M.2 - SITE MAINTENANCE FORM

34239

EPA ID : ALD008163388

SITE NAME: DIAMOND SHAMROCK CORP SOURCE: H

STREET : 1300 JARVIS RD CONG DIST: 01

CITY : MOBILE ZIP: 36611

CNTY NAME: MOBILE CNTY CODE : 097

LATITUDE : 33/31/30.0 LONGITUDE : 086/51/45.0

LL-SOURCE: R LL-ACCURACY:

SMSA : 5160 HYDRO UNIT: 03160204

INVENTORY IND: Y REMEDIAL IND: Y REMOVAL IND: N FED FAC IND: N

NPL IND: N NPL LISTING DATE: NPL DELISTING DATE:

SITE/SPILL IDS:

RPM NAME: RPM PHONE: - -

SITE CLASSIFICATION: SITE APPROACH:

DIOXIN TIER: REG FLD1: REG FLD2: 4

RESP TERM: PENDING ( ) NO FURTHER ACTION ( )

ENF DISP: NO VIABLE RESP PARTY ( ) VOLUNTARY RESPONSE ( )
ENFORCED RESPONSE ( ) COST RECOVERY ( )

SITE DESCRIPTION:

* ACTION: _ *

PENDING (_) NO FURTHER ACTION (_)

M.2 - PROGRAM MAINTENANCE FORM

* ACTION: _ *

SITE: DIAMOND SHAMROCK CORP

EPA ID: ALD008163388 PROGRAM CODE: H01 PROGRAM TYPE: * _ *

PROGRAM QUALIFIER: ALIAS LINK : * ___ __ *

PROGRAM NAME: SITE EVALUATION * _____ *

DESCRIPTION:

* _____ *

* _____ *

* _____ *

* _____ *

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: DIAMOND SHAMROCK CORP
PROGRAM: SITE EVALUATION

EPA ID: ALD008163388 PROGRAM CODE: H01 EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E * _ ___ _ *

EVENT NAME: DISCOVERY STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START:	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 06/01/76	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: DIAMOND SHAMROCK CORP
PROGRAM: SITE EVALUATION

EPA ID: ALD008163388 PROGRAM CODE: H01 EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: * _ ___ _ *

EVENT NAME: PRELIMINARY ASSESSMENT STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START:	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 12/01/79	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %
			0

* _____ _____ __ ___ *

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: DIAMOND SHAMROCK CORP
PROGRAM: SITE EVALUATION

EPA ID: ALD008163388 PROGRAM CODE: H01 EVENT TYPE: PA2

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S * _ ___ _ *

EVENT NAME: PRELIMINARY ASSESSMENT STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 09/12/85	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 09/12/85	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: DIAMOND SHAMROCK CORP
PROGRAM: SITE EVALUATION

EPA ID: ALD008163388 PROGRAM CODE: H01 EVENT TYPE: SI1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: * _ __ _ *

EVENT NAME: SITE INSPECTION STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 12/01/79	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP :	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	__

M.2 - COMMENT MAINTENANCE FORM

SITE: DIAMOND SHAMROCK CORP

EPA ID: ALD008163388

COM NO	COMMENT	ACTION
001	PART A- ON FILE 103 (C) NOTIFICATIO	_
	N ON FILE	
002	P A ON FILE.	_

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
AL	D008163388

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Diamond Shamrock Corp	1300 Jarvis Rd.				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Mobile	AL	36614	Mobile	097	01
09 COORDINATES LATITUDE	LONGITUDE				
30 45 15.0	088 04 01.0				

10 DIRECTIONS TO SITE (Starting from nearest public road)
1300 Jarvis Rd. (off U.S. 43)

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)		
Diamond Shamrock Corp	1149 Ellsworth Drive		
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Pasadena	TX	77501	(713) 476-1250
07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)		
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☒ A. RCRA 3001 DATE RECEIVED: 11 18 80 (MONTH DAY YEAR) ☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 11 16 80 (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES DATE 11 16 84 (MONTH DAY YEAR)
☐ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1964 | _____ (BEGINNING YEAR / ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Wastewater treatment sludge from the mercury cell process in chlorine production (K106)

* 05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Small Potential Hazard. There has been no on-site disposal of hazardous waste. The facility is RCRA regulated

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)			03 TELEPHONE NUMBER
Steve Maurer Sm	ADEM			(205) 271-7728
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Jim Duncan		EPS	(601) 922-8242	07 29 85 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
AL	D008163388

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☒ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS UNKNOWN
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	UNKNOWN		Containing Mercury
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS	UNKNOWN		Containing Mercury
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SLU	treatment sludge	7439976			
IOC	Brine Muds	7439976			

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

ADEM Land and Water Files, Conversation with Ed Seitz of Diamond Shamrock.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
AL	D008163388

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Groundwater wells have not been installed

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: N/A (Acres)
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION N/A

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION *(Include name(s) of species)*
N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES *(Spills/runoff/standing liquids/leaking drums)* — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION *(Cite specific references, e. g., state files, sample analysis, reports)*

July 18, 1985

Mr. Ed Seitz
Technical Superintendent
Diamond Shamrock Chemicals Company
1300 Jarvis Road
Mobile, Alabama 36614-1099

Dear Mr. Seitz:

On March 31, 1985, the Alabama Department of Environmental Management (ADEM) received a grant from the U. S. Environmental Protection Agency (EPA) to conduct a CERCLA Hazardous Waste Site Inventory Program.

The purpose of the inventory program is to screen and evaluate potential hazardous waste sites and identify any public health or environmental problems these sites may pose.

The list of sites to be screened is determined by EPA, and includes primarily those companies that notified under Section 3005 of RCRA or Section 103(c) of CERCLA (the legislation establishing Superfund).

Since this is a one-time, nonrecurring appropriation, ADEM has elected to complete the inventory by use of a private contractor. Environmental Protection Systems, Inc. (EPS), Jackson, Mississippi, has been selected to perform the necessary work.

The first task of EPS will be to review information in ADEM files. However, in order to verify certain information and fill in data gaps, it will be necessary for EPS to contact each company on the inventory list, by telephone. Telephone contacts will be made within a nine-month period, beginning on July 23, 1985.

In some cases, an inspection will be necessary in order to complete the site assessment report. The inspection phase of the inventory is currently scheduled for October 1985 through March 1986.

In order to carry out this program in a reasonable and timely manner, with a minimum of inconvenience to you, I respectfully request your cooperation and assistance.

If you have any questions about the project, please contact me at (205) 271-7728.

Sincerely,

Stephen C. Maurer, Chief
Special Services Program
Land Division

SCM/bw

rec'd 1/21/82

MEMORANDUM ON CONFIDENTIAL TREATMENT OF CERTAIN INFORMATION

This Agreement is between Diamond Shamrock Corporation, with World Headquarters in Dallas, Texas (hereinafter "Diamond Shamrock") and _____ _____ *whose address is* _____ _____ *(hereinafter the "Contractor"). Contractor represents that it is the authorized representative of the U.S. Environmental Protection Agency (EPA) for conducting a compliance inspection in accordance with* _____ *at Diamond Shamrock's plant located at* _____ _____. *In conducting the inspection, contractor is carrying out its obligations to EPA under Contract No.* _____ *(hereinafter the "Contract"). Diamond Shamrock is willing to permit such inspection upon contractor's agreement to the terms and conditions contained in this memorandum.*

2. The information obtained during such inspection may be either documentary (e.g., records or charts) or non-documentary (e.g., oral communications, taking of photographs, samples of chemical wastes, or visual observations). EPA recognizes that Diamond Shamrock may consider the information so provided, or some part of it, to be confidential. Diamond Shamrock may assert a claim of confidentiality under the procedures established in Part 2 of Title 40 of the Code of Federal Regulations (40 CFR Part 2) by noting such claim on documentary material provided to the contractor. The contractor will note such claim when submitting the information to EPA. Moreover, Diamond Shamrock may notify the contractor that it considers the non-documentary information disclosed to the contractor to be confidential, and the contractor will note said claim of confidentiality in any reports or documents submitted to EPA which utilize such non-documentary information. Any material or information claimed as confidential will be treated by the contractor as confidential in accordance with the Contract and this Memorandum and will be treated by EPA in accordance with the provisions of 40 CFR Part 2. Any material or information for which a claim of confidentiality is not made may be made available to the public by EPA without notice to Diamond Shamrock.

3. The provisions in the Contract concerning the use and disclosure of confidential information are included therein for the benefit of, and shall be enforceable by, both EPA and Diamond Shamrock.

The provisions of the Contract provides, and contractor agrees with Diamond Shamrock as follows:

a. The contractor and its employees will: (i) use the information claimed to be confidential only for the purposes of carrying out the work required by the Contract; (ii) not disclose the information to anyone other than EPA employees without the prior written approval of the Deputy Associate General Counsel for Contracts and General Administration; and (iii) return to the EPA Contracting Officer all copies of the information, and all abstracts or excerpts therefrom, in which the origin of the information is identifiable, upon request by the Contracting Officer,

whenever the information is no longer required by the contractor for the performance of the work required by the Contract, or upon completion of the Contract.

b. The contractor will obtain a written agreement to honor the provisions of paragraph 3(a) from each of its employees who will have access to the information, before the employee is allowed access.

c. The contractor will not use information claimed to be confidential to compete with Diamond Shamrock unless said information was: (i) at the time of use determined by EPA under 40 CFR Part 2 to be non-confidential; or (ii) independently perfected by contractor or was otherwise in contractor's lawful possession prior to disclosure and had not been obtained by contractor either directly or indirectly from Diamond Shamrock; or (iii) lawfully received by contractor after disclosure from a third party which did not acquire the information under an obligation of confidentiality either directly or indirectly from Diamond Shamrock.

d. Before entering into any subcontract that will involve either the disclosure to a subcontractor by the contractor of information claimed to be confidential, or the collection of information by a subcontractor, the contractor will obtain the written consent of the EPA Contracting Officer, after a written determination by the appropriate EPA program office.

The foregoing terms are hereby incorporated by reference into this Memorandum, and shall constitute an obligation of contractor to Diamond Shamrock by virtue of inclusion herein.

4. Contractor further agrees as follows:

a. Not to disclose the information claimed to be confidential to anyone other than the EPA employees involved in the carrying out of the Contract without the prior consent of Diamond Shamrock;

b. If the EPA does not request the return to EPA of the information claimed to be confidential upon completion of the Contract or whenever such information is no longer required by contractor, contractor shall return all copies, abstracts, and excerpts of such information to Diamond Shamrock upon its request.

5. Any subcontractor who will have access to the information shall be subject to the restrictions set forth in this memorandum. Contractor agrees to include all of the terms of this Memorandum in all subcontracts awarded pursuant to the Contract that require the furnishing of the information to the subcontractor, with a specific provision that the Memorandum is for the benefit of and shall be enforceable by Diamond Shamrock. Provided, however, that a subcontractor whose sole receipt of confidential information is limited to samples for the purpose of analysis, need not execute a similar Memorandum, if such samples are unidentified as coming from Diamond Shamrock and the sampling contractor receives no other confidential information, or facts from which Diamond Shamrock could be identified.

6. This Memorandum contains the complete understanding of the parties with respect to the subject matter discussed herein.

7. Nothing in this Memorandum relieves the contractor of any liability it may independently have to Diamond Shamrock as a matter of statutory or common law for injury to Diamond Shamrock arising from the contractor's release of information in a manner which exceeds its authority under this Memorandum, 40 CFR Part 2, or its contract with EPA.

CONTRACTOR	DIAMOND SHAMROCK CORPORATION
By _____	By _____
	Title _____
Date _____	Date _____

POOR LEGIBILITY

PORTIONS OF THIS DOCUMENT MAY BE UNREADABLE, DUE TO THE QUALITY OF THE ORIGINAL

WINDSHIELD SURVEY FORM

1. NAME OF SITE ON ERRIS: Diamond Shamrock Corp.

2. EPA I.D. NUMBER OF SITE: ALD 008 163 388

3. STREET ADDRESS OR DIRECTIONS TO SITE: (See attached map):
1300 Jarvis Rd. (Off U.S. 43)

4. CITY: Mobile

5. COUNTY: Mobile

6. STATE: Alabama ZIP CODE: 36614-1099

7. TELEPHONE NUMBER: (205) 457-8651

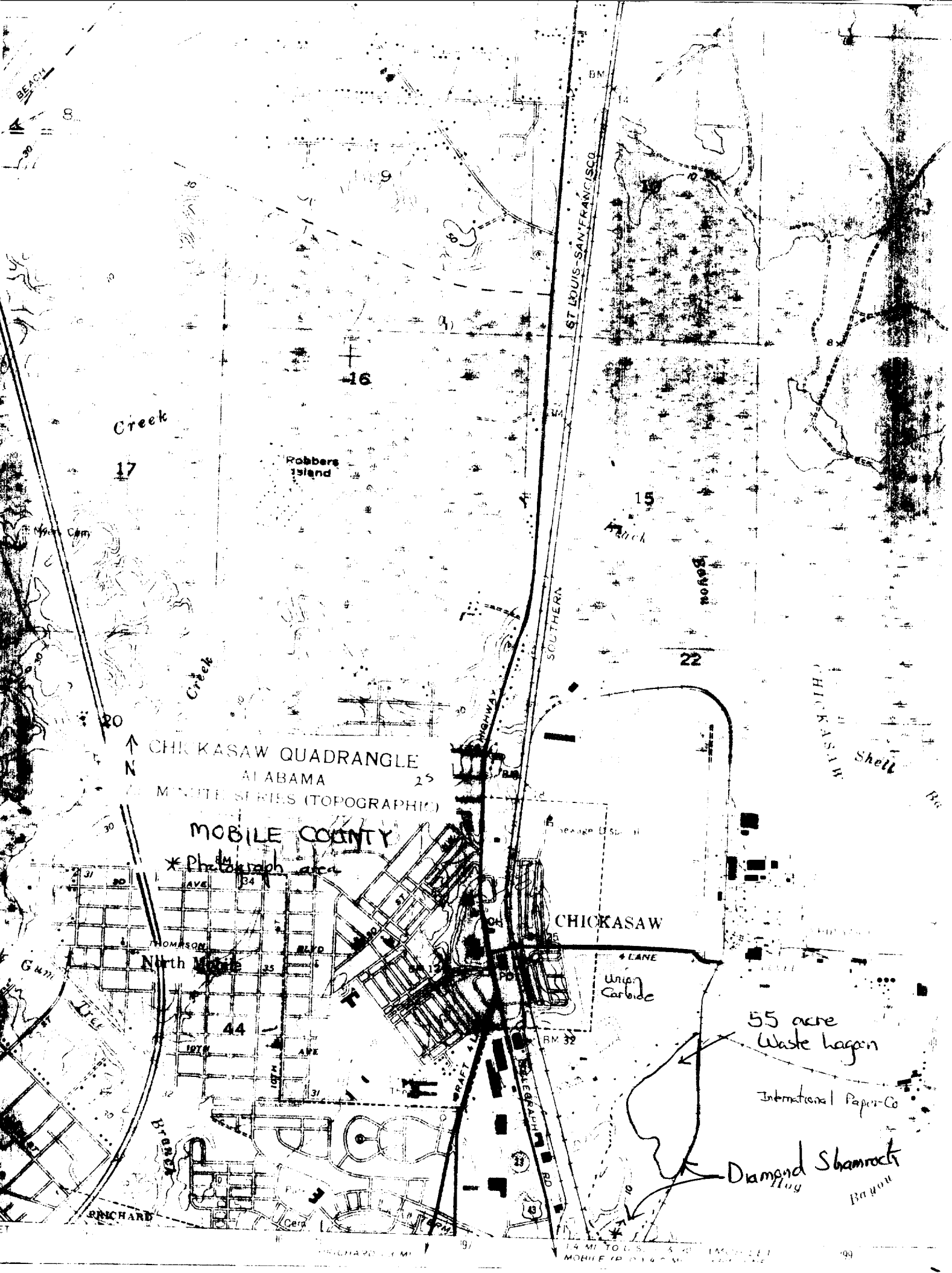
8. PERSON CONDUCTING SURVEY: Steve Maurer - ADEM

9. DATE OF SURVEY: 7/9/85 TIME OF SURVEY: 5:45 A.M.

10. DESCRIPTION OF SITE AND SURROUNDING AREA: Active company, access to area restricted. Very large lagoon areas around plant

11. DESCRIPTION OF AREAS PHOTOGRAPHED: Photos taken of entrance to company.

12. OTHER COMMENTS: Extensive sample results of Lagoon in Industrial Waste file.
Mr. Ed Seitz
Technical Superintendent
Diamond Shamrock Chemicals Company
1300 Jarvis Road
Mobile, Alabama 36614-1099



CHICKASAW QUADRANGLE
ALABAMA
MINUTE SERIES (TOPOGRAPHIC)
MOBILE COUNTY
* Photograph area
CHICKASAW
North Mobile
Union Carbide
55 acre Waste Lagoon
International Paper Co
Diamond Shamrock
Creek
Robbers Island
ST LOUIS-SAN FRANCISCO
SOUTHERN
HIGHWAY
CHICKASAW
Shell
Bayou
Hog
Branch
PRICHARD
THOMPSON
BLVD
AVE
10TH
4 LANE
BM 32

UNSCANNABLE

MEDIA

(PHOTOGRAPHS)

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

LAND PROGRAM

1984 Hazardous Waste Generator and On-Site TSD Facility Annual Report

NOTE: Read all instructions prior to completing this form.

I. Installation EPA ID Number: A L D 0 0 8 1 6 3 3 8 8

II. Name of Installation: DIAMOND SHAMROCK CHEMICALS COMPANY

III. Location of Installation: 1300 JARVIS ROAD
(Street or Route Number)

MOBILE	MOBILE	ALABAMA	36614
(City or Town)	(County)	(State)	(Zip Code)

IV. Installation Contact: Ed Seitz (Name) 205 (Area Code) 457-8651 (Telephone Number)

V. Waste Identification:

Line Number	A. EPA Waste Number	B. Description of Waste	C. Quantity Generated (LBS)	D. Amount of Waste by Handling Method: 1. Handling Method Code	2. Quantity Stored, Treated Disposed, or Recovered On-Site Estimate	Shipped to Off-Site Treatment Disposal, or Recovery Facility: 3. Quantity	4. Facility EPA ID No./Recovery Facility Name
1.	K106/ K071	Composite Sludge and	1,246,560	D -80		1,246,560	ALD000622464
2.	D009	Trash					C.W.M.: Emelle, AL
3.							
4.	K071	Brine Muds	630,000	S04	630,000		
5.							

(If more space is needed, check [X] and complete Attachment I)

VI. Closure Cost Estimate for Facilities $ 700,000.00

VII. Cost Estimate for Post-Closure Monitoring and Maintenance (Disposal Facility Only) $ Not Applicable

VIII. Certification:

(Signature)	A. E. Seitz (Print or Type Name)	Technical Superintendent (Title)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

MAY 1985 RECEIVED ADEM LAND DIVISION

Attachment I

V. Waste Identification:

Line Number	A. EPA Waste Number	B. Description of Waste	C. Quantity Generated (LBS)	D. Amount of Waste by Handling Method			
				1. Handling Method Code	2. Quantity Stored, Treated Disposed, or Recovered On-Site	Shipped to Off-Site Treatment, Disposal, or Recovery Facility	
						3. Quantity	4. Facility EPA ID No./Recovery Facility Name
1.	D009	Mercury Contaminated	20,260	D-80		20,260	ALD000622464/
2.		Solids					C.W.M. Emelle, AL.
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							

Diamond Shamrock
(Mobile Co)

May 19, 1981

Mr. Mel Skaggs
Environmental Services
Diamond Shamrock Corporation
1149 Ellsworth Drive
Pasadena, Texas 77501

Dear Mr. Skaggs:

This is in reference to your letter of May 5, 1981, regarding sampling performed at the inactive lagoon on your Mobile Plant property. Based upon the sampling information you have supplied to this office and results of sampling performed by us, it is our opinion that the hazardous constituents in the lagoon are in such small quantitities that they pose no harm to the environment. This information will be submitted to EPA as part of our input under the Eckhart report.

Should you have questions or comments, please feel free to contact this office.

Sincerely,

Bernard E. Cox, Jr., Chief
Hazardous Waste Section
Division of Solid and Hazardous Waste
Environmental Health Administration

BEC:bw

cc: Mr. Joel Veater - EPA Report
EPA Region IV

C/F ~~Do~~ Eckhart File
Diamond Shamrock - Mobile

SOUTHWEST RESEARCH INSTITUTE

POST OFFICE DRAWER 28510 · 6220 CULEBRA ROAD · SAN ANTONIO, TEXAS 78284 · (512) 684-5111

DIVISION OF CHEMISTRY
AND CHEMICAL ENGINEERING

April 11, 1981

Diamond Shamrock Corporation
Gulf Coast Area
1149 Ellsworth Drive
Pasadena, Texas 77501

Attention: Mr. Al Swift
Environmental Services

Subject: Final Laboratory Report on EP Toxicity Test (Metals Only) on Soil Samples from Diamond Shamrock's Mobile Alabama Plant (date of sample receipt - 3/17/81)
SwRI Project 01-6508-001
Diamond Shamrock P.O. No. AA 1044535-084

Dear Sir:

Attached please find the laboratory results for the EP toxicity metals on the seventy-one (71) soil samples received in our laboratory on 3/17/81.

Laboratory procedures were in accordance with those specified in the Federal Register, Monday, May 19, 1980, Environmental Protection Agency, Hazardous Waste and Consolidated Permit Regulations, Part III, page 33127. Analysis of the metals in the leachates was performed by Atomic Absorption Spectrophotometry using either furnace or flame procedures.

All analyses presented have been thoroughly reviewed for calculations and typographical errors by our review committee. I therefore certify that all data is accurate.

Thank you for the opportunity to be of service to your company.

Very truly yours,

Oscar Saenz, Jr.
Manager, Organic Analysis
and Environmental Monitoring

APPROVED:

For Donald E. Johnson, Director
Department of Environmental Sciences

Diamond Shamrock Corporation

SUMMARY OF LABORATORY RESULTS

FOR EP TOXICITY TEST (METALS)

Mobile, Alabama Plant

Date of Sample Receipt: March 17, 1981

Sample ID as Rec'd	Arsenic mg/l	Barium mg/l	Cadmium mg/l	Chromium mg/l	Lead mg/l	Mercury mg/l	Selenium mg/l	Silver mg/l
FF-1 1A 2.5-3	< 0.023	0.2	0.005	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-1 2A 4.5-5	< 0.023	< 0.1	0.011	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-1 3A 6.5-7	< 0.023	0.2	0.005	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-1 4A 8.5-9	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-1 5A 10.5-11	< 0.023	0.2	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-1 6A 15.5-16	< 0.023	0.3	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-2 1A 2.5-3	< 0.023	< 0.1	0.007	< 0.01	< 0.04	0.0117	< 0.025	< 0.006
FF-2 2A 4.5-5	< 0.023	0.2	0.005	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-2 3A 6.5-7	< 0.023	0.4	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-2 4A 8.5-9	< 0.023	0.3	< 0.003	< 0.01	0.05	< 0.0013	< 0.025	< 0.006
FF-2 5A 10.5-11	< 0.023	0.7	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-2 6A 13.5-14	< 0.023	0.6	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
FF-2 7A 17.5-18	< 0.023	0.6	< 0.003	0.14	< 0.04	< 0.0013	< 0.025	< 0.006
C-3-1 0-11	0.084	1.9	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-3-1 11-16	0.086	0.3	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-3-2 0-12	0.035	1.3	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-3-2 12-24	0.115	0.6	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-3-4 0-14	< 0.023	0.7	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-3-4 14-28	< 0.023	1.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-3-7 0-9	< 0.023	0.8	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-6-1 0-14	< 0.023	2.5	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
Detection limits	0.023	0.1	0.003	0.01	0.04	0.0013	0.025	0.006
EPA Max. Allowable	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0

Diamond Shamrock Corporation
SUMMARY OF LABORATORY RESULTS
FOR EP TOXICITY TEST (METALS)

Mobile, Alabama Plant

Corrected Copy
4/21/81

Date of Sample Receipt: March 17, 1981

Sample ID as Rec'd	Arsenic mg/l	Barium mg/l	Cadmium mg/l	Chromium mg/l	Lead mg/l	Mercury mg/l	Selenium mg/l	Silver mg/l
C-6-2 0-12	< 0.023	1.8	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-6-2 12-24	< 0.023	2.6	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-6-3 0-10	< 0.023	1.0	< 0.003	< 0.01	< 0.04	0.0018	< 0.025	< 0.006
C-6-3 10-19	< 0.023	2.5	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-6-4 0-16	< 0.023	3.5	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
C-6-4 16-32	0.031	5.6	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
D-2 1A 0-1.5	< 0.023	0.7	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
D-2 2A 1.5-3	< 0.023	1.1	< 0.003	< 0.01	< 0.04	0.18	< 0.025	< 0.006
D-2 3A 3-4.5	< 0.023	0.5	< 0.003	< 0.01	< 0.04	0.0018	< 0.025	< 0.006
D-2 4A 4.5-6	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0022	< 0.025	< 0.006
D-4 0-1	< 0.023	< 0.1	< 0.003	0.23	< 0.04	< 0.0013	< 0.025	< 0.006
-4 1-2	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
-4 2-3	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
-1 1A 0-1.5	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
-1 2A 1.5-3	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.050	< 0.025	< 0.006
-1 3A 3-5	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
-1 4A 5-6.5	< 0.023	0.1	< 0.003	< 0.01	< 0.04	0.0044	< 0.025	< 0.006
1 5A 6.5-8	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0084	< 0.025	< 0.006
2 1A 0-1.5	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0212	< 0.025	< 0.006
2 2A 1.5-3	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0094	< 0.025	< 0.006
2 3A 3-4.5	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0094	< 0.025	< 0.006
etection limits	0.023	0.1	0.003	0.01	0.04	0.0013	0.025	0.006
P4 Max. Allowable	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0

Diamond Shamrock Corporation
SUMMARY OF LABORATORY RESULTS
FOR EP TOXICITY TEST (METALS)

Mobile, Alabama Plant

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Sample ID as Rec'd	Arsenic mg/l	Barium mg/l	Cadmium mg/l	Chromium mg/l	Lead mg/l	Mercury mg/l	Selenium mg/l	Silver mg/l
E-2 4A 4.5-6	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0192	< 0.025	< 0.006
E-3 1A 0-1.5	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0054	< 0.025	< 0.006
E-3 2A 1.5-3	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0458	< 0.025	< 0.006
E3 3A 3-4.5	< 0.023	0.1	< 0.003	< 0.01	< 0.04	0.0074	< 0.025	< 0.006
F-4 1A 0-1.5	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0153	< 0.025	< 0.006
F-4 2A 1.5-3	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0094	< 0.025	< 0.006
F-4 3A 3-4.5	< 0.023	0.7	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
F-5 1A 0-1.5	< 0.023	0.8	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
F-5 2A 1.5-3	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0025	< 0.025	< 0.006
F-5 3A 3-4.5	< 0.023	0.1	< 0.003	< 0.01	< 0.04	0.0113	< 0.025	< 0.006
F-5 4A 4.5-6	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0094	< 0.025	< 0.006
I-6 0-1.0	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0034	< 0.025	< 0.006
I-6 4-5	< 0.023	0.7	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
I-6 5-6	< 0.023	0.7	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
I-6 6-7	< 0.023	0.3	< 0.003	< 0.01	< 0.04	0.0044	< 0.025	< 0.006
I-6 7-8	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0044	< 0.025	< 0.006
I-6 8-8.5	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0044	< 0.025	< 0.006
J-1-1 0-0.5	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0123	< 0.025	< 0.006
J-1-1 1.5-2	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
J-1-1 3-4	< 0.023	0.4	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
J-1-1 4.5-5	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	0.0094	< 0.025	< 0.006
Detection limits	0.023	0.1	0.003	0.01	0.04	0.0013	0.025	0.006
EPA Max. Allowable	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0

Diamond Shamrock Corporation
SUMMARY OF LABORATORY RESULTS
FOR EP TOXICITY TEST (METALS)

Mobile, Alabama Plant

Date of Sample Receipt: March 17, 1981

Sample ID as Rec'd	Arsenic mg/l	Barium mg/l	Cadmium mg/l	Chromium mg/l	Lead mg/l	Mercury mg/l	Selenium mg/l	Silver mg/l
J-1-1 5.5-6	< 0.023	0.3	< 0.003	< 0.01	< 0.04	0.0064	< 0.025	< 0.006
J-1-1 6-7	< 0.023	0.5	< 0.003	< 0.01	< 0.04	0.0044	< 0.025	< 0.006
BORING 101	< 0.023	0.6	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
K-2 0-1	< 0.023	0.1	< 0.003	< 0.01	< 0.04	0.0064	< 0.025	< 0.006
K-2 1.5-2	< 0.023	0.2	< 0.003	< 0.01	< 0.04	0.0163	< 0.025	< 0.006
K-2 2-3	< 0.023	0.5	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
K-2 3.5-4.5	0.029	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006
K-2 5-6	< 0.023	< 0.1	< 0.003	< 0.01	< 0.04	< 0.0013	< 0.025	< 0.006

NOTES: All samples concentrated 10:1 for analysis except Arsenic and Selenium, which were analyzed on the straight leachate using furnace AA techniques. The other metals were analyzed by flame AA except Mercury which was analyzed by the cold vapor technique. Lower detection limits than previously reported were achieved because of additional concentration of sample leachates.

Detection limits	0.023	0.1	0.003	0.01	0.04	0.0013	0.025	0.006
EPA Max. Allowable	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0

Attachment C

SEDIMENT SAMPLING AND TESTING PROCEDURES

MOBILE LAGOON INVESTIGATION

This letter details sediment sampling and testing procedures for the inactive lagoon at our Mobile, Alabama Plant. This sampling was performed by Dames & Moore (D&M). The laboratory testing portion of the work was performed by Southwestern Research Institute (SRI) on sediment samples obtained and packaged by D&M.

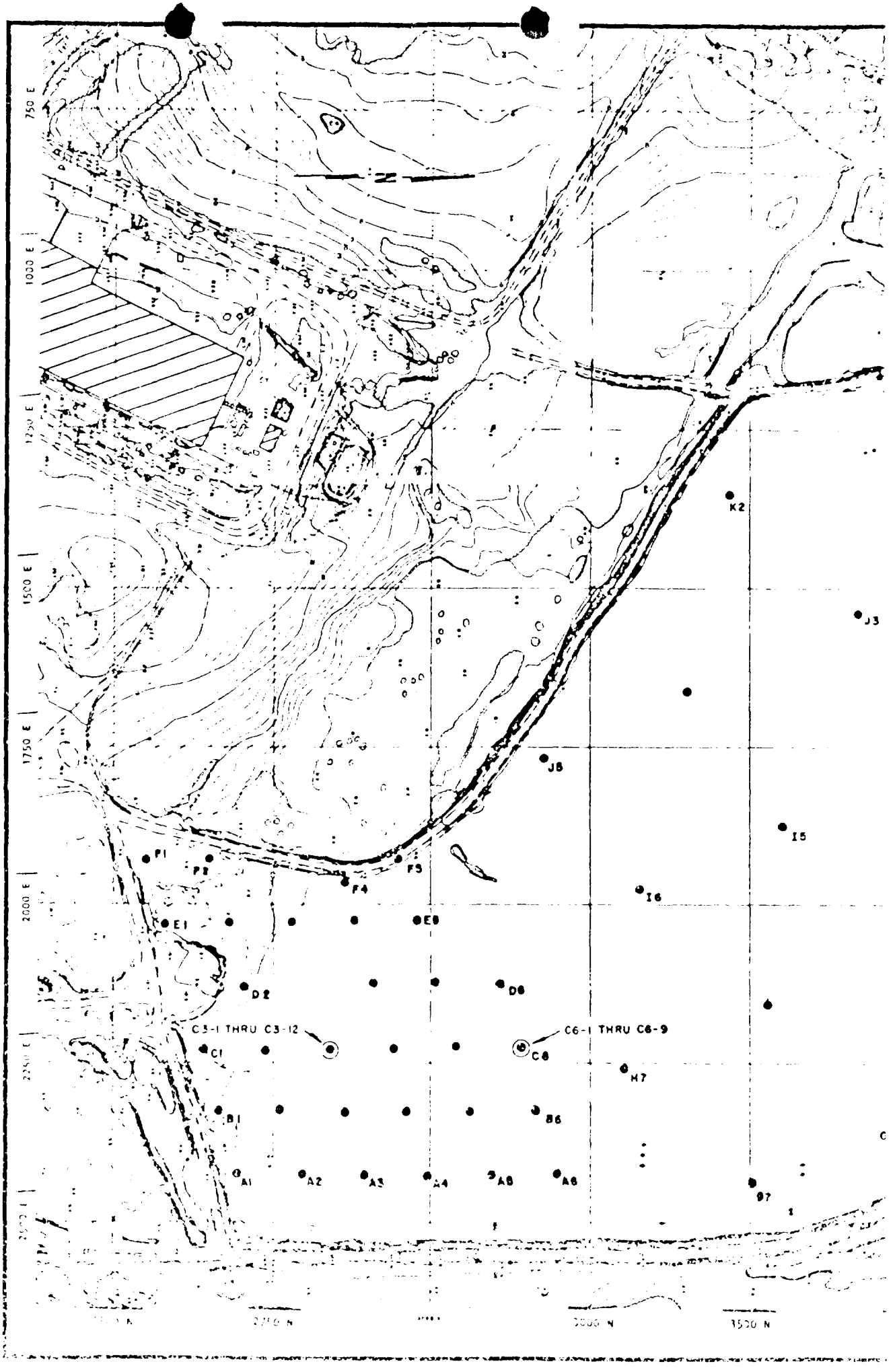
Sediment sampling was performed under D&M's continuous supervision. A total of 113 probes, or discreet sampling locations, were completed. The locations and designations of each probe are shown on the attached Figure 1, Sediment Probe Sampling Locations. A schematic of the sampling device is shown on Figure 2.

Samples were obtained by pushing and/or driving the sampling device through the upper sediment and into the underlying natural deposits. The sediment base was identifiable by the presence of an underlying organic peat. Where water depths were great enough, the sampler was advanced by a barge-mounted drilling rig. In shallower areas, the sampler was advanced from the side of a shallow draft john boat.

Upon removal of the sample tube, the sampling bit and head were unscrewed from the pipe. The tube was then capped at both ends, labeled, and returned to shore at the end of each day. It was then stored in the Diamond plant facilities until examined.

The tube was cut open, photographed, and logged by one of the D&M personnel. Replicate samples from the tubes were taken for subsequent testing by SRI (via Diamond) and for receipt by the State of Alabama. Samples were logged in on chain-of-custody forms prior to shipping via UPS, by Diamond, from the Mobile Plant to Dames & Moore's office in Houston, Texas. D&M, in turn, delivered the samples to Diamond's Gulf Coast Engineering Office in Pasadena. Diamond next shipped the samples to SRI in San Antonio for chemical analyses.

EP toxicity metals testing was performed by SRI in accordance with the procedures specified on Page 33127 in the FEDERAL REGISTER, Monday, May 19, 1980. The results of these tests were well within the specified maximum concentration limits for the specific metals tested.


750 E
1000 E
1250 E
1500 E
1750 E
2000 E
2250 E
2500 E
3000 N
3500 N
K2
J3
J8
I5
I6
F1
F2
F3
F4
E1
E8
D2
D8
C3-1 THRU C3-12
C6-1 THRU C6-9
C1
C8
H7
B1
B6
A1
A2
A3
A4
A5
A6
G7

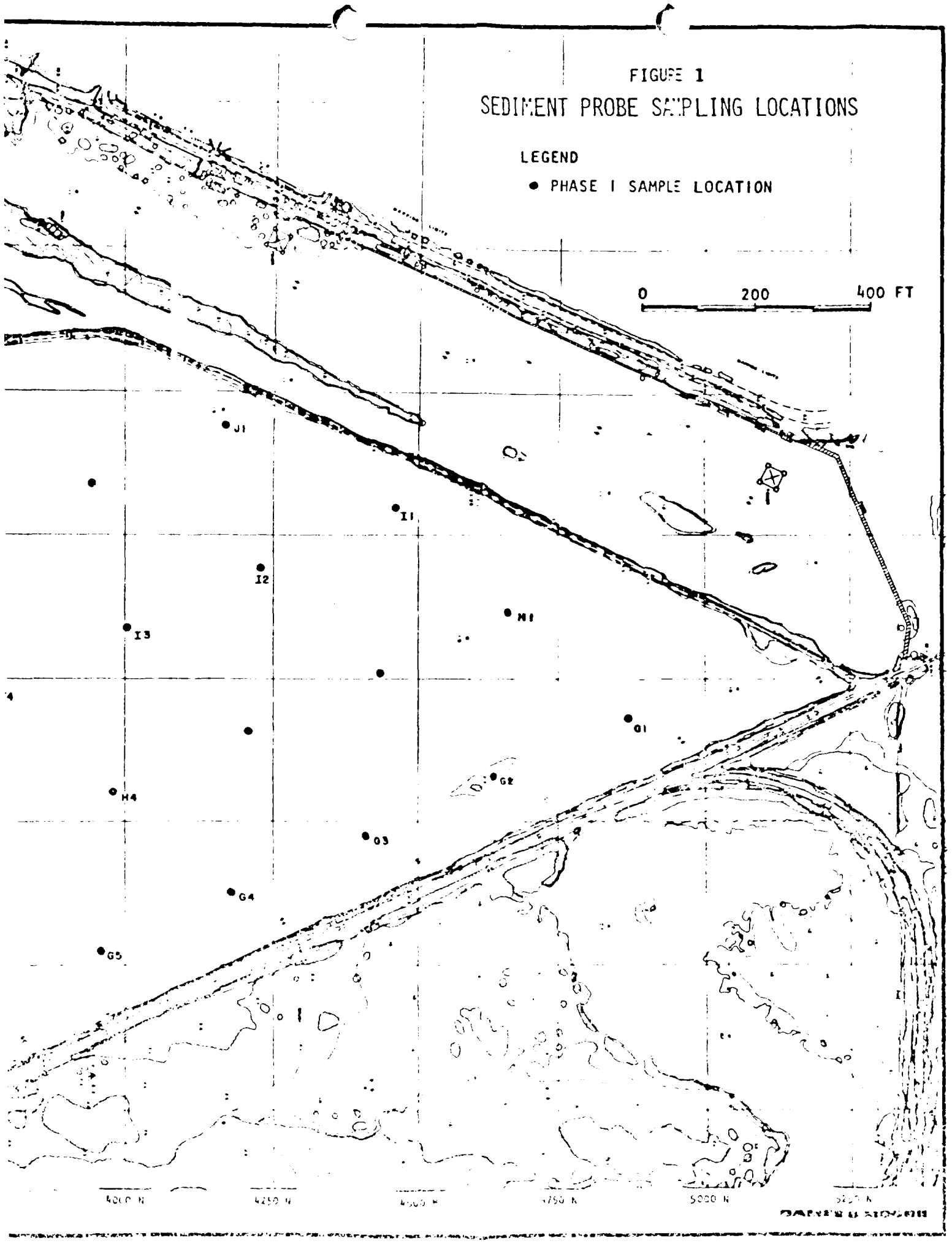
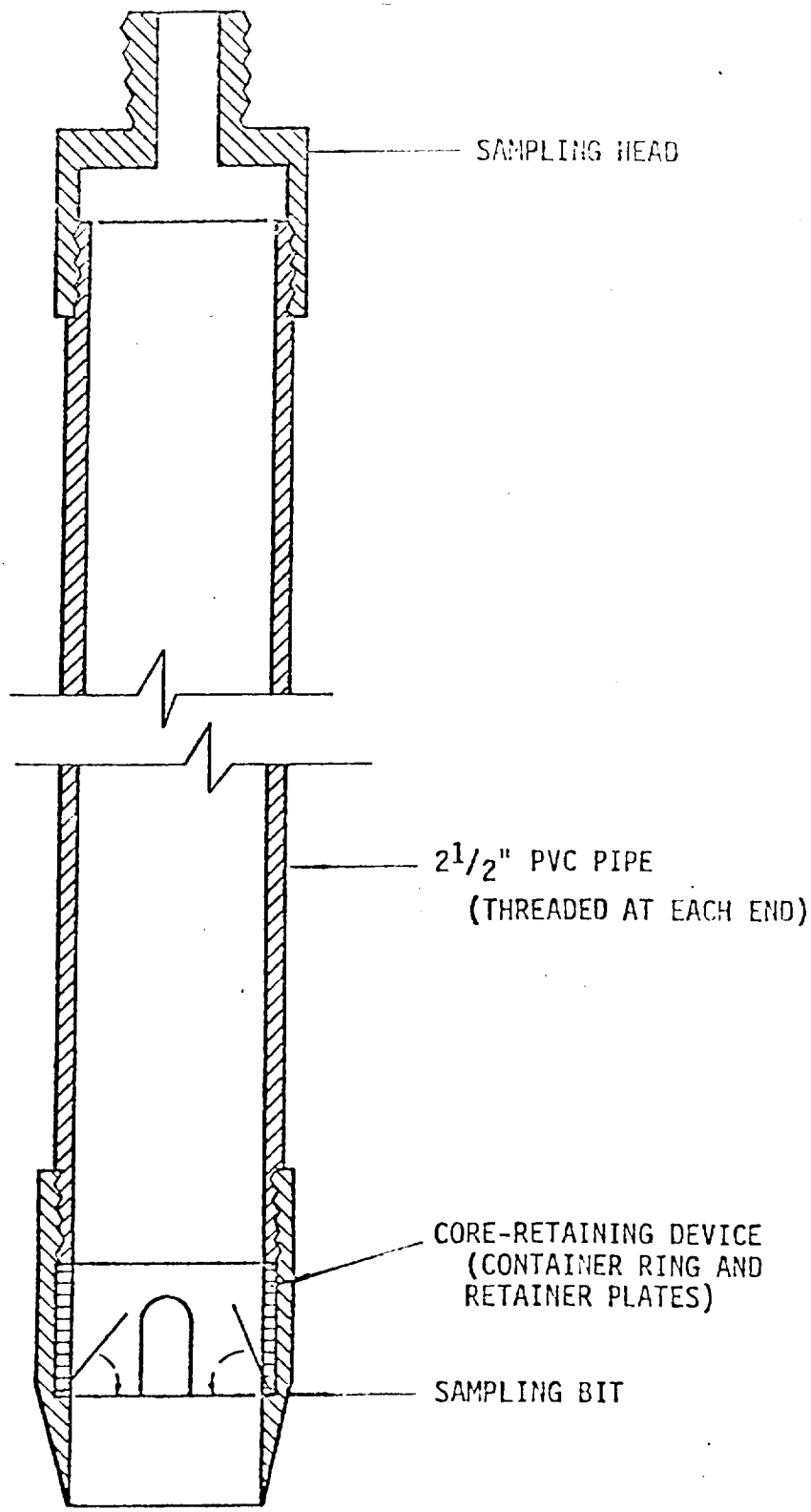


FIGURE 1
SEDIMENT PROBE SAMPLING LOCATIONS
LEGEND
● PHASE I SAMPLE LOCATION
0
200
400 FT
J1
I1
I2
I3
H1
H4
G1
G2
G3
G4
G5
4000 N
4250 N
5000 N



NOT TO SCALE

SEDIMENT PROBE SAMPLING DEVICE

DAMES & MOORE

FIGURE 2

ADEM

ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

1751 Federal Drive
Montgomery, AL
36130
205 271-7700

Field Offices:

P.O. Box 953
Decatur, AL
35602
205 353-1713

Unit 806, Building B
225 Oxmoor Circle
Birmingham, AL
35209
205 942 6168

4358 Midmost Drive
Mobile, AL
36609
205 343-7841

December 3, 1984

MEMORANDUM

TO: Buddy Cox BEC

THROUGH: John Deal JEO

FROM: Russell Zora RZ

RE: Diamond Shamrock Corporation
Mobile, Alabama
ALD 008 163 388

On November 16, 1984, an inspection of the referenced facility was conducted by the writer as an evaluation inspection and also to clarify the companies current status with regards to regulated units. The Part B has been called and is due for submission in April, 1985.

Since the original Part A was submitted, one revision was made in August, 1981 and extensive correspondence has transpired regarding regulated units at this facility. In August, 1984, the company requested withdrawal of the Part A, which was denied by this Department based on the existence of a waste pile on site which could not be used as a generator storage unit, regardless of accumulation time.

As a result of this inspection the company was determined to be in substantial compliance with the AHWM regulations with the exception of adequate personnel training records. Training has occurred at least annually, but job titles, descriptions, and names of involved personnel were not in any presentable form. A Class II notice of violation is being sent to notify the company of this paperwork deficiency.

Following is a discussion of units and points of hazardous waste generation at the referenced facility.

Container Storage Area - a storage unit for drummed waste or other containerized waste such as roll-off boxes, which are currently used. This would be regulated under generator status or under permitted status.

Waste Pile - a storage unit which holds mercury contaminated solids. Approximately 20' x 30' x 3', constructed of concrete and draining into the wastewater treatment units, this unit is currently regulated but must be closed if generator status is pursued.

Retort - a process unit, used to recover mercury from solids for re-entry into the production process. Residual waste solids containing mercury, are generated and stored in roll-off boxes or drums. The waste is disposed of at Chemical Waste Management at Emelle. The retort is not a hazardous waste management unit, but the containers are, once accumulation begins.

Wastewater Treatment System - an NPDES regulated unit. Not a hazardous waste management unit but rather a source of listed sludge (K106) which is accumulated in roll-off boxes. The containers and their storage area will be regulated. Like the retort the WWT system will need to be discussed in Part B as a source of a listed waste.

Drum Washing Area - sumps adjacent to the container storage area lead to the WWT system. Because the WWT system generates the K106 sludge the washing area is not a regulated unit, as is. If other listed waste were washed then the wash area may generate waste and the WWT system may become a treatment unit.

Chemical Storage Areas - not a regulated unit, but a possible source of generation in the case of spills. The company should retain the list of hazardous materials in either the Part A or B as a contingency measure in case of spills or off-specification.

Brine Sludge Impoundment - a hazardous waste management unit which was overlooked in the request to withdraw the Part A. Currently listed as T02 in the Part A, the impoundment stores brine purification muds (K071). The designation of this impoundment storing K071 versus the treatment of K071 is open to arguement. Regardless of the outcome of the arguement, the impoundment would not fit into the process scheme nor the generator scheme, as the K071 waste is generated at this point. Company representatives were informed that this unit must either be closed or included in the Part B, much the same as the waste pile. A groundwater monitoring waiver was requested at this facility and apparently was not denied, as there is no groundwater monitoring at the facility. A leak detection system (perforated PVC, gravel bed and collection well type) was installed below the impoundments synthetic liner and has been reportedly dry since installation. It appears as though the purification muds have "sealed" the impoundment. Should the Part B be submitted, including the impoundment, the groundwater waiver would need to be re-evlauated.

At this time it appears as though Diamond Shamrock will close the impoundment and the waste pile, then withdraw the Part A, continuing as a generator of hazardous waste.

RZ/sjw

File: Diamond Shamrock - TSDF✓

January 3, 1985

EPA

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION	SITE NUMBER *(to be assigned by Hq)*

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II *(Preliminary Assessment)*. File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

ALD008163388 MOBILE
DIAMOND SHAMROCK CORP
1300 JARVIS RD
MOBILE AL 36611
HEBLE, DAVERN, ENV SERV * 7134761250

ATION
EET *(for other identifier)*

TE | E. ZIP CODE | F. COUNTY NAME

2. TELEPHONE NUMBER

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4 MUNICIPAL ☐ 5 PRIVATE ☐ 6 UNKNOWN

"103-C NOTIFICATION" DATE: 810609
DAN COOPER OR BUDDY COX
PHONE: 205-832-6728

K. DATE IDENTIFIED *(mo., day, & yr.)*

P.A. on file

2. TELEPHONE NUMBER

II. PRELIMINARY ASSESSMENT *(complete this section last)*

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4 NONE ☒ 5 UNKNOWN

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED *(no hazard)*

☒ 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED *(low priority)*

C. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE *(mo., day, & yr.)*
		81 09 11

III. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE *(Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)*

☐ 2. INACTIVE *(Those sites which no longer receive wastes.)*

☐ 3. OTHER *(specify)*: *(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)*

B. IS GENERATOR ON SITE?

☐ 1. NO ☐ 2. YES *(specify generator's four-digit SIC Code)*:

C. AREA OF SITE *(in acres)*

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE *(deg.-min.-sec.)* 2. LONGITUDE *(deg.-min.-sec.)*

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☐ 2. YES *(specify)*:

Continue On Reverse

Continued From Front

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity*(ies)* and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER *(specify)*:		6. OTHER *(specify)*:		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER *(specify)*:
					9. OTHER *(specify)*:		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1 UNKNOWN ☐ 2 LIQUID ☐ 3. SOLID ☐ 4 SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☐ 1 UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4 RADIOACTIVE ☐ 5 HIGHLY VOLATILE
☐ 6 TOXIC ☐ 7 REACTIVE ☐ 8 INERT ☐ 9 FLAMMABLE

☐ 10. OTHER *(specify)*: _____

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount*(specify unit of measure)*of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
'X' (1) PAINT, PIGMENTS	'X' (1) OILY WASTES	'X' (1) HALOGENATED SOLVENTS	'X' (1) ACIDS	'X' (1) FLYASH	'X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER *(specify)*:	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER *(specify)*:	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER *(specify)*:			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER *(specify)*:
			(6) CYANIDE	(6) OTHER *(specify)*:	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER *(specify)*		

 Continue On Page 3

Continued From Page 2

V. WASTE RELATED INFORMATION *(continued)*

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE *(place in descending order of hazard)*.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD *(mark 'X')*	C. ALLEGED INCIDENT *(mark 'X')*	D. DATE OF INCIDENT *(mo., day, yr.)*	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER *(specify)*:				

 Continue On Reverse

Continued From Front

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

☐ 1 NPDES PERMIT ☐ 2. SPCC PLAN ☐ 3. STATE PERMIT *(specify)*: _____

☐ 4. AIR PERMITS ☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER

☐ 7 RCRA STORER ☐ 8. RCRA TREATER ☐ 9 RCRA DISPOSER

☐ 10. OTHER *(specify)*: _____

B. IN COMPLIANCE?

☐ 1. YES ☐ 2. NO ☐ 3 UNKNOWN

4. WITH RESPECT TO *(list regulation name & number)*: _____

VIII. PAST REGULATORY ACTIONS

☐ A. NONE ☐ B. YES *(summarize below)*

IX. INSPECTION ACTIVITY *(past or on-going)*

☐ A NONE ☐ B. YES *(complete items 1,2,3, & 4 below)*

1. TYPE OF ACTIVITY	2 DATE OF PAST ACTION *(mo., day, & yr.)*	3 PERFORMED BY: *(EPA/State)*	4. DESCRIPTION

X. REMEDIAL ACTIVITY *(past or on-going)*

☐ A. NONE ☐ B. YES *(complete items 1, 2, 3, & 4 below)*

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION *(mo., day, & yr.)*	3. PERFORMED BY: *(EPA/State)*	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment *(Section II)* information on the first page of this form.

POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION: IV

SITE NUMBER (to be assigned by HQ): 87

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Diamond Shamrock

B. STREET (or other identifier): 1300 Jarvis Road

C. CITY: Mobile

D. STATE: AL.

E. ZIP CODE: 36611

F. COUNTY NAME: Mobile

G. OWNER/OPERATOR (if known)

1. NAME: Diamond Shamrock

2. TELEPHONE NUMBER: (205) 457-8651

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

Incorporated Corporation

I. SITE DESCRIPTION

a 1 Acre Brine sludge Lagoon used as a Process vessel. No Discharge involved.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

Company supplied information Gwinn Eckhardt Report

K. DATE IDENTIFIED (mo., day, & yr.): MID - 1979

L. PRINCIPAL STATE CONTACT

1. NAME: Daniel E. Cooper

2. TELEPHONE NUMBER: (205) 832-6928

Joe,
The copier ate
this sheet.

II. PRELIMINARY ... last)

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED (no hazard)

☐ 2. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

C. PREPARER INFORMATION

1. NAME: Javier A. Colón

2. TELEPHONE NUMBER: (205) 832-6928

3. DATE (mo., day, & yr.): Dec. 12/80

III. SITE INFORMATION

A. SITE STATUS

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☐ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES (specify generator's four-digit SIC Code): 2812, 2819

C. AREA OF SITE (in acres): 1 Acre Approx

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (deg.—min.—sec.)

2. LONGITUDE (deg.—min.—sec.)

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES (specify): Industry Complex

T2070-2 (10-79)

Continue On Reverse

...ued From Front

CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1 UNKNOWN ☐ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☒ 1. UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4 RADIOACTIVE ☐ 5 HIGHLY VOLATILE

☐ 6. TOXIC ☐ 7 REACTIVE ☐ 8. INERT ☐ 9 FLAMMABLE

possible

☐ 10. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

WEIGHTS (TONS) records

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT >100	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE TONS	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
'X' (1) PAINT, PIGMENTS	'X' (1) OILY WASTES	'X' (1) HALOGENATED SOLVENTS	'X' (1) ACIDS	'X' (1) FLYASH	'X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
$CaCO_3$			(6) CYANIDE	(6) OTHER (specify):	
$CaSO_4$			(7) PHENOLS		
Mg OH			(8) HALOGENS		
Fe OH			(9) PCB		
Hg TRACES			(10) METALS		
			(11) OTHER (specify)		

Continue On Page 3

Read From Page 2

V. W E RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descendin er of hazard).

Mercury (Hg)

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER	X			
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS	X			
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continue On Reverse

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- [x] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [x] 3. STATE PERMIT (specify): A.W.I.C.
- [x] 4. AIR PERMITS
- [x] 5. LOCAL PERMIT Mobile County Health Dept.
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [ ] 9. RCRA DISPOSER
- [ ] 10. OTHER (specify):

B. IN COMPLIANCE?

- [x] 1. YES
- [ ] 2. NO
- [ ] 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number):

VIII. PAST REGULATORY ACTIONS

- [x] A. NONE
- [ ] B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- [ ] A. NONE
- [x] B. YES (complete items 1,2,3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Inspection & Sampling	6/79	AWIC	
Mobile County Health Dept.	1/80	Diamond Shamrock	Note: The County Doesn't have the Personnel & Resources to do Sampling

X. REMEDIAL ACTIVITY (past or on-going)

- [x] A. NONE
- [ ] B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment *(Section II)* information on the first page of this form.

Diamond Shamrock

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

EPA

REGION	SITE NUMBER (to be assigned by Reg)
IV	85

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Diamond Shamrock

B. STREET (or other identifier): 1300 Jarvis Road

C. CITY: Mobile

D. STATE: AL

E. ZIP CODE: 36611

F. COUNTY NAME: Mobile

G. OWNER/OPERATOR (if known)
1. NAME: Diamond Shamrock
2. TELEPHONE NUMBER: (205) 457-8651

H. TYPE OF OWNERSHIP
☐ 1. FEDERAL ☐ 2. STATE ☐ 3 COUNTY ☐ 4 MUNICIPAL ☒ 5 PRIVATE ☐ 6 UNKNOWN

I. SITE DESCRIPTION 1- A 55 ACRE Lagoon.
2- A 0.06 ACRE Mercury Recovery AREA. Some of The Drums Filled with Mercury Contaminated Sludge Were in BAD Condition. According To company officials The run-off goes To Gayle Branch of The Hog Bayou on The Mobile River.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

K. DATE IDENTIFIED (mo., day, & yr.)

L. PRINCIPAL STATE CONTACT
1. NAME: Daniel E. Cooper
2. TELEPHONE NUMBER: (205) 832-6728

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM
☒ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4 NONE ☐ 5 UNKNOWN

B. RECOMMENDATION
☐ 1. NO ACTION NEEDED (no hazard)
☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:
☐ 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:
☒ 4. SITE INSPECTION NEEDED (low priority)

C. PREPARER INFORMATION
1. NAME: Javier A. Colon
2. TELEPHONE NUMBER: (205) 832-6725
3. DATE (mo., day, & yr.): Dec. 12/79

III. SITE INFORMATION

A. SITE STATUS
☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)
☐ 2. INACTIVE (Those sites which no longer receive wastes.)
☐ 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?
☐ 1. NO ☒ 2. YES (specify generator's four-digit SIC Code): 2812, 2819

C. AREA OF SITE (in acres)
1- A 55 Acre Lagoon
2- A 0.06 Acre Mercury Rec. Area

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES
1. LATITUDE (deg.—min.—sec.)
2. LONGITUDE (deg.—min.—sec.)

