ATTACHMENT B

VISUAL SITE INSPECTION SUMMARY AND PHOTOGRAPHS

VISUAL SITE INSPECTION SUMMARY

Clark Oil & Refining Corporation (Clark)
131st & Kedzie Avenue
Blue Island, IL

Date:	August 21, 1991
Facility Representatives:	Ronald Snook, Clark Oil & Refining Corporation Stafford Jacques, Clark Oil & Refining Corporation
Inspection Team:	Scott R. Tajak, Resource Applications, Inc. Cynthia Tarka, Resource Applications, Inc.
Photographer:	Scott R. Tajak
Weather Conditions:	Sunny, Temperature 85°F
Summary of Activities:	RAI conducted a VSI at the Clark facility at 8:30 A.M. on August 21, 1991. Mr. Ronald Snook and Stafford Jacques were present as facility representatives, and explained facility operations and waste management practices. The facility is an operating refinery which produces many petroleum based products. The size of the facility is 160 acres. A significant volume of oil was observed around the base of the Asphalt Tank (AOC 1), lying on bare earth. With this exception, RAI concluded that wastes at the Clark facility are well managed. RAI concluded the VSI at 5:30 P.M.

Photograph No. 1 Location: SWMU 1
Orientation: East Date: 08/21/91
Description: Outdoor Drum Storage Area. The pallet in middle contains spent TCA and PCB-contaminated oil waste. The barrels to the left and right contain asphalt product.

Photograph No. 2 Location: SWMU 2
Orientation: North Date: 08/21/91
Description: Sampled Product Waste Accumulation Areas in Refinery Process Area.

Photograph No. 3
Orientation: South
Description: Bundle Cleaning Pad located in Refinery Process Area.

Location: SWMU 4
Date: 08/21/91

Photograph No. 4
Orientation: Northeast
Description: Former Satellite Accumulation Area.

Location: SWMU 5
Date: 08/21/91

Photograph No. 5 Location: SWMU 6
Orientation: East Date: 08/21/91
Description: Former Storage Area. Tank #801 is in background. The empty area in right hand bottom corner is where unit was located.

Photograph No. 6 Location: SWMU 7
Orientation: South Date: 08/21/91
Description: Satellite Accumulation Area for Scrap Sulfur.

Photograph No. 7 Location: SWMU 8
Orientation: Southeast Date: 08/21/91
Description: Storage Treatment Tanks. Tanks #63 and #65 (center and right) are oil-water separator units. Tank #66 (left) is a storage tank.

Photograph No. 8 Location: SWMU 8
Orientation: East Date: 08/21/91
Description: Storage Treatment Tanks and pipeline connection to tanker truck waste disposal pumping station. A full dip pan is in foreground. Note heavy soil staining in center.

Photograph No. 9 Location: SWMU 9
Orientation: North Date: 08/21/91
Description: Approximate location of Former Container Storage Treatment Area in foreground.

Photograph No. 10 Location: SWMU 12
Orientation: West Date: 08/21/91
Description: Approximate location of Former Storage Treatment Tank. According to the RCRA Part A Permit application map, this former unit was located where the dike is currently.

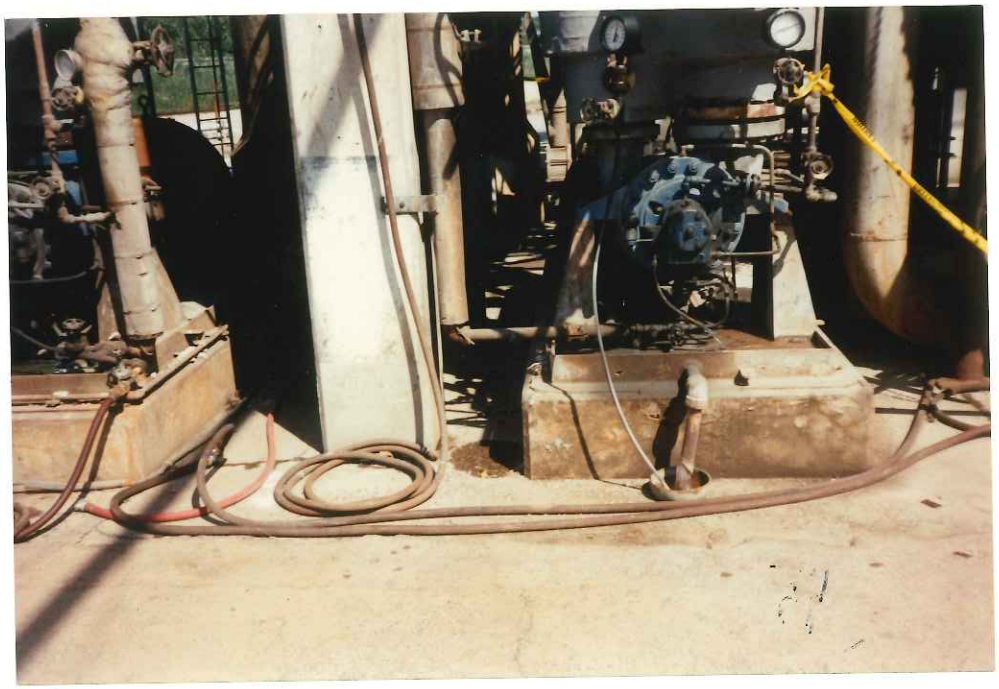
Photograph No. 11 Location: SWMU 13
Orientation: East Date: 08/21/91
Description: Approximate location of the Former Drum and Waste Storage Area, currently owned by BTL Industries. The unit location lies on east side of fence.

Photograph No. 12 Location: SWMU 14
Orientation: Southwest Date: 08/21/91
Description: Approximate location of a Former Container Storage Area. Currently, Clark Corporation's Blue Island Terminal is situated on this former waste area.

Photograph No. 13 Location: SWMU 15 & 16
Orientation: West Date: 08/21/91
Description: Approximate locations of a Former Container Storage Area (SWMU 15) and the Former Waste Pile Area (SWMU 16). Note electrical connection for a former flare unit in bottom right-hand corner.

