

837009

New York State Department of Environmental Conservation  
Division of Hazardous Waste Remediation  
Bureau of Hazardous Site Control  
Additions/Change to Registry Summary of Approvals

Site Name Diaz Chemical DEC I.D. Number 837502 <sup>009</sup>

Current Classification \_\_\_\_\_

Activity  Add as Class 2  Reclassify to \_\_\_\_\_  Delist Category \_\_\_\_\_  Modify \_\_\_\_\_

Approvals.

Regional Hazardous Waste Engineer Yes  No  \_\_\_\_\_

NYSDOH Yes  No  \_\_\_\_\_

DEE Yes  No  \_\_\_\_\_

BHSC: a. Investigation Section Yes  No  \_\_\_\_\_

b. Site Control Section Robert Maroney Date 3/6/91

c. Director Robert Maroney Date 5/30/91

DHWR Assistant Director Charles J. Jodanis Date 7/8/92

• 1992 ~ '93 •

**ADDITIONS/CHANGES TO REGISTRY  
OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES** • 1992-93

Copy - DOH  
Copy - PREPARER

1. SITE NAME: Diaz Chemical Corporation      2. SITE NO.: 877502      3. TOWN: Murray      4. COUNTY: Orleans

5. REGION: 8      6. CLASSIFICATION: Current / Proposed 2      7. ACTIVITY:  Add     Reclassify     Delist     Modify

8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location). Take exit 47 off the NYS Thruway and proceed north on Rt. 19, Turn left onto Rt. 31 (west) until reaching the Village of Holley Corp. limits. Rt. 31 turns into State St. Continue driving toward downtown for about 1/2 mile, then take the 1st left turn onto Batavia St. Travel north for 100 yds., then take the 1st right turn onto Main St. The Diaz Chemical plant is located at 40 Jackson St. which is the 1st left turn off Main St.  
 b. Quadrangle Holley      c. Site Latitude 43°13'15"N Longitude 78°01'49"W      d. Tax Map Number 87.08-2-38.1

9a. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations) The Diaz Chemical Corporation, located in the Village of Holley, NY, began operations in 1974. The company is skilled in the manufacturing of aromatic intermediates needed by the pharmaceutical and agricultural (pesticide and herbicide derivatives) industries. Beside performing diazotization reactions with fluorine, bromine and chlorine, they also specialize in Benzotrifluorine chemistry, bromination, chlorination, nitration and many other chemical reactions. Prior to being Diaz, the property was the site of the Duffy Mott food manufacturing plant. Historically, the plant was also the largest vinegar plant in the world.  
 b. Area 475 acres      c. EPA ID Number \_\_\_\_\_      d. PA/SI  Yes  No  
 e. Completed:  Phase I     Phase II     PSA     Sampling

10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE

Waste Type	Quantity	Dates
Acetone	Unknown	Unknown
Methylene Chloride	"	"
Ethylene Dichloride	"	"
1-Bromo-2-Chloroethene	"	"
2-Bromo-Pyridine	"	"
P-Chlorobenzotrifluoride	"	"

11a. SUMMARIZED SAMPLING DATA ATTACHED

Air     Groundwater     Surface Water     Sediment at Outfall 001     Soil / Waste     EP Tox     TCLP     Health Based MCL STD.

b. List contravened parameters and values

Waste Type	Gas #	Concentration	Health Based MCL STD.
Methylene Chloride	75-09-2	7 ug/l	5 ug/l
Ethylendichloride	107-06-2	3700 ug/l	5 ug/l
Acetone	67-64-1	2510 ug/l	50 ug/l
1-Bromo-2-Chloroethane	107-04-0	591 ug/l	50 ug/l
2-Bromo Pyridine	109-04-6	2500 ug/l	50 ug/l
P-Chlorobenzotrifluoride	88-16-04	144 ug/l	50 ug/l

12. SITE IMPACT DATA      East Branch Sandy Creek

a. Nearest surface water: Distance 500 ft.      Direction East      Classification D

b. Nearest groundwater: Depth 10-15 ft.      Flow Direction E-NE       Sole Source     Primary     Principal

c. Nearest water supply: Distance 3000 ft.      Direction SW      Active  Yes     No

d. Nearest building: Distance 50 ft.      Direction East      Use Private Residence

e. Crops or livestock on site?  Yes     No

f. Exposed hazardous waste?  Yes     No (drums, tanks, reactors)

g. Controlled site access?  Yes     No

h. Documented fish or wildlife mortality?  Yes     No

i. Impact on special status fish or wildlife resource?  Yes     No

j. Within a State Economic Development Zone?  Yes     No

k. For Class 2a; Code \_\_\_\_\_      Health Model Score \_\_\_\_\_

l. For Class 2; Priority Category I

m. HRS Score \_\_\_\_\_      See

n. Significant Threat  Yes    Atchmt.     No     Unknown

13. SITE OWNER'S NAME: T. M. Jenny      14. ADDRESS: Diaz Chemical Corp. 40 Jackson St., Holley, NY 14470      15. TELEPHONE NUMBER: (716) 638-6321

Chairman of the Board

16. PREPARER

Peter V. Hoffmire      2-13-91  
Signature      Date

Peter V. Hoffmire; EE-1; NYSDEC.  
Name, Title, Organization

17. APPROVED

Charles J. Adkins      2/13/91  
Signature      Date

Adkins, D. J.  
Name, Title, Organization

SITE # 837009 SITE NAME Diaz Chemical Corp.