E. ARE THERE BUILDINGS ON THE SITE?
1- ☒ 1. NO ☐ 2. YES (specify):
2- ☐ 1. NO ☒ 2 YES PLANT Complex

T2070-2 (10-79)

Continue On Reverse

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and det[illegible] relating to each activity by marking 'X' in th[illegible] [illegible]opriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND	X	4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

C4. Recycling / Recovery – AFTer mercury is Recovered, the waste Residue is sold to a mexican Company.

V. WASTE RELATED INFORMATION

A. WASTE TYPE

[ ] 1 UNKNOWN [X] 2 LIQUID [ ] 3. SOLID [X] 4 SLUDGE [ ] 5. GAS

B. WASTE CHARACTERISTICS

[X] 1 UNKNOWN [ ] 2. CORROSIVE [ ] 3. IGNITABLE [ ] 4 RADIOACTIVE [ ] 5 HIGHLY VOLATILE

[ ] 6 TOXIC [ ] 7 REACTIVE [ ] 8 INERT [ ] 9 FLAMMABLE

Hg ?

[ ] 10 OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present. 208 Rundred tons

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT 20,800	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE Ton	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
'X' (1) PAINT, PIGMENTS	'X' (1) OILY WASTES	'X' (1) HALOGENATED SOLVENTS	'X' (1) ACIDS	'X' (1) FLYASH	'X' (1) LABORATORY PHARMACEUT.
X (2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

Partial Composition of Wastes:
Hg
$CaSO_4$
$CaCO_3$
MgOH
FeOH
Fe
Mn
Cr^{+3}

Continue On Page 3

Continued From Page 2

V. SITE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Hg

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH	X			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY	X			it might be violating some O.S.H.A. Regulations. I observed that before during the inspection, the workers were not wearing protective equipment. They started using it when they saw me coming up.
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN	X			
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER	X			
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continue On Reverse

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- [x] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [x] 3. STATE PERMIT (specify): AWIC
- [x] 4. AIR PERMITS
- [ ] 5. LOCAL PERMIT
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [ ] 9. RCRA DISPOSER
- [ ] 10. OTHER (specify):

B. IN COMPLIANCE?

- [x] 1. YES
- [ ] 2. NO
- [ ] 3. UNKNOWN
- 4. WITH RESPECT TO (list regulation name & number):

VIII. PAST REGULATORY ACTIONS

- [x] A. NONE
- [ ] B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- [ ] A. NONE
- [x] B. YES (complete items 1,2,3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Inspection & Sampling	6/79	AWIC	
inspection	1/80	Mobile County Board of Health	
			—

X. REMEDIAL ACTIVITY (past or on-going)

- [x] A. NONE
- [ ] B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION: IV

SITE NUMBER (to be assigned by HQ): 87

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (*Preliminary Assessment*). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (*EN-335*); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Diamond Shamrock

B. STREET (or other identifier): 1300 Jarvis Road

C. CITY: Mobile

D. STATE: AL.

E. ZIP CODE: 36611

F. COUNTY NAME: Mobile

G. OWNER/OPERATOR (*if known*)

1. NAME: Diamond Shamrock

2. TELEPHONE NUMBER: (205) 457-8651

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

1 Acre [illegible]

J. HOW IDENTIFIED (*i.e., citizen's complaints, OSHA citations, etc.*)

[illegible]

K. DATE IDENTIFIED (*mo., day, & yr.*)

[illegible]

L. PRINCIPAL STATE CONTACT

1. NAME: Daniel E. Cooper

2. TELEPHONE NUMBER: (205) 832-6928

II. PRELIMINARY ASSESSMENT (*complete this section last*)

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE ☒ 5. UNKNOWN

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED (*no hazard*)

☐ 2. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 3. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (*low priority*)

C. PREPARER INFORMATION

1. NAME: Javier A. Colon

2. TELEPHONE NUMBER: (205) 832-6928

3. DATE (*mo., day, & yr.*): Dec. 12/80

III. SITE INFORMATION

A. SITE STATUS

☒ 1. ACTIVE (*Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.*)

☐ 2. INACTIVE (*Those sites which no longer receive wastes.*)

☐ 3. OTHER (*specify*): (*Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.*)

B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES (*specify generator's four-digit SIC Code*): 2812, 2819

C. AREA OF SITE (*in acres*): 1 Acre approx

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (*deg.—min.—sec.*):

2. LONGITUDE (*deg.—min.—sec.*):

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES (*specify*): Industry Complex

From Front

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1 UNKNOWN ☐ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☒ 1 UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4 RADIOACTIVE ☐ 5 HIGHLY VOLATILE

☐ 6 TOXIC ☐ 7 REACTIVE ☐ 8. INERT ☐ 9 FLAMMABLE

☐ 10. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT 100
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE Tons
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	X (5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

Continued From Page 2

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Mercury (Hg)

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY	X			
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN	X			
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER	X			
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continue On Reverse

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD THE SITE.

- [x] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [x] 3. STATE PERMIT (specify):
- [x] 4. AIR PERMITS
- [x] 5. LOCAL PERMIT
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [ ] 9. RCRA DISPOSER
- [ ] 10. OTHER (specify):

B. IN COMPLIANCE?

- [x] 1. YES
- [ ] 2. NO
- [ ] 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number):

VIII. PAST REGULATORY ACTIONS

- [x] A. NONE
- [ ] B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- [ ] A. NONE
- [x] B. YES (complete items 1,2,3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
[illegible]			Sampling and monitoring [illegible]
[illegible]			

X. REMEDIAL ACTIVITY (past or on-going)

- [x] A. NONE
- [ ] B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (*Section II*) information on the first page of this form.

85

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION	SITE NUMBER (to be assigned by HQ)
IV	85

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II *(Preliminary Assessment)*. File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Diamond Shamrock (Electro Coat Site)

B. STREET *(or other identifier)*: 1300 Jarvis Road

C. CITY: Mobile

D. STATE: Ala.

E. ZIP CODE: 36611

F. COUNTY NAME: Mobile

G. OWNER/OPERATOR *(if known)*

1. NAME: Diamond Shamrock

2. TELEPHONE NUMBER: (205) 457-8651

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

1 - a 55 Acre Pond
2 - A Mercury Hg Recovery Area
3 - About 40'x 300' ft - Some Chem. Process where Drums Stored in This Hg Rec. Area are in Bad Condition. Runoff goes to the 55 Acre Pond, This to the River. Part go to an unknown Place. This Hg Rec. Area is sold to a Mexican Company interested in Recovering Mercury.
3 - Another Waste Brine Lagoon is about 1 Acre. It has a PVC Liner

J. HOW IDENTIFIED *(i.e., citizen's complaints, OSHA citations, etc.)*

Storage area (Barrels) Dumping Chemicals in the woods East of Chandler Part of the Industrial Park

K. DATE IDENTIFIED *(mo., day, & yr.)*

L. PRINCIPAL STATE CONTACT

1. NAME: Daniel E. Cooper

2. TELEPHONE NUMBER: (205) 832-6728

II. PRELIMINARY ASSESSMENT *(complete this section last)*

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE ☒ 5. UNKNOWN

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED *(no hazard)*

☐ 2. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED *(low priority)*

C. PREPARER INFORMATION

1. NAME: Javier A. Colón

2. TELEPHONE NUMBER: (205) 832-6728

3. DATE *(mo., day, & yr.)*: Dec. 12/80

III. SITE INFORMATION

A. SITE STATUS

☒ 1. ACTIVE *(Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)*

☐ 2. INACTIVE *(Those sites which no longer receive wastes.)*

☐ 3. OTHER *(specify)*: *(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)*

Is going to be closed by END 1981 — 1980 Accidents Tank Rupture / Fire

B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES *(specify generator's four-digit SIC Code)*: 2812, 2819

C. AREA OF SITE *(in acres)*

1 - 55 Acres Lagoon
2 - Chem Waste Dump Site Area Plus Mercury Recovery Area 40x30'

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE *(deg.—min.—sec.)*: C-

2. LONGITUDE *(deg.—min.—sec.)*:

E. ARE THERE BUILDINGS ON THE SITE?

1. ☒ NO ☐ 2. YES *(specify)*: PLANT COMPLEX 1/2 mile FROM 55 ACRE POND
2. ☐ NO ☒ YES — Mercury Recovery Area

T2070-2 (10-79) 1 Acre Sludge Lagoon 4- [illegible] Continue On Reverse

IV. CHARACTERIZATION OF SITE ACTIVITY

...dicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP	X	2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE	X	3. DRUMS		3. VOLUME REDUCTION	X	3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND	X	4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND	X	5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify): Some DRUMS in BAR [illegible]		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
				X	9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

C. 9. OTHER: [illegible] to the Treatment System are Underway. Additions will consist of a [illegible] and Storage [illegible]

D. 3 Open Dump & 2.5 gallon [illegible] Open Dump on N.E. Section of [illegible]

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1 UNKNOWN ☑ 2 LIQUID ☑ 3. SOLID ☑ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☒ 1 UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4 RADIOACTIVE ☐ 5 HIGHLY VOLATILE

☐ 6 TOXIC ☐ 7 REACTIVE ☐ 8. INERT ☐ 9 FLAMMABLE

☐ 10. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present. 20.5 [illegible]

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
'X' (1) PAINT, PIGMENTS	'X' (1) OILY WASTES	'X' (1) HALOGENATED SOLVENTS	'X' (1) ACIDS	'X' (1) FLYASH	'X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	Partial Composition of wastes: H_2, $CaSO_4$, $CaCO_3$, [illegible], $FeOH$
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

Continue On Page 3

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

H3

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH	X			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY	X			it might be [illegible]
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN	X			
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER	X			
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continue On Reverse

VII. PERMIT INFORMATION

LATE ALL APPLICABLE PERMITS HELD THE SITE.

AWIC

- [x] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [x] 3. STATE PERMIT *(specify)*:
- [ ] 4. AIR PERMITS
- [ ] 5. LOCAL PERMIT
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [ ] 9. RCRA DISPOSER
- [ ] 10. OTHER *(specify)*:

B. IN COMPLIANCE?

- [x] 1. YES
- [ ] 2. NO
- [ ] 3. UNKNOWN

4. WITH RESPECT TO *(list regulation name & number)*:

VIII. PAST REGULATORY ACTIONS

- [ ] A. NONE
- [ ] B. YES *(summarize below)*

IX. INSPECTION ACTIVITY *(past or on-going)*

- [ ] A. NONE
- [ ] B. YES *(complete items 1,2,3, & 4 below)*

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

X. REMEDIAL ACTIVITY *(past or on-going)*

- [ ] A. NONE
- [ ] B. YES *(complete items 1, 2, 3, & 4 below)*

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment *(Section II)* information on the first page of this form.

1/18/82

FILE SUMMARY
DIAMOND SHAMROCK
1300 JARVIS ROAD
MOBILE, ALABAMA 36611
CERCLA 103 NOTIFICATION NO. ALS000001130

Diamond Shamrock Corporation, Mobile Plant, operates a mercury cell chlor-alkali process for the production of chlorine. The company notified under CERCLA Section 103 requirements for three hazardous waste sites at the Mobile Plant. These three sites are as follows: a landfill, an impoundment, and the operations area. In the notification form, Diamond Shamrock stated that there is a known release of hazardous contaminants from at least one of the disposal areas listed.

In December 1979, Javier A. Colón who is a representative of the Alabama Department of Public Health conducted a site inspection of the Diamond Shamrock facility. According to Mr. Colón's report, there were three active hazardous waste sites on the plant property: a brine sludge lagoon, a mercury recovery lagoon, and a drum storage area for the mercury recovery sludge. In Mr. Colón's report, there is also a discussion which refers to a plant landfill; yet, no specific information is available on this landfill in the EPA file. In the overall assessment of the plant's disposal areas, Mr. Colón reported that the following potential hazards exist: human health, worker injury, food chain, ground water, surface water, soil, and leaking containers.

The 1979 report provides some information on the surface waters near the site. Plant drainage generally goes to Gayle Branch of Hog Bayou which empties into the Mobile River. The Mobile River is classified for navigation in this reach but the Alabama Water Improvement Commission attempts to maintain water quality suitable for fish and wildlife. The closest public water intake on the Mobile River is more than three stream miles downstream from the Diamond Shamrock outfall. Discharge from the Diamond Shamrock plant was authorized through NPDES Permit Number AL0003514 and no violations of this permit were noted in the 1979 report.

Colón plant contact = Mr. Turnmire

Brine Sludge Lagoon

The brine sludge lagoon is used for settling solids from the process solution. In the 1979 site inspection, it was reported that the resulting sludge consisted of calcium carbonate ($CaCO_3$), calcium sulfate ($CaSO_4$), magnesium hydroxide (MgOH), ferric hydroxide (FeOH) and traces of mercury. The lagoon measures 120 feet by 154 feet and is 4.5 feet deep. At the time of the site inspection, three to four feet of freeboard remained (or 80% of design capacity). The lagoon had a PVC liner with a hypolon sun screen and Diamond Shamrock reported that the liner integrity was good. There is no point source discharge from the lagoon into adjacent waterbodies. According to the company, the lagoon had never been flushed or dredged.

Mercury Recovery Lagoon

The mercury recovery lagoon is used to settle solids out of the mercury recovery liquid. The sludge contains mercury (Hg), calcium sulfate ($CaSO_4$), calcium carbonate ($CaCO_3$), magnesium hydroxide (MgOH), ferric hydroxide (FeOH), Fe^{+2}, manganese, chromium (Cr^{+3}), graphite, cellulose, and Solva AF col. The lagoon contains an estimated 20,800 tons of sludge. The lagoon is 160 by 160 feet and has one foot of liquids in bottom. Three to four feet of freeboard remains. Minor erosion has occured in the lagoon's dikes. The lagoon is built in saturated soils with no liner. Diamond Shamrock reports that the lagoon is below sea level and therefore has a artesian pressure preventing liquid outflow. (However, there may be other mechanisms for pollution transport.) No other information is available on the site's geology and hydrology. Samples of the lagoon's sludge have been taken by AWIC personnel.

Drum Storage Area

Thirty 55-gallon drums are stored on a concrete apron in the plant area. The drums contain sludge from the mercury recovery process. Some of the drums were open to the atmosphere and some were in bad condition. The runoff from the

area was not contained. This sludge is sold to a company named Minera Rosicler SA, located at 1324 Matamoros Pte., Torreón, Coahuila, Mexico which recovers the mercury. Used drums are retorted at 1000°C and the landfilled.

1/18/82

DRAFT ONLY!

FILE SUMMARY
DIAMOND SHAMROCK
1300 JARVIS ROAD
MOBILE, ALABAMA 36611
CERCLA 103 NOTIFICATION NO. ALS000001130

Diamond Shamrock Corporation, Mobile Plant, operates a mercury cell chlor-alkali process for the production of chlorine. The company notified under CERCLA Section 103 requirements for three hazardous waste sites at the Mobile Plant. These three sites are as follows: a landfill, an impoundment, and the operations area. In the notification form, Diamond Shamrock stated that there is a known release of hazardous contaminants from at least one of the disposal areas listed, release from what areas What that landfill

In December 1979, Javier A. Colón ~~who~~ ~~is~~ was a representative of the Alabama Department of Public Health conducted a site inspection of the Diamond Shamrock facility. According to Mr. Colón's report, there were three active hazardous waste sites on the plant property: a brine sludge lagoon, a mercury recovery lagoon, and a drum storage area for the mercury recovery sludge. In Mr. Colón's report, there is also a discussion which refers to a plant landfill; yet, no specific information is available on this landfill in the EPA file. In the overall assessment of the plant's disposal areas, Mr. Colón reported that the following potential hazards exist: human health, worker injury, food chain, ground water, surface water, soil, and leaking containers.

The 1979 report provides some information on the surface waters near the site. Plant drainage generally goes to Gayle Branch of Hog Bayou which empties into the Mobile River. The Mobile River is classified for navigation in this reach but the Alabama Water Improvement Commission attempts to maintain water quality suitable for fish and wildlife. The closest public water intake on the What intake? Mobile River is more than three stream miles downstream from the Diamond Shamrock outfall. Discharge from the Diamond Shamrock plant was authorized through NPDES Permit Number AL0003514 and no violations of this permit were noted in the 1979 report. data?

Brine Sludge Lagoon

The brine sludge lagoon is used for settling solids from the process solution. In the 1979 site inspection, it was reported that the resulting sludge consisted of calcium carbonate ($CaCO_3$), calcium sulfate ($CaSO_4$), magnesium hydroxide (MgOH), ferric hydroxide (FeOH) and traces of mercury. The lagoon measures 120 feet by 154 feet and is 4.5 feet deep. At the time of the site inspection, three to four feet of freeboard remained (or 80% of design capacity). The lagoon had a PVC liner with a hypolon sun screen and Diamond Shamrock reported that the liner integrity was good. There is no point source discharge from the lagoon into adjacent waterbodies. According to the company, the lagoon had never been flushed or dredged. where does stuff go if not discharged? [illegible]

Mercury Recovery Lagoon

The mercury recovery lagoon is used to settle solids out of the mercury recovery liquid. The sludge contains mercury (Hg), calcium sulfate ($CaSO_4$), calcium carbonate ($CaCO_3$), magnesium hydroxide (MgOH), ferric hydroxide (FeOH), Fe^{+2}, manganese, chromium (Cr^{+3}), graphite, cellulose, and Solva AF col. The lagoon contains an estimated 20,800 tons of sludge. The lagoon is 160 by 160 feet and has one foot of liquids in the bottom. Three to four feet of freeboard remains. Minor erosion has occured in the lagoon's dikes. The lagoon is built in saturated soils with no liner.! Diamond Shamrock reports that the lagoon is below sea level and therefore has a artesian pressure preventing liquid outflow. (However, there may be other mechanisms for pollution transport.) No other information is available on the site's geology and hydrology. Samples of the lagoon's sludge have been taken by AWIC personnel.

Drum Storage Area — look, but belongs to RCRA

Thirty 55-gallon drums are stored on a concrete apron in the plant area. The drums contain sludge from the mercury recovery process. Some of the drums were open to the atmosphere and some were in bad condition. The runoff from the

area was not contained. This sludge is sold to a company named Minera Rosicler SA, located at 1324 Matamoros Pte., Torreón, Coahuila, Mexico which recovers the mercury. Used drums are retorted at 1000°C and the drums landfilled.

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (NO. 8732693)

Diamond Shamrock

Gulf Coast Area

June 5, 1981

U.S. Environmental Protection Agency
Region 4
Sites Notification
Atlanta, Georgia 30308

RE: Notification of Hazardous Waste Site
Mobile Plant
Mobile, Alabama

Dear Sir:

In compliance with Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, enclosed please find a completed "Notification of Hazardous Waste Site" form for the Diamond Shamrock Corporation Mobile site.

I trust that this notification is satisfactory. If you should have any questions, please contact me at (713) 476-1250.

Sincerely,

L. R. Heble, P.E.
Environmental Services Manager

JS/LRH/gg
Enclosure

Diamond Shamrock Corporation 1149 Ellsworth Drive, Pasadena, Texas 77501 Phone 713 476-2000

EPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

R

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609

ALS 000001130

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name: Diamond Shamrock Corporation

Street: 717 N. Harwood St.

City: Dallas State: TX Zip Code: 75201

B Site Location:

Enter the common name (if known) and actual location of the site.

ALD 008163388

Name of Site: Mobile Plant

Street: 1300 Jarvis Road

City: Mobile County: Mobile State: ALA. Zip Code: 36611

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title): Heble, LaVern - Env. Services Manager

Phone: (713) 476-1250

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year): 1964 To (Year): ~~Present~~ 1981

E Waste Type: Choose the option you prefer to complete

Option I: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☒ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☒ Heavy metals
6. ☐ Acids
7. ☒ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☐ Unknown
11. ☐ Other (Specify)

Source of Waste:
Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☐ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☒ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☐ Unknown
18. ☐ Other (Specify)

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

	RECEIVED EPA/REGION IV JUN 9 12 40 PM '81 ENFORCEMENT DIVISION	0 0 0 1 6 8

Form Approved
OMB No. 2000-0138

EPA Form 8900-1

F Waste Quantity:

Place an X in the appropriate boxes to indicate the facility types found at the site.

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.

Facility Type

1. ☐ Piles
2. ☐ Land Treatment
3. ☒ Landfill
4. ☐ Tanks
5. ☒ Impoundment
6. ☐ Underground Injection
7. ☐ Drums, Above Ground
8. ☐ Drums, Below Ground
9. ☒ Other (Specify) Operations

Total Facility Waste Amount

cubic feet 347,000

gallons

Total Facility Area

square feet

acres 2 AC

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☒ Known ☐ Suspected ☐ Likely ☐ None

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Name John Talpas

Street 351 Phelps Court

City Irving State TX Zip Code 75061

Signature John B. Talpas Date 6/4/81

☒ Owner, Present
☐ Owner, Past
☐ Transporter
☐ Operator, Present
☐ Operator, Past
☐ Other

A1X 16 16 50

87

EPA	POTENTIAL HAZARDOUS WASTE SITE FINAL STRATEGY DETERMINATION	REGION IV	SITE NUMBER A/A 0000 1630

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME	B. STREET	
Diamond Shamrock	1300 Jarvis Street	
C. CITY	D. STATE	E. ZIP CODE
Mobile A/A.	Alabama	

II. FINAL DETERMINATION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY: EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED	X		X		
B. REMEDIAL ACTION NEEDED, BUT NO RESOURCES AVAILABLE *(If yes, complete Section III.)*					
C. REMEDIAL ACTION *(If yes, complete Section IV.)*					
D. ENFORCEMENT ACTION *(If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)*					

E. RATIONALE FOR FINAL STRATEGY DETERMINATION

The company, in cooperation with the state, conducted an extensive sampling program (at the states request) on the 55 acre lagoon. Very little contamination was found, thus decreasing the probability that the site could endanger the environment.

F. IF A CASE DEVELOPMENT PLAN HAS BEEN PREPARED, SPECIFY THE DATE PREPARED *(mo., day, & yr.)*	G. IF AN ENFORCEMENT CASE HAS BEEN FILED, SPECIFY THE DATE FILED *(mo., day, & yr.)*

H. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE *(mo., day, & yr.)*
B. E. Cox, Jr.	205/832-6728	5/18/81

III. REMEDIAL ACTIONS TO BE TAKEN WHEN RESOURCES BECOME AVAILABLE

List all remedial actions, such as excavation, removal, etc. to be taken as soon as resources become available. See instructions for a list of Key Words for each of the actions to be used in the spaces below. Provide an estimate of the approximate cost of the remedy.

A. REMEDIAL ACTION	B. ESTIMATED COST	C. REMARKS
	$	
	$	
	$	
	$	
	$	
	$	
	$	
	$	
D. TOTAL ESTIMATED COST	$	

EPA Form T2070-5 (10-79)

Continue On Reverse

EPA

POTENTIAL HAZARDOUS WASTE SITE LOG

SITE NUMBER: 87

85 also included

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

SITE NAME: Diamond Shamrock

CITY: Mobile | STATE: Ala. | ZIP CODE: 36611

SUMMARY OF POTENTIAL OR KNOWN PROBLEM

Here is no lagoon used for disposing inorganics with mercury traces. According to company officials it has a PVC liner and no discharge is involved

ITEM	DATE OF DETERMINATION OR COMPLETION	RESPONSIBLE ORGANIZATION OR INDIVIDUAL (EPA, State, Contractor, Other)	PERSON MAKING ENTRY TO LOG FORM	DATE ENTERED ON LOG (mo,day,yr)
1. IDENTIFICATION OF POTENTIAL PROBLEM	MID-79	Eckhardt	Javier A. Colón	Feb/4/80
2. PRELIMINARY ASSESSMENT	12/12/79	STATE	Javier A Colón	2/4/80
APPARENT SERIOUSNESS OF PROBLEM	☐ HIGH ☐ MEDIUM ☐ LOW ☐ NONE ☒ UNKNOWN			
	UNKNOWN	with LOW priority		
3. SITE INSPECTION	12/12/79	STATE	J.A.C.	2/4/80
4. EPA TENTATIVE DISPOSITION (check appropriate item(s) below)				
☐ a. NO ACTION NEEDED				
☐ b. INVESTIGATIVE ACTION NEEDED				
☐ c. REMEDIAL ACTION NEEDED				
d. ENFORCEMENT ACTION NEEDED				
5. EPA FINAL STRATEGY DETERMINATION (check appropriate item(s) below)				
☐ a. NO ACTION NEEDED				
☐ b. REMEDIAL ACTION NEEDED				
☐ c. REMEDIAL ACTION NEEDED BUT, NO RESOURCES AVAILABLE				
☐ d. ENFORCEMENT ACTION NEEDED				
☐ (1) CASE DEVELOPMENT PLAN PREPARED				
☐ (2) ENFORCEMENT CASE FILED OR ADMINISTRATIVE ORDER ISSUED				
6. STRATEGY COMPLETED				

EPA Form T2070-1 (10-79)

State of Alabama

DEPARTMENT OF PUBLIC HEALTH

State Office Building
Montgomery, Alabama 36130

IRA L. MYERS, M.D.
STATE HEALTH OFFICER

August 19, 1980

M E M O R A N D U M

TO: Bernard E. Cox, Jr., Chief
Hazardous and Industrial Waste Section
Division of Solid Waste & Vector Control
Environmental Health Administration

FROM: Harold W. Taylor, Jr., Environmentalist HWJ
Division of Solid Waste & Vector Control
Environmental Health Administration

RE: Diamond Shamrock (Mobile County).

On August 13, 1980, Mr. Bernard E. Cox of this office, Mr. Joel Veater of EPA and this writer visited the above named plant. We met with Mr. Alton Seitz and Mr. Richard Timmons.

We discussed an annonymous complaints concerning vacuum trucks seen entering the plant and removing hazardous materials. Mr. Timmons said that a vacuum truck had brought some acid to neutralize a holding basin. Also, a vacuum truck had pumped the cooling tower sump and emptied it into their treatment facility. These were the only trucks that they were familiar with.

HWT/mm

Res. Phone: 205 661-2698

Diamond Shamrock

Diamond Shamrock Corporation
Mobile Plant
1300 Jarvis Road
Mobile, Alabama 36611
Phone: 205 457-8651

Alton Edward Seitz, Jr.
Plant Engineer

Diamond Shamrock

Diamond Shamrock Corporation
1300 Jarvis Road
Mobile, Alabama 36611
Phone: 205 457-8651

T. H. Morrow
Plant Manager
Electro Chemicals Division

Diamond Shamrock

Diamond Shamrock Corporation
Industrial Chemicals & Plastics
Environmental Services
1149 Ellsworth Drive
Pasadena, Texas 77501
Phone: 713 476-1247

Mel Skaggs

Diamond Shamrock

Diamond Shamrock Corporation
1300 Jarvis Road
Mobile, Alabama 36611
Phone: 205 457-8651

Al Imler
Production Superintendent
Electro Chemicals Division
Mobile Plant

EPA

POTENTIAL HAZARDOUS WASTE SITE LOG

SITE NUMBER: 85

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

SITE NAME: Diamond Shamrock

CITY: Mobile | STATE: Ala. | ZIP CODE: 36611

SUMMARY OF POTENTIAL OR KNOWN PROBLEM

1. [illegible] Sludge.
2. [illegible] about 40' X 300' ft. Some chemical [illegible] Stored in [illegible] from [illegible] SUPS [illegible] 55-[illegible] [illegible] unknown place. [illegible] WASTE COLLECTED [illegible] Decomposing [illegible] Sold to [illegible] [illegible] Port [illegible] Asbestos [illegible]

ITEM	DATE OF DETERMINATION OR COMPLETION	RESPONSIBLE ORGANIZATION OR INDIVIDUAL (EPA, State, Contractor, Other)	PERSON MAKING ENTRY TO LOG FORM	DATE ENTERED ON LOG (mo/day/yr)
1. IDENTIFICATION OF POTENTIAL PROBLEM	[illegible]		Javier A. Colon	[illegible]
2. PRELIMINARY ASSESSMENT	Dec-10/79		Javier A. Colon	[illegible]
APPARENT SERIOUSNESS OF PROBLEM	☐ HIGH	☐ MEDIUM	☐ LOW	☐ NONE ☐ UNKNOWN
3. SITE INSPECTION				
4. EPA TENTATIVE DISPOSITION (check appropriate item(s) below)				
a. NO ACTION NEEDED				
b. INVESTIGATIVE ACTION NEEDED				
c. REMEDIAL ACTION NEEDED				
d. ENFORCEMENT ACTION NEEDED				
5. EPA FINAL STRATEGY DETERMINATION (check appropriate item(s) below)				
a. NO ACTION NEEDED				
b. REMEDIAL ACTION NEEDED				
c. REMEDIAL ACTION NEEDED BUT NO RESOURCES AVAILABLE				
d. ENFORCEMENT ACTION NEEDED				
(1) CASE DEVELOPMENT PLAN PREPARED				
(2) ENFORCEMENT CASE FILED OR ACTION STRAY VE ORDER ISSUED				
6. STRATEGY COMPLETED				

EPA Form [illegible]

EPA

POTENTIAL HAZARDOUS WASTE SITE LOG

SITE NUMBER: 87

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

SITE NAME: Diamond Shamrock

CITY: Mobile | STATE: Ala. | ZIP CODE: 36611

SUMMARY OF POTENTIAL OR KNOWN PROBLEM: [illegible] used for disposing inorganics with mercury there.

ITEM	DATE OF DETERMINATION OR COMPLETION	RESPONSIBLE ORGANIZATION OR INDIVIDUAL (EPA, State, Contractor, Other)	PERSON MAKING ENTRY TO LOG FORM	DATE ENTERED ON LOG (Year, month, day)
1. IDENTIFICATION OF POTENTIAL PROBLEM	[illegible]		Javier A. Colon	
2. PRELIMINARY ASSESSMENT	12/12/79		Javier A. Colon	2/12/[illegible]
APPARENT SERIOUSNESS OF PROBLEM	☐ HIGH	☐ MEDIUM ☐ LOW	☐ NONE	☑ UNKNOWN
3. SITE INSPECTION				
4. EPA TENTATIVE DISPOSITION (check appropriate remedial action)				
a. NO ACTION NEEDED				
b. INVESTIGATIVE ACTION NEEDED				
c. REMEDIAL ACTION NEEDED				
d. ENFORCEMENT ACTION NEEDED				
5. EPA FINAL STRATEGY DETERMINATION (check appropriate remedial action)				
a. NO ACTION NEEDED				
b. REMEDIAL ACTION NEEDED				
c. REMEDIAL ACTION NEEDED BUT, NO RESOURCES AVAILABLE				
d. ENFORCEMENT ACTION NEEDED				
(1) CASE DEVELOPMENT PLAN PREPARED				
(2) ENFORCEMENT CASE FILED OR ADMINISTRATIVE ORDER ISSUED				
6. STRATEGY COMPLETED				

EPA Form 2070-[illegible] (10-79)

EPA

POTENTIAL HAZARDOUS WASTE SITE
FINAL STRATEGY DETERMINATION

REGION	SITE NUMBER
IV	AL 0000 1620

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME	B. STREET	
Diamond Shamrock	1300 Jaros Road	
C. CITY	**D. STATE**	**E. ZIP CODE**
Mobile	Alabama	

II. FINAL DETERMINATION

Indicate the recommended action*(s)* and agency*(ies)* that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY: EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED	X		X		
B. REMEDIAL ACTION NEEDED, BUT NO RESOURCES AVAILABLE *(If yes, complete Section III.)*					
C. REMEDIAL ACTION *(If yes, complete Section IV.)*					
D. ENFORCEMENT ACTION *(If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)*					

E. RATIONALE FOR FINAL STRATEGY DETERMINATION

This site is a 1 acre lagoon which has an artifical liner that is well maintained. There appear to be no significant chance that this site could cause a problem.

F. IF A CASE DEVELOPMENT PLAN HAS BEEN PREPARED, SPECIFY THE DATE PREPARED *(mo., day, & yr.)*	G. IF AN ENFORCEMENT CASE HAS BEEN FILED, SPECIFY THE DATE FILED *(mo., day, & yr.)*

H. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE *(mo., day, & yr.)*
B. E. Cox, Jr.	205/832 6728	5/18/81

III. REMEDIAL ACTIONS TO BE TAKEN WHEN RESOURCES BECOME AVAILABLE

List all remedial actions, such as excavation, removal, etc. to be taken as soon as resources become available. See instructions for a list of Key Words for each of the actions to be used in the spaces below. Provide an estimate of the approximate cost of the remedy.

A. REMEDIAL ACTION	B. ESTIMATED COST	C. REMARKS
	$	
	$	
	$	
	$	
	$	
	$	
	$	
	$	
D. TOTAL ESTIMATED COST	$	

Continue On Reverse

Diamond Shamrock

EPA POTENTIAL HAZARDOUS WASTE SITE LOG

SITE NUMBER: 85

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

SITE NAME: Diamond Shamrock

CITY: Mobile | STATE: Ala. | ZIP CODE: 36611

SUMMARY OF POTENTIAL OR KNOWN PROBLEM 1. A 55 ACRE Lagoon. 2. A 0.06 ACRE Mercury Recovery Area. Some of the Drums Filled with Mercury Contaminated Sludge were in Bad Shape. According To Company officials The Run-off goes To Gayle Branch of The Hog Bayou on The Mobile River.

ITEM	DATE OF DETERMINATION OR COMPLETION	RESPONSIBLE ORGANIZATION OR INDIVIDUAL (EPA, State, Contractor, Other)	PERSON MAKING ENTRY TO LOG FORM	DATE ENTERED ON LOG (mo, day, yr)
1. IDENTIFICATION OF POTENTIAL PROBLEM		Gerhardt		
2. PRELIMINARY ASSESSMENT	Dec. 12/80	STATE	James A. Colon	2/4/80
APPARENT SERIOUSNESS OF PROBLEM	X HIGH	MEDIUM / LOW / NONE / UNKNOWN		
3. SITE INSPECTION	Dec. 12/79	STATE	J.A.C.	2/4/79
4. EPA TENTATIVE DISPOSITION (check appropriate item(s) below)				
a. NO ACTION NEEDED				
b. INVESTIGATIVE ACTION NEEDED				
c. REMEDIAL ACTION NEEDED				
d. ENFORCEMENT ACTION NEEDED				
5. EPA FINAL STRATEGY DETERMINATION (check appropriate item(s) below)				
a. NO ACTION NEEDED				
b. REMEDIAL ACTION NEEDED				
c. REMEDIAL ACTION NEEDED BUT NO RESOURCES AVAILABLE				
d. ENFORCEMENT ACTION NEEDED				
(1) CASE DEVELOPMENT PLAN PREPARED				
(2) ENFORCEMENT CASE FILED OR ADMINISTRATIVE ORDER ISSUED				
6. STRATEGY COMPLETED				

With 90

Caution with The Company

EPA Form T2070-1 (10-79)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by HQ)
IV	85

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentat've Disposition (*Section II*). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Tack Force (*EN-335*); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Diamond Shamrock

B. STREET (or other identifier): 1300 Jarvis Road

C. CITY: Mobile

D. STATE: Ala.

E. ZIP CODE: 36611

F. COUNTY NAME: Mobile

G. SITE OPERATOR INFORMATION

1. NAME: Diamond Shamrock

2. TELEPHONE NUMBER: (205) 457-8651

3. STREET: 1300 Jarvis Road

4. CITY: Mobile

5. STATE: Ala.

6. ZIP CODE: 36611

H. REALTY OWNER INFORMATION (*if different from operator of site*)

1. NAME:

2. TELEPHONE NUMBER:

3. CITY:

4. STATE:

5. ZIP CODE:

I. SITE DESCRIPTION 1- A 65 ACRE Lagoon. IT has possibilities of having mercury and other metals in the Bottom Sludges 2- A mercury Recovery Area of About 0.6 ACRES. Some of the Drums Filled with mercury Contaminated Sludge were IN BAD Condition. According to Company officials The Run-off goes into Gayle Branch of Hog Bayou of Mobile River

J. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

II. TENTATIVE DISPOSITION (*complete this section last*)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (*mo., day, & yr.*)

B. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☒ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE

C. PREPARER INFORMATION

1. NAME:

2. TELEPHONE NUMBER:

3. DATE (*mo., day, & yr.*):

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME: Javier A. Colón

2. TITLE: Environmentalist III

3. ORGANIZATION: AL State Health Dept.

4. TELEPHONE NO. (*area code & no.*): (205) 832-6728

B. INSPECTION PARTICIPANTS: None

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.

C. SITE REPRESENTATIVES INTERVIEWED (*corporate officials, workers, residents*)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Mr. Richard Timmons	PLT. Mgr. (205) 457-8651	Diamond Shamrock Co., 1300 Jarvis Road Mobile, Ala. 36611

Continued From Front

INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
DiAmond ShamRock	(205) 457-8651	1300 JARvis Road, MoBile, AL 36611	

E. TRANSPORTER/HAULER INFORMATION N.A.

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
Minera Rosicler SA		1324 Matamoros Pte., Torreón, Coahuila, Mexico

G. DATE OF INSPECTION (mo., day, & yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
12/12/79	10 A.M.	[X] 1. PERMISSION [ ] 2. WARRANT

J. WEATHER (describe)
Fair

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER			
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS

Continued From Page 2

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS: NO
   - [ ] a. GROUND
   - [ ] b. AERIAL
2. PHOTOS IN CUSTODY OF:

D. SITE MAPPED? NO

- [ ] YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.)
2. LONGITUDE (deg.-min.-sec.)

V. SITE INFORMATION

A. SITE STATUS

- [x] 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)
- [ ] 2. INACTIVE (Those sites which no longer receive wastes.)
- [ ] 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

- [ ] 1. NO
- [x] 2. YES (specify generator's four-digit SIC Code): 2812, 2819

C. AREA OF SITE (in acres)

1. a 55 Acre Lagoon
2. a 0.06 Acre Hg Recovery Area

D. ARE THERE BUILDINGS ON THE SITE?

- [x] 1. NO
- [ ] 2. YES (specify):
- [ ] 1. NO
- [x] 2. YES PLANT Complex

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND	X	4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

- [ ] 1. STORAGE
- [ ] 2. INCINERATION
- [ ] 3. LANDFILL
- [x] 4. SURFACE IMPOUNDMENT
- [ ] 5. DEEP WELL
- [ ] 6. CHEM/BIO/PHYS TREATMENT
- [ ] 7. LANDFARM
- [ ] 8. OPEN DUMP
- [ ] 9. TRANSPORTER
- [x] 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

- [x] 1. LIQUID
- [ ] 2. SOLID
- [x] 3. SLUDGE
- [ ] 4. GAS

B. WASTE CHARACTERISTICS

- [ ] 1. CORROSIVE
- [ ] 2. IGNITABLE
- [ ] 3. RADIOACTIVE
- [ ] 4. HIGHLY VOLATILE
- [ ] 5. TOXIC → 3. Hg
- [ ] 6. REACTIVE
- [ ] 7. INERT
- [ ] 8. FLAMMABLE
- [ ] 9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

NO

Continue On Reverse

WASTE RELATED INFORMATION (continue

→ 208 hundred Tons

2. Estimate the amount (*specify unit of measure*) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT 20,800	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE TON	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE TONS
[ ] (1) PAINT, PIGMENTS	[ ] (1) OILY WASTES	[ ] (1) HALOGENATED SOLVENTS	[ ] (1) ACIDS	[ ] (1) FLYASH	[ ] (1) LABORATORY, PHARMACEUT.
[X] (2) METALS SLUDGES	[ ] (2) OTHER(*specify*):	[ ] (2) NON-HALOGNTD. SOLVENTS	[ ] (2) PICKLING LIQUORS	[ ] (2) ASBESTOS	[ ] (2) HOSPITAL
[ ] (3) POTW		[ ] (3) OTHER(*specify*):	[ ] (3) CAUSTICS	[ ] (3) MILLING/MINE TAILINGS	[ ] (3) RADIOACTIVE
[ ] (4) ALUMINUM SLUDGE			[ ] (4) PESTICIDES	[ ] (4) FERROUS SMELTING WASTES	[ ] (4) MUNICIPAL
[ ] (5) OTHER(*specify*): Partial composition of wastes. Hg, $CaSO_4$, $NaCO_3$, $Ca(CO_3)$, $Mg(OH)_2$, $Fe(OH)_3$, Fe, Mn, Cu^{+3}			[ ] (5) DYES/INKS	[ ] (5) NON-FERROUS SMLTG. WASTES	[X] (5) OTHER(*specify*): Graphite, Cellulose, Solka Floc
			[ ] (6) CYANIDE	[ ] (6) OTHER(*specify*):	
			[ ] (7) PHENOLS		
			[ ] (8) HALOGENS		
			[ ] (9) PCB		
			[ ] (10) METALS		
			[ ] (11) OTHER(*specify*):		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (*place in descending order of hazard*)

1. SUBSTANCE	2. FORM (*mark 'X'*) a. SOLID	b. LIQ.	c. VAPOR	3. TOXICITY (*mark 'X'*) a. HIGH	b. MED.	c. LOW	d. NONE	4. CAS NUMBER	5. AMOUNT	6. UNIT
Mercury (Hg)										

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

9. Hg

[ ] A. HUMAN HEALTH HAZARDS

Continue On Page 5

Continued from Page 4

III. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE

☐ C. WORKER INJURY/EXPOSURE

☐ D. CONTAMINATION OF WATER SUPPLY

☐ E. CONTAMINATION OF FOOD CHAIN

No

☐ F. CONTAMINATION OF GROUND WATER

☐ G. CONTAMINATION OF SURFACE WATER

Continued From Front

VIII. HAZARD DESCRIPTION (continued)

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☐ K. NOTICEABLE ODORS

☐ L. CONTAMINATION OF SOIL

☐ M. PROPERTY DAMAGE

Continue On Page 7

Continued From Page 6

HAZARD DESCRIPTION *(continued)*

[ ] N. FIRE OR EXPLOSION

[ ] O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

[ ] P. SEWER, STORM DRAIN PROBLEMS

[ ] Q. EROSION PROBLEMS

[ ] R. INADEQUATE SECURITY

[ ] S. INCOMPATIBLE WASTES

Continue On Reverse

VIII. HAZARD DESCRIPTION *(continued)*

☐ T. MIDNIGHT DUMPING

☐ U. OTHER *(specify)*:

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE *(specify units)*
1. IN RESIDENTIAL AREAS				
2. IN COMMERCIAL OR INDUSTRIAL AREAS				
3. IN PUBLICLY TRAVELLED AREAS				
4. PUBLIC USE AREAS *(parks, schools, etc.)*				

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER *(specify unit)*	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
0	Towards Mobile River	NONE according to Company officials and Ala. Div. Public water Supply
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY** *(specify unit of measure)*	**F. DIRECTION TO DRINKING WATER SUPPLY**
N. A.	N. A.	N. A

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS*

☒ 2. COMMUNITY *(specify town)*: > 15 CONNECTIONS — Connected To The City of Mobile Public WATER Supply.