Photograph No. 14 Location: SWMU 17
Orientation: Southwest Date: 08/21/91
Description: Location of the Former Waste Piles and Impoundment Area. Note lack of vegetation in center.

Photograph No. 15 Location: SWMU 18
Orientation: Southwest Date: 08/21/91
Description: Former Impoundment Area.



Photograph No. 16 Location: SWMU 19
Orientation: East Date: 08/21/91
Description: An example of wastewater drain which leads into Wastewater Treatment System.

Photograph No. 17 Location: SWMU 19
Orientation: North Date: 08/21/91
Description: An example of an oily waste pump for the Wastewater Treatment System.

Photograph No. 18 Location: SWMU 19
Orientation: West Date: 08/21/91
Description: Some of the wastewater is neutralized in this alkylation neutralization permit. The neutralized wastewater is pumped to the Wastewater Treatment System.

Photograph No. 19 Location: SWMU 19
Orientation: East Date: 08/21/91
Description: Treatment Tank #59 (center). This unit is an oil water separator. Note Tank #51 (left), an Asphalt Tank (AOC 1) leaking oil at base on left side of photo.

Photograph No. 20 Location: SWMU 19
Orientation: Northwest Date: 08/21/91
Description: This 72,000-gallon overflow pit captures wastewater that Tank #59 cannot handle.

Photograph No. 21
Orientation: South
Description: An oil water skimmer, part of DAF oil water separator.

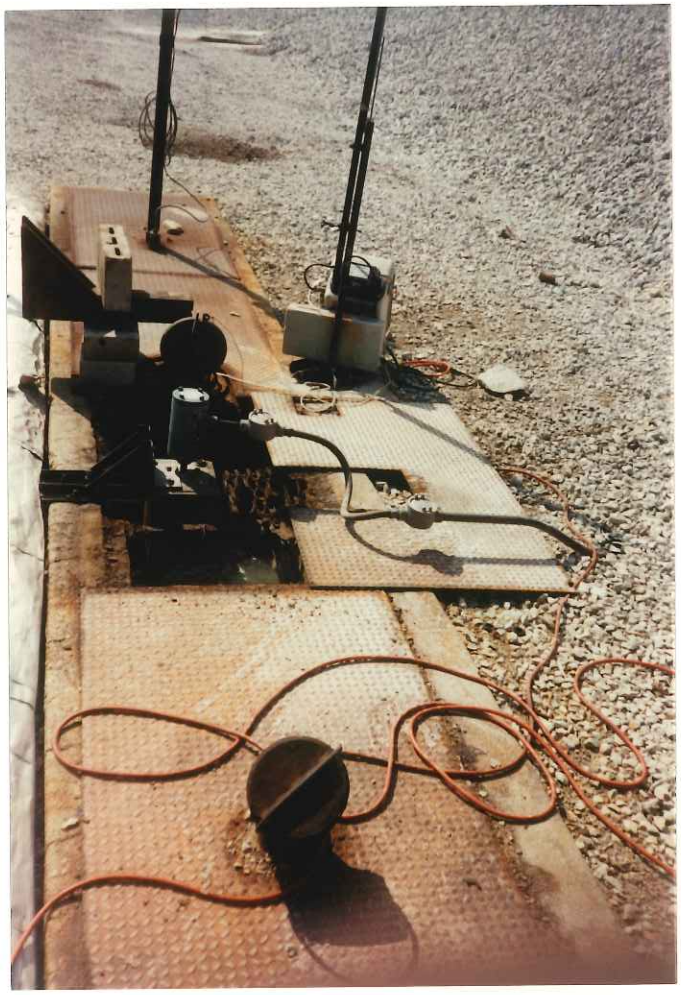
Location: SWMU 19
Date: 08/21/91

Photograph No. 22
Orientation: West
Description: Location of 2 API oil-water separators.

Location: SWMU 19
Date: 08/21/91

Photograph No. 23
Orientation: West
Description: The DAF oil water separator unit.

Location: SWMU 19
Date: 08/21/91



Photograph No. 24 Location: SWMU 19
Orientation: West Date: 08/21/91
Description: Flow Meter location. Discharge point of clean water to MWRD Sewer System.

Photograph No. 25 Location: SWMU 22
Orientation: South Date: 08/21/91
Description: Cooling tower used by Water Treatment Plant for cooling boilers. Note sludge splattering on unit wall. Also note caustic on ground under sulfuric acid tank.

Photograph No. 26 Location: AOC 1
Orientation: Northeast Date: 08/21/91
Description: Asphalt Product Tank. Note oily liquid on soil at base of tank.

Photograph No. 27
Orientation: East
Description: Location of two Underground Fuel Product Storage Tanks.

Location: AOC 2
Date: 08/21/91

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

RECEIVED APR 08 1999
WMD RCRA
RECORD CENTER

REPLY TO ATTENTION OF:
5HR-12

August 14, 1991

Mr. John Bernbom
Clark Oil & Refining Corp.
131st & Kedzie Avenue
P.O. Box 297
Blue Island, IL 60406

Re: Visual Site Inspection
Clark Oil & Refining Corp.
ILD 005 109 822

Dear Mr. Bernbom:

The United States Environmental Protection Agency (U.S. EPA) Region V will conduct a Preliminary Assessment and Visual Site Inspection (PA/VSI) at the referenced facility. This inspection is conducted pursuant to the Resource Conservation and Recovery Act, as amended (RCRA) and the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA). The PA/VSI requires identification and systematic review of all solid waste streams at the facility. The objective of the PA/VSI is to determine whether or not releases of hazardous wastes or hazardous constituents have occurred or are occurring at the facility which may require further investigation. This analysis will also provide information to establish priorities for addressing any confirmed releases.

The visual site inspection of your facility is to verify the location of all solid waste management units (SWMUs) and areas of concern to make a cursory determination of their condition by visual observation. The VSI supplements and updates data gathered during a preliminary file review. During this site inspection, no samples will be taken. A sampling visit to ascertain if releases of hazardous waste or constituents have occurred may be required at a later date.

Assistance of some of your personnel may be required in reviewing solid waste flow(s) or previous disposal practices. The site inspection is to provide a technical understanding of the present and past waste flows and handling, treatment, storage, and disposal practices. Photographs of the facility are necessary to document the condition of units at the facility and the waste management practices used.

