C F BURKHARDT		
Dec. Latitude:	30.40075		
Dec. Longitude:	-88.94948		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	29.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19250101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121GRMF		
Aquifer type:	Not Reported		
Well depth:	720		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 31

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1954-04-02	10.70		1954-02-24	9.20	
1954-01-19	8.70		1952-09-27	17.10	
1952-03-28	12.60		1951-12-28	6.59	
1951-06-30	7.50		1951-03-31	7.63	
1950-12-30	2.20		1950-09-30	6.00	
1950-07-07	7.65		1948-12-31	0.07	
1948-04-16	2.24		1946-12-28	5.37	
1946-12-22	2.32		1946-07-18	3.21	
1946-05-09	2.45		1945-06-07	3.50	
1945-06-27	4.10		1945-05-16	4.80	
1945-05-06	4.10		1945-04-22	3.50	
1945-04-14	3.70		1945-04-08	3.60	
1945-04-01	3.80		1945-03-25	3.40	
1945-03-20	3.10		1944-04-16	3.10	
1942-05-26	2.20		1939-03-23	19.40	
1939-03-01	-2.00				

F21
ENE
1/2 - 1 Mile
Higher

MS WELLS P07948

Permit:	MS-GW-08132	County:	47
Aquifer:	MOCN	Latitude:	302353
Longitude:	885607	Well use:	Abandoned
Source agent:	MIOCENE AQUIFER SYSTEM		
Well depth:	1000		
Ownname:	BILOXI, CITY OF		
Appl name:	BILOXI, CITY OF		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E22
East
1/2 - 1 Mile
Higher

FED USGS USGS0579378

Agency: USGS
Site Name: M114 C H MOOLETT
Dec. Latitude: 30.39464
Dec. Longitude: -88.83392
Coord Sys: NAD83
State: MS
County: Harrison County
Altitude: 23.00
Hydrologic code: 03170009
Topographic: Not Reported
Site Type: Ground-water other than Spring
Const Date: Not Reported
Well Type: Single well, other than collector or Ranney type
Primary Aquifer: 121GRMF
Aquifer type: Not Reported
Well depth: 750
Hole depth: Not Reported
Project no: Not Reported

Site ID: 302340088560201

Inven Date: Not Reported

Source: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1939-03-01	-21.00	

F23
ENE
1/2 - 1 Mile
Higher

FED USGS USGS0579483

Agency: USGS
Site Name: M0730 HARRISON
Dec. Latitude: 30.39828
Dec. Longitude: -88.93478
Coord Sys: NAD83
State: MS
County: Harrison County
Altitude: 25.
Hydrologic code: 03170009
Topographic: Not Reported
Site Type: Ground-water other than Spring
Const Date: 19900427
Well Type: Single well, other than collector or Ranney type
Primary Aquifer: 122PCGL
Aquifer type: Not Reported
Well depth: 845.
Hole depth: 907
Project no: Not Reported

Site ID: 302348088560501

Inven Date: Not Reported

Source: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-05-23	62	

F24
ENE
1/2 - 1 Mile
Higher

MS WELLS P11376

Permit:	MS-GW-11659	County:	47
Aquifer:	PCGLU	Latitude:	302354
Longitude:	885805	Well use:	Municipal
Source agent:	UPPER PASCAGOULA AQUIFER		
Well depth:	850		
Ownname:	BILOXI, CITY OF		
Appl name:	BILOXI, CITY OF		

25
NNE
1/2 - 1 Mile
Higher

FED USGS USGS0579672

Agency:	USGS	Site ID:	302410088563001
Site Name:	M631 JOE GAUTHBEAUX		
Dec. Latitude:	30.40298		
Dec. Longitude:	-88.9417		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	Not Reported		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19730101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	111CSTLP		
Aquifer type:	Not Reported		
Well depth:	30.0		
Hole depth:	Not Reported		
Project no:	Not Reported		
Source:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-06-01	4.00	