- Priority I - Top priority sites; supersede all others. Priority I can be assigned if any of the following criteria is met:

  - a) A sole source or primary aquifer, or a public or private water supply is being contaminated or threatened, or
  - b) Human exposure to contaminants has been identified which represents a Significant health risk as determined by DOH, or
  - c) There is a bioaccumulation of site contaminants in flora or fauna which results in a health advisory, or
  - d) Site contaminants are at levels that are acutely toxic to fish or wildlife or have caused documented fish or wildlife mortality, or
  - e) An expedient response could measurably reduce the threat to health or the environment, reduce the scope of a corrective action, or reduce potential remedial costs.
  
- Priority II - Important sites. Priority II can be assigned if any of the following criteria is met:

  - a) A Class AA or a Class A surface water body or a principal aquifer is being contaminated or threatened; however, no existing water supply has been contaminated, or
  - b) There is a bioaccumulation of site contaminants in flora or fauna which results in advisory or actionable levels but below levels necessitating a health advisory, or
  - c) Site contaminants are at levels chronically toxic to fish/wildlife, or
  - d) Endangered, threatened or rare species, significant habitats, designated coastal zone areas or regulated wetlands are being impacted by releases from the site, or
  - e) The site is identified by the International Joint Commission (IJC) as a component in a Remedial Action Plan (RAP), or
  - f) The site is within a State Economic Development Zone or is targeted for local government supported development and the developer has expressed a willingness to enter into a consent order with DEC to finance investigation and remediation.
  
- Priority III - General Site Category. Priority III will be assigned unless one or more of the site prioritization criteria, specified above, apply to a site. When resources become available, after remedial needs for Priority I and II sites have been accommodated, remediation of sites under this category can be considered.

COMMENT Contravention of groundwater standards by POC analytes threatens the Village of Holley Water District. Fish kill documented 5/19/77.

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Filled out by (Name): P. V. Hoffmire Date: 2/12/91

CLASSIFICATION WORKSHEET

Site: Diaz Chemical Corp. County: Orleans Region: 8

1. Hazardous waste disposed?  Y (to 2)  N (Stop)  U (Stop)
2. Consequential amount of hazardous waste?  Y (to 3)  N (Stop)  U (to 3)
3. Part 375-1.4(a)(1) applies?  N (to 4)  U (to 4)  
 Y (as checked below; Class 2; to 5)

- a. endangered or threatened species  d. fish, shellfish, crustacea or wildlife
- b. streams, wetlands or coastal zone  e. fire, spill, explosion or toxic reaction
- c. bioaccumulation  f. proximity to people or water supplies

Site is within the "zone of vulnerability" for the "Glidden Well" a municipal well. This well has a very high production rate.

4. Part 375-1.4(a)(2) applies?  N (Cl 3; Stop)  U (Cl 2a; Stop)  
 Y (Class 2; to 5)

5. Factor(s) considered in making this determination:

- c) Manor of Disposal : 26 releases have been documented over the years since 1975.
- d) Nature of Soils & Bedrock : These are highly permeable soils in site area. A fault exists in bedrock in area near site and runs through area of municipal wells.
- e) Hydrology : The high production rate of the "Glidden Well" coupled with location of Clarendon-Lynden Fault may have impact on the well.
- g) Contaminants : Six organic chemicals exceeding standards have been detected in groundwater immediately under the site. This is only facility known where these chemicals are handled in this area.
- j) Wetland : A significant wildlife habitat "Twin Leaf" is located 1000 feet SE of Diaz.
- k) Wildlife Exposure : Fish Kill documented (5/19/77).

SUMMARY

Consequential Hazardous Waste  Yes  No  Unknown

Significant Threat  Yes  No  Unknown

Proposed Classification 2 Site Number 837502

6/29/92

Date

Signature and Title

*John J. Fagg, Sr. Eng. Geologist*

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

082498

CLASSIFICATION CODE: 2                      REGION: 8                      SITE CODE: 837009  
EPA ID:

NAME OF SITE :    Diaz Chemical Corporation  
STREET ADDRESS:    40 Jackson Street  
TOWN/CITY:                      COUNTY:                      ZIP:  
Holley                      Orleans                      14470

SITE TYPE: Open Dump-    Structure-X Lagoon-    Landfill-    Treatment Pond-  
ESTIMATED SIZE:    4.5                      Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....:    Diaz Chemical Corporation  
CURRENT OWNER ADDRESS.:    40 Jackson Street, Holley, NY  
OWNER(S) DURING USE...:    Diaz Chemical Corp.  
OPERATOR DURING USE...:    Diaz Chemical Corporation  
OPERATOR ADDRESS.....:    40 Jackson Street, Holley, NY  
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1974                      To 1991

SITE DESCRIPTION:

Diaz Chemical Corporation, ia a chemical manufacturing plant of aromatic intermediates such as bromo-benzene derivatives that are utilized by pharmaceutical and agricultural industries. They also specialize in Diazo tizations, bromination, chlorination, nitrations and many other types of chemical reaction processes. In 1989, Diaz sampled two production wells located in the northeast corner of the facility. Ethylene dichloride, (EDC), a chemical used by Diaz, was detected above 1 ppm in groundwater. The current New York State groundwater standard for EDC is 0.005 ppm. Other volatile org anic compounds were also detected in the groundwater sample. In July of 1994, a Consent Order was signed committing Diaz to conduct a Remedial Investigation/ Feasibility Study (RI/FS). The first phase RI was completed in December of 1994 and a second phase RI was completed in December of 1995. The RI reports revealed the presence of site related contamination in the soils and in both shallow and bedrock groundwater. An Interim Remedial Measure (IRM ) was com pleted in January of 1996. It is designed to capture and treat contaminated groundwater at the site boundary. A third phase RI is scheduled for 1996. This RI will evaluate the effectiveness of the IRM and characterize the iden tified source areas.

HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY (units)
Methylene chloride	unknown
Ethylene chloride	unknown
1-Bromo-2-chloroethane	unknown
2-Bromopyridine	unknown
P-Chlorobenzotrifluoride	unknown

ANALYTICAL DATA AVAILABLE:

Air- Surface Water-X Groundwater-X Soil-X Sediment-X

CONTRAVENTION OF STANDARDS:

Groundwater-X Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE...: Consent Order-RI-FS State- X Federal-  
STATUS: Negotiation in Progress- Order Signed- X

REMEDIAL ACTION:

Proposed- Under design- In Progress-X Completed-  
NATURE OF ACTION: IRM and RI-FS

GEOTECHNICAL INFORMATION:

SOIL TYPE: Arkport very fine sandy loam  
GROUNDWATER DEPTH: Approximately 10-15 feet

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Groundwater and soil contamination has been confirmed. Additional investigation is needed to fully assess the extent of contamination. An IRM to hydraulically control contaminated groundwater was completed in January of 1996.

ASSESSMENT OF HEALTH PROBLEMS:

Groundwater is contaminated on-site in both the overburden and bedrock. Public water is supplied in the immediate vicinity of the site. The Village of Holley has five water supply wells which are located approximately 1,000 meters south and upgradient of the Diaz site. These wells have been sampled and no site related contamination has been detected. A private well survey was conducted and revealed that there are no private wells near the site which are being used as a drinking water supply. However, the survey did identify one well near and downgradient of the site that may be used for other domestic purposes such as watering gardens. This private well is to be sampled. A basement survey and possibly sampling will be conducted in residences adjacent and downgradient of the site to evaluate potential exposure through groundwater and soil gas infiltration. As part of Phase II of the RI, Sandy Hill Creek sediment and surface water samples will be collected to evaluate potential impacts on these media.

## EXPANDED DIAZ CHEMICAL SITE DESCRIPTION

### History of Site

The Diaz Chemical Corporation, located on 4 acres in the Village of Holley, NY, was founded in 1974. The company is skilled in the manufacturing of aromatic intermediates needed by the pharmaceutical and agricultural industries. Besides performing diazotization reactions with fluorine, bromine and chlorine, they also specialize in benzotrifluoride chemistry, bromination, dichlorination, nitration and many other chemical reactions.

Prior to being the Diaz Chemical Corporation, the property was the site of the Duffy Mott Food Manufacturing plant. They began operations in 1914 and was historically known as the largest vinegar plant in the world. Before Duffy Mott, the Genesee Food Corporation owned the property in 1914 and before them, Miller and Pettongill operated at the site from 1890 to 1914 as food processors.

### History of Plant Operations

Before 1981, this plant was the subject of numerous and frequent complaints. Improper procedures within the plant resulted in process upsets and spills. Since 1981, the company has made a concerted effort to improve procedures, maintenance and respond to problems. Storage areas have been diked, process alarms have been installed, scheduled maintenance performed and recorded and employee training programs have been implemented. The addition of a full-time environmental coordinator in early 1987 was the most significant factor. As a result, the number and frequency of community complaints has dropped dramatically; however, cause for concern still exists.

The most recent inspection conducted by regional staff indicated housekeeping at this facility needs more improvement. Records state many areas of the facility had some type of unknown liquid on the floor. Other accounts indicate questionable labeling practices for some of the drums, tanks and batch reactors. Due to the nature of the Diaz business, they have multi-use tanks which are sometimes involved in hazardous waste storage and other times used for product storage. In total, they have registered 33 chemical bulk storage tanks with the Regional Office. All are above ground design.

Under Section 313 of the Emergency Planning and Community Right-to-Know Act (SARA), since 1975 Diaz has reported 26 spills to the environment of which 16 resulted in a chemical release to the

land, village sanitary sewer or the east bank of Sandy Creek. The impact of off-site contamination has been minimized somewhat by the installation of a wastewater collection/separation system in \_\_\_\_\_ . Lost chemicals include but are not limited to a 30% methylene chloride solution, acetic anhydride, triethylamine, chlorine, bromine, ethyl chloro propanol nitric acid, sulfuric acid and other process waste waters. Spill records vary as to the quantity recovered and returned for reprocessing and the quantity lost to the environment. Of all the spills reported to the NYSDEC, only methylene chloride has been detected in the two (2) production wells on site. According to Diaz, however, this spill was totally contained without loss to the environment.

In other concerns, fugitive odors from unidentified sources have been the main air emissions issue at this facility. Of the 26 releases reported to the NYSDEC, 10 involved accidental loss of chemicals such as chlorine or anhydrous ammonia.

In summary, the NYSDEC has recognized that better control is necessary and, as such, a "Best Management Plan" is being negotiated as a special condition prior to renewing the air permit for this facility in 1991.

#### History of Site Investigations

Earlier sampling events at this site have consisted of evaluating different media by plant personnel and the NYSDEC. In 1986, the DEC collected sediment samples at outfall 001 which discharges to the east branch of Sandy Creek. Methylene chloride and acetone were detected at elevated levels in the samples; however, these analytes were also found in the blank sample. The remaining organic contaminants showed characteristic evidence of coal tar residue, the source of which was confirmed to be attributed to an old coal fired power plant located on the former Duffy Mott property. This property was part of the original site but now is an abandoned parcel just south of the railroad tracks and Diaz.