Printed on Recycled Paper

The VSI has been scheduled for August 21, 1991. The inspection team will consist of Cindy Tarka and Scott Tajak of Resource Applications, Inc., contractors for the U.S. EPA.

Representatives of the Illinois Environmental Protection Agency may also be present. Your cooperation in admitting and assisting them while on site is appreciated.

The U.S. EPA recommends that personnel who are familiar with present and past manufacturing and waste management activities be available during the VSI. Access to any relevant maps, diagrams, hydrogeologic reports, environmental assessment reports, sampling data sheets, manifests and/or correspondence is also necessary, as such information is needed to complete the PA/VSI. Enclosed is a summary of our current knowledge and data gaps.

If you have any questions, please contact me at (312) 886-4448 or Sheri Bianchin at (312) 886-4446. A copy of the Preliminary Assessment/Visual Site Inspection Report, excluding the conclusions portion may be made available upon request.

Sincerely yours,

Sheri L. Bianchin

for Kevin M. Pierard, Chief
OH/MN Technical Enforcement Section

Enclosure

cc: Cliff Gould, IEPA - Maywood

ATTACHMENT

Clark Oil & Refining Corp.
131st & Kedzie Avenue
Blue Island, IL 60406

PROBABLE SOLID WASTE MANAGEMENT UNITS (SWMUs)

1. Little information was available to compile a list of SWMUs at Clark Oil & Refining Corp. Please list all waste management units active or inactive at your facility. Please provide as complete information as possible for the waste units in response to the questions below.

From the list of probable SWMUs please address the following questions:

- Do the above SWMUs still exist at the facility and are they in operation?

- What are the start-up and closure dates of the above SWMUs?

- What types of wastes are the SWMUs currently/formerly used for?

- Name any SWMUs at your facility that have not been listed above. These would include hazardous waste storage areas, treatment units, or any other area or system at your facility dealing with hazardous waste.

2. Please supply as much information as possible concerning the site history. This would include any information you have regarding any other owner/operators at this location.

3. Please provide a description of the primary processes taking place at your facility and the waste streams which are generated.

4. Describe the methods of treatment and disposal of generated waste utilized by your facility.

If available, the following items are requested:

- A detailed map of the facility showing the location of the SWMUs and production stations.

- Flow diagrams showing waste streams and waste management practices.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2/27/91

SUBJECT: Clark Oil- Blue Island, Site Visit and Fact Sheet
ILD 005 109 822
Re: Clark Oils Request for 30-day extension

FROM: Robert Fuhrer
Robert Fuhrer

TO: File

GENERAL

On February 11, 1991, Robert Fuhrer of the U.S. EPA, visited the Clark Oil, Blue Island facility. Mr. Tom Snook, Clark Oils Environmental Specialist discussed the site history, the issues of the request for a 30 day extension, and then gave a tour of the facility. This site visit summary will briefly review the site history, waste water treatment unit, and the extension issue.

When discussing this site and reviewing some of the files we found out that Mr. John Mahler of the IEPA Maywood office conducted his biennial site inspection last week. The only major violation was that a Safety-Kleen truck came in and took some hazardous waste material without manifesting or calling up Clark Oils environmental office, because he thought Clark was a small quantity generator. In 1989, Donna Check of the IEPA conducted a thorough inspection of the Clark Oil site.

When asked about the new Petroleum Refinery Sludge Rule (FR v.55, n.213, 11/2/90), Clark Oil said the only concerns were if they had any spills of gasoline product. I asked about the new TCLP rule and how it would effect this site and they said not unless there were benzene levels in their non-hazardous waste piles.

When touring the site we discovered that the flare area on site has been paved over in the past two (2) years and is now a part of the Clark Oil distribution system and has a independent manager.

We saw the booms that would be placed across the Cal-Sag Canal if there was a spill.

We also saw some caustic on the ground, by the caustic tanks in the refinery area.

HISTORY

Mr. Emery T. Clark started the Clark Oil and Refining Company in the early 1930's. In 1981, Clark Oil was sold to Apex Oil. Apex Oil sold Clark Oil in 1988 to the Horsham Company. The Horsham Company has worked to try and limit Clark Oils liability problems. Clark Oil's Blue Island facility began operations in September of 1945.

In 1985, the chemical portion of the Clark Oil site was sold to a company called BTL Resins. IEPA inspectors (Rich Finely and Tom Enno) seem to indicate that

there is "gross contamination" of the chemical portion of this part of the site with K022, distillates, bottoms tars, cumene, and phenol contamination.

Currently Clark generates K048-51, has 250 to 280 employees and is located in parts of Blue Island, Unincorporated Cook County, Worth Township and Alsip. The Blue Island facility produces about 70,000 barrels of petroleum product per year.

All sampling currently performed at the site is performed by EMT and Gabriel laboratories. An example of a EMT lab report taken at the flume exit to the MSDGC is attached. They are currently storing 3 roll off boxes of construction debris in the north west property which is waiting to be tested for raw benzene. If raw benzene was discovered they would then conduct a TCLP test. Six boxes were recently removed from this area following negative tests for benzene. I did not visit this area because it was said to have no roads and Clark Oil did not have an off road vehicle available.

WASTE WATER TREATMENT

Clark Oil generates API separator sludge (K051), DAF float (K049), and leaded tank bottoms (K052). The wastes (except K052) end up in the API separator, overflow pile which are the major components of their wastewater treatment system.

The waste water treatment area can be considered a SWMU. Tank 59 is where all the refinery influent water goes and is then sent to the oil water separator. From there it goes to two (2) API separators then to the DAF separator eventually entering the Municipal Sanitary District of Greater Chicago (MSDGC) sewer connection. The sludge is currently sent to Avganics in Terra Haute IN. A vacuum truck comes (supposedly) within 90 days to pick up the sludge. The overflow (oil slop) area is currently at a low level and has been frozen for the past 2 months. This area is concrete lined similar to a tank. There is a cone bottom tank that is used on a irregular schedule that seems to have contributed to some local contamination to the ground surface.

The slop oil "overflow" area directly north of the API and DAF separators was at a low level, but still takes oily waste from the refinery and the separators (see map).