26
West
1/2 - 1 Mile
Higher

FED USGS USGS0579411

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	302335088571801
Site Name:	M479 SOUTHWIND MOTEL		
Dec. Latitude:	30.39325		
Dec. Longitude:	-88.96503		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	15.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19660101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121 GRMF		
Aquifer type:	Not Reported		
Well depth:	690		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1966-05-01 11.00

27
WSW
1/2 - 1 Mile
Lower

MS WELLS P14263

Permit:	MS-GW-14755	County:	47
Aquifer:	PCGLU	Latitude:	302330
Longitude:	885718	Well use:	Commercial
Source agen:	UPPER PASCAGOULA AQUIFER		
Well depth:	716		
Ownname:	MLADINICH, A. JAKE, II AND JUNE S.		
Appl name:	TREASURE BAY CORPORATION		

28
NNE
1/2 - 1 Mile
Higher

FED USGS USGS0579551

Agency:	USGS	Site ID:	302354088556701
Site Name:	M873 CHART HOUSE INC		
Dec. Latitude:	30.40242		
Dec. Longitude:	-88.93864		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	24.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19810709	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 121GRNL
 Aquifer type: Not Reported
 Well depth: 75.0
 Hole depth: 80.0
 Project no: Not Reported
 Source: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1981-07-09	25.00	

29
 NE
 1/2 - 1 Mile
 Higher

MS WELLS H2813

Well ID:	240001-03	Name:	CITY OF BILOXI
Wellid:	240001-03	Longitude:	885605
Latitude:	302957	County:	HARRISON
Type:	Community	Region:	1
Fips:	47		

30
 North
 1/2 - 1 Mile
 Higher

FED USGS USGS0579632

Agency:	USGS	Site ID:	302415088564201
Site Name:	M080 V A HOSPITAL		
Dec. Latitude:	30.40436		
Dec. Longitude:	-88.94503		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	30.00		
Hydrologic code:	08170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19400101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	122PCGL		
Aquifer type:	Not Reported		
Well depth:	1245	Source:	Not Reported
Hole depth:	Not Reported		
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1939-09-01	44.00	

31
 NW
 1/2 - 1 Mile
 Higher

FED USGS USGS0579562

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: USGS Site ID: 302400088571501
 Site Name: M635 BEN HOFFMAN
 Dec. Latitude: 30.4002
 Dec. Longitude: -88.9542
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: Not Reported
 Hydrologic code: 03170009
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19730101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 111CSTLP
 Aquifer type: Not Reported
 Well depth: 30.0
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-07-01	4.00	

32
 West
 1/2 - 1 Mile
 Higher

FED USGS USGS0579333

Agency: USGS Site ID: 302333088574901
 Site Name: M182 JOHN MLADINICH
 Dec. Latitude: 30.39298
 Dec. Longitude: -88.9567
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 20.
 Hydrologic code: 03170009
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19660101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 716.
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-05-01	19.00	

G33
 ENE
 1/2 - 1 Mile
 Higher

FED USGS USGS0578295

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	302354088555101
Site Name:	M079 U S AIR FORCE		
Dec. Latitude:	30.39853		
Dec. Longitude:	-88.93114		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	20.		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19510101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121 GRMF		
Aquifer type:	Not Reported		
Well depth:	640.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1984-11-01	25.00	
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G34
ENE
1/2 - 1 Mile
Higher

MS WELLS P02151

Permit:	MS-GW-02240	County:	47
Aquifer:	GRMFL	Latitude:	302355
Longitude:	885552	Well use:	Institutional
Source agen:	LOWER GRAHAM FERRY AQUIFER		
Well depth:	642		
Ownname:	KEESLER AFB 81 TRW/JA		
Appl name:	KEESLER AFB 81 TRW/JA		

35
East
1/2 - 1 Mile
Higher

FED USGS USGS0579446

Agency:	USGS	Site ID:	302343088554801
Site Name:	M461 JERAL REAUX		
Dec. Latitude:	30.39548		
Dec. Longitude:	-88.93003		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	15.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19630101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 122PCGL
 Aquifer type: Not Reported
 Well depth: 851
 Hole depth: Not Reported
 Project no: Not Reported
 Source: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-10-01	-7.00	

1963-10-01 -7.00

H36
West
1/2 - 1 Mile
Higher

FED USGS USGS0579369

Agency: USGS Site ID: 302337088573001
 Site Name: M179 BRYAN MOTEL
 Dec. Latitude: 30.39381
 Dec. Longitude: -88.95837
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 10.00
 Hydrologic code: 03170009
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19660101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 890
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-04-01	20.00	

1966-04-01 20.00

I37
NNW
1/2 - 1 Mile
Higher

FED USGS USGS0579721

Agency: USGS Site ID: 302421088565201
 Site Name: M082 U S AIR FORCE
 Dec. Latitude: 30.40603
 Dec. Longitude: -88.94781
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 20.00
 Hydrologic code: 03170009
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19610101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 684
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

H38
 West
 1/2 - 1 Mile
 Higher

FED USGS USGS0579418

Agency: USGS Site ID: 302337088573101
 Site Name: M183 BRYAN MOTEL
 Dec. Latitude: 30.39381
 Dec. Longitude: -88.95864
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 10.00
 Hydrologic code: 03170009
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19660101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 690
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-05-01	12.00	

H39
 West
 1/2 - 1 Mile
 Higher

FED USGS USGS0579375

Agency: USGS Site ID: 302338088573101
 Site Name: M111 WIPPER & MARTIN
 Dec. Latitude: 30.39409
 Dec. Longitude: -88.95864
 Coord Sys: NAD83
 State: MS
 County: Harrison County
 Altitude: 19.00
 Hydrologic code: 03170009
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19390101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 121GRMF
 Aquifer type: Not Reported
 Well depth: 734
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1939-03-01	-32.00	

1939-03-01 -32.00

H40
West
1/2 - 1 Mile
Higher

FED USGS USGS0579380

Agency:	USGS	Site ID:	302840088573101
Site Name:	M112 WIPPER & MARTIN		
Dec. Latitude:	30.39464		
Dec. Longitude:	-88.95864		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	21.00		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121GRMF		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

41
NNE
1/2 - 1 Mile
Higher

FED USGS USGS0578263

Agency:	USGS	Site ID:	302420088561901
Site Name:	M546 TUDOR CONSTN CO		
Dec. Latitude:	30.40575		
Dec. Longitude:	-88.93864		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	25.		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	122PCGL		
Aquifer type:	Not Reported		
Well depth:	628.		
Hole depth:	Not Reported	Source:	driller
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1972-09-01	27.	

1972-09-01 27.

42
NE
1/2 - 1 Mile
Higher

FED USGS USGS0579671

Agency:	USGS	Site ID:	302410088560101
Site Name:	M603 GISTENEK JR		
Dec. Latitude:	30.40298		
Dec. Longitude:	-88.93364		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	Not Reported		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19730101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121CRNL		
Aquifer type:	Not Reported		
Well depth:	30.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-04-01	3.00	

1973-04-01 3.00

143
NNW
1/2 - 1 Mile
Higher

MS WELLS P02150

Permit:	MS-GW-02239	County:	47
Aquifer:	PCGLU	Latitude:	302425
Longitude:	885653	Well use:	Institutional
Source agen:	UPPER PASCAGOULA AQUIFER		
Well depth:	817		
Ownname:	KEESLER AFB 81 TRW/JA		
Appl name:	KEESLER AFB 81 TRW/JA		

44
ENE
1/2 - 1 Mile
Higher

MS WELLS H2811

Well ID:	240049-11	Name:	KEESLER AIR FORCE BASE
Wellid:	240049-11	Longitude:	885548
Latitude:	302359	County:	HARRISON
Type:	Community	Region:	1
Fips:	47		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

45

East
1/2 - 1 Mile
Lower

FED USGS USGS0578330

Agency:	USGS	Site ID:	302338088554101
Site Name:	M649 EDWARD FRAZIER		
Dec. Latitude:	30.39409		
Dec. Longitude:	-88.92809		
Coord Sys:	NAD83		
State:	MS		
County:	Harrison County		
Altitude:	Not Reported		
Hydrologic code:	03170009		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19780403	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	122MOCN		
Aquifer type:	Not Reported		
Well depth:	546		
Hole depth:	546	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1978-04-03 40.00

46

NNW
1/2 - 1 Mile
Higher

MS WELLS H2792

Well ID:	240049-12	Name:	KEESLER AIR FORCE BASE
Wellid:	240049-12	Longitude:	885651
Latitude:	302427	County:	HARRISON
Type:	Community	Region:	1
Fips:	47		

47

North
1/2 - 1 Mile
Higher

MS WELLS P02143

Permit:	MS-GW-02232	County:	47
Aquifer:	GRMFL	Latitude:	302430
Longitude:	885634	Well use:	Institutional
Source agen:	LOWER GRAHAM FERRY AQUIFER		
Well depth:	640		
Ownname:	KEESLER AFB 81 TRW/JA		
Appl name:	KEESLER AFB 81 TRW/JA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MS Radon

Radon Test Results

County	Num Sites	Avg pCi/L	Max pCi/L	Median pCi/L	% > 4 pCi/L	% > 20 pCi/L
HARRISON	40	0.3	2.0	0.3	0	0

Federal EPA Radon Zone for HARRISON County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 39531

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

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.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Mississippi Water Wells

Source: MARIS

Telephone: 601-982-6128

RADON

State Database: MS Radon

Source: Department of Health

Telephone: 601-987-6893

Radon Levels

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

APPENDIX D

TRANSACTION SCREEN QUESTIONNAIRE

*Moran, Seymour & Associates, Inc.
249 Beauvoir Road
Biloxi, Mississippi 39531*

E:1528

itself, permit a user to conclude that no further inquiry is appropriate, then the user should consider other information obtained from the transaction screen process relating to this question. For example, while on the site performing a site visit, a person may find a storage tank on the property and therefore answer Question 10 of the transaction screen questionnaire in the affirmative. However, during or subsequent to the owner/occupant inquiry, the owner may produce evidence that substances now or historically contained in the tank (e.g., water) are not likely to cause contamination.

5.6.3 If either the guide to the question or other information obtained during the transaction screen process does not permit a user to conclude no further inquiry is appropriate with respect to such question, then the user must determine, in the exercise of the user's reasonable business judgment, based upon the totality of unresolved affirmative answers or answers of unknown received during the transaction screen process, whether further inquiry may be limited to those specific issues identified as of concern or should proceed with a full Phase I Environmental Site Assessment.

5.7 Presumption—A presumption exists that further inquiry is necessary if an affirmative answer is given to a question because the answer was unknown or no response was given. In rebutting this presumption, the user should evaluate information obtained from each component of the transaction screen process and consider whether sufficient information has been obtained to conclude that no further inquiry is necessary. The user must determine, in the exercise of the user's reasonable business judgment, the scope of such further inquiry: whether to proceed with a Phase I Environmental Site Assessment prepared in accordance with Practice E 1527 or a lesser inquiry directed at specific issues raised by the questionnaire.

5.8 Further Inquiry Under Practice E 1527—Upon completing the transaction screen questionnaire, if the user concludes that a Phase I Environmental Site Assessment is needed, the user should proceed with such inquiry with the advice and guidance of an environmental professional. Such further inquiry should be undertaken in accordance with Practice E 1527.

5.9 Signature—The user and the preparer of the transaction screen questionnaire must complete and sign the questionnaire as provided at the end of the questionnaire.

6. Transaction Screen Questionnaire

6.1 Persons to be Questioned—The following questions should be asked of (1) the current owner of the property, (2) any major occupant of the property or, if the property does not have any major occupants, at least 10 % of the occupants of the property, and (3) in addition to the current owner and the occupants identified in (2), any occupant likely to be using, treating, generating, storing or disposing of hazardous substances or petroleum products on or from the property. A major occupant is any occupant using at least 40 % of the leasable area of the property or any anchor tenant when the property is a shopping center. In a multifamily property containing both residential and commercial uses, the preparer does not need to ask questions of the residential occupants. The preparer should ask each person to answer all questions to the best of the respondent's actual knowledge and in good faith. When completing the site visit column, the preparer should be sure to observe the property and any buildings and other structures on the property. The guide provides further details on the appropriate use of this questionnaire.

Description of Site Address:

1762 ++ BEAL BLVD.
Biloxi, MS. 39501

Question	Owner?	Occupants (if applicable)	Observed During Site Visit
1. Is the property or any adjoining property used for an industrial use?	Yes ☒ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐
2. To the best of your knowledge, has the property or any adjoining property been used for an industrial use in the past?	Yes ☐ No ☒ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐
3. Is the property or any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes ☐ No ☒ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐
4. To the best of your knowledge has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes ☐ No ☒ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐

*Unk = "unknown" or "no response."

(11) E 152B

Questions	Owner ¹	Occupants (If applicable)	Observed During Site Visit						
	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
5. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
6. Are there currently, or to the best of your knowledge have there been previously, any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
7. Has <i>fill dirt</i> been brought onto the property that originated from a contaminated site or that is of an unknown origin?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
8. Are there currently, or to the best of your knowledge have there been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
9. Is there currently, or to the best of your knowledge has there been previously, any raised soil on the property?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the property?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
12. Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
13. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guideline applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
14. Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
15. Has the owner or occupant of the property been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
16. Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk

E 1528

Questions	Owner?	Occupants (if applicable)	Observed During Site Visit
17. Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes ☐ No ☒ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐
18. Does the property discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes ☐ No ☒ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐
19. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?	Yes ☐ No ☒ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes ☐ No ☒ Unk ☐	Yes ☐ No ☐ Unk ☐	Yes ☐ No ☐ Unk ☐

Government Records/Historical Sources Inquiry
(See guide, Section 10)

21. Do any of the following Federal government record systems list the property or any property within the circumference of the area noted below:

- National Priorities List—within 1.0 mile (1.6 Km)?
- CERCLIS List—within 0.5 mile (0.8 Km)?
- RCRA TSD Facilities—within 1.0 mile (1.6 Km)?

Yes ☐ No ☐
Yes ☐ No ☐
Yes ☐ No ☐

22. Do any of the following state record systems list the property or any property within the circumference of the area noted below:

- List maintained by state environmental agency of hazardous waste sites identified for investigation or remediation that is the state agency equivalent to NPL—within approximately 1.0 mile (1.6 Km)?
- List maintained by state environmental agency of sites identified for investigation or remediation that is the state equivalent to CERCLIS—within 0.5 mile (0.8 Km)?
- Leaking Underground Storage Tank (LUST) List—within 0.5 mile (0.8 Km)?
- Solid Waste/Landfill Facilities—within 0.5 mile (0.8 Km)?

Yes ☐ No ☐
Yes ☐ No ☐
Yes ☐ No ☐
Yes ☐ No ☐

23. Based upon a review of fire insurance maps or consultation with the local fire department serving the property, all as specified in this guide, are any buildings or other improvements on the property or on an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?

Yes ☐ No ☐ N/A ☐

The preparer of the questionnaire must complete and sign the following statement. (For definition of "preparer" and "user," see 3.3 or 3.3.25.)

This questionnaire was completed by:

Name _____
Title _____
Firm _____
Address _____

Phone number _____
Date _____

If the preparer is different than the user, complete the following:

Name of user _____
User's address _____

User's phone number _____
Preparer's relationship to site _____
Preparer's relationship to user (for example, principal, employee, agent, consultant) _____

Copies of the completed questionnaire have been filed at:

Copies of the completed questionnaire have been mailed or delivered to:

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Signature _____ Date _____
Signature _____ Date _____
Signature _____ Date _____