The two (2) on-site production wells installed in 1979 were originally intended for cooling water purposes; however excessive brine contamination led to their premature abandonment. Both or over 100 feet deep. Bedrock was encountered at about 30 feet below grade. The first documented samples were tested for primary inorganic analytes in 1986. The chloride concentration exceeded 250 mg/l although sulfur was elevated as well. At the advice of the DEC, Diaz resumed sampling in 1989 and 1990 for volatile and semi-volatile organic compounds. The sample results indicate that of the 19 reacted and 23 produced chemicals at Diaz, six (6) were detected in the groundwater. In November 1990 composite samples of the plant wastewater discharged to the Village of Holley POTW identified the same organic chemicals at concentration of less than or equal to 430 ug/l.



On February 8, 1991, the DEC was informed during a site inspection that Diaz would initiate a batch treatability study to begin on February 10, 1991. This study would involve pump and treat technology using activated carbon for removal of EPA Method 8240 organic contaminants. The main analyte of concern is ethylene dichloride (EDC) detected in the groundwater at less than or equal to 3700 ug/l. According to Diaz, the use of ED in solvent mixture is related to production of Bromoacetophenone for the Eli Lilly Company. This production has been run in noncontinuous campaigns spread over the last 9 years. In 1989, 32,000 gallons of EDC was registered on site. As of today, however, Diaz contends that no pure EDC is on site. As understood, about 600 gallons of contaminated groundwater will be treated, then stored in Tank 137 for analysis after which the water will either be discharged to the Holley POTW or reused in their APC scrubber. Depending on the test results, a full scale operation may be installed.

#### Statement of Significant Threat

1. The groundwater has been contaminated by 6 volatile and semi-volatile organic compounds either reacted or produced in the chemical manufacturing operations at the Diaz facility.
2. The Diaz facility is located within the vulnerability zone (< 1 mile) of the Holley Water District. The Village water system is supplied by five (5) groundwater wells located between 3,000 - 4,000 feet south of the village along the east branch of Sandy Creek and its tributaries. The latest round of sampling results by the Orleans County Health Department indicates no contamination by principal organic compounds above detection limits in all five (5) wells. The direction of groundwater flow must be determined during the RI study but is assumed to be towards the north-northeast direction.
3. A significant wildlife habitat identified as "Twin Leaf", a rare plant, is found about 1,000 feet southeast of Diaz along the east branch of Sandy Creek.



## Preliminary Assessment

*Diaz Chemical Corp.  
40 Jackson St.  
Holley, Orleans Co.*

*[Site ID No 8370--]*



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

I. IDENTIFICATION  
01 STATE: XXXXXX 02 SITE NUMBER: 8370--

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common or descriptive name of site): Diaz Chemical Corporation  
02 STREET, ROUTE NO. OR SPECIFIC LOCATION IDENTIFIER: 40 Jackson Street  
03 CITY: Holley  
04 STATE: NY 05 ZIP CODE: 14470 06 COUNTY: Orleans 07 COUNTY CODE: 37 08 CONG. DIST.:  
09 COORDINATES: LATITUDE: 43 13"15"N LONGITUDE: 78 01'49"W  
10 DIRECTIONS TO SITE (Starting from nearest public road): Exit 47 off NYS Thruway to Rt. 19 North. Turn west onto Rt. 31 and continue driving to the Village of Holley limits. Continue about 1/2 mile downtown, take left turn onto Batavia St. travel north 100 yds, then take the 1st right turn onto Main St. The Diaz plant is on Jackson St. which is the 1st left turn off Main St.

III. RESPONSIBLE PARTIES

01 OWNER (if known): T. M. Jenny (Ted) Chairman of the Board  
02 STREET (Business, mailing, residential): 40 Jackson Street (Location)  
03 CITY: Holley  
04 STATE: NY 05 ZIP CODE: 14470 06 TELEPHONE NUMBER: (716) 638-6321  
07 OPERATOR (if known and different from owner): Same  
08 STREET (Business, mailing, residential): Box 194 (Mailing)  
09 CITY: Same  
10 STATE: same 11 ZIP CODE: same 12 TELEPHONE NUMBER: same  
13 TYPE OF OWNERSHIP (Check one):  
 A. PRIVATE  B. FEDERAL  C. STATE  D. COUNTY  E. MUNICIPAL  
 F. OTHER  G. UNKNOWN

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION: BY (Check all that apply):  
 YES DATE: 2 8 91 MONTH DAY YEAR  
 NO  
 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:  
BEGINNING YEAR: 1974 ENDING YEAR: present  UNKNOWN

Substance	CAS #	Substance	CAS #
Methylene Chloride	75-09-2	1-Bromo-2-Chloroethane	107-04-0
Ethylene Dichloride	107-06-2	2-Bromo Pyridine	109-04-6
Acetone	67-64-1	P-Chloro BenzoTrifluoride	98-16-04

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION:  
Contravention of groundwater standards by aromatic, halogenated volatile and semi-volatile compounds. Potential threat to the village of Holley water supply. Fish kill 5/19/77.