Before this site visit, Clark Oil was allowed to bypass their DAF and API separators and directly place their waste in the MSDGC sewer while "upgrades" were performed on their waste water treatment plant (see map).

EXTENSION ISSUE

The reason for this site visit was to discuss the Clark Oil's requested extension of hazardous waste storage for 30 days. Clark wants this 30 day extension for storage of hazardous waste because they stored leaded tank bottoms (K052) for over 90 days in 1981. An example of unleaded tank bottoms was displayed which consisting of a fine brown clayey soil. Clark Oil stated that they deserve a 30 day extension because they had no control over the storage beyond 90 days.

If Clark received a 30 day extension they would be able to apply to the IEPA for withdrawal. Clark Oil does not want to be a closed TSD, they want to be "off the books" so that their credit rating and liability does not suffer.

The K052 material was placed into a lined roll-off box and after sampling it, it did not exhibit hazardous characteristics even though it was a listed waste.

The incidence of leaded tank bottoms occurred (as Clark states) as a one time event and cleaning of Tank #46 where 8 yards of the material was placed into a plastic lined roll-off box. This roll-off box was moved from the Tank 46 area in the South West property (sometime after sampling on 7/7/81) and moved to the "800 Tank Farm" specifically in the south west corner on the grounds of Tank 801 (see map).

Clark Oil said that no other tanks were "cleaned" because they never had any problems. This suggested that there was some problem with Tank #46, but no one knows for sure.

The issue arises that Clark Oil "accumulated" eight (8) yards of K052 (leaded tank bottoms) longer than 90 days. This material was disposed of on 11/3/81 at CID. According to §262.34 (b) accumulation time can be decided at the discretion of the Administrator.

Clark Oil indicated that they would pursue this issue to the top of the chain of command.

CONCLUSION

We said that a decision and a letter would be sent to Clark in about 2 months.

Chronology

Clark Oil, Blue Island, ILD 005 109 822

Part A application submittal	11/18/80
Generation of waste	unknown
Sampling and delivery of waste to lab (GCL)	7/7/81
Sample tests completed and mailed to Clark	7/22/81
Sample tests results received from GCL	7/23/81
Sample profile sheet sent to CID landfill	7/24/91
Sample analysis completed by CID landfill	8/10/81
Application sent to IEPA for permit by landfill	8/24/81
Application received by IEPA	8/27/81
90 days after sampling of waste	10/5/81
Permit issued by IEPA to CID landfill	10/16/81
Copy of permit received by Clark	10/30/81
Waste taken off site to CID landfill	11/3/81
120 days after sampling of waste	11/4/81
Clark request to IEPA & U.S. EPA for withdrawal	8/2/83
Clark letter to IEPA	8/23/83
U.S. EPA letter to Clark, certification request	1/27/84
Clark letter to U.S. EPA, requesting withdrawal	7/24/84
U.S. EPA (accumulation facility) letter to Clark	12/18/84
Clark letter to U.S. EPA, requesting withdrawal	1/10/85
U.S. EPA letter to Clark, certification request	6/19/85
Clark letter to U.S. EPA, certification	7/24/85
Clark letter to U.S. EPA (RA), request withdrawal	10/8/85
Clark letter to IEPA, enclosing 10/8/85 letter	10/11/85
U.S. EPA, RFA visual site inspection (VSI)	8/12/87
Clark letter to U.S. EPA, API bottoms analysis	8/24/87
U.S. EPA, RFA sampling visit (SV)	12/2/87
Clark letter to IEPA, generator only status?	12/10/87
Clark letter to IEPA (Maywood) sampling, withdraw	2/18/88
IEPA letter to Clark, must submit closure	2/19/88
Clark letter to IEPA, request variance	3/3/88
IEPA letter to Clark, denied variance	3/28/88
Clark letter to IEPA, response, want extension	3/31/88
IEPA letter to Clark, not empowered for extension	4/27/88
Clark letter to U.S. EPA, request variance	7/15/88
Clark letter to IEPA, withdrawal request followup	8/22/88
U.S. EPA letter to Clark, results of RFA sampling	9/22/88
Clark letter to U.S. EPA, variance followup	10/31/88
Clark letter to U.S. EPA, variance followup	4/14/89
Clark letter to U.S. EPA, asking for extension	9/12/89
U.S. EPA letter to Clark, reviewing request	11/16/89
U.S. EPA letter to Clark, denial of extension	1/8/90
Clark letter to U.S. EPA, extension request	8/2/90
Clark letter to U.S. EPA, extension followup	12/26/90
U.S. EPA site visit & discussion about extension	2/11/91
Clark letter to U.S. EPA, ext. visit followup	2/27/91

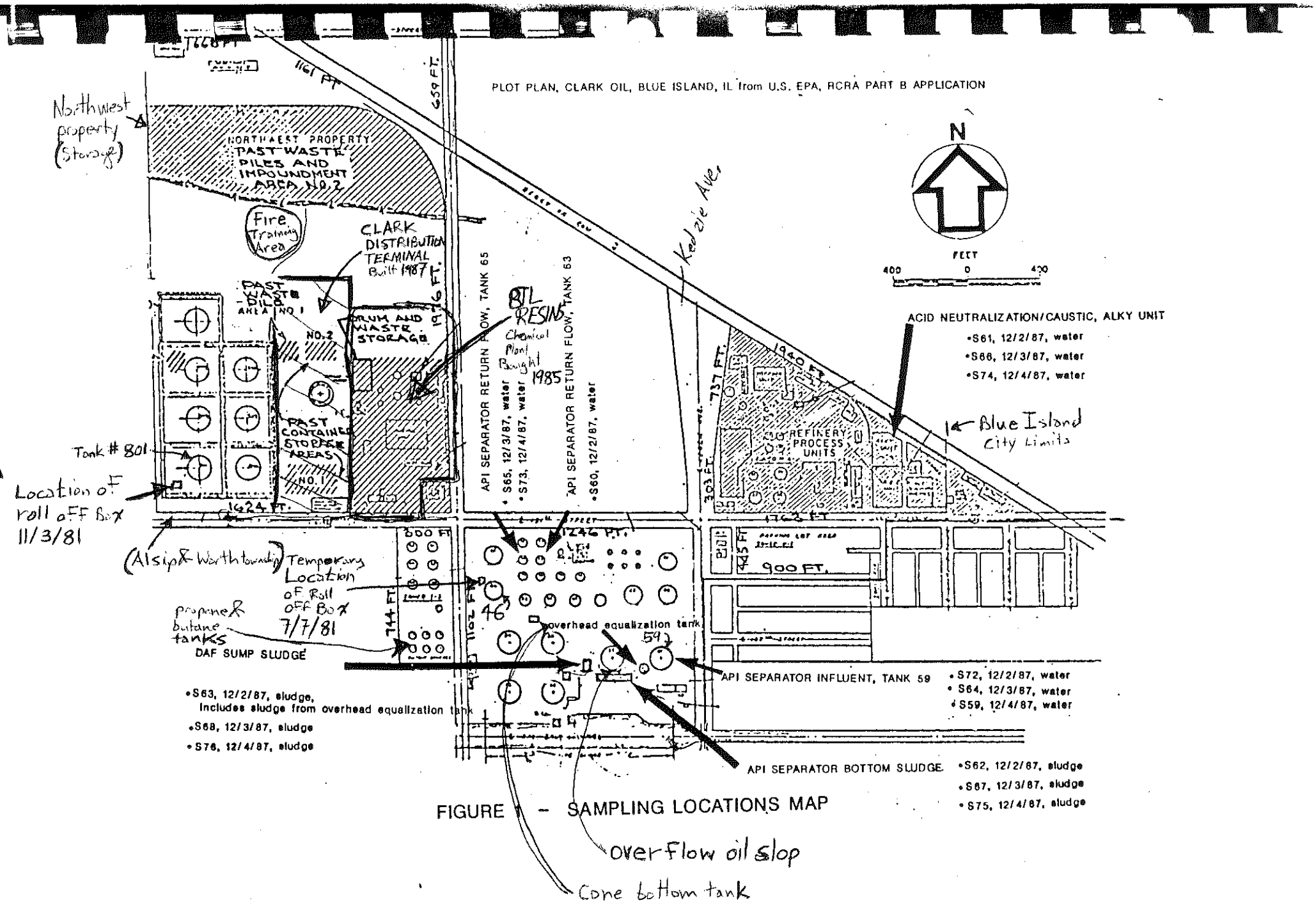


FIGURE 1 - SAMPLING LOCATIONS MAP

CLARK OIL & REFINING Corporation
BLUE ISLAND, ILLINOIS

FIRE SYSTEM
ROADWAY, TANK & UNIT LOCATIONS WEST OF KEDZIE AVENUE

DRAWN BY SCHULTZ
DATE 12-28-77
CH'K'D
SCALE NONE

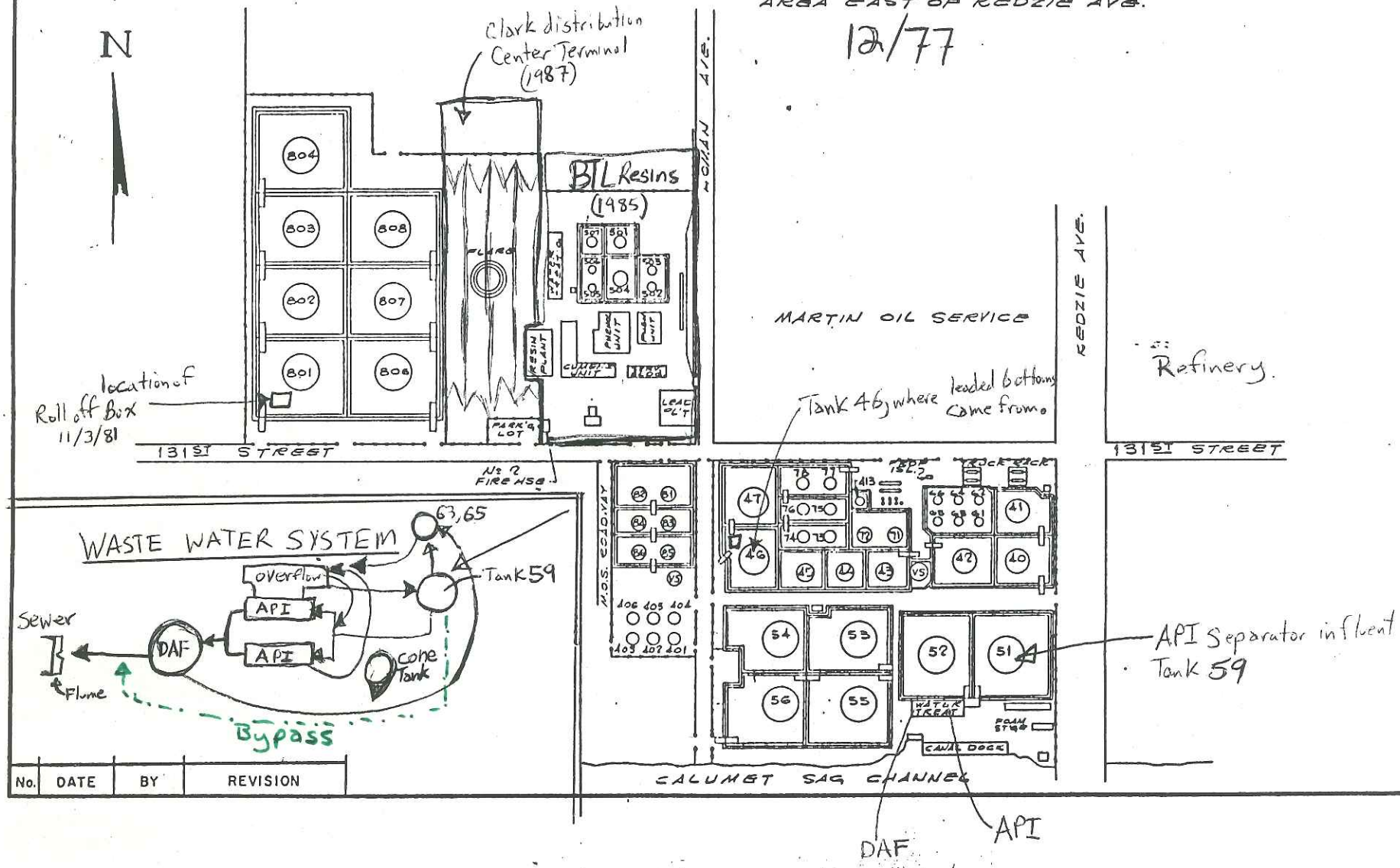
DRAWING NO. W-60-01-106

PIPING CLASS

LINE No.	INSUL. THK.