☒ 3. SURFACE WATER

☐ 4. WELL

Continue On Page 9

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA (continued)

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE None

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COMMUNITY (mark 'X')	5. COMMUNITY (mark 'X')

I. RECEIVING WATER

1. NAME Mobile River

☐ 2. SEWERS ☒ 3. STREAMS/RIVERS

☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

NAVIGATION

Note: According to AWQC, Fish and Wildlife Standards are Applied in the issuing of N.P.E.D.S. Permits in This Zone

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☒ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND

☐ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK (specify below)	'X'	C. OTHER (specify below)
X	1. SAND				
X	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

The Company Doesn't have any Geology-Hydrological Information

☒ A. UNKNOWN ☐ B. VERY HIGH (100,000 to 1000 cm/sec.) ☐ C. HIGH (1000 to 10 cm/sec.)

☐ D. MODERATE (10 to .1 cm/sec.) ☐ E. LOW (.1 to .001 cm/sec.) ☐ F. VERY LOW (.001 to .00001 cm/sec.)

High

G. RECHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

J. OTHER GEOLOGICAL DATA

Saline Zone

 Continue On Reverse

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UNKNOWN
N.P.D.E.S.	E.P.A. A.W.J.C	AL 0003514	2/25/74	6/8/80	X		
Air Permit	Mobile Co Board Health	503-5002-0014	10/21/77	10/21/80	X		

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☒ NONE ☐ YES *(summarize in this space)*

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition *(Section II)* information on the first page of this form.

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT
55- Acre settling lagoon or solidified soils

2. STABILITY/CONDITION OF EMBANKMENTS
Good [illegible] Company officials blame recent Hurricane "Frederick"

3. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc.)*
☒ YES ☐ NO Erosion at the Embankments

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE
☐ YES ☒ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT
☒ YES ☐ NO

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT
☐ YES ☒ NO Company does not have records on this

7. IMPOUNDMENT HAS LINER SYSTEM
☐ YES ☒ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED
☐ YES ☐ NO N.A.

7b. FINDINGS According to Company officials, the impoundment is below sea level. In my opinion there is a potential for Hg migration to the rivers. It will require some testing.

8. SOIL STRUCTURE AND SUBSTRUCTURE
Unknown

9. MONITORING WELLS
☐ YES ☒ NO

10. LENGTH, WIDTH, AND DEPTH
LENGTH 160 WIDTH 160 DEPTH 6 inc. to 2 FT Aver = 1 FT

11. CALCULATED VOLUMETRIC CAPACITY
25,600 cu. ft

12. PERCENT OF CAPACITY REMAINING
95%

13. ESTIMATE FREEBOARD
3 to 4 FT

14. SOLIDS DEPOSITION
☒ YES ☐ NO

15. DREDGING DISPOSAL METHOD
No dredging [illegible] Company official said that the surface impoundment will be properly closed once it reaches its final storage capacity.

16. OTHER EQUIPMENT
N.A. yet

Sludge WASTE

STORAGE FACILITIES SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. STORAGE AREA HAS CONTINUOUS IMPERVIOUS BASE
[X] YES [ ] NO — IT HAS A CEMENT FLOOR

2. STORAGE AREA HAS A CONFINEMENT STRUCTURE
[X] YES [ ] NO

3. EVIDENCE OF LEAKAGE/OVERFLOW (If "Yes", document where and how much runoff is overflowing or leaking from containment)
[X] YES [ ] NO
There is RUN-OFF coming from 55-gallon Drums in BAD Physical Conditions. Drums are used for storing sludge wastes containing mercury. The RUN-OFF goes to GAYLE BRANCH of the "Hog BAYOU".

4. ESTIMATE TYPE AND NUMBER OF BARRELS/CONTAINERS
30

5. GLASS OR PLASTIC STORAGE CONTAINERS USED
[ ] YES [X] NO

6. ESTIMATE NUMBER AND CAPACITY OF STORAGE TANKS
30 Drums X 55 gal./Drum = 1650 gals

7. NOTE LABELING ON CONTAINERS
None. Not necessary. Drums are used for holding the mercury contaminated sludge.

8. EVIDENCE OF LEAKAGE CORROSION OR BULGING OF BARRELS/CONTAINERS/STORAGE TANKS (If "Yes", document evidence. Describe location and extent of damage. Take PHOTOGRAPHS)
[X] YES [ ] NO — No pictures allowed. Company policy.

9. DIRECT VENTING OF STORAGE TANKS
[X] YES [ ] NO — Containers are open to the atmosphere, but according to company official material is not VOLATILE

10. CONTAINERS HOLDING INCOMPATIBLE SUBSTANCES (If "Yes", document evidence. Describe location and identity of hazardous waste. Take PHOTOGRAPHS.)
[ ] YES [X] NO

11. INCOMPATIBLE SUBSTANCES STORED IN CLOSE PROXIMITY (If "Yes", document evidence. Describe location and identity of hazardous waste. Take PHOTOGRAPHS.)
[ ] YES [X] NO

12. ADEQUATE CONTAINER WASHING AND REUSE PRACTICES
[ ] YES [ ] NO

13. ADEQUATE PRACTICES FOR DISPOSAL OF EMPTY STORAGE CONTAINERS
[ ] YES [X] NO — Open Dump

Containers → Retort at 1000°C → L.F.
→ Hg?

EPA Form T2070-3D (10-79)

Diamond Shamrock 87

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION: IV

SITE NUMBER (to be assigned by HQ): 87

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (*Section II*). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Tack Force (*EN-335*); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Diamond Shamrock

B. STREET (or other identifier): 1300 Jarvis Road

C. CITY: Mobile

D. STATE: Ala.

E. ZIP CODE: 36611

F. COUNTY NAME: Baldwin

G. SITE OPERATOR INFORMATION

1. NAME: Diamond Shamrock

2. TELEPHONE NUMBER: (205) 457-8651

3. STREET: 1300 Jarvis Road

4. CITY: Mobile

5. STATE: Ala.

6. ZIP CODE: 36611

H. REALTY OWNER INFORMATION (*If different from operator of site*)

1. NAME:

2. TELEPHONE NUMBER:

3. CITY:

4. STATE:

5. ZIP CODE:

I. SITE DESCRIPTION: 1 Acre Brine Sludge Pond with PVC Liner

J. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE Corporation

II. TENTATIVE DISPOSITION (*complete this section last*)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (*mo., day, & yr.*)

B. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE

Unknown

C. PREPARER INFORMATION

1. NAME:

2. TELEPHONE NUMBER:

3. DATE (mo., day, & yr.):

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME: Javier D. Colón

2. TITLE: Envisonmentalist III

3. ORGANIZATION: Ala. State Health Dept.

4. TELEPHONE NO. (area code & no.): (205) 832-6728

B. INSPECTION PARTICIPANTS: none

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.

C. SITE REPRESENTATIVES INTERVIEWED (*corporate officials, workers, residents*)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Mr. Richard Timmons	Plt. Mgr. (205) 457-8651	Diamond Shamrock, 1300 Jarvis Road Mobile, 36611.

Continued From Front

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Diamond Shamrock	(205) 457-8651	1300 Jewis Rd, mobile, Ala. 36611	Brine sludge

E. TRANSPORTER/HAULER INFORMATION none

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
Minera Rosicler SA		1324 Matamoros Pte., Torreon, Coahuila, Mexico

G. DATE OF INSPECTION (mo., day, & yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
12/12/79	10 A.M.	☒ 1. PERMISSION ☐ 2. WARRANT

J. WEATHER (describe)
Fair

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER			
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS

Continue On Page 3

Continued From Page 2

IV. SAMPLING INFORMATION (continued)

C. PHOTOS NO Photos Allowed Tab Taken, Company Policy

1. TYPE OF PHOTOS

☐ a. GROUND ☐ b. AERIAL

2. PHOTOS IN CUSTODY OF:

D. SITE MAPPED?

☐ YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.)

2. LONGITUDE (deg.-min.-sec.)

V. SITE INFORMATION

A. SITE STATUS

☒ 1. ACTIVE (Those inductrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☐ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES (specify generator's four-digit SIC Code): _____

C. AREA OF SITE (in acres)

1 Acre

D. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES (specify): Industry Complex

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

☐ 1. STORAGE ☐ 2. INCINERATION ☐ 3. LANDFILL ☒ 4. SURFACE IMPOUNDMENT ☐ 5. DEEP WELL

☐ 6. CHEM/BIO/PHYS TREATMENT ☐ 7. LANDFARM ☐ 8. OPEN DUMP ☐ 9. TRANSPORTER ☐ 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. LIQUID ☐ 2. SOLID ☒ 3. SLUDGE ☐ 4. GAS

B. WASTE CHARACTERISTICS

☐ 1. CORROSIVE ☐ 2. IGNITABLE ☐ 3. RADIOACTIVE ☐ 4. HIGHLY VOLATILE

☐ 5. TOXIC ☐ 6. REACTIVE ☐ 7. INERT ☐ 8. FLAMMABLE

☐ 9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Weight in Tons Records

VII. WASTE RELATED INFORMATION (continued)

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present. 100 Tons

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT >100	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE Tons	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY, PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER(specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER(specify):	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL
(5) OTHER(specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER(specify):
CaCO3			(6) CYANIDE	(6) OTHER(specify):	
Ca SO4			(7) PHENOLS		
mg OH			(8) HALOGENS		
Fe OH			(9) PCB		
Hg Traces			(10) METALS		
			(11) OTHER(specify):		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)

1. SUBSTANCE	2. FORM (mark 'X')			3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
Mercury (Hg)	X				X					

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

Continue On Page 5

Continued From Page 4

VII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE

☐ C. WORKER INJURY/EXPOSURE

☐ D. CONTAMINATION OF WATER SUPPLY

☐ E. CONTAMINATION OF FOOD CHAIN

☐ F. CONTAMINATION OF GROUND WATER

☐ G. CONTAMINATION OF SURFACE WATER

Continue On Reverse

Continued From Front

VIII. HAZARD DESCRIPTION *(continued)*

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☐ K. NOTICEABLE ODORS

☐ L. CONTAMINATION OF SOIL

☐ M. PROPERTY DAMAGE

Continue On Page 7

Continued From Page 6

VI. HAZARD DESCRIPTION *(continued)*

[ ] N. FIRE OR EXPLOSION

[ ] O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

[ ] P. SEWER, STORM DRAIN PROBLEMS

[ ] Q. EROSION PROBLEMS

[ ] R. INADEQUATE SECURITY

[ ] S. INCOMPATIBLE WASTES

Continue On Reverse

VIII. HAZARD DESCRIPTION *(continued)*

☐ T. MIDNIGHT DUMPING

☐ U. OTHER *(specify)*:

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE *(specify units)*
1. IN RESIDENTIAL AREAS				
2. IN COMMERCIAL OR INDUSTRIAL AREAS				
3. IN PUBLICLY TRAVELLED AREAS				
4. PUBLIC USE AREAS *(parks, schools, etc.)*				

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER *(specify unit)*	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
0	Toward Mobile River	None
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY** *(specify unit of measure)*	**F. DIRECTION TO DRINKING WATER SUPPLY**
Unknown	> 3 miles	> 3 miles

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS*

☒ 2. COMMUNITY *(specify town)*: > 15 CONNECTIONS — Connected To The Public Water System of The City of Mobile.

☒ 3. SURFACE WATER

☐ 4. WELL

Continue On Page 9

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA (continued)

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COMMUNITY (mark 'X')	5. COMMUNITY (mark 'X')

I. RECEIVING WATER

1. NAME: N.A.

☐ 2. SEWERS ☒ 3. STREAMS/RIVERS

☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

N.A. No Discharge

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☒ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND

☐ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK (specify below)	'X'	C. OTHER (specify below)
X	1. SAND		* Pond with a PVC Liner System in a Zone of Highly Permeable Soils		* According To Company OFFICIALS The PVC Liner is In good shape.
X	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

☐ A. UNKNOWN ☐ B. VERY HIGH (100,000 to 1000 cm/sec.) ☐ C. HIGH (1000 to 10 cm/sec.)

☐ D. MODERATE (10 to .1 cm/sec.) ☐ E. LOW (.1 to .001 cm/sec.) ☒ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE | 2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

J. OTHER GEOLOGICAL DATA

 Continue On Reverse

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X') 1. YES	2. NO	3. UNKNOWN
N.P.D.E.S.	E.P.A. AWIC	AL. 000 3514	25 Feb. 74	6/8/80	X		
AIR PERMIT	Mobile County Board Health	503-5003-0004	10/21/77	10/21/80			

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☒ NONE ☐ YES (summarize in this space)

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (*Section II*) information on the first page of this form.

Leonard Shumack

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT
[illegible] sludge pond

2. STABILITY/CONDITION OF EMBANKMENTS
good

3. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc.)*
☒ YES ☐ NO Some erosion

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE
☐ YES ☒ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT
☒ YES ☐ NO

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT
☐ YES ☒ NO They don't have records

7. IMPOUNDMENT HAS LINER SYSTEM
☒ YES ☐ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED
☐ YES ☒ NO

7b. FINDINGS PVC Liner protected by a hypolon sun screen & stop. PVC Liner Protected Pond is in a Zone of Highly Permeable Soils.

8. SOIL STRUCTURE AND SUBSTRUCTURE

9. MONITORING WELLS
☐ YES ☒ NO

10. LENGTH, WIDTH, AND DEPTH
LENGTH 120 WIDTH 154 DEPTH MAX 5 MIN. 4 Average = 4.5 FT

11. CALCULATED VOLUMETRIC CAPACITY
83,160 Cu. FT

12. PERCENT OF CAPACITY REMAINING
8%

13. ESTIMATE FREEBOARD
3 ft. 4 FT

14. SOLIDS DEPOSITION
☒ YES ☐ NO

15. DREDGING DISPOSAL METHOD
The pond has never been cleaned

16. OTHER EQUIPMENT
N. A.

EPA Form T2070-3C (10-79)