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 (Inspection on time available basis)  D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT: Mike Khalil, P. E.  
02 OF (Agency Organization): NYSDEC - Region 8, Division of Hazardous Waste Remediation  
03 TELEPHONE NUMBER: (716) 226-2466  
04 PERSON RESPONSIBLE FOR ASSESSMENT: Peter V. Hoffmire, P. E.  
05 AGENCY: NYSDEC 06 ORGANIZATION: DHWR 07 TELEPHONE NUMBER: (716) 226-2466 08 DATE: 2 / 12 91 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

G1 STATE G2 SITE NUMBER  
XXXX

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

G1 PHYSICAL STATES (check all that apply):  
A SOLID E SLURRY  
B POWDER FINES F LIQUID  
C SLUDGE G GAS  
D OTHER groundwater  
Specify:

G2 WASTE QUANTITY AT SITE  
(Measures of waste quantities must be independent)  
TONS \_\_\_\_\_  
CUBIC YARDS Unknown  
NO. OF DRUMS \_\_\_\_\_

G3 WASTE CHARACTERISTICS (check all that apply):  
 A TOXIC E SOLUBLE  
 B CORROSIVE F INFECTIOUS  
 C RADIOACTIVE  G FLAMMABLE  
 D PERSISTENT H IGNITABLE  
 I HIGHLY VOLATILE  
 J EXPLOSIVE  
 K REACTIVE  
 L INCOMPATIBLE  
 M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	G1 GROSS AMOUNT	G2 UNIT OF MEASURE	G3 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OGC	OTHER ORGANIC CHEMICALS	Unknown	Unknown	Groundwater & Sediment contamination
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

CATEGORY	SUBSTANCE NAME	G3 CAS NUMBER	G4 STORAGE/ DISPOSAL METHOD	G5 CONCENTRATION	G6 MEASURE OF CONCENTRATION
OCC	Methylene Chloride	75-09-2	Above ground tank	7	ug/l
OCC	Ethylene Dichloride	107-06-2	Contaminant <del>IN</del> IN	3700	"
OCC	Acetone	67-64-1	Groundwater, soil,	2510	"
OCC	1-Bromo-2-Chloroethane	107-04-0	Sediment	591	"
OCC	2-BromoPyridine	109-40-6	"	2500	"
OCC	P-ChloroBenzo-Tri-fluoride	88-16-04	"	144	"

CATEGORY	SUBSTANCE NAME	G3 CAS NUMBER	G4 STORAGE/ DISPOSAL METHOD	G5 CONCENTRATION	G6 MEASURE OF CONCENTRATION

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

NYSDEC - Region 8 files from the Division of Water and Division of Hazardous Substances Regulation.



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

I. IDENTIFICATION  
01 STATE XXXX 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01  A GROUNDWATER CONTAMINATION  
02  OBSERVED (DATE \_\_\_\_\_)  POTENTIAL  ALLEGED  
03 POPULATION POTENTIALLY AFFECTED ~ 2500  
04 NARRATIVE DESCRIPTION 3/15/89, 8/14/89 and 9/15/90  
Contamination by at least six (6) organic chemicals listed as inventory chemicals at the Diaz facility in 1989.

01  B SURFACE WATER CONTAMINATION  
02  OBSERVED (DATE \_\_\_\_\_)  POTENTIAL  ALLEGED  
03 POPULATION POTENTIALLY AFFECTED Unknown  
04 NARRATIVE DESCRIPTION  
At lease six (6) reported spill events from 1975 to the present resulting in runoff to the east branch of Sandy Creek. Chemicals included Bromine, Hexane, Nitric Acid, Sulfuric Acid, Teflon and washwater.

01  C CONTAMINATION OF AIR  
02  OBSERVED (DATE \_\_\_\_\_)  POTENTIAL  ALLEGED  
03 POPULATION POTENTIALLY AFFECTED Unknown  
04 NARRATIVE DESCRIPTION  
At least 18 air incidents have been reported to the NYSDEC Regional Office between 1986 and the present. At least eight (8) are nusiance complaints from the neighbors since 1975. Chemicals include Chlorine Gas, Nitirc Acid, and Hydrous Ammonia, HCl Acid and others.

01  D FIRE EXPLOSIVE CONDITIONS  
02  OBSERVED (DATE 7/16/90)  POTENTIAL  ALLEGED  
03 POPULATION POTENTIALLY AFFECTED Unknown  
04 NARRATIVE DESCRIPTION  
An explosion occurred at the Diaz facility on July 16, 1990 involving a teflon material. An unknown release drifted next door to the neighbors' property.

01  E DIRECT CONTACT  
02  OBSERVED (DATE \_\_\_\_\_)  POTENTIAL  ALLEGED  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_  
04 NARRATIVE DESCRIPTION  
Unknown - The 1989 inventory cited 19 reacted and 23 produced chemicals at Diaz.

01  F CONTAMINATION OF SOIL  
02  OBSERVED (DATE 12/24/86)  POTENTIAL  ALLEGED  
03 AREA POTENTIALLY AFFECTED Unknown  
04 NARRATIVE DESCRIPTION  
Sediment samples collected at outfall 001 detected semi-volatile organic compounds at elevated levels characteristic of coal tar waste. Intotal, 17 chemicals were detected. The suspected source is an abandoned boiler plant used by Duffy Mott just south of Diaz.

01  G DRINKING WATER CONTAMINATION  
02  OBSERVED (DATE \_\_\_\_\_)  POTENTIAL  ALLEGED  
03 POPULATION POTENTIALLY AFFECTED 2500  
04 NARRATIVE DESCRIPTION  
The greater Holley Water District is served by 5 wells located 3,000 - 4,000 feet south of the Diaz Facility. Sampling conducted by the Orleans County Health Dept. on 1/90 and 5/90 did not detect any principal organic compounds above detection limits.