NOTE:
SEE DWG W-60-01-105 FOR AREA EAST OF KEDZIE AVE.

12/77



No.	DATE	BY	REVISION

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
708/967-6666
FAX: 708/967-6735

LABORATORY REPORT

09680-A

Clark Oil Corporation
131st & Kedzie Avenue
Blue Island, IL 60406

Report Date: February 4, 1991
Sample Received: As Listed

Sample Description: GRAB - 1A Flume effluent - discharge to district

Date	Time	Sample No.	Ammonia	Oil & Grease
1/16	Midnight	2654	10.6	26
1/16	4:00 am	2652	11.2	13
1/16	8:00 am	2653	6.7	13
1/17	Midnight	2655	5.2	11
1/17	8:00 am	2656	3.1	19
1/17	4:00 pm	2695	3.5	22
1/18	Midnight	2696	3.6	14
1/18	8:00 am	2697	11.5	28
1/18	4:00 pm	2796	11.2	36
1/19	Midnight	2788	9.5	17
1/19	8:00 am	2789	15.4	40
1/19	4:00 pm	2790	6.4	37
1/21	Midnight	2795	14.0	22
1/21	8:00 am	2794	15.1	28
1/21	4:00 pm	2908	8.4	19
1/23	Midnight	2916	7.6	49
1/23	8:00 am	2912	8.8	30
1/23	4:00 pm	3025	7.3	13

All results expressed as ppm unless otherwise indicated.
Analyses performed using "Standard Methods for the Examination of Water and Wastewater", 17th Edition.

Karen Matchett

LABORATORY DIRECTOR

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: D076464466

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
02 ☐ OBSERVED (DATE: ____)
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION
☒ POTENTIAL ☐ ALLEGED

Groundwater contamination is a possibility, especially with the leaked tank bottoms, but Elue Island and the surrounding communities are on Lake Michigan water for their drinking water supplies

01 ☐ B. SURFACE WATER CONTAMINATION
02 ☐ OBSERVED (DATE: ____)
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

Surface water contamination is potential only if buried waste is washed up by surface water runoff. Surface water runoff is either kept within the diked tank areas, the stormwater is collected and is allowed to evaporate or is diverted to an oil-water separator. The effluent is collected and the water is discharged to a nearby creek via a settling pond. The creek eventually empties into the Calumet Creek.

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

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
02 ☐ OBSERVED (DATE: ____)
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

Site is a Petroleum Storage terminal so a fire/explosion does exist but not due to the buried tank bottoms mentioned in the Hazardous waste notification 6-30-81

01 ☐ E. DIRECT CONTACT
02 ☐ OBSERVED (DATE: ____)
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

Site is fenced

01 ☒ F. CONTAMINATION OF SOIL
02 ☐ OBSERVED (DATE: ____)
03 AREA POTENTIALLY AFFECTED: 0.5 acre
04 NARRATIVE DESCRIPTION
☒ POTENTIAL ☐ ALLEGED

Some of the disposal areas have never been covered so the surrounding soils are most likely contaminated due to surface water runoff

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

Elue Island and surrounding communities receive drinking water from Lake Michigan

01 ☒ H. WORKER EXPOSURE/INJURY
02 ☐ OBSERVED (DATE: ____)
03 WORKERS POTENTIALLY AFFECTED: 3
04 NARRATIVE DESCRIPTION
☒ POTENTIAL ☐ ALLEGED

3 full time terminal employees. They are not endangered by the buried waste

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

RECEIVED
MAR 22 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

EPA FORM 2070-13 (7-81)

SHPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: D096464466

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (CHECK ALL THAT APPLY)
☒ SOLID
☐ POWDER, FINES
☐ SLURRY
☐ LIQUID
☐ SLUDGE
☐ GAS
☒ OTHER: TANK BOTTOMS

02 WASTE QUANTITY AT SITE
TONS
CUBIC YARDS: ~52.4
NO. OF DRUMS

03 WASTE CHARACTERISTICS (CHECK ALL THAT APPLY)
☒ TOXIC
☐ CORROSIVE
☐ RADIOACTIVE
☒ FLAMMABLE
☐ INFECTIOUS
☐ EXPLOSIVE
☐ REACTIVE
☐ INCOMPATIBLE
☐ NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 AMOUNT	02 UNIT OF MEASURE	DESCRIPTION
SLU	SLUDGE			WASTE CONTENTS OF TANK BOTTOMS FROM TANKS OF OIL, DIESEL FUEL GASOLINE (LEADED AND UNLEADED) AND FUEL OIL. Approximate waste quantity figured by the following: 3 pits at 6'x6'x6' 1 pit at 25'x10'x3' 1 pit at 3'x3'x2' — NO OFFSITE CONTAMINATION OUTSIDE OF TANK PIT BUT TO THE WEST OF PARKING CONTAINERS. RECEIVED TANK BOTTOMS FROM THE PITS AND THE QUANTITY
OLW	OILY WASTE	524	cu yds	
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
HMS	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS

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

Conversation and inspection with J. Kirkland Grace II and Ray Sagan - on 2-1-84
Mr Sagan has worked at the terminals for 25 yrs

RECEIVED
MAR 22 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

EPA FORM 2070-13 (8-81)

GSEPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: D096464466

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name): MARTIN BLUE ISLAND TERMINAL
02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: 13100 S. Kedzie Ave
03 CITY: Blue Island
04 STATE: IL
05 ZIP CODE: 60406
06 COUNTY: Cook
07 COUNTY CODE: 031
08 CONG. DIST.: 03
09 COORDINATES: LATITUDE 41° 39' 12.5" LONGITUDE 087° 42' 21.4"
10 OWNERSHIP (Check all that apply): ☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION: 2/1/84
02 OPERATIONAL STATUS: ☒ ACTIVE ☐ INACTIVE
03 DATES OF OPERATION: 1955 / 1980 (BEGINNING YEAR / ENDING YEAR)
04 SITE IS ACTIVE BUT WASTE DISPOSAL ON SITE ENDED IN 1980
05 AGENCY(IES) CONDUCTING INSPECTION (Check all that apply): ☐ A. EPA ☐ B. EPA CONTRACTOR Ecology and Environment ☐ C. FEDERAL ☐ D. FEDERAL CONTRACTOR ☒ E. STATE ☐ F. STATE CONTRACTOR ☐ G. OTHER

06 INSPECTOR	07 TITLE	08 ORGANIZATION	09 TELEPHONE NO.
Dan Cozza	Ecologist	Ecology & Environment	(312) 663-9415
Fran Allins	Biologist		( )
Cliff Gould		IEPA	(312) 345-9780
			( )
			( )
			( )

10 OWNER OR MANAGER OF SITE	11 TITLE	12 STREET, CITY, STATE, ZIP	13 TELEPHONE NO.
J. Kirkland Greer II	Vice President	4501 W. 127th Street Alsip IL 60658	(312) 385-6500
Ray Sagen	Terminal Employee	13100 S. Kedzie Ave Blue Island IL 60406	(312) 385-6500
			( )
			( )
			( )

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MAR 22 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

14. TIME OF INSPECTION: 9:00 am

15. WEATHER CONDITIONS: Clear + Sunny, high of 38°F
WIND OUT OF THE WEST 3/10 mph

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (AGENCY/ORGANIZATION)	03 TELEPHONE NO.
Cliff Gould	Illinois EPA	(312) 345-9780

04 PERSON(S) CONDUCTING INSPECTION	05 AGENCY/ORGANIZATION	06 TELEPHONE NO.	07 DATE
Dan Cozza	Ecology & Environment	312 663-9415	2/1/84

(MM/DD/YY)

LOG OF WATER WELL

William Biloche (William Biloche) Well No. 101

Property owner

Drilled by H. Hallemann Year 1961

Formations passed through	Thickness feet	Depth of Bottom
Soil		
Yellow Clay	5	6
Gravel	3	9
Limestone	89	98

COUNTY NO. 724

Permit # 5702

Received 11-27-68

(Continue on back if necessary)

Finished in Limestone at 9 to 98 ft.

Cased with 5 inch Galv. Casing from 0 to 9 ft.

and inch from to ft.

Size hole below casing 5 inch. Static level from surf 12 ft.

Tested capacity 4 gal. per min. Temperature °F.

Water lowered to 80 ft. in. in 1 hrs. min.

Length of test 1 hrs. min. Screen

Slot Diam. Length Bottom set at ft.

(Show location in Section Plat)

Township name Elev.

Lot 12, Block 1, Jas. T. Smith & Co.

Description of location Second Addn. to Clairmont a subdivn. in described section (Permit)

Sec. 35 Twp. 37N Rge. 13E

Signed H. Hallemann County Cook

Index: 35-37N-13E

Illinois State Geological Survey

(1)110—20M—3,66

Page 1 ILLINOIS GEOLOGICAL SURVEY, URBANA

Item	Thickness	Top	Bot
Boring No. 87			
Spoil	4- 0		
Original surface - black dirt	1- 0		
Yellow sand and some clay	7- 0		12
Dark brown peat	2- 0		
Blue clay and sand	18- 6		
Limestone	3- 6		33

Reference set of drawings 4040 p5-25 in map files.

Blue Island quadrangle.

COMPANY Corps of Engineers

FARM Calumet-Sag Canal No. 87

DATE DRILLED Prior to 10-1-46 COUNTY NO. 101

AUTHORITY Corps of Engineers

ELEVATION 596.5 MSL

LOCATION NW., SE., SE.

COUNTY Cook

35-37N-13E

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LOG OF WATER WELL

William Bilocher

Property owner William Bilocher Well No. 109

Drilled by H. Hallemann Year 1961

Formations passed through	Thick. feet	Depth of Bottom
Soil		
Yellow Clay	5	6
Gravel	3	9
Limestone	89	98

COUNTY 224

Permit # 5702

Received 11-27-68

(Continue on back if necessary)

Finished in Limestone at 9 to 98 ft.

Cased with 5 inch galv. Casing from 0 to 9 ft.

and ____ inch ____ from ____ to ____ ft.

Size hole below casing 5 inch. Static level from surf. 12 ft.

Tested capacity 4 gal. per min. Temperature ____ °F.

Water lowered to 80 ft. in. in 1 hrs. ____ min.

Length of test 1 hrs. ____ min. Screen ____

Slot ____ Diam. ____ Length ____ Bottom set at ____ ft.

(Show location in Section Plat)

Township name ____ Elev. ____ Sec. 35

Lot 12, Block 1, Jas. T. Smith & Co.

Description of location Second Addn. to Twp. 37N

Clairmont a subdivn. in described section (Permit) Rge. 13E

Sig. H. Hallemann County Cook

Co. of Illinois State Geological Survey Index: 35-37N-13E

(18210—20M—3;66)

Page 1 ILLINOIS GEOLOGICAL SURVEY, URBANA

Item	Thickness	Top	Bot
Boring No. 87			
Spoil	4-0		4
Original surface - black dirt	1-0	4	5
Yellow sand and some clay	7-0	5	12
Dark brown peat	2-0	12	14
Blue clay and sand	18-6	14	32
Limestone	5-6	32	
Reference set of drawings 4040 p5-25 in map files.			
Blue Island quadrangle.			

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COMPANY Corps of Engineers

FARM Calumet-Sag Canal NO. 87

DATE DRILLED Prior to 10-1-46 COUNTY NO. 101

AUTHORITY Corps of Engineers

ELEVATION 596.5 ISL

LOCATION 1/4N., SE., SE.

COUNTY Cook

35-37N-13E

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
IL | D064464466

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILL CONTAINMENT PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE CHEMICALLY TREATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. WASTE TOXIFIED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. WASTE DISPOSED OFF SITE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. WASTE DISPOSED ON SITE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. SURFACE WATER DIVERTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. DRAINAGE CONTROL IMPROVEMENTS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. SURFACE SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. EMERGENCY DIKE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY SURFACE WATER STORAGE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. [illegible] — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. [illegible] — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

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MAR 22 [illegible]
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STATE OF ILLINOIS

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D096464466

II. PAST RESPONSE ACTIVITIES

01 ☐ A. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. GROUND WATER CONTROL CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. WATER REPLACED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. SITE EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. RESIDENCES RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. REPLACEMENT WATER SUPPLY — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

Site visited and observed at Fletcher Creek II on 3/10
by [illegible] and [illegible]

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STATE OF ILLINOIS

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	3D964644 66

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

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

Onsite inspection and interview with J. Kirkland Grier II on 2-1-84
Ecology and Environment, USEPA files

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E.P.A. — D.L.P.C.
STATE OF ILLINOIS

FIELD PHOTOGRAPHY LOG SHEET

DATE 2-1-84

TIME 10:15 (AM) P.M.

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
(W) WNW NW NNW

WEATHER Sunny 35°

SITE MARTIN Blue Island Terminal

IDDN RS8303-1B-149

PHOTOGRAPHED BY: D. Cozza

SAMPLE IDN (if applicable) —

DESCRIPTION: Pit Area outside the diked area of tank #20
Pit size approximately 25' x 10' x 3'

DATE 2-1-84

TIME 10:30 (AM) P.M.

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW (SW) WSW
W WNW NW NNW

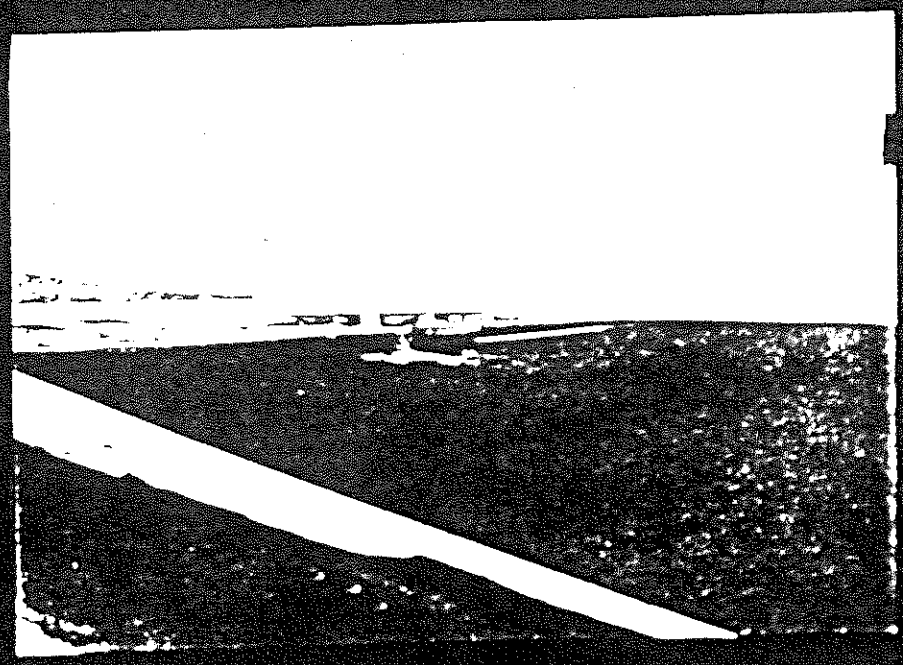
WEATHER Sunny 35°

SITE MARTIN Blue Island Terminal

IDDN RS8303-1B-149

PHOTOGRAPHED BY: D. Cozza

SAMPLE IDN (if applicable) —



DESCRIPTION: Pit Area inside of diked area of tank #8
Pit size approximately 6' x 6' x 6'

RECEIVED
MAR 22 1984
EPA — DLPC
STATE OF ILLINOIS
mining and reclamation bureau

recycled paper

95120005374

CLARK OIL & REFINING CORPORATION

May 13, 1987

RECEIVED
MAY 14 1987
U.S. EPA, REGION V
WASTE MANAGEMENT DIVISION
HAZARDOUS WASTE ENFORCEMENT BRANCH

Ms. Shirlee Brauer
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Section 5HE-12
230 S. Dearborn Street
Chicago, Illinois 60604

Dear Ms. Brauer:

In response to the correspondence dated April 17, 1987, received April 21, 1987, enclosed please find the requested certification.

Please contact me if you have any questions or if you require any additional information.

Sincerely,

John T. Bernbom
Director of Environmental Control

dlg

Enclosure

131st & Kedzie Avenue Post Office Box 297 Blue Island, Illinois 60406 (312) 928-5200

All responses should be sent to Ms. Shirlee Brauer, U.S. EPA Region V, RCRA Enforcement Section, 5HE-12, 230 South Dearborn Street, Chicago, Illinois 60604. Questions may be directed to the RCRA/Superfund Hotline at (800) 424-9346 or to either Ms. Brauer at (312) 886-4591 or Ms. Laura Lodisio at (312) 886-7090.

Sincerely,

Basil G. Constantelos, Director
Waste Management Division

Enclosure

- -

After reviewing the information provided, I certify that I am not a marketer or burner of waste-as-fuel and that I do not generate hazardous waste used to produce a fuel. Therefore, I am not subject to the regulations finalized on November 29, 1985, which are codified in 40 CFR Part 266, Subparts D and E. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Name and Official Title	Date Signed
John T. Bernbom	Director of Environmental Control	May 13, 1987

- -

Clark Oil & Refining Corporation remains a generator-only of hazardous waste and is not subject to, or is exempt from, the requirements of 40 CFR Part 266, Subparts D and E at the following locations:

Wood River Refinery
P.O. Box 7
Hawthorne Street North
Hartford, Illinois 62048

USEPA I.D. No. ILD041889023

Blue Island Refinery
P.O. Box 297
131st & Kedzie Avenue
Blue Island, Illinois 60406

USEPA I.D. No. ILD05109822