FINAL SCREENING SITE INSPECTION REPORT FOR

Try-Chem Corporation

MILWAUKEE, WISCONSIN

U.S. EPA ID: WID048034300

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FOR
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1. INTRODUCTION

The Wisconsin Department of Natural Resources (WDNR) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of the Try-Chem site under the 1989 Cooperative Agreement.

The Try-Chem Corporation was recommended by the Wisconsin Department of Natural Resources (WDNR) for identification to the U.S. EPA in approximately June 1984. Shortly thereafter, in July 1984, a Preliminary Assessment was completed by WDNR and submitted to the U.S. EPA.

The facility operated on electroplating process and paint stripping process until September 1985. The Try-Chem facility also accepted unknown hazardous wastes from off-site facilities. Hazardous wastes were illegally disposed of on-site. Some hazardous wastes were removed prior to the time the operator was charged and sentenced to jail on hazardous waste violations. Past employees stated that waste was disposed of below the false flooring under the building and that some tanks involved in various facility operations were leaking (WDNR, Solid Waste Case file).

An emergency removal action was conducted by an Emergency Response Cleanup Service contractor under U.S. EPA guidance. Approximately 13,750 gallons of liquid waste, over 12 tons of solid waste, and four roll-off boxes of crushed drums and contaminated soil and debris were removed from the site. After waste removal the building was cleaned and decontaminated. The building is presently abandoned, boarded up, and locked (U.S. EPA 1989).

The site was evaluated in the form of a preliminary assessment (PA) that was submitted to U.S. EPA. The PA was prepared by Elizabeth Duchelle of WDNR. The PA is dated July 9, 1984. The inspection team leader prepared an SSI work plan for the Try-Chem Corporation.

The SSI included a file review of the facility, reconnaissance inspection of the site, and the collection of seven soil samples from locations on and adjacent to the property.

The purpose of an SSI has been stated by U.S. EPA in a directive outlining Pre-Remedial Program strategies. The directive states:

> All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS (Hazard Ranking System) score, 2) establish priorities among sites most likely to qualify for the NPL (National Priorities List), and 3) identify the most critical data

requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP (no further remedial action planned), or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA (Resource Conservation and Recovery Act). Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.

The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI (U.S. EPA 1988).

U.S. EPA Region V has also instructed State Inspection Teams to identify sites during the SSI that may require removal action to remediate an immediate human health and/or environmental threat.

2. SITE BACKGROUND

2.1 INTRODUCTION

This section includes information obtained from SSI work plan preparation.

2.2 SITE DESCRIPTION

The Try-Chem facility is located in a highly populated industrial area within the City of Milwaukee. The facility is closed and abandoned. The site is located in the SE¼ of the NE¼, Section 31, Township 7N, Range 22E, City of Milwaukee, Milwaukee County, Wisconsin. The site corresponds to a latitude of 43° 01'26" and a longitude of 87° 55'43". The facility address is 1333 W. Pierce Street, located one block north of National Avenue and approximately five blocks west of Interstate Highway I-43 (see Figure 2-1). A 4-mile radius map of the Try-Chem facility is provided in Appendix D.

FIGURE 2-1

SITE LOCATION MAP

TRY CHEM CORPORATION

MILWAUKEE, WISCONSIN

SCALE: 0 1 2 3 miles

WESTON MANAGERS DESIGNERS/CONSULTANTS

DRAWN BY P.M.S.	DATE 8-4-88	PCS # 1372
APPROVED BY L.A.	DATE 8-4-88	TDD # S-8711-05

2.3 SITE HISTORY

Some opening remarks are necessary to preface this section. Shortly after the Try-Chem Corporation began operating at the 1333 W. Pierce Street location, several local and state agencies became involved with numerous complaints and regulatory violations associated with the facility operations. The violations began in 1976 and continued up to the closing of the facility in 1985.

The list of violations is extensive and, perhaps, overwhelming. For the purpose of this report, the site activities and violations will be condensed. The owner and operator of the Try-Chem Corporation, Mr. Ron Ahnert, was charged, convicted, and sentenced to jail for hazardous waste violations.

The early history of the Try-Chem facility is not well known. Reportedly, a heat treating firm previously operated at the facility. The Try-Chem Corporation purchased the facility at 1333 W. Pierce Street and possibly an additional property at 1302 West National Avenue from the United States Internal Revenue Service under a land contract agreement in 1975 (WDNR Solid Waste case files). The WDNR Air Management Program had documented air emission violations at the facility since 1976. On March 21, 1978, Try-Chem was sent a Notice of Violation concerning visible emissions from a paint stripping operation. Violations that occurred in April and August of 1978 within the Air Management Section were referred to the Attorney General on May 25, 1978. A $2,000.00 penalty was assessed as a result. In 1980 similar air emission violations were documented. During 1981 and 1982 additional air emission violations were documented relating to other facility operations. These and other air emission violations continued through 1985.

Field reports by the Milwaukee Health Department began in January 1983 and related to severe etching and damage to the public sidewalk in front of Try-Chem Corporation. Leakage was observed flowing out of the building foundation. Discharges through the building foundation are documented up to May 1984. Fluids were routinely observed flowing from the northeast corner of the building, across the sidewalk and into the storm sewer. In 1984, after previous meetings between Try-Chem Corporation and the City of Milwaukee Attorney, the City Attorney's office was pursuing legal proceedings against the Try-Chem Corporation for an injunction to close, or fine the facility.

The following are excerpts from a summary of hazardous waste violations by the Try-Chem Corporation that were drafted by WDNR on December 5, 1983. The entire document is contained in the WDNR Solid Waste case file of the Try-Chem Corporation:

In December 1983, the Try-Chem Corporation was in violation of Sections 144.63 and 144.64, Wisconsin Statutes, for a total of six separate hazardous waste violations. These violations include: treatment, storage and disposal of hazardous waste without an interim license or final operating license, failure to analyze and containerize all hazardous waste generated, and failure to develop, implement and maintain records of an employee training program for the handling of hazardous waste. These violations occurred over a time frame of May 1981 to the facility closure in 1985.

Try-Chem Corporation operated an electroplating process for zinc, tin, and copper, a metal pickling operation, and a molten salt bath paint stripping operation. In the past, Try-Chem also accepted hazardous waste generated from off-site facilities for thermal destruction in the molten salt bath operation.

The salt bath paint stripping process used molten salt at a temperature of 900° to strip paint from metals by burning off the organic fractions and concentrating residual materials in the salt bath. The waste by-product of this process is metal contaminated salt sludge referred to as kolene sludge. This kolene sludge is hazardous due to its high pH and metal concentrations. The kolene sludge generated at Try-Chem has been disposed of in three different ways. A former employee informed the WDNR that during 1980 the sludge was barreled and disposed of in the solid waste lugger box. The first WDNR inspection (in May 1981), found kolene sludge "treated" by being dissolved in pickling line rinse water and the combination wastewater being discharged to the sanitary sewer. During the week of July 14, 1983, large quantities of kolene sludge were unearthed under the proposed east dock area of Try-Chem's plant.

A chronological narrative of the main events leading up to the recommendation for referral to the Attorney General follows:

WDNR contact with Try-Chem regarding hazardous waste regulations began in May 1981 when a RCRA inspection report identified the following areas of non-compliance: hazardous waste stored in excess of 90 days, hazardous waste stored in open piles both inside and outside of plant, no training records,

and no contingency plan. Based on this inspection, WDNR recommended that EPA deny the company's interim status as a treatment and storage facility and allow operation only under a permit.

In February 1982, WDNR again inspected Try-Chem due to failure to respond to earlier mailings regarding Chapter NR 181, Wisconsin Administrative Code. This inspection resulted in a Notice of Non-Compliance explaining General Facility STandards that were to be met. The letter also required the company to submit an EPA Part A permit application, a variance request, and an extension request for the closure cost estimate and proof instrument for financial responsibility.

A Notice of Violation was issued in May 1982 citing non-submittal of the information requested in the February 1982, Notice of Non-Compliance. An inspection was scheduled to determine compliance with Chapter NR 181, Wisconsin Administrative Code, or to confirm that all treatment and storage activities had ceased. The EPA Part A application was received and rewritten with Mr. Ahnert at the May 1982 meeting. A new deadline was established for the company to meet the financial responsibility requirements. Following the meeting, a quick review of the plant revealed noncompliance with many Chapter NR 181 facility standards, so the hazardous waste facility inspection was postponed until June 1982. The inspection forms were explained to Mr. Ahnert and left with him to review. He was encouraged to make necessary in-house corrections to comply. The hazardous Waste facility inspection was completed in June 1982. In July 1982, a follow-up letter was sent to Mr. Ahnert listing 12 areas of documented noncompliance.
On January 19, 1983, the interim license for treatment and storage of hazardous waste by Try-Chem Corporation was denied. This denial included eight requirements for compliance with facility closure.

In March 1983, two inspections were conducted to: determine compliance with the license denial letter, to assess the discharge of wastewater from the building to the street and to follow-up on a complaint of spent stripping baths being discharged under the building. These inspections resulted in an April 1983 Notice of Violation for unauthorized treatment and handling of hazardous waste and illegal discharge of wastewater from under the building. The Notice of Violation scheduled an enforcement

conference to discuss measures to be taken to regain compliance. Try-Chem agreed to cease treatment immediately, containerize all kolene sludge and dispose of sludge according to the timetable of the waste hauler. Also, Try-Chem agreed to prepare a personnel training plan. Prior to the meeting, the company had diverted the wastewater flows under the building to a sanitary drain.

In June 1983, the City of Milwaukee Health Department contacted the WDNR regarding the possibility of kolene sludge being buried in the east dock fill area of Try-Chem. The City had samples of the discharge from the fill that showed high pH and total chromium values. The City ordered Try-Chem to remove all waste from the fill area and to not cover the area with concrete until tests were conducted. Try-Chem covered one-half of the fill with 8" of concrete. During the first week of July, the City and the WDNR met with Ron Ahnert at Try-Chem. Mr. Ahnert agreed to remove the fill. On July 14, 1983, work began and an unquantified amount of bulk kolene sludge (50-100 tons) was uncovered along with numerous drums of unidentified waste. On July 28, 1983, the Department notified Mr. Ahnert by letter of the requirements for proper disposal of the waste. Try-Chem has shipped a small portion of the sludge away, but the bulk of the sludge remained in an unsecured pile in an empty warehouse. Attempts to remove the remaining sludge failed due to a lack of funds for advance payments to the waste haulers.

Once the news of the unearthed hazardous waste was made public, the WDNR received several calls from neighbors and former employees regarding waste disposal activities at Try-Chem. Contact was made with two of the callers to gather further information.

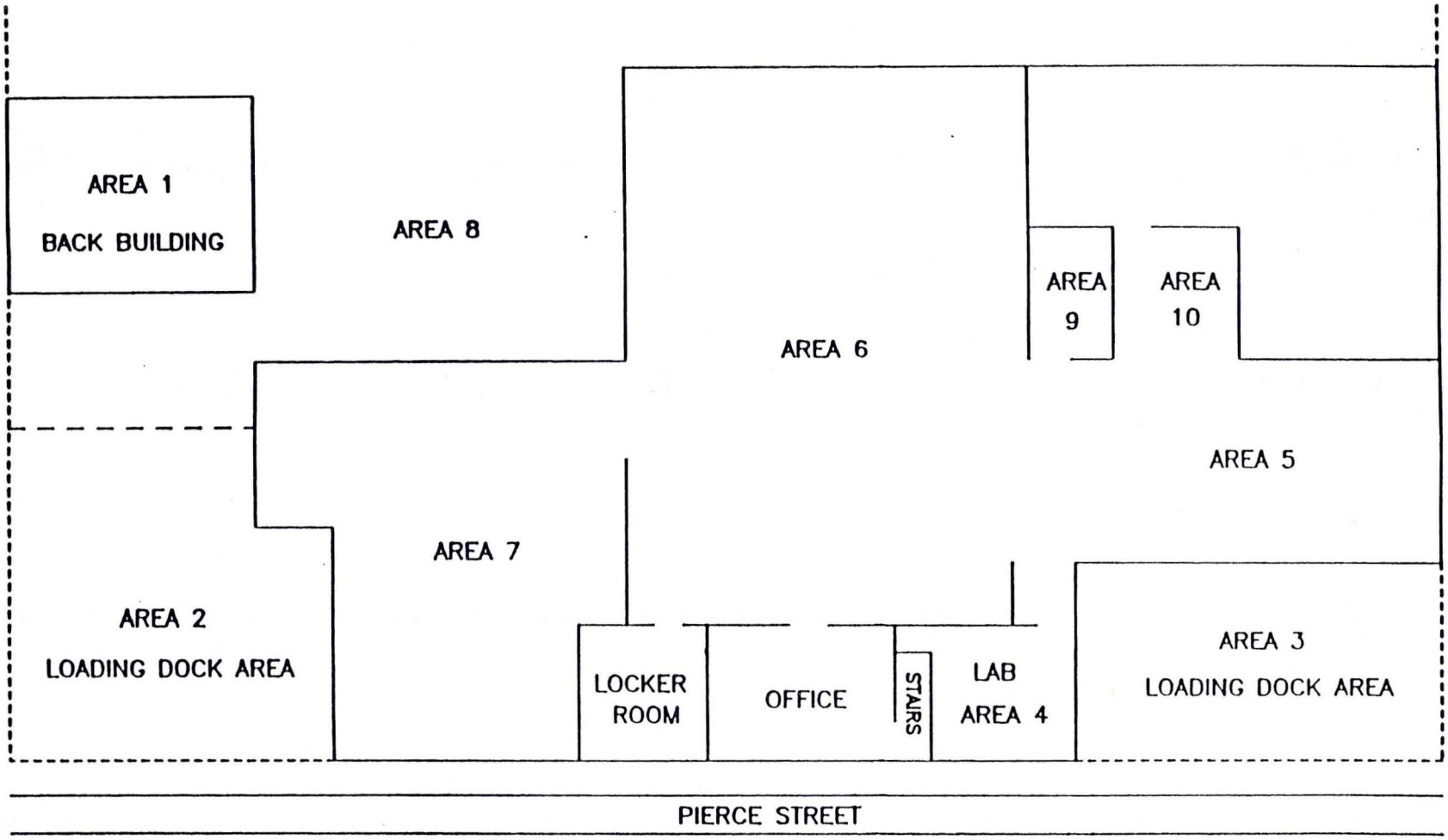
William Starich (one of the callers) observed Ron Ahnert supervising the placement of drums by one of his workers in the fill area as recently as April 1983. In his statement he also identified the trucking firm that hauled in earth cover and the construction firm that leveled the fill.