01  H WORKER EXPOSURE/INJURY  
02  OBSERVED (DATE 1-23-87)  POTENTIAL  ALLEGED  
03 WORKERS POTENTIALLY AFFECTED \_\_\_\_\_  
04 NARRATIVE DESCRIPTION  
On 1/23/87 an employee was injured when an unknown chemical sprayed from a damaged hose onto his/her clothing.

01  I POPULATION EXPOSURE/INJURY  
02  OBSERVED (DATE \_\_\_\_\_)  POTENTIAL  ALLEGED  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_  
04 NARRATIVE DESCRIPTION  
Unknown - The Village of Holley census was 1,986 in 1980.



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

**I. IDENTIFICATION**

01 STATE: XXXX 02 SITE NUMBER: XXXX

**II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)**

01  J. DAMAGE TO FLORA 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

Unknown - The facility is primarily covered with concrete and blacktop. Only a small 400 square foot area remains as grass surrounding the production wells.

01  K. DAMAGE TO FAUNA 02  OBSERVED (DATE: 5/19/77)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION (include name(s) of species)

Greater than 200 fish were killed in the east branch of Sandy Creek when Diaz failed to respond to a 200 gallon, 60% sulfuric acid spill on 5/19/77.

01  L. CONTAMINATION OF FOOD CHAIN 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

Unknown

01  M. UNSTABLE CONTAINMENT OF WASTES 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
(Spills, runoff, standing liquids, leaking drums)  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Unknown - Various accidental spills (at least 26) have occurred since 1975 due to equipment failure or human error.

01  N. DAMAGE TO OFFSITE PROPERTY 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

Unknown - None of the spill reports document off-site property damage except the above mentioned fish kill.

01  O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

Between 1975 and the present a total of 9 spills have been reported by Diaz. Three (3) spills were discharged to the Holley POTW and another six (6) were flushed to the east branch of Sandy Creek. Chemicals included Chlorine, Bromine, Hexane, Acids and Teflon wash water.

01  P. ILLEGAL/UNAUTHORIZED DUMPING 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

Unknown - Diaz assessed \$2,000.00 penalty for the May 19, 1977 fishkill.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS The facility is a registered generator of hazardous waste. On-site wastes reported 4/90 include D001: 27-55 gallon drums of flammable liquid. Hexane D001; 60-55 gallon drums of dimethylformamide. Ind. Waste: 2-55 gallon drums of methylene chlorine spill debris.

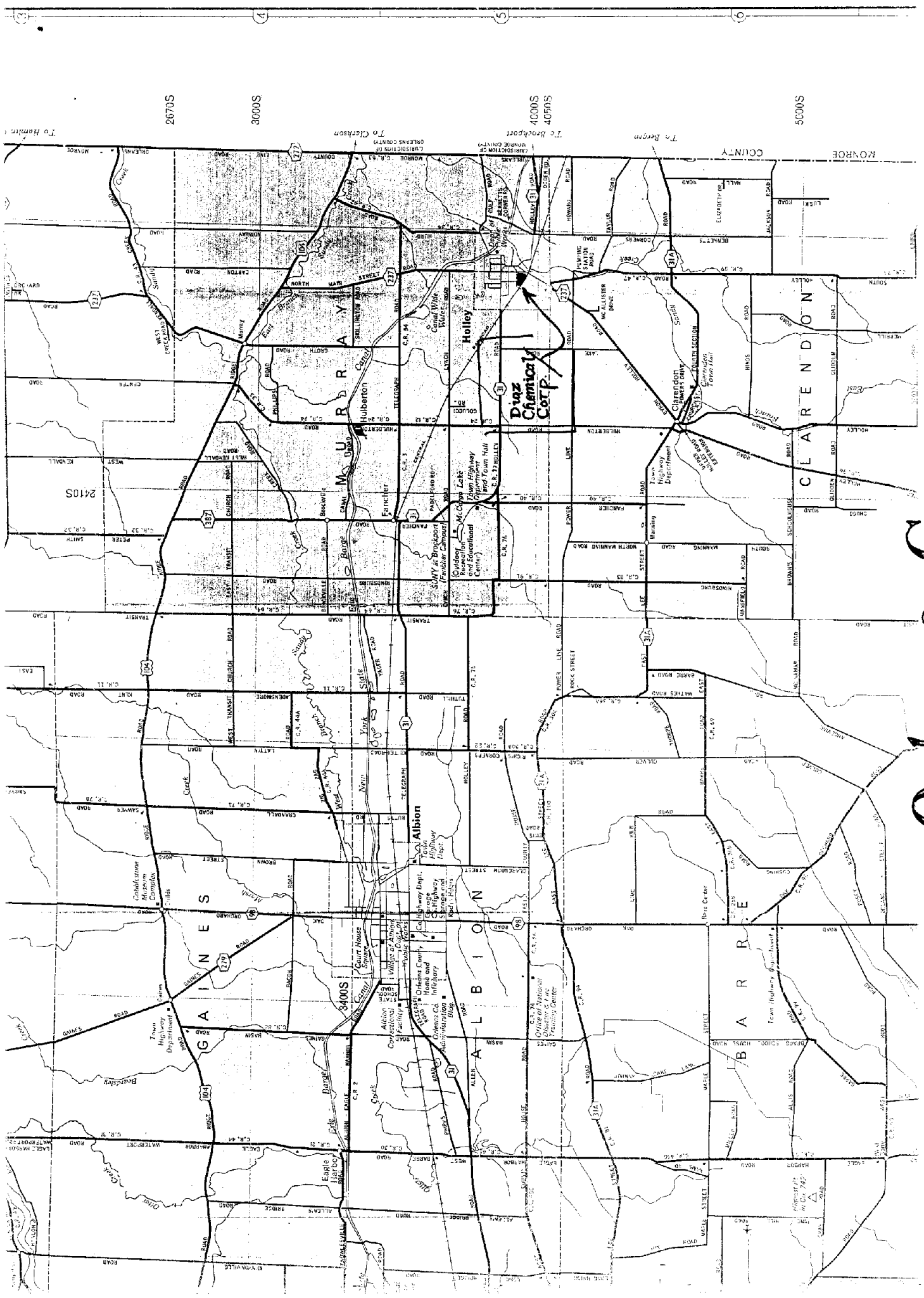
III. TOTAL POPULATION POTENTIALLY AFFECTED: 1,986 Village of Holley = 1980 Census.

**IV. COMMENTS**

A Best Management Practice Plan is being recommended for the Diaz facility as a special condition to the Air or Water permits that will be renewed in 1991.

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

NYSDEC - Region 8 files from the Division of Water and Division of Hazardous Substances Regulation.



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40005

40505

50005

24105

Orleans Co.

Diaz Chemical Corp.

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(Holley 1969)

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MURRAY

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Holley

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CLARENDON

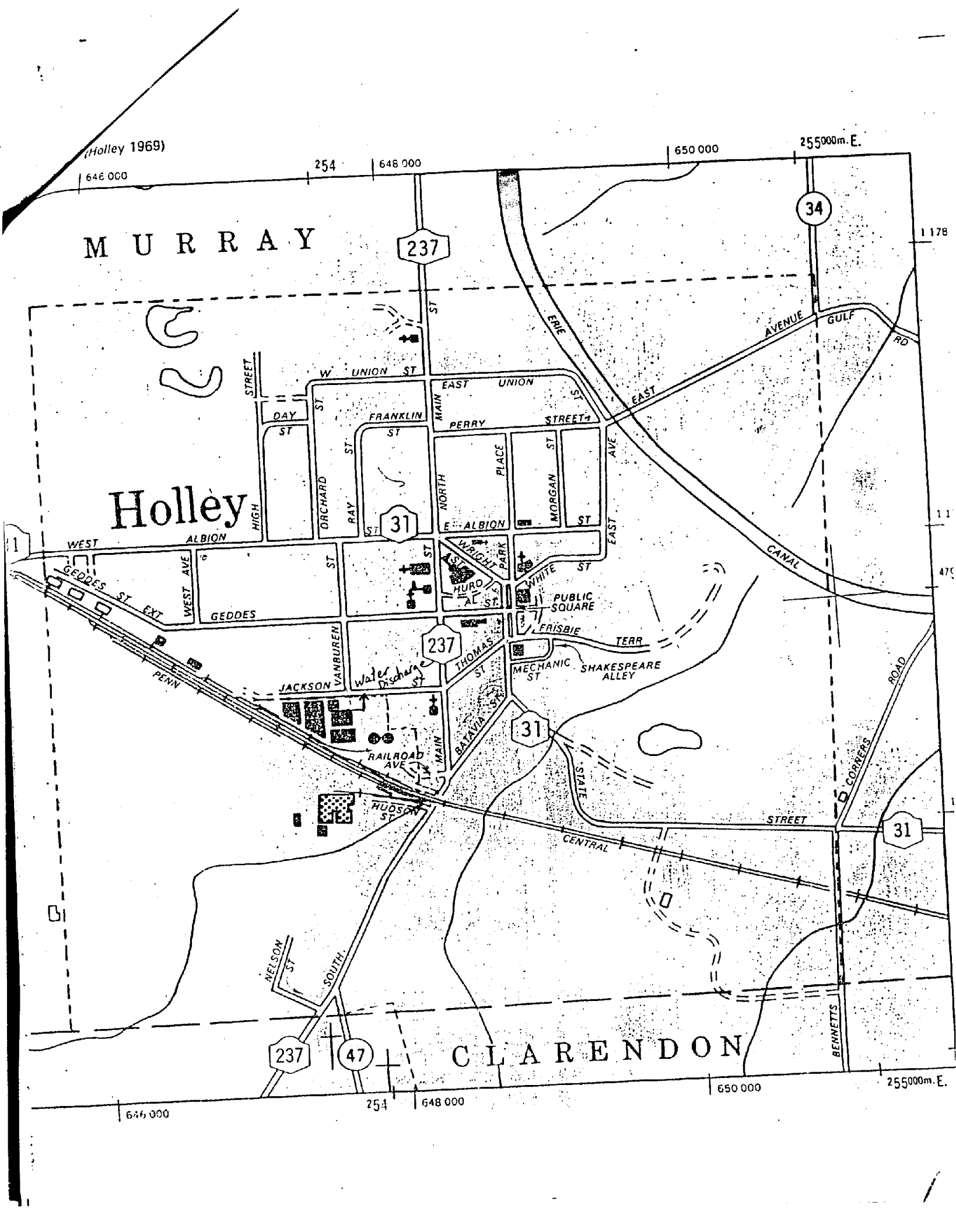
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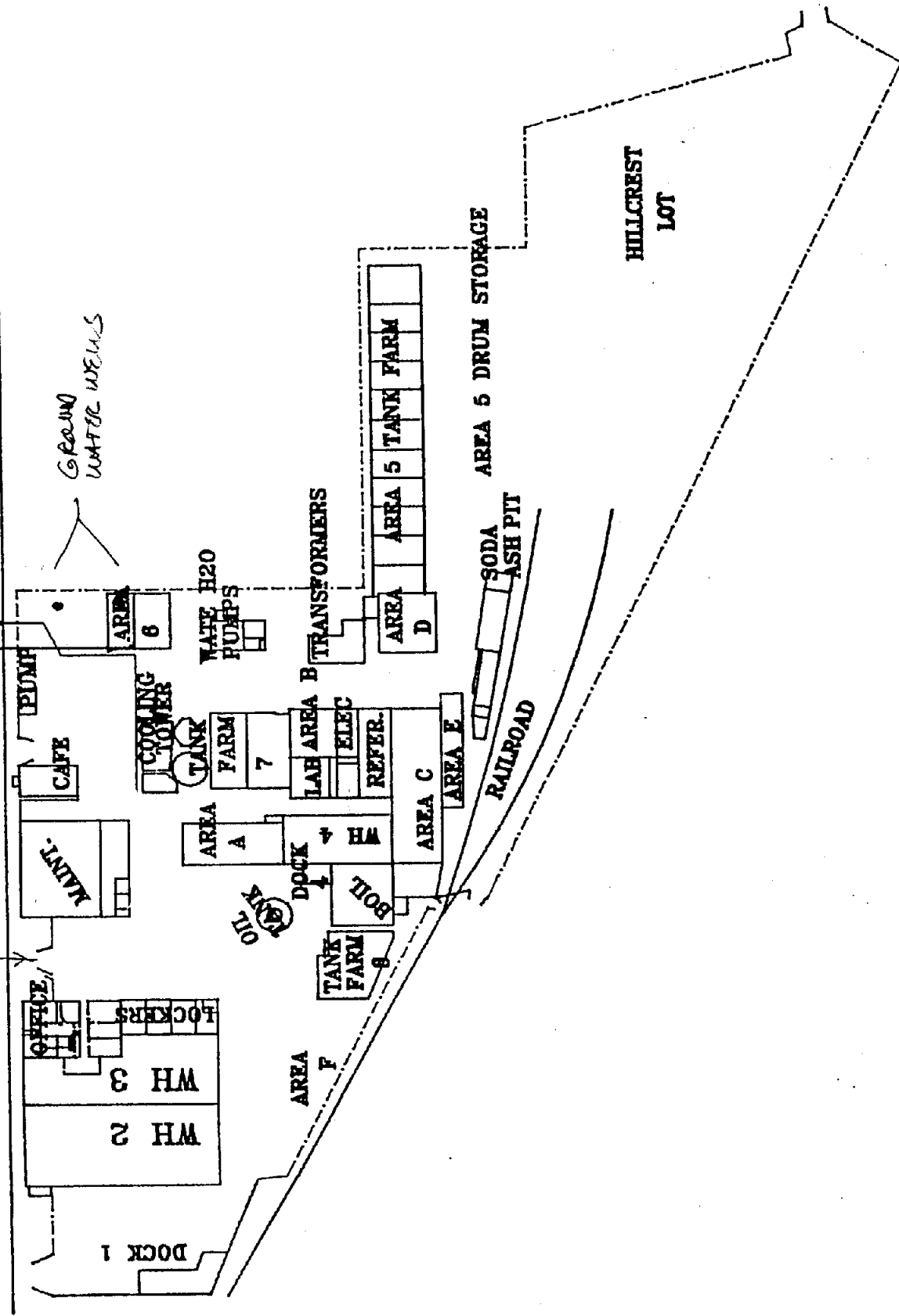
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# DIAZ CHEMICAL CORPORATION

## 40 JACKSON ST.





New York State Department of Environmental Conservation

MEMORANDUM

TO: Rocky Piaggione, Acting Director, Division of Environmental Enforcement
FROM: Michael J. O'Toole, Jr., Director, Div. of Hazardous Waste Remediation
SUBJECT: Class 2 Referral - Diaz Chemical Corp., Site # 837009

DATE:

The following site has recently been classified to Class 2:

Diaz Chemical Corporation, Site ID No. 837009
Town of Murray; Village of Holley
Orleans County

The hazardous wastes disposed were:

- Methylene chloride
Ethylene chloride
Acetone
2-bromopyridine
P-chlorobenzo trifluoride
1-bromo-2-chloroethane

The significant threat is due to frequent spills of chemicals resulting in confirmed groundwater contamination in excess of Part 703 & D.O.H. guidelines. THIS SITE IS THE TARGET OF MULTIMEDIA INVESTIGATION, AND IS BEING INVESTIGATED WITH THE ATTORNEY GENERAL'S OFFICE. THE CONTACT

The potentially responsible party is: AT THE AG'S OFFICE IS

Diaz Chemical Corporation
40 Jackson Street
Holley, New York 14470

MR. DEAN SOMMER

This site has been given a priority category of I. It should be considered along with other sites during your continuous workplanning process.

Attached for your information are the Priority Ranking Worksheet, Registry Site Classification Decision form, and current Registry Site Report form.

More information regarding this site may be obtained from Peter Hoffmire who can be reached at (716) 226-2466.

Attachments

cc: P. Hoffmire

Handwritten notes: Include a copy of this work sheet. Also this site is the subject of other litigation and I believe multimedia. This memo should reflect the other information - Dean Sommer has been handling it. CWS