Bill Gallagher (the other caller) worked at Try-Chem from January 1979 through May 1980. Mr. Gallagher stated that during his employment at Try-Chem, the kolene sludge was barreled and disposed of in its dumpster. He was instructed to dump the spent cold stripping solutions under the floor grates.

> On one occasion in the summer of 1982, he returned to Try-Chem to perform a task at the direction of his new employer. While he was there, he saw barrels of kolene sludge in the east dock fill area. He questioned a current employee as to why the sludge was in the fill area. Mr. Gallagher was told that the sludge was being used to build a new dock.
>
> Several other former employees are willing to attest to being told to dispose of waste chemicals outside or under the building.

On July 30, 1984 a criminal complaint was filed against Mr. Ron Ahnert and the Try-Chem Corporation for the illegal disposal of hazardous wastes. On October 4, 1984, the Milwaukee Metropolitan Sewerage District filed a summons and complaint against the Try-Chem Corporation for failure to comply with a pretreatment standard, among other violations. Ron Ahnert on behalf of the Try-Chem Corporation filed for bankruptcy on September 10, 1985. The facility was closed shortly thereafter. Some of the electroplating lines were left intact and some hazardous materials remained in open processing tanks. Two fires were started during the summer of 1987. Trespassing at the site was frequent (WDNR Solid Waste case files).

U.S. EPA representatives and Technical Assistance Team conducted a site investigation on October 27, 1987. As a result of the site investigation, the U.S. EPA commenced a removal action at the Try-Chem site on November 18, 1987. Large amounts of wastes were removed from the inside and outside of the building (U.S. EPA, 1989). The building today remains closed and boarded up. The facility is presently abandoned.



NO SCALE

N

FIGURE 2-2

SITE PLAN

TRY – CHEM CORPORATION SITE
MILWAUKEE, WISCONSIN

Source:

WESTON

DRAWN BY	DATE	PCS #
C. CARON	12/21/87	1372
APPROVED	DATE	TDD #
J BINKLEY	12/21/87	5-8711-05

3. SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS

3.1 INTRODUCTION

This section outlines procedures and observations of the Try-Chem Corporation. Individual sub-sections address: discussions with WDNR representatives, reconnaissance inspection, sampling procedures, analytical results, and migration pathways. Rationale for specific activities are also provided. The SSI was conducted in accordance with a U.S. EPA approved work plan.

The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Try-Chem site is provided in Appendix A.

3.2 RECONNAISSANCE INSPECTION

Prior to the SSI, the inspection leader had conducted a reconnaissance inspection of the Try-Chem site and surrounding area. The reconnaissance inspection included a walk through of the site and a walk/drive through of the surrounding area. Determinations were made regarding appropriate health and safety requirements needed to conduct on-site activities. Observations were made to help characterize the site. Several potential sampling locations were also determined during the inspection. The reconnaissance inspection was conducted on April 5, 1989.

Reconnaissance Inspection Observations:

The Try-Chem facility is located in a highly populated industrial area within the City of Milwaukee. Active manufacturing facilities surround the site. The Try-Chem facility has been closed for several years. Presently the building is boarded up and locked. Access to the site is restricted by a fence, however, an opening exists in the fence that permits access to the loading dock and storage areas. City of Milwaukee personnel are routinely re-securing the building after break-ins by vandals and trespassers.(Field reports 2/15/88-1/24/90 of Try-Chem site, by Terry Linder of City of Milwaukee Health Department) The building was not accessed during the reconnaissance inspection.

The site is relatively level. Pierce Street, however, lies at the bottom of a hill and the south side of the property is bordered by a retaining wall. The property to the south is elevated several feet above the Try-Chem property. A slightly elevated area located west of the building (location of potential background soil sample SO4) contains some sparse vegetation. The remainder

of the site is concrete paved or void of vegetation. Loading docks are located on the northwest and northeast areas of the site. North of the northwest loading dock (area 3) is a discontinuous concrete/asphalt paved storage area containing drums and other equipment of former facility operations. The area east of the northeast loading dock (area 2) had visible soil staining along the building. East of the loading dock (also in area 2) is an area where former hazardous disposal and burial (kolene sludge etc.) under concrete occurred. A pile of broken concrete now exists in the location where the buried wastes were excavated.

On the northeast corner of the building there is evidence of etching and dissolution of both old and new concrete sidewalk pavements. The concrete street gutter leading to the storm sewer catch basin is severely etched and dissolved. This area was selected for potential soil sample locations to be collected beneath the concrete pavement.

Photographs of the Try-Chem facility are provided in Appendix C.

3.3 SAMPLING PROCEDURES

Samples were collected by the WDNR sampling team at locations determined during the previous reconnaissance inspection to determine levels of U.S. EPA Target Compound List (TCL) compounds and U.S. EPA Target Analyte List (TAL) analytes present at the site. The TCL, TAL, and Contract Laboratory Program (CLP) quantitation/detection limits are provided in the laboratory analysis data package and is available at the Wisconsin Department of Natural Resources Office at 101 South Webster Street, Madison, Wisconsin.

On May 31, 1989 WDNR collected seven soil samples (sample S01 - S07, respectively). WDNR collected three of the soil samples (S01 - S03) after drilling cores through the concrete sidewalk pavement near the northeast corner of the Try-Chem building. A potential background sample (S04) was collected west of the facility in a vegetated area where impacts from the facility operations were not suspected. The location of the potential background sample was topographically up-slope and remote from driveway areas, travel routes and waste storage locations. (See Figure 3-1 for soil sampling locations.)

Samples were not split with the site representative because the owner/site representative is presently "unknown" or unlocatable. The potential owner of the property (U.S. Internal Revenue Service) is reportedly unwilling to declare ownership.

Soil Sampling Procedure:

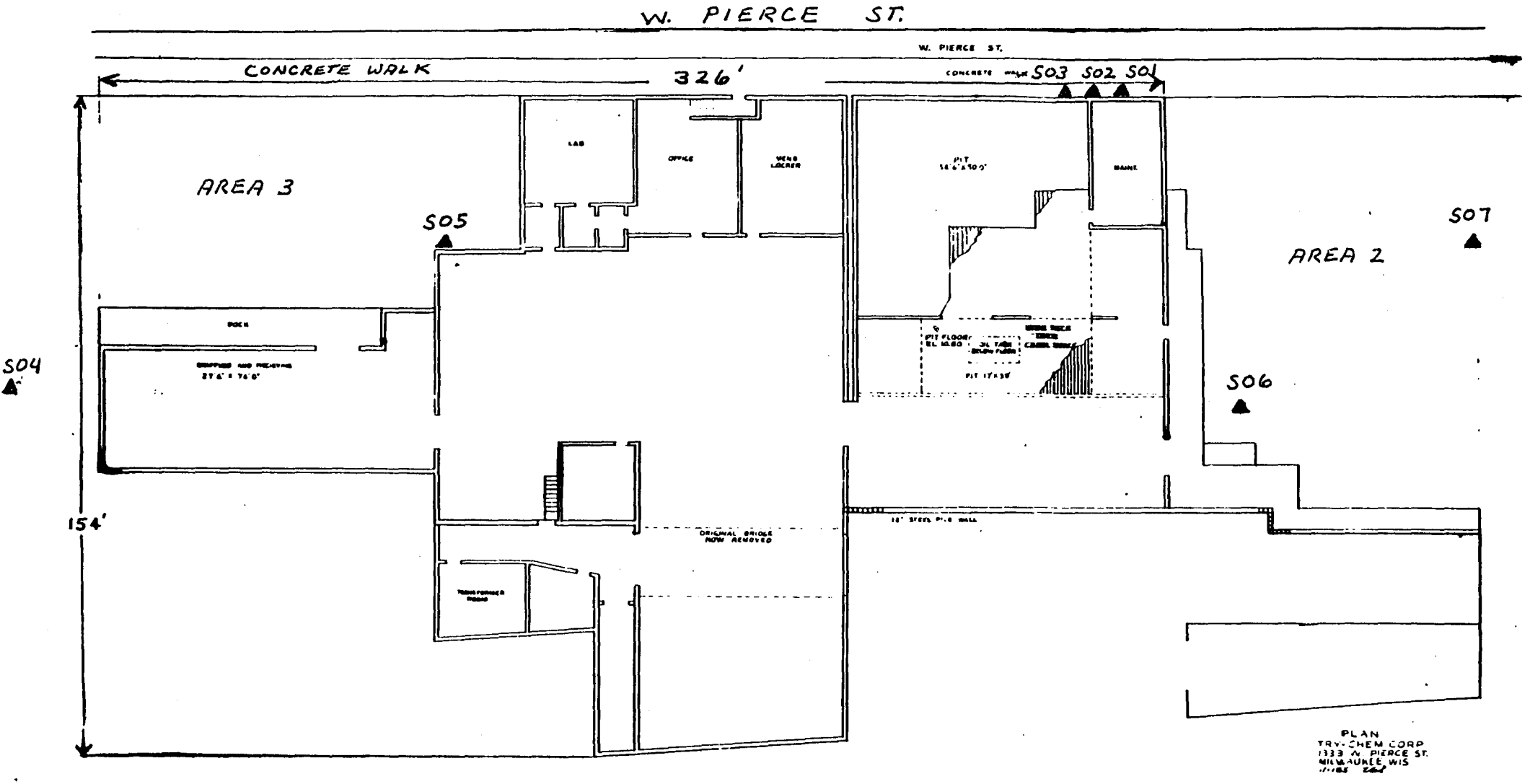
Soil grab samples S01 - S03 were collected by first coring through the concrete sidewalk pavement to the soil or gravel base grade. A stainless steel bucket auger was used to collect a disturbed soil sample. Dedicated stainless steel trowels were then used to remove the soil from the auger and place the soil directly into each sample container.

Soil grab samples S04 - S08 were collected from the surface by first clearing away surface debris at the sampling location. A dedicated stainless steel trowel was used to excavate a shallow pit about six inches in depth. The stainless steel trowel was used to fill each sample container directly.

NOTE: A sample of the drilling fluid of the coring machine was collected and analyzed to determine if TCL compounds or TAL analytes were present which may influence the laboratory data of the soil samples.

Standard WDNR decontamination procedures were adhered to during collection of all soil samples. The laboratory decontamination procedures included cleaning the stainless steel trowel and stainless steel bucket auger with a solution of detergent (Alconox) and tap water, a tap water rinse, an acid rinse, and a triple rinse with distilled water. Decontamination of sampling equipment in the field was completed using the same procedures. A separate stainless steel trowel was dedicated to each soil sampling location. All samples were packaged and shipped in accordance with U.S. EPA required procedures. Descriptions of other field decontamination procedures that were conducted are included in the Superfund Site Sampling Plan Try-Chem Corporation.

As directed by U.S. EPA, all samples were analyzed for TCL compounds by PEI Associates Inc. of Cincinnati, Ohio and TAL analytes by Skinner and Sherman, Waltham, Maine.



TRY-CHEM CORP.

Source: Try-Chem Soil Sampling and Analysis Plan August, 1985

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12b

Figure 3-1 Soil Sampling Locations

Soil Sampling Procedure:

Soil grab samples S01 - S03 were collected by first coring through the concrete sidewalk pavement to the soil or gravel base grade. A stainless steel bucket auger was used to collect a disturbed soil sample. Dedicated stainless steel trowels were then used to remove the soil from the auger and place the soil directly into each sample container.

Soil grab samples S04 - S08 were collected from the surface by first clearing away surface debris at the sampling location. A dedicated stainless steel trowel was used to excavate a shallow pit about six inches in depth. The stainless steel trowel was used to fill each sample container directly.

NOTE: A sample of the drilling fluid of the coring machine was collected and analyzed to determine if TCL compounds or TAL analytes were present which may influence the laboratory data of the soil samples.

Standard WDNR decontamination procedures were adhered to during collection of all soil samples. The laboratory decontamination procedures included cleaning the stainless steel trowel and stainless steel bucket auger with a solution of detergent (Alconox) and tap water, a tap water rinse, an acid rinse, and a triple rinse with distilled water. Decontamination of sampling equipment in the field was completed using the same procedures. A separate stainless steel trowel was dedicated to each soil sampling location. All samples were packaged and shipped in accordance with U.S. EPA required procedures. Descriptions of other field decontamination procedures that were conducted are included in the Superfund Site Sampling Plan Try-Chem Corporation.

As directed by U.S. EPA, all samples were analyzed for TCL compounds by PEI Associates Inc. of Cincinnati, Ohio and TAL analytes by Skinner and Sherman, Waltham, Maine.

4. ANALYTICAL RESULTS

4.1 INTRODUCTION

This section includes results of chemical analysis of WDNR collected soil samples for TCL compounds and TAL analytes.

4.2 RESULTS OF CHEMICAL ANALYSIS OF WDNR COLLECTED SAMPLES

Analysis of the soil samples revealed substances from the following groups of TCL compounds and TAL analytes: volatiles, semi volatiles, PCBs, and metals (see Table 4-1 for complete soil sample chemical analysis results).

Laboratory analytical data of soil sample analysis as well as Contract Laboratory Program (CLP) quantitation/detection limits are available at the Wisconsin Department of Natural Resources Office at 101 South Webster Street, Madison, Wisconsin.

A potential background soil sample (S04) was collected at this site. The significance of the data and an interpretation of whether the facility released TAL analytes and TCL compounds to the environment was evaluated with respect to the analytical results of the background sample and the drilling fluid used in the coring machine. TCL compounds and TAL analytes found in the drilling fluid (primarily metals) were deleted from consideration when evaluating contributions by the facility.

Much of the TCL data contained qualifiers (see Data Reporting Qualifiers, Table 4-1). Some of the data of significance contained a "D" or a "J" due to high PAH's or higher than expected compound concentrations and this required subsequent dilution by the laboratory. For the purpose of this report it is assumed that the presence of man-made compounds resulting from a CLP data review is a documented release to the environment.

BOTH THE SOIL SAMPLES AND THE WATER SAMPLES WERE ANALYZED FOR CYANIDE THOUGH CYANIDE WASN'T DETECTED.
A WATER SAMPLE AND DUPLICATE WERE ANALYZED FOR VOLATILES THOUGH NONE WERE FOUND.

TRY-CHEM CASE #12036 VOLATILE ANALYSIS FOR SOIL SAMPLES

Sample Number	CRDL	S01		S02		S03		S04		S05		S06		S07		D02	
Traffic Report Number		EAN79		EAN80		EAN81		EAN82		EAN83		EAN84		EAN85		EAN87	
methylene chloride	5	64		78		60		29		28		32		68		67	
acetone	5	12	U	12	U	12	U	12	U	17		13	U	19	RE*	12	
1,2-dichloroethane	5	6	U	6	U	22		6	U	6	U	13	U	6	U	6	U
2-butanone	10	12	U	58000	D	15000	D	12	U	11	U	6	U	12	U	12	U
1,1,1-trichloroethane	5	6	U	6	U	20		6	U	6	U	7		6	U	6	U
carbon tetrachloride	5	6	U	6	U	5	J	6	U	8	RE*	6	U	6	U	6	U
trichloroethene	5	6300	D	290000	D	190000	D	4	J	20		13	U	40		130000	D
1,1,2-trichloroethane	5	32		6	U	22		6	U	6	U	6	U	6	U	6	U
tetrachloroethene	5	180		17		26		13		27	RE*	22		16	RE*	65	
toluene	5	8		7		22		6	U	2	J	3	J	22		11	
chlorobenzene	5	9		5	J	6	J	6	U	6	U	6		7		7	

TRY-CHEM CASE #12036 SEMI-VOLATILE ANALYSIS FOR SOIL SAMPLES

Sample Number	CRDL	S01		S02		S03		S04		S05		S06		S07		D02	
Traffic Report Number		EAN79		EAN80		EAN81		EAN82		EAN83		EAN84		EAN85		EAN87	
dimethyl phthalate	330	770	J	47000	U	710	U	780	U	120	J	780		7800	U	810	U
fluoranthene	330	120	J	47000	U	180	J	1300		640	J	860	U	1400		810	U
pyrene	330	92	J	47000	U	150	J	1200		380	J	710	J	1100		810	U
chrysene	330	100	J	47000	U	110	J	860		330	J	860	U	1000		810	U
bis(2-ethylhexy)phthalate	330	680	J	8700	J	570	J	570	J	2200		860	U	1100		3000	
benzo(b)fluoranthene	330	150	J	47000	U	170	J	1300		620	J	690	U	1800		170	J

UNITS = UG/KG

Table 4-1 Results of Chemical Analysis of WDNR Collected Soil Samples

TRY-CHEM CASE #12036 PESTICIDE ANALYSIS FOR SOIL SAMPLES

Sample Number	CRDL	S01		S02		S03		S04		S05		S06		S07		D02	
Traffic Report Number		EAN79		EAN80		EAN81		EAN82		EAN83		EAN84		EAN85		EAN87	
aroclor-1260	160	370	U	2800	U	380	U	370	U	350	U	2000		3700		340	

ppb

UNITS = UG/K

TRY-CHEM CASE #12036 METALS ANALYSIS FOR SOIL SAMPLES

Sample Number	CRDL	S01		S02		S03		S04		S05		S06		S07		D02	
Traffic Report Number		MEAD76		MEAD77		MEAD78		MEAD79		MEAD80		MEAD81		MEAD82		MEAD84	
aluminum	40	7600		8450		6000		7940		1170		6400		4430		10800	
arsenic	2	4.5	S	5		4.3	B	5.6		1	B	6.8		8.4		3.3	
barium	40	276		236		95.3		96.1		71.3		3840		6940		123	
cadmium	1	2.6		1.4		9		2.4		0.54	U	5.3		2.4		4.5	
calcium	1000	73600	EJ	21200	EJ	89400	EJ	70800	EJ	166000	EJ	99500	EJ	94600	EJ	88000	EJ
chromium	2	318	EJ	718	EJ	34.4	EJ	24.4	EJ	119	EJ	187	EJ	92	EJ	143	EJ
copper	5	65	EJ	103	EJ	51.5	EJ	306	EJ	60.5	EJ	95.6	EJ	252	EJ	125	EJ
iron	20	57900	EJ	76400	EJ	23600	EJ	23200	EJ	6040	EJ	24800	EJ	33900	EJ	28500	EJ
lead	1	664	EJ	719	EJ	117	EJ	364	EJ	45.2	EJ	304	EJ	450	EJ	827	EJ
magnesium	1000	43100		12900		40100		30200		97600		45000		32200		41200	
mercury	0.008	0.12	U	0.12	U	0.11	U	0.14		0.09	U	0.12	U	0.1	U	0.11	U
nickel	8	48.6		52.7		21.1		25.7		10		288		76.8		80.2	
potassium	1000	1120	B	3160		1260		1610		336	B	788	B	863	B	3070	
silver	2	2	B	4.4		0.97	U	1	B	0.85	U	0.97	U	1.2	B	0.97	U
sodium	1000	306	B	1350		477	B	211	B	221	B	550	B	510	B	569	B
vanadium	10	18		22.4		22.2		21.5		6.1	B	15.1		16.6		23.5	
zinc	4	26300	EJ	2310	EJ	999	EJ	1120	EJ	2380	EJ	10400	EJ	331	EJ	3300	EJ

UNITS = mG/KG

Table 4-1 (Cont.)

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TRY-CHEM CASE #12036 SEMI-VOLATILE ANALYSIS FOR WATER SAMPLES

Sample Number	CRDL	S09		D09	
Traffic Report Number		EAN88		EAN89	
phenol	10	39		50	
benzyl alcohol	10	14	J	17	
bis(2-ethylhexy)phthalate	10	12	J	15	

UNITS = UG/L

TRY-CHEM CASE #12036 METALS ANALYSIS FOR WATER SAMPLES

Sample Number	CRDL	S09		D09	
Traffic Report Number		MEAD85		MEAD86	
beryllium	5	6.6		1.7	U
cadmium	5	5.8		2.6	U
calcium	5000	23400		30100	
chromium	10	12.2		4.3	U
iron	100	10000		11200	
lead	5	10.6		4.56	
magnesium	5000	10300		11100	
potasium	5000	52900		57700	
silver	10	19.8		4.1	U
sodium	5000	5960		6450	

UNITS = UG/KG

check background levels - referenced

Table 4-1 (Cont.)

DATA REPORTING QUALIFIERS

U Indicates that the compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit.

J Indicates that the value was estimated due to not meeting quality control criteria. It could also indicate that the result indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit and greater than zero.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

B For inorganic data this flag is used when the value falls between contract required detection limit (CRDL) and the instrument detection limit (IDL).

R Data is unusable.

E The value given has been estimated or not reported due to interference.

N This flag indicates that the sample spike recovery is not within control limits, though there is evidence of compound present.

S This flag indicates that the value was determined by method of standard addition.

RE This flag indicates that the data was obtained from the second analysis of the same sample.

D This flag indicates that the data was obtained from the sample after dilution. The number reflects the actual level of detection in the original sample.

* This flag indicates that the duplicate analysis is not within control limits for this compound.

EJ This flag indicates that the data was estimated due to interference and poor precision at the lab (non-quantifiable).

5. DISCUSSION OF MIGRATION PATHWAYS

5.1 INTRODUCTION

This section discusses data and information that applies to potential migration pathways and receptors of TCL compounds and/or TAL analytes that may be attributable to the Try-Chem Corporation facility.

The migration pathways of concern discussed include: groundwater, surface water, air, fire and explosion, and direct contact.

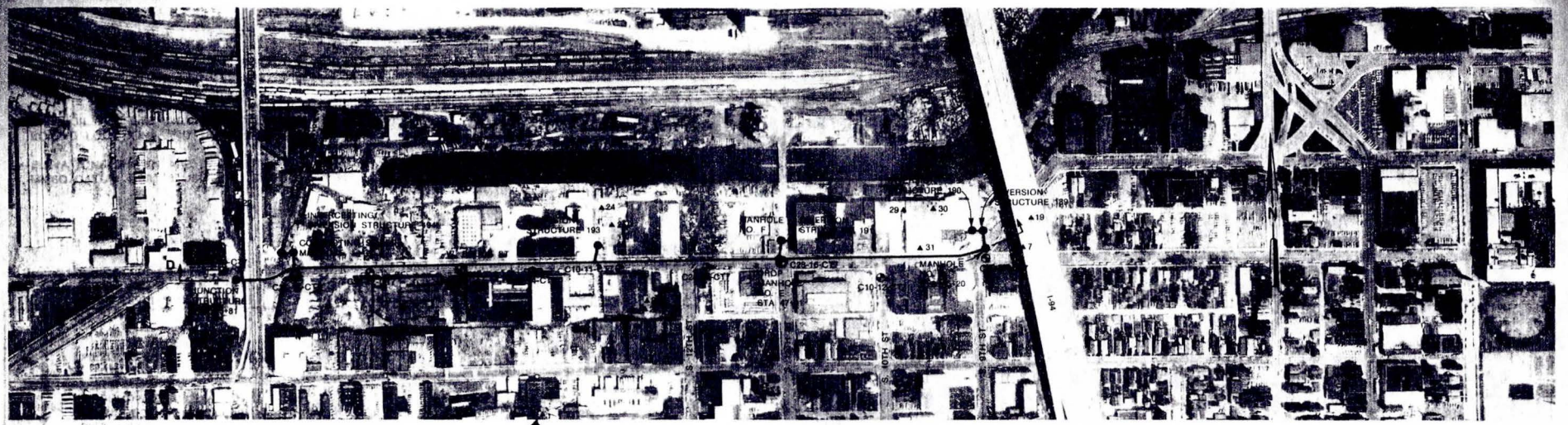
5.2 GROUNDWATER

The geology of the area is predominantly glacial till deposits from 180 to 250 feet overlying dolomite bedrock. The geology and subsurface conditions are referenced in a sewer construction geotechnical report (cited as MMSD, Dec. 1985). The geology and subsurface conditions were interpolated and generalized from detailed descriptions from the boring logs of soil borings that were completed one block north of the Try-Chem site.

The overlying till units have been identified as several till sheets that are separated in some locations (especially near Try-Chem) by lacustrine and outwash deposits. Overlying the till in some of this area is a fill unit that averages about ten feet but may reach a depth of 24 feet. The fill ranges from cohesive to cohesiveless soils, some of which may contain refuse and debris. The underlying post glacial soils consists of estuarine deposits that lie on top of, and are interbedded with, alluvial deposits. The interbedded alluvial deposit located just east of the site has a depth of 18 feet and is generally a medium to fine silty sand, with some gravel. The lower alluvial deposits generally consist of silty, coarse to fine, sand with some gravel.

Generally, the subsoils at the site may be described as having glacial origin. Two post glacial drainage courses are located just east and west of the site, and are now filled with estuarine and alluvial deposits. Some low areas around the site may have been filled with soil and other materials of various composition. The glacial soils are generally fine grained and cohesive, however, other soil layers that are more permeable may be hydraulically connected to the post glacial deposits having a higher hydraulic conductivity (see Figure 5-1).

The water table is generally parallel to the ground surface slope. Depth to groundwater is indicated to be less than 20 feet according to soil boring logs and a monitoring well (identified as No. 5) near the Try-Chem site (MMSD 1985). The lower stratum of the alluvial deposits was the most highly



SECTION D-D

HORIZONTAL SCALE
0 100 200 400 600

VERTICAL SCALE
0 10 20 40 60

NOTE
SUBSURFACE CONDITIONS WERE INTERPOLATED BETWEEN THE BORINGS BY USING THE GEOLOGIC UNIT DESIGNATIONS ON THE BORING LOGS TO CONSTRUCT A REASONABLE AND PROBABLE GEOLOGIC SEQUENCE. THE ACTUAL CONDITIONS AT OTHER THAN THE BORING LOCATIONS MAY DIFFER DUE TO THE PRESENCE OF GEOLOGIC SOIL UNITS NOT PENETRATED BY THE BORINGS, NATURAL VARIATIONS WITHIN THE UNITS SHOWN, OR APPROXIMATIONS MADE IN THE INTERPOLATION. THE SOIL DESCRIPTIONS AND UNIT SYMBOLS ON THE PROFILE WERE GENERALIZED FROM THE DETAILED DESCRIPTIONS ON THE BORING LOGS. OTHER INTERPRETATIONS OF THE SUBSURFACE CONDITIONS ARE POSSIBLE AND THE ACCUMULATION OF ADDITIONAL SUBSURFACE DATA MAY REQUIRE REVISION OF THIS INTERPRETATION.

FOR GENERAL NOTES AND LEGEND SEE FIGURE 7

Source:

20

VERIFY SCALES	DSGN
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DR
	CHK
	APVD

NO	DATE	REVISION	BY	APVD

MMSD

FIGURE 6 SHEET 3 OF 3

SITE PLAN AND PROFILE CT-7 COLLECTOR

DWG NO.	
SHEET	
DATE	
PROJ ID	
FILE	

PRELIMINARY

permeable and extensive aquifer encountered the report cited (MMSD Dec. 1985). There is evidence that suggests that this aquifer may be confined from the saturated deposits above. The evidence does not appear to be extensively documented, therefore a hydraulic connection between the units may exist. Groundwater in the upper glacial till deposits is presumed to flow north from the site and discharge to the Menomonee River.

Approximately ten wells were located within one mile of the Try-Chem site. The closest well is located less than 1/4 mile (WDNR Water Supply Well Information: well location map). The majority of the wells were constructed to serve industrial users. Only one or two wells were constructed for commercial or residential water supplies. Many of the water supplies are suspected to be abandoned, or not used. Most of the wells utilize the dolomite/limestone aquifer. Several industrial wells in the area terminate in the sandstone aquifer (WDNR Water Supply Files). Some examples of area well construction reports are provided in Appendix B. The affected target population potentially drinking groundwater within four miles of the site is estimated to be between 100 and 1,000 persons.

The drinking water supply in the area is exclusively supplied by a surface water municipal water supply system taken from Lake Michigan (WDNR Public Water Supply Data Book, 1985). Approximately 100 wells (primarily industrial wells) could be located within a 4-mile radius of the site (WDNR, well location map for Milwaukee County). The closest water intake serving the City of Milwaukee is located about 4 miles from the site.

A potential exists for TCL compounds and TAL analytes to migrate from the site into groundwater. The following information supports this assertion:

- TCL compounds and TAL analytes were detected in soil samples collected at the site.
- Liquid wastes were discharged directly beneath the building foundation at a depth several feet below the surrounding surface grade.
- Post glacial drainage courses containing permeable alluvial deposits are documented near the site which may increase the extent and degree of contaminant migration to groundwater.
- The depth to groundwater in the vicinity of the site is very shallow, possibly only twenty feet. Groundwater can be considered a migration component of the surface water migration pathway.

- It is unknown whether glacial till units in the areas are continuous. There is a potential that the dolomite aquifer may be hydraulically connected to overlying till deposits and together form the aquifer of concern.

It is both likely and probable, that TCL compounds and/or TAL analytes have migrated to groundwater. Groundwater samples were not collected at the site because groundwater monitoring wells do not exist. Groundwater data should be collected at this site to document whether the groundwater is impacted.

5.3 SURFACE WATER

The nearest surface water body is the Menomonee River, which is located approximately 1/8 mile directly north of the site. The Milwaukee River and Lake Michigan are located approximately 1-mile and 1.2 miles, respectively. Significant wetland areas are not found within 4-miles of the facility.

Surface water sampling was not included as part of the U. S. EPA approved work plan for the Try-Chem Corporation site. The surface water pathway was not addressed during the SSI because no overland surface migration routes exist between the site and the Menomonee River. Surface water at the Try-Chem site discharges to street gutters and follows underground storm sewer conduits to the river. There are numerous potential sources that may release contaminants to the storm sewer system. The river and storm sewer outlet were not sampled because of the fact that any contaminants that were detected could not be directly attributed only to the Try-Chem facility.

Facility operations posed a direct threat to both surface water and groundwater (see also Section 5-2). The WDNR Solid Waste case files indicate that numerous spills and intentional discharges occurred at the facility. Portions of the building floor contained below ground hatches that were exposed to the soil, and false flooring where wastes were reportedly dumped on a routine basis. In the floor of the main building was a 2,500 cubic-foot unlined pit, where spent solvents and stripping solutions were routinely disposed (U. S. EPA, October 30, 1989). Both the WDNR and the City of Milwaukee Health Department have extensive documentation that describes frequent discharges through the building foundation. Severe etching and dissolution of the concrete sidewalk and street gutter occurred. These discharges were ultimately released to the Pierce Street storm sewer.

The Menomonee River watershed is one of five drainage areas in the Milwaukee River Basin designated as a "priority watershed" in 1984 under the Wisconsin

Nonpoint Source Pollution Abatement Program. A 6.2 mile section of the river that lies within the Menomonee valley (including Burnham Canal) has sustained a loss of fish and invertebrate habitat. Discharges to the storm sewer system lead directly to the river without treatment or filtering (WDNR et al., April 1990, A Nonpoint Source Control Plan for the Menomonee River Priority Watershed Project). Spills of toxic materials from industrial accidents and intentional disposal (both are attributable to the Try-Chem Corporation) continue to degrade surface water quality. As previously mentioned, visible discharges of liquid wastes to the storm sewer were documented at the Try-Chem facility which constitutes a "suspected release" to the surface water resource.

Secondary fisheries exist within the Burnham Canal located 1/8 mile from the site. Both the South Milwaukee channel are classified by WDNR for fish and aquatic life. Currently, however, the water bodies are not meeting the classification criteria. Monitoring surveys indicate that the canals may also support sport fish spawning habitat. Past fish kills in the canals provide an indication of some of the fish species that are resident including: carp, goldfish, white sucker, rainbow trout, channel catfish, black crappie, black bullhead, and northern pike (Mace, Steven, for WDNR, 1990 Draft Report, Water Resource Appraisal for the Menomonee River Mainstem System, Menomonee River Watershed. WDNR recommends that recreational fishing potential in the canals be encouraged and increased through actions and financial commitments under implementation of the WDNR Integrated Resource Management and Nonpoint Source Control Plan for the Menomonee River Watershed.

The potential that TCL compounds and TAL analytes migrated underground to nearby surface water bodies can more aptly be described as a high probability. The probability is based on the following information:

- The topography of the site and surrounding area promotes runoff from the site to drain toward the Menomonee River.

- The geology of the site promotes migration of both shallow and deep groundwater toward the Menomonee River. Post glacial drainage courses are located just east or west of the site (perhaps under the site) and are filled with permeable alluvial deposits.

- The depth of the water table near the site is documented to be very shallow, possibly less than 20 feet.

- Wastes were discharged directly beneath the building at a depth of

several feet below the surrounding surface grade.

- Wastes were discharged through the building foundation. The liquids entered the Pierce Street storm sewer directly via the street gutter.

- TCL compounds and TAL analytes were detected in surface soil samples, and specifically in samples collected under the concrete sidewalk where documented evidence of discharges to the street gutter and storm sewer exist.

It is recommended that sampling be conducted along the Pierce Street storm sewer conduit. Sampling of liquids and sediment within catch basins and man-holes down gradient from the site may document contaminants attributable to the Try-Chem facility.

Because of the high potential that TCL compounds and TAL analytes migrated to nearby surface water bodies, a potential exists for drinking water contamination. The drinking water supply in the are is served by a municipal water supply system taken from Lake Michigan. The closest water supply intake is located approximately four (4) miles from the site. The water intake is located downstream relative to the site since the Menomonee River (nearest water body to the site) discharges to Lake Michigan.

The total target population potentially at risk is 866,384 persons. The population was calculated by adding all municipal water supply customers from the cities of Milwaukee, West Allis, Wauwatosa, Greenfield and St. Francis (WDNR, Public Water Supply Data Book, 1985).

5.4 AIR

A release of TCL compounds into the air pathway is projected based upon field observations made during the SSI of the Try-Chem Corporation. The site entry instrument (HNu HW-101) did not detect concentrations above background at surface sampling locations or in the breathing zone around the perimeter of the facility. As part of the SSI the building was ventilated for a few hours and then accessed to search for potential soil sample locations. It was observed that the building is passively ventilated since numerous windows are broken and openings exist in the roof structure. Organic vapors were detected slightly above background at levels up to a maximum of five units within the interior of the building.

During the sampling of soil beneath the sidewalk at sampling station S02 (northeast corner of building) a concentration of 45 units was detected within the soil auger borehole. Soil sampling station S03 (also northeast corner of building) detected a concentration of 1.5 units above background. The laboratory data confirms that significant concentrations of TCL compounds (especially volatiles) were detected in soil samples from sampling stations S02 and S03 as well as other locations. In accordance with the U.S. EPA approved work plan, further air monitoring was not conducted.

The Site History section (section 2.3) summarizes past air emission violations at Try-Chem. The WDNR Air Management Program has documented air emission violations at the facility from 1976 through 1985. On March 28, 1978, Try-Chem was sent a Notice of Violation by WDNR concerning visible emissions from a paint stripping operation. That violation was referred to the Wisconsin Attorney General's Office on May 1978. On January 13, 1981, a stipulated agreement was reached between the Try-Chem Corporation and the Wisconsin Attorney General's Office resulting from air emission violations during June 1980. The source of the emissions was the facility spray paint booth stack. In 1985 the Try-Chem Corporation was again referred to the Attorney General's Office for installing and operating a paint burnoff oven (incinerator) without first obtaining the required air pollution control permits (WDNR Air Management files).

The potential for windblown particulates to carry TCL compounds and TAL analytes from the Try-Chem Corporation site has been minimized as a result of the emergency removal action. The sources that were actively discharging contaminants to the air on a daily basis have been removed. Most of the site is under roof or paved with concrete or asphalt. Some exposed soil locations, however, were found to contain TCL compounds and TAL analytes. Materials that may have been deposited on the roof from past facility processes may also continue to release contaminants (especially metallic salts) to the air migration pathway.

The total target population that may be potentially affected within two miles of the facility is approximately 59,128 persons. This figure was arrived at by approximating the percentage of each municipality within each mile radius, multiplying that by the total population of the municipality, and adding the total of the number of buildings (where appropriate) multiplied by 3.8 persons (U.S. Department of Commerce, General Population Characteristics - Wisconsin).

5.5 FIRE AND EXPLOSION

One explosion was reported during the time the facility was operating. Ron Anhert, the corporation president stated that moisture in the electrical control room caused an explosion on May 22, 1983 (WDNR Air Management files).

The potential for an explosion at this site has been minimized as a result of the emergency removal action. Wastes that included explosive or highly flammable materials and other materials that may have generated noxious or hazardous vapors or fumes upon combustion have been removed.

WDNR Solid Waste case files indicate that two fires occurred during 1987. The fires were reportedly started by vandals attempting to reclaim copper from scrap material in the building. The building is currently abandoned and boarded-up, however, the City of Milwaukee personnel continue to re-secure the building after break-ins by trespassers and vandals. The site's history of vandalism increases the potential for the threat of fire at the site.

The total target population potentially affected within a two mile radius is 59,128 people. The population was calculated in the manner described in Section 5.4.

5.6 DIRECT CONTACT

According to state and local file information, there is no documented incident of direct contact with TCL compounds or TAL analytes at the Try-Chem Corporation. An emergency removal action has removed the bulk of the hazardous wastes and materials from the site.

A potential continues to exist, however, for the public to come into contact with contaminants attributed to the facility. The potential for direct contact is based upon the following information.

- TCL compounds and TAL analytes were detected in on-site soil samples.
- Access to the site is not completely restricted. A snow fence exists around portions of the site and an opening exists in the fence that permits access to the loading dock and storage area.
- The building is boarded up and abandoned. Vandals and trespassers, however, continue to remove physical barriers thus permitting access to the building.

- Hazardous wastes and materials were removed from the exterior of the building prior to and during the emergency removal action. Contaminated soils, however, are not contained or removed.

- The building was reportedly decontaminated during the emergency removal by scraping the floor and removing loose dirt and debris. Sodium hypochlorite and sodium metabisulfite were used to oxidize cyanide and reduce hexavalent chrome. Loose dirt and other debris was still observed on the building floor during the SSI on May 31, 1989. This remaining debris may contain TCL compounds or TAL analytes and pose a potential direct contact threat.

- Hatches that exist below the false floor of the building were reportedly used to dispose of waste chemicals. The hatches reportedly do not have a sealed bottom. The base of the hatches are suspected to contain contaminated soil.

The Try-Chem Corporation site is located in a predominately industrial area. Residential areas containing many single family residences are located within two blocks of the site (U.S. EPA 1989).

The total target population potentially affected within two miles of the site is 19,177 people. The population was calculated in the manner described in Section 5.4.

6. BIBLIOGRAPHY AND REFERENCE LIST

1. WDNR, Solid Waste Case File for Try-Chem Corporation, Milwaukee, Wisconsin.

2. WDNR, July 8, 1984, Potential Waste Site Preliminary Assessment Try-Chem Corporation, Milwaukee, Wisconsin, prepared by Elizabeth Duchelle, Milwaukee, Wisconsin

3. WDNR, Screening Site Inspection for Try-Chem Corporation, Milwaukee, Wisconsin, conducted March 24, 1988.

4. Milwaukee Metropolitan Sewerage District, July 1984, Contract Documents - North Shore Interceptor Volume III, GeoTechnical Report.

5. Wisconsin Legislative Reference Bureau, Wisconsin Blue Book, 1985-1986.

6. WDNR Water Supply Well Information, including: Public Water Supply Data Book, prepared by Eric Syftestad, WDNR, Madison, Wisconsin, 1985, and Well Location Map for Milwaukee County.

7. Schaefer, Bob, June 20, 1980, WDNR Memorandum to Water Supply and Wastewater Supervisors, Heavy Metals in Soils.

8. National Flood Insurance Program, Floodway Map for City of Milwaukee, Wisconsin.

9. Sax, Irving N. Dangerous Properties of Industrial Materials, ed. 6, New York, Reinhold, 1984.

10. WDNR, April 7, 1988, Preliminary Assessment Guidance Document, Attachments 1-5.

11. Nicotera, Ronald F., December 29, 1989, WDNR Memorandum to John Krahling: Endangered Resources Information Review, Try-Chem Corporation et. al.

12. U.S. EPA, October 30, 1989, On-Scene Coordinator Report CERCLA Removal Action Try-Chem Corporation, Milwaukee, Wisconsin.

13. Milwaukee Metropolitan Sewerage District, December 1985, Contract Documents - Crosstown 7 Collector System Volume II, Geotechnical Report.

14. WDNR, May 30, 1989, Superfund Site Sampling Plan-Try-Chem Corporation.

15. WDNR, December 1989, Screening Site Inspection Report for Try-Chem Corporation, 1333 W. Pierce Street, Milwaukee, Wisconsin.

16. WDNR 4-Mile Radius Map for Try-Chem Corporation, (Appendix D), (Milwaukee, Hales Corners, Greendale, and Wauwatosa - U.S. Geological Survey Quadrangle Maps).

17. WDNR, Air Management Case Files for Try-Chem Corporation.

Site Inspection Report

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

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	WID048034300

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
TRY-CHEM CORPORATION	1333 W. PIERCE ST.

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
MILWAUKEE	WI	53204	MILWAUKEE	79	04

09 COORDINATES LATITUDE	LONGITUDE
43 01 24.__	-87 55 43.5

10 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ■ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
05/31/89 (MONTH DAY YEAR)	☐ ACTIVE ■ INACTIVE	1975 (BEGINNING YEAR) 1985 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
■ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
JOHN KRAHLING	ENVIRONMENTAL REPAIR HYDROGEOLOGIST	WDNR	(414) 562-9677
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO
JIM SCHMIDT	ENVIRONMENTAL REPAIR UNIT SUPERVISOR	WDNR	(414) 562-9643
MARGARET GRAEFE	ENVIRONMENTAL REPAIR HYDROGEOLOGIST	WDNR	(414) 562-9651
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
NONE			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	8:30am	warm, sunny

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO
JOHN KRAHLING / VIC PAPPAS	WDNR	(414) 562-9677 (414) 562-9682

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
JOHN KRAHLING	WDNR		(414) 562-9677	12 22 89 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	WID048034300

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS: TOTAL UNKNOWN
CUBIC YARDS: _____
NO. OF DRUMS: _____

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	50-100	TONS	KOLENE SLUDGE, PLATING SLUDGE
OLW	OILY WASTE	Unknown		Oils containing PCBs
SOL	SOLVENTS	20,000	gals	Methylene Chloride, Paint solvents
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	13,000	gals	
IOC	INORGANIC CHEMICALS	Unknown		
ACD	ACIDS	Unknown		Chromic, Hydrochloric
BAS	BASES	Unknown		
MES	HEAVY METALS	Unknown		Chrome, Lead

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
	See Table 4-1				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N.A.		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

Preliminary Assessment - July 1984
Solid Waste Case files (WDNR)
Superfund Screening Site Inspection - 5-31-89
U.S. EPA ON-SCENE Coordinator Report - CERCLA Removal Action, 1989

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID048034300

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 100-1000 — 04 NARRATIVE DESCRIPTION
Groundwater was not sampled. Wastes that were discharged beneath the building probably migrated through soil to groundwater. See Section 5 - Migration Pathway for Groundwater

01 ☐ B SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 259,865 — 04 NARRATIVE DESCRIPTION
WASTES WERE DISCHARGED UNDER AND THROUGH THE BUILDING FOUNDATION. LIQUIDS THAT FLOWED THROUGH THE BUILDING FOUNDATION ENTERED THE STORM SEWER VIA THE STREET GUTTER. THE STORM SEWER DISCHARGES TO THE MENOMONEE RIVER LOCATED 1/8 MILE FROM SITE. THE RIVER DISCHARGES TO LAKE MICHIGAN LOCATED APPX 1-2 MILES FROM SITE. SEE SECTION 5 - MIGRATION PATHWAY FOR SURFACE WATER

01 ☐ C CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 59,128 — 04 NARRATIVE DESCRIPTION
Moderate concentrations of organic vapors were detected in surface soil sampling locations with WDNR Health & Safety monitoring equipment. WDNR Air Monitoring Case files document particulate discharges from the facility from 1976 - 1985

01 ☐ D FIRE/EXPLOSIVE CONDITIONS — 02 ■ OBSERVED (DATE 1987) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 59,128 — 04 NARRATIVE DESCRIPTION
one explosion was reported during the time that the facility was operating. Two fires were started by vandals in 1987 prior to the CERCLA removal action. The threat of fire STILL EXISTS because vandals and tresspassers break into the building

01 ☐ E DIRECT CONTACT — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 19,177 — 04 NARRATIVE DESCRIPTION
The direct contact threat persists because TCL compounds and TAL analytes were detected in on-site soil samples. Access to the site is easy because the front of the site is fenced with snow fence.

01 ☐ F CONTAMINATION OF SOIL — 02 ■ OBSERVED (DATE 5-31-89) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED 2 (acres) — 04 NARRATIVE DESCRIPTION
WDNR Sampling confirmed the presence of TCL compounds and TAL analytes in on-site soils. Subsoils are expected to be very contaminated because chemical waste was dumped into false flooring beneath building

01 ☐ G DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 866,384 — 04 NARRATIVE DESCRIPTION
The Menomonee River is 1/8 mile from site. The river discharges to Lake Michigan appx 1.2 miles from site. The City of Milwaukee operates surface water supply INTAKES appx. 4 miles from site (Texas Avenue INTAKE)

01 ☐ H WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE _____) ● POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION
Facility is Closed and abandoned. If facility is sold and re-opened a potential exposure hazard exists since TCL compounds and TAL analytes are documented in on-site soil samples.

01 ☐ I POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE _____) ● POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 259,865 — 04 NARRATIVE DESCRIPTION
The potential for population exposure exists since the site is not well secured, Tresspassers and vandals continue to access building and more fires may be started (See B, C, D, E, F, G).

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID048034300

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Most of the site is under roof. Most of the remainder of the site is paved.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include names(s) of species)
Refer to "J" above. Potential harm to birds such as pigeons etc. that may access building or roost on roof.

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Refer to "K" above.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: 11-18-87--5-25/88) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 19,177 (1-mile) — 04 NARRATIVE DESCRIPTION
EMERGENCY Removal Action removed bulk of wastes from the site. Some waste may remain in hatches beneath false flooring

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ■ OBSERVED (DATE: 1982-1984) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION Severe etching and dissolution of concrete sidewalk occured on several occasions. Liquid wastes flowed under the public sidewalk and down the street gutter

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ■ OBSERVED (DATE: 1982-1984) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
see "N" above. Wastes were discharged directly into sanitary sewer. Storm sewer received drainage from street gutter which had documented physical damage

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ■ OBSERVED (DATE: 1982-1984) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION Illegal dumping of Kolene sludge is documented in WDNR Solid Waste Case file. Owner/operator was criminally charged and imprisoned on above VIOLATION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
Concrete pits and tanks potentially leaked wastes to soil beneath building. Hatches beneath false floor received waste chemicals and discharged to soil

III. TOTAL POPULATION POTENTIALLY AFFECTED: 86,384

IV. COMMENTS
For more information see Section 2.3 - Site History and Section 5 - Migration Pathways

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
Solid Waste case files (WDNR)
Superfund Screening Site Inspection 5-31-89
U.S. EPA On-Scene Coordinator Report - CERCLA Removal Action, 1989

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID048034300

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
■ J. NONE	UNKNOWN			

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
■ B. PILES	12	TONS
■ C. DRUMS, ABOVE GROUND	60	yds 3
■ D. TANK, ABOVE GROUND	13,000	gals
■ E. TANK, BELOW GROUND	20,000	gals
■ F. LANDFILL	50-100	TONS
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ■ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ■ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

■ A. BUILDINGS ON SITE
1-main bldg.
1-storage bldg.

06 AREA OF SITE

2 (Acres)

07 COMMENTS

Waste chemicals and liquids were reportedly disposed under the false flooring under the building. Tanks that were involved in various facility operations were leaking. Kolene sludge was buried on site and later removed.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ■ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC

see Item III-07 Comments (above)

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ■ YES ☐ NO

02 COMMENTS both the site and building remain accessible. Below ground hatches that were used to dispose of waste may not have been decontaminated during the U.S. EPA CERCLA Removal action

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

WDNR Solid Waste case file
U.S. EPA On-Scene Coordinator Report CERCLA Removal Action, 1989

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	WID 048034300

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY	SURFACE	WELL	02 STATUS	ENDANGERED	AFFECTED	MONITORED	03 DISTANCE TO SITE
COMMUNITY	A. ☑	B. ☐		A. ☐	B. ☐	C. ☑	A. 4 (mi)
NON-COMMUNITY	C. ☐	D. ☐		D. ☐	E. ☐	F. ☐	B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other source(s) available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water source(s) available) ☑ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other source(s) available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER UNK.

03 DISTANCE TO NEAREST DRINKING WATER WELL UNK (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
20 (ft)	Shallow - North Deep - East	60 (ft)	UNK (gpd)	☐ YES ☑ NO (interconnected)

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

Well logs for approximately 10 wells were located within 1-mile of the site. Local well logs indicate that most were used to serve industrial sources. Most wells terminate in the dolomite bedrock. Some wells were constructed to the sandstone aquifer See Appendix B.

10 RECHARGE AREA		11 DISCHARGE AREA	
☑ YES ☐ NO	COMMENTS: The area is recharged by precipitation in the form of rain and snow	☑ YES ☐ NO	COMMENTS: Groundwater under the site may discharge to the Menomonee River.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☑ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Menomonee River	☐	1/8 (mi)
Milwaukee River	☐	1.0 (mi)
Lake Michigan	☐	1.2 (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 19,177 NO. OF PERSONS	B. 59,128 NO. OF PERSONS	C. 119,985 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 900 ft. (residences) (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
15,560	200 ft. (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The area immediately surrounding the site is industrial. Residential areas are located within 900 ft. of the site. Just north of the site is an industrial area. Heavily populated residential areas are located just south of the site

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID048034300

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ■ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm sec) ■ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
180 - 250 (ft)	unknown (ft)	UNK	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
1.0 (in)	2.25 (in)	0 %	flat	3-5 %

09 FLOOD POTENTIAL

SITE IS IN UNK YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. _____ (mi)	B. >-4 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

4 (mi)

STATE ENDANGERED SPECIES: striped shiner

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A. 0 (on-site) (mi)	B. 1/8 900ft. (mi)	C. _____ (mi)	D. >-4 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

See 4-Mile Radius Map (Appendix D)

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

Superfund Screening Site Inspection 5-31-89
U.S. EPA On-Scene Coordinator Report CERCLA removal, 1989
4-mile radius Map - USGS Quadrangles (appendix D)
MMSD Contract Documents - Crosstown 7 Collector System Geotechnical Report Volume II Dec. 1985
WDNR Preliminary Assessment Guidance Documents 4-7-88

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID048034300

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	7	TCL Compounds: PEI Associates, Cincinnati, Ohio TAL Analytes: Skinner & Sherman Wal Itham, Maine	
VEGETATION		data presently available	
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNu HW101	~5 units. Slight readings above background inside building
	moderate readings in surface soil sample
	boreholes. (SO2 had a reading of 45 units)

IV. PHOTOGRAPHS AND MAPS

included in report

01 TYPE ☑ GROUND ☐ AERIAL

02 IN CUSTODY OF WDNR SE. DIST. OFFICE MILWAUKEE
(Name of organization or individual)

03 MAPS ☑ YES ☐ NO

04 LOCATION OF MAPS WDNR SE DIST. office Milwaukee,

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

weather conditions.

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

Superfund Screening Site INSPECTION 5-31-89

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	WID048034300

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
U.S. INTERNAL Revenue Serv.		310 W. Wisconsin Ave.		Milwaukee	WI	
TRY-CHEM CORP. RON AHNERT - President		1333 W. PIERCE ST.		Milwaukee	WI	53204

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
TRY-CHEM CORP. RON AHNERT-PRESIDENT		1333 W. PIERCE ST.		MILWAUKEE	WI	53204

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

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

WDNR Solid Waste Case files.
Milwaukee Area Phone Directory

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID04 8034300

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
N.A. Facility closed	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
RON Ahnert - Pres. Try-chem	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
1333 W. PIERCE ST.	

05 CITY	06 STATE	07 ZIP CODE
Milwaukee	WI	53204

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1975-1985	RON Ahnert - President

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

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

WDNR Solid Waste Case files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	WID048034300

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Try-CHEM Corp.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
1333 W. Pierce ST.	

05 CITY	06 STATE	07 ZIP CODE
Milwaukee	WI	53204

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
UNKNOWN.			

Ron Ahnert and Try-Chem Corp. filed a Chapter 7 Bankruptcy petition. Excerpts are attached of accounts receivable. These may include potential off-site generators.

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
UNK.			

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

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

WDNR Solid waste Case files
Preliminary Assessment July-1984
Chapter 7 Bankruptcy Petition # 85-03388, 9-10-85

ACCOUNTS RECEIVABLE

A & A Mfg. Co., Inc.	2300 South Calhoun Rd., New Berlin, 53151	$ 57.80
Acro Metal Stamping	2200 W. Cornell St., Milwaukee, WI 53209	237.00
Aero Shade, Inc.	P.O. Box 559 - 433 Oakland, Wauk.,WI 53186	21.10
Allied Mfg.	13100 W. Cleveland Ave., New Berlin 53151	300.00
Arens Controls	2017 Greenleaf St.,Evanston, Il 60202	152.36
Atlas Metal Parts	P.O. Box 297, Waukesha, WI 53187	143.10
Auer Ind. Inc.	3021 W. Auer Ave. Milw., WI 53216	112.00
R. L. Bayer Mfg. Co.	7752 W. Hick St., West Allis, WI 53219	125.60
Bull Moose Tube Co.	P.O. Box 56 - 555 E. 16th St., Chicago Hts.	323.40
Charm Glo	Bristol Industrial Pk.,Box 127, Bristol	35.86
Columbia Car Corp.	P.O. Box 1, Deerfield, WI 53531	306.86
Commercial Heat Treating	1932 S. 1st St., Milw., WI 53204	37.80
Carden Mfg. Co.	1961 Hwy. 175, Richfield, WI 53076	435.66
D.C.I. Marketing	2727 W. Good Hope Rd., Milw., WI	1222.50
Dynamic Stamping	P.O. Box 1245, 1350 Pearl St.,Wauk., WI	5262.01
Eclipse Mfg. Co.	P.O. Box 788, 1823 Oakland Ave., Sheboygan,WI	292.50
Eddy Associates	2850 S. 166 St., New Berlin, WI 53251	686.00
E. Z. Painter	4051 S. Iowa Ave., Milwaukee, WI 53207	886.56
Fortress Forms, Inc.	2175 S. 170 St., New Berlin, WI 53151	647.69
Fulton Mfg.	1912 S. 82 St., Milwaukee, WI 53219	1896.33
General Electric Med. Sy.	4855 Electric Ave., Milwaukee, WI 53219	655.13
M. A. Gerett	N92 W15966 Megal Dr., Menomonee Falls, WI 53051	189.35
Gleason Reel	600 S. Clark St., P.O. Box 26, Mayville, WI	129.45
Global Mfg.	1675 S. 43 St., P.O.Box 15307, Milw.,WI 53214	182.49
Helwig Carbon	2550 N. 30 St., Milwaukee, WI 53210	37.80
Hevi-Duty Electric	P.O. Box 268, Hy 117 South, Goldsboro,N.C.	715.90
Huffy Corporation	2018 S. 1st St., Milwaukee, WI 53207	181.40
Kempsmith Machine Co.	1819 S. 71 St., Milwaukee, WI 53214	136.00
LMP Fastener	300 Sussex St., Pewaukee, WI 53072	256.57
Lock Corp.	6301 W. Mill Rd., Milwaukee, WI	53.80
Louis Allis Corp.	P.O. Box 2020, 427 E. Stewart St., Milw., WI	375.67
Luedtke Mfg.	P.O. Box 97, Allenton, WI 53002	517.80
Luitink Mfg.	W140 N8700 Lilly Rd., Menomonee Falls, WI 53051	137.15
Mayville Metal Prod.	1st & Highland, Box 28, Mayville, WI 53050	150.00
Milw. Machine Prod.	10300 N. Enterprise Ave., W-66, Mequon, WI	181.65
Milw. Tool & Equip.	2773 S. 29 St., P.O.Box 2039, Milw., WI 53201	75.60
MT.E. Corp.	7901 W. Clinton, Milwaukee, WI 53223	558.64
Kumper Machine	5081 N. 124 St., Butler, WI 53007	189.00
Nor-Quiest Tool & Die	39795 Industrial Dr., Oconomowoc, WI 53066	317.57
Northwestern Co.	16205 W. Rogers Dr., New Berlin, WI 53151	165.30
Ridgeway Mfg.	1405-16th St., P.O. Box 1226, Racine, WI	122.50
Rite-Hite Corp.	5935 S. Pennsylvania, Cudahy, WI 53110	117.00
RTE Corporation	1900 E. North St., Waukesha, WI 53186	562.82
Safety Kleen Corp.	777 Big Timber Rd., Elgin, Il 60120	915.55
Sterling Tool & Mfg.	N60 W22700 Silver Spring Dr., Sussex, WI 53089	1235.14
Toledo Scale	3817 Nicholson Rd., Franksville, WI 53126	255.04
Watertown Metal	1141 - 10th St, Watertown, WI 53094	37.80
Waukesha Engine	1000 W. St. Paul Ave., Waukesha, WI	746.56
Weldall Mfg.	208 Wilmont Dr., Waukesha, WI 53186	203.00
Wesley Tool & Die	5030 N. 124 St., Milwaukee, WI 53225	3117.59
Wire & Metal Spec.	4021 S. K.K. Ave., Milw., WI 53207	1781.79
Wiza Industries	S82 W18762 Genini Dr., Muskego Ind. Park	529.95
Wierden Company	7355 S. 1st St., Oak Creek, WI 53154	441.02

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	WID048034300

II. PAST RESPONSE ACTIVITIES

	02 DATE	03 AGENCY
01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION N.A.		
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION N.A.		
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION N.A.		
01 ☒ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION U.S EPA CERCLA Removal ACTION	11/18/87-5/25/88	U.S. EPA
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION		
01 ☒ F. WASTE REPACKAGED 04 DESCRIPTION U.S. EPA CERCLA Removal ACTION	11/18/87-5/25/88	U.S. EPA
01 ☒ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION US EPA CERCLA Removal ACTION	11/18/87-5/25/88	US. EPA
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION N.A.		
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION N.A.		
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION N.A.		
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION N.A.		
01 ☐ L. ENCAPSULATION 04 DESCRIPTION N.A.		
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION N.A.		
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION N.A.		
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION N.A.		
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION N.A.		
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION N.A.		

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID 048034300

II PAST RESPONSE ACTIVITIES (Continued)

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

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY CITY OF MILWAUKEE
04 DESCRIPTION
SNOW Fence around site. Building locked and boarded up.

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N.A.

01 ☒ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
SEE On Scene Coordinator Report
CERCLA Removal ACTION
Try-Chem Corporation
10/30/89

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

WDNR Solid Waste Case files
Superfund Screening Site Inspection 5-31-89
U.S. EPA On-Scene Coordinator Report CERCLA Removal ACTION 10-30-89

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	WID048034300

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ■ YES ☐ NO

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

Violations occured beginning in 1976 and continued through 1985 (Time of plant closing). Violations were extensive and long term. Enforcement was detailed and extensive. Owner/operator was criminally charged and imprisoned on illegal disposal of hazardous waste violations. See Section 2.3 Site History for a partial summary of violations and enforcement actions.

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

WDNR Solid Waste Case file
WDNR Air Management Case file - Try-Chem Corporation
Preliminary Assessment July - 1984

EPA FORM 2070-13 (7-81)

Wel. 6-30M (6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town ☐ Village ☐ City ☒ } Milwaukee (Check one and give name)

2. Location 101 South Muskego Ave., NE NE Sec 31 T7N R22E (Name of street and number of ~~premise or~~ Section, Town and Range numbers)

RECEIVED Feb 1 1951 BUREAU SAN. ENG.

3. Owner ☒ or Agent ☐ Armour and Company (Name of individual, partnership or firm)

4. Mail Address 121 South Muskego Ave (Complete address required)

5. From well to nearest: Building 5 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Test Purposes

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	0	244			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Black Steel	0	242

9. GROUT:

Kind	From (ft.)	To (ft.)
None		

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Brick fill	0	6
Rocks and Gravel	6	10
Clay	10	60
Gravel, sand and clay	60	67
Clay Reddish	67	90
Clay	90	150
Gravel, Clay and sand	150	190
Cemented Gravel and Clay	190	210
Clay some gravel	210	222
Clay	222	242
Limestone	242 drill two feet,	

Construction of the well was completed on:

April 10th 19 51

Pull out 6 inch drive pipe and plug hole

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ____ No ____

Was the well sealed watertight upon completion?

Yes ____ No ____

11. MISCELLANEOUS DATA:

Yield test: None Hrs. at ____ GPM.

Depth from surface to water-level: ____ ft.

Water-level when pumping: ____ ft.

Water sample was sent to the state laboratory at:

____ City ____ on ____ 19____

J. P. MILLER ARTESIAN WELL CO

Signature [signature] Registered Well Driller

131 W. Wisconsin Ave., Milwaukee, Wisconsin Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

County Milwaukee Twp. MilW Sec. City

(Office Record—Do not fill in)

NENE Sec 31 T7N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

2

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Plankinton Packing Co. Driller Layne-Northwest Co

(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address 709 N. 11th St

Address Milwaukee W. Milwaukee Wis

(City, village, township, county)

Date of Report July 25 1938

230 So. Muskego Registration No. 29

Give below the location of the property on which well is drilled.

If incorporated village or city: .... Name .... Lot .... Blk. .... Street and No.

If unincorporated hamlet .... Name .... County .... Twp. .... Highway

If Lake Shore Plat .... Name of Plat .... Lake .... Lot .... Blk. .... Street

If Farm .... County .... Twp. .... Sec. .... Highway

If School .... County .... Twp. .... Sec. .... District

If other public building .... Kind .... County .... Twp. .... Sec.

Miscellaneous Meat Packing Plant .... Kind .... County .... Twp. .... Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
212 of 16" O.D. W.I. Drivepipe with forged steel shoe attached.	0 – 25	Drift	Duration of test. Hours 10
	25 – 50	Some water bearing gravel [illegible]	Pumping Rate. G. P. M. 1000
	50 – 75		Depth of pump in well. Ft. 220
	75 – 100		Standing water-level (from surface.) Ft. 14' 2"
	100 – 150		Water level when pumping Ft.
	150 – 200		Water, End of test. Check: Clear ✓ Cloudy Turbid
212	200 – 400	212 Limestone [illegible]	Was well sterilized before test? Yes ✓ No Date April 12 38
–456 19½" 10" I.D. W.I. liner 552	400 – 600	463 Shale Limestone	To which Laboratory was sample sent? Madison Date When pump [illegible]
	600 – 1200	904 No water Sandstone Water Bearing	Was the well sealed on completion? Yes ✓ No
	1200 –	1760	How high did you leave casing above grade? 2'

Well was completed March 1938

Well Driller: Layne Northwest [illegible]

Signature. [illegible]

(Be sure to complete the report on the reverse side)

LOG OF WELL

PLANKINTON PACKING COMPANY

Milwaukee, Wisconsin

1938

16" W.I. Drive Pipe - 215'8"
12" W.I. Coupled Liner - 196' from 456' to 652'
16" Hole To 652'
12" Hole 652' to 1760'.

Depths	Formations	Remarks
0' - 30'	- Fill, Cinders and Clay	
30' - 105'	- Light Mud	
105' - 115'	- Hard Sand & Clay	
115' - 134'	- Muddy sand	
134' - 165'	- Clay	
165' - 207'	- Clay & Gravel	
207' - 222'	- Broken Limestone	
222' - 475'	- Gray, Limestone - - -	Hard
475' - 522'	- Limestone & Shale	
522' - 642'	- Shale - - - - -	Very Sticky
642' - 904'	- Limestone	
904' - 1133'	- St.Peters Sandstone	
1133' - 1134'	- Streak of green shale	
1134' - 1141'	- Red Marl	
1141' - 1153'	- Hard sandstone	
1153' - 1226'	- Red Marl, sand & lime	
1226' - 1364'	- Soft Sandstone	
1364' - 1435'	- Coarse Water sand	
1435' - 1468'	- Very soft sandstone	
1468' - 1469'	- Red Marl	
1469' - 1475'	- Sandstone	
1475' - 1483'	- Red Marl	
1483' - 1502'	- Coarse Water sand	
1502' - 1535'	- Red Sandstone	
1535' - 1618'	- White sandstone	
1618' - 1700'	- Pink sandstone	
1700' - 1760'	- White sandstone.	

County Milw Twp. Milw City Sec. MI-51

NENE Sec 31 T 7N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

2

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Plankington Packing Co Driller Layne Northwest Co.
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address 709 North Eleventh St. Milwaukee

Address 230 S. Muskego Ave. Milwaukee
(City, village, township, county)

Date of Report May 23 1938

Registration No. 29

Give below the location of the property on which well is drilled.

If incorporated village or city: .... Name .... Lot .... Blk. .... Street and No.

If unincorporated hamlet .... Name .... County .... Twp. .... Highway

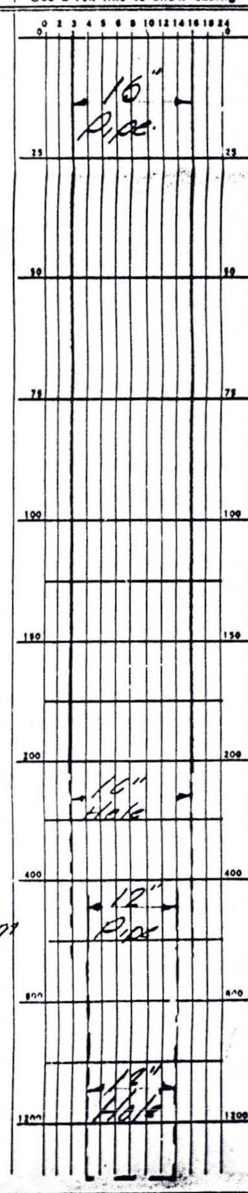
If Lake Shore Plat .... Name of Plat .... Lake .... Lot .... Blk. .... Street

If Subdivision .... Name .... County .... Twp. .... Sec. .... Lot .... Blk.

If Farm .... County .... Twp. .... Sec. .... Highway

If School .... County .... Twp. .... Sec. .... District

If other public building .... Kind .... County .... Twp. .... Sec.

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
215'-8" of 16" O.D. W.I. Drive Pipe with drive shoe attached 195' of 12" I.D. W.I. Liner from 456' to 652'		Detailed Log Attached	Duration of test. Hours 10 Pumping Rate. G. P. M. 1020 Depth of pump in well. Ft. 220' Standing water-level (from surface.) Ft. 20 Water level when pumping Ft. .... Water. End of test. Check: Clear ✓ Cloudy .... Turbid .... Was well sterilized before test? Yes ✓ No .... Date .... To which Laboratory was sample sent? Madison Date .... Was the well sealed on completion? Yes ✓ No .... How high did you leave casing above grade? 2' Well was completed April 1938 Well Driller: [signature] Signature [signature] (Be sure to complete the report on the reverse side)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

3 JUN 14 1948

1. County Milwaukee { Town ☐ / Village ☐ / City ☒ } Milwaukee (Check one and give name)

2. Location 1901 W. Canal Street NW NW NE Sec 31 T7N R22E
Name of street and number of premise or Sec. Tn. and R. numbers

3. Owner ☒ or Agent ☐ Donner Packing Company
Name of individual, partnership or firm

4. Mail Address 1242 - N. 5th Street
Complete address required

5. From well to nearest: Building 25 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Slaughter House

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
16	0	20
8	20	464

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Black steel pipe	12"	190

9. GROUT:

Kind	From (ft.)	To (ft.)
Acqua Jell	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Fill	8	8
Marsh muck	8	17
Fine Sand	17	31
Marsh muck	31	58
Hard stony clay	58	64
Sandy clay	64	115
Gravel	115	133
Red clay	133	185
Gravel	185	190
Limestone	2?4	464

11. MISCELLANEOUS DATA:

Yield test: 12 Hrs. at 70 GPM.

Depth from surface to water: 65 ft.

Water-level when pumping: 90 ft.

Water sample sent to laboratory at Kenosha on March 15, 1948

Construction of the well was completed on March 17, 1948

The well is terminated 12 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

Signature Knaack & Son Company
Registered Well Driller

572 - N. 67th Street Wauwatosa
Complete Mail Address

Wel 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

4

1. County Milwaukee (Town ☐ Village ☐ City ☒) Milwaukee — Check one and give name

2. Location N.E. ¼ of S.E. ¼ of Sec. 32, T7N, R22E - 7th & Canal Street
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Milwaukee Tallow & Grease Company
Name of individual, partnership or firm

4. Mail Address 131 South 7th Street - Milwaukee, Wisconsin
Complete address required

RECEIVED
JAN 23 1962

5. From well to nearest: Building ____ ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Industry SANITARY ENGINEERING

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
24	0	60'	15¼	188'1"	640
16	60'	188'1"	12	640	1807

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
24	Steel	11"+	60'
16	Steel	18"+	188'1"
12	Steel	409'	640'

9. GROUT:

Kind	From (ft.)	To (ft.)
Neat	0	60

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Drift	0	186
Limestone	186	430
Shale	430	630
Limestone	630	895
Sandstone	895	1435
Red Shale	1435	1460
Sandstone	1460	1807

Construction of the well was completed on:
September 19 61

The well is terminated 18 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 12 Hrs. at 752 GPM.

Depth from surface to water-level: 105 ft.

Water-level when pumping: 245 ft.

Water sample was sent to the state laboratory at:
Upon installation of permanent pump
City on ____ 19____

LAYNE-NORTHWEST COMPANY
Signature I E Linck
Registered Well Driller

6005 West Martin Drive
Milwaukee 13, Wisconsin
Complete Mail Address

Please do not write in space below

EL/paw
-22-62

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

GROUND ELEV.: 6.9 | PROJECT ID.: C28J11W.GA1 | BORING NO.: C28-13-CT7

NORTH COORD.: 380573 | FIELD ENG./GEO.: J.M. MCBEE | DATE BEGAN: 12/27/1984

EAST COORD. : 2553489 | DRILLER: M. CRIMALDI | DATE COMPLETED: 12/27/1984

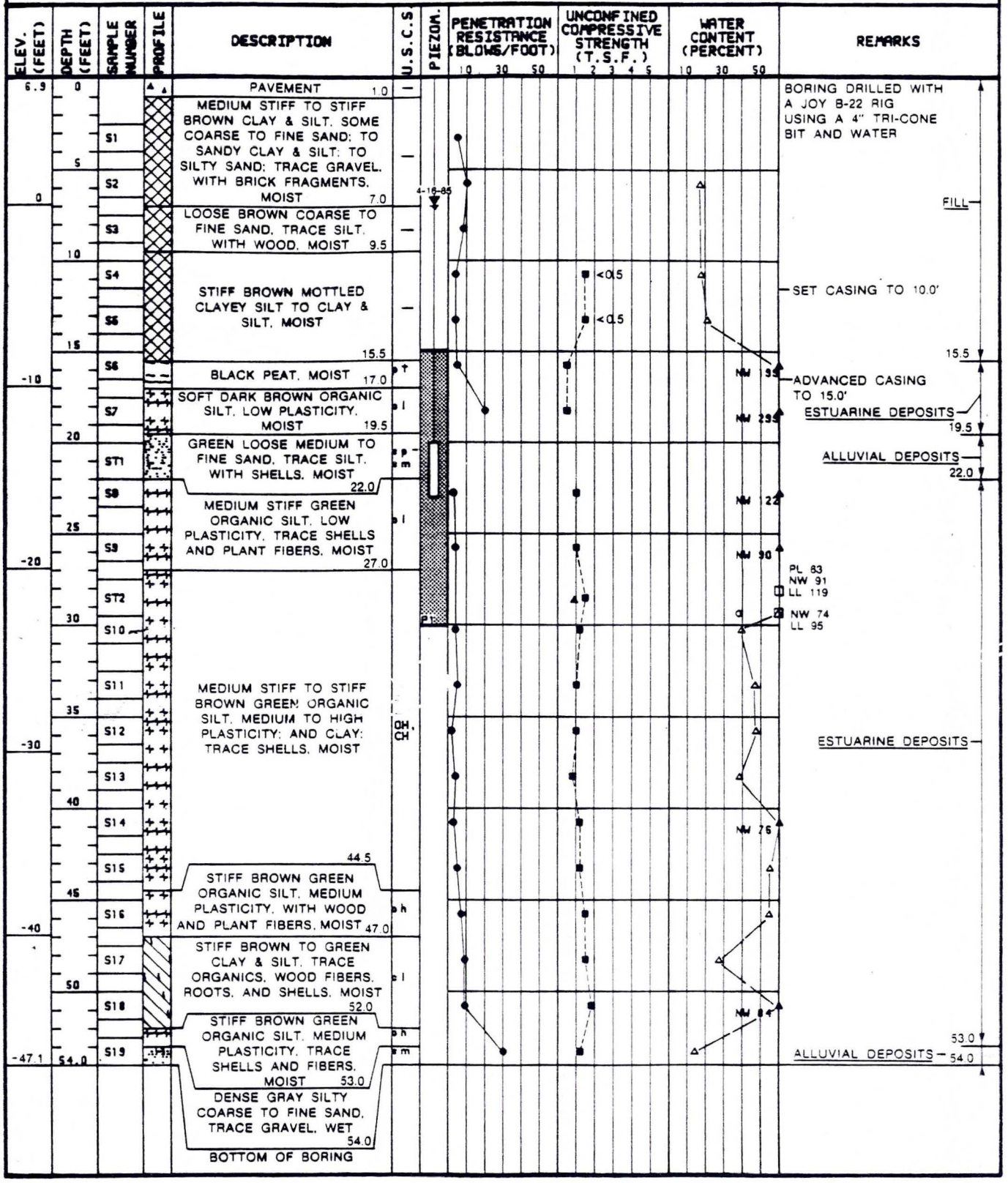


FIGURE A-23

BORING LOG C28-13-CT7

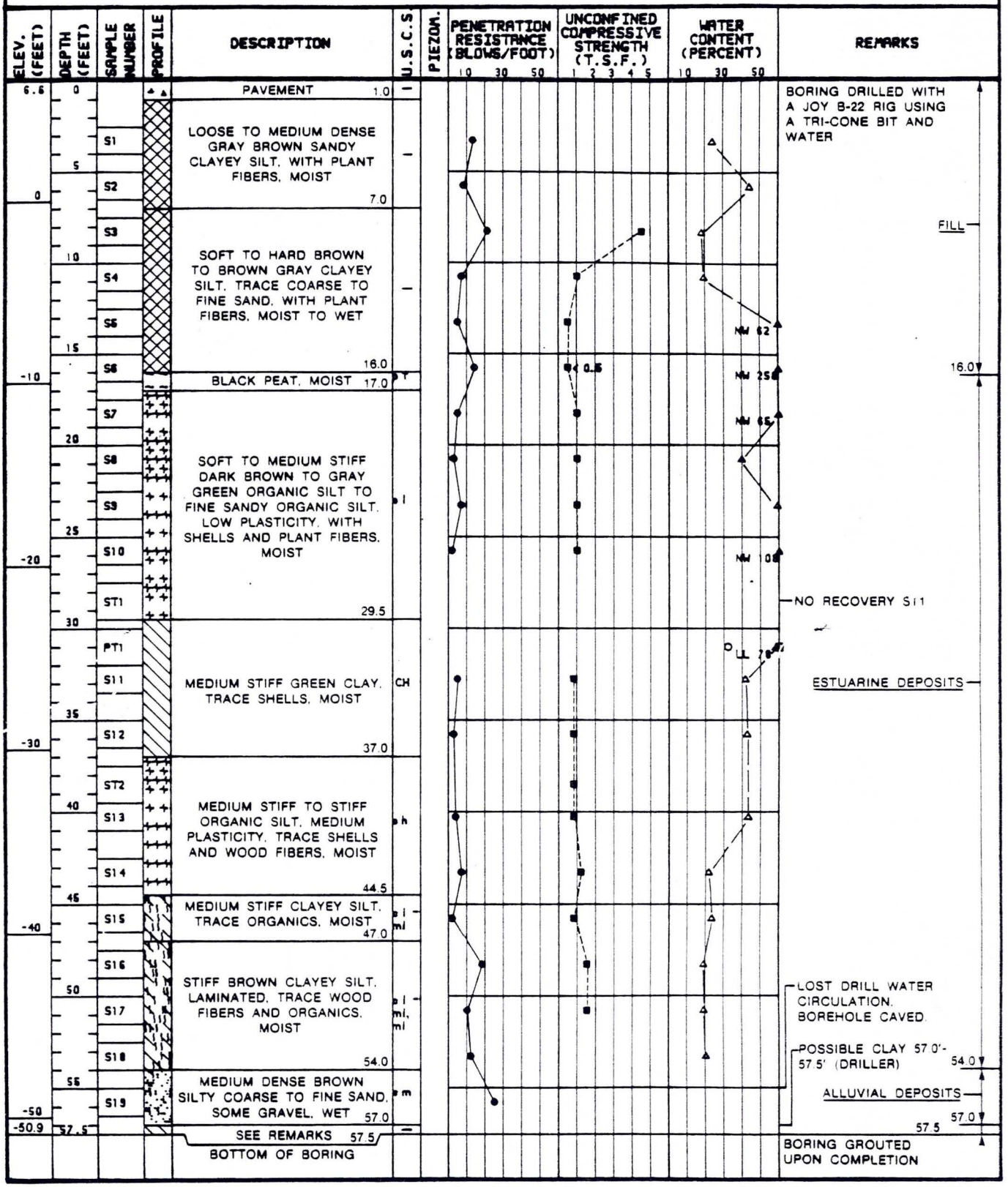
CT-7 COLLECTOR

M02J18.R0157

GROUND ELEV.: 6.6 | PROJECT ID.: C28J11W.GA1 | BORING NO.: C28-14-CT7

NORTH COORD.: 380570 | FIELD ENG./GEO.: J.M. MCBEE | DATE BEGAN: 12/27/1984

EAST COORD. : 2553768 | DRILLER: M. CRIMALDI | DATE COMPLETED: 12/27/1984



MSD

FIGURE A-24

BORING LOG C28-14-CT7

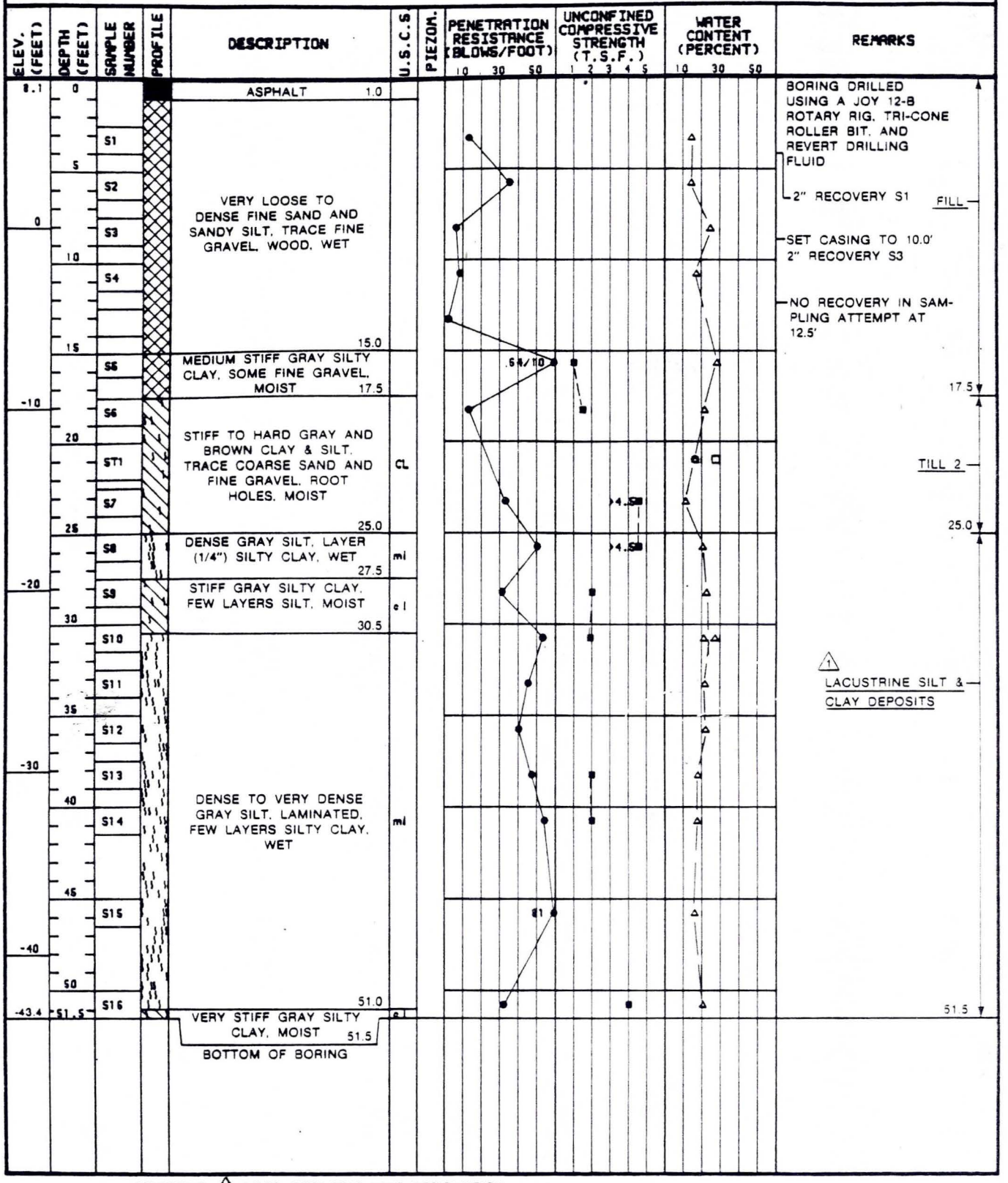
CT-7 COLLECTOR

M02J18.R0158

GROUND ELEV.: 8.1 | PROJECT ID.: C10A11E.GBT | BORING NO.: C10-11-CT7

NORTH COORD.: 380579 | FIELD ENG./GEO.: K.R. CHANG | DATE BEGAN: 10/28/1981

EAST COORD. : 2554104 | DRILLER: G. FUCHS | DATE COMPLETED: 10/29/1981



REVISIONS: 1 4-5-85, GEOLOGIC UNIT DESIGNATION REINTERPRETED FROM LACUSTRINE SAND & SILT TO SILT & CLAY

MMSD

FIGURE A-9

BORING LOG C10-11-CT7

CT-7 COLLECTOR

M02J18.R0342

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 9:00

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

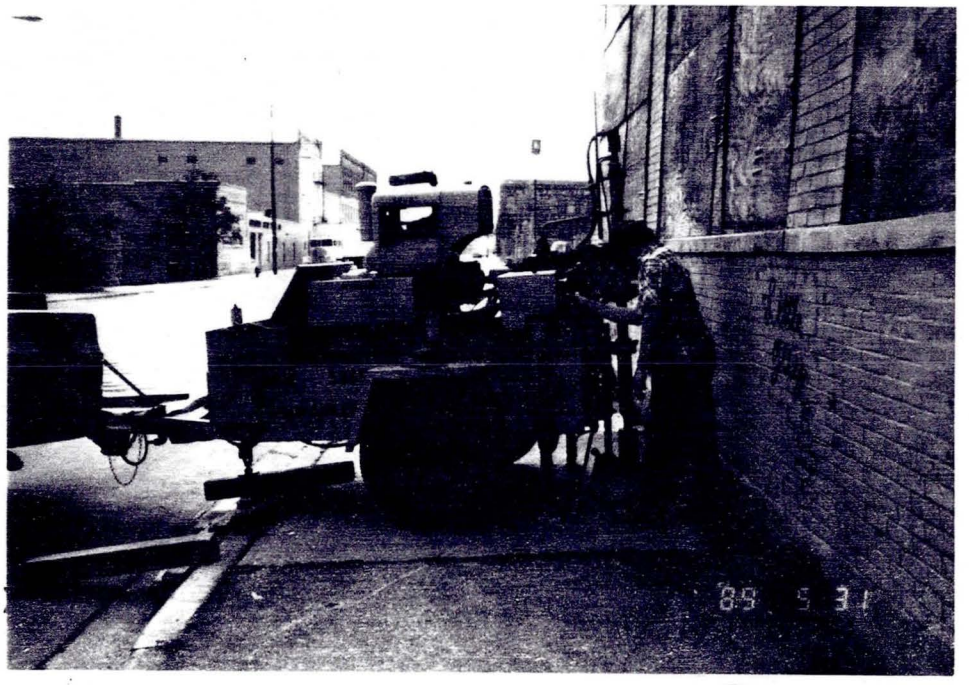
WEATHER warm
sunny

SITE Try-Chem

roll #1 frame #2

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
N.A.



DESCRIPTION: View of core drilling machine at sampling location S01

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 10:00

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

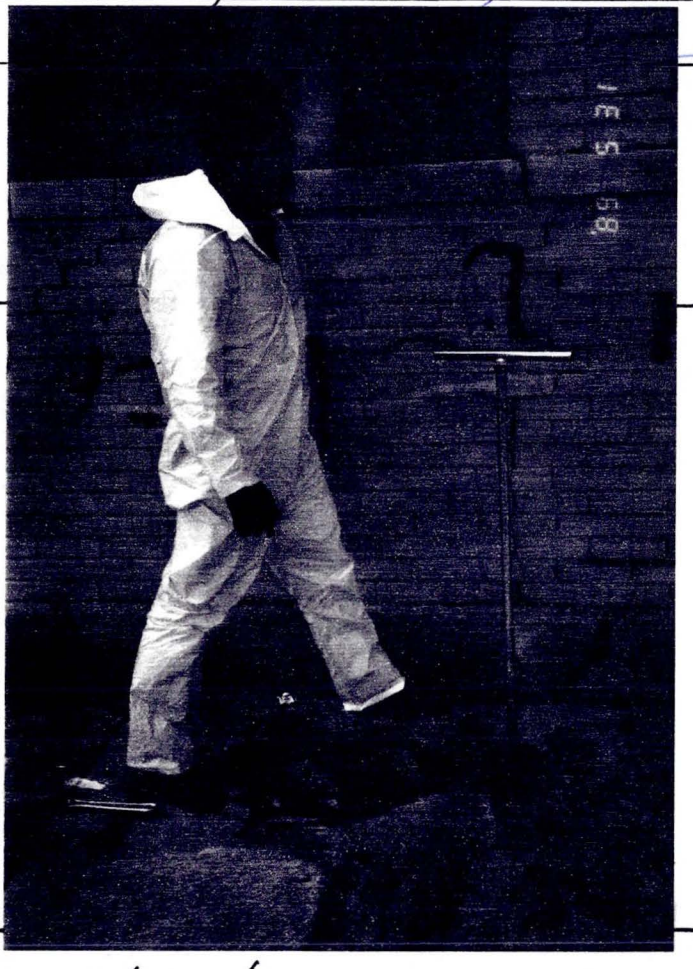
WEATHER warm
sunny

SITE Try-Chem

roll #1 frame #6

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
S01



DESCRIPTION: View of sample location after completion of boring with Stainless Steel Auger

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 10:35

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

WEATHER Warm
Sunny

SITE Try-Chem

Roll #1 frame # 7

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
SO2

DESCRIPTION: View of location of soil sample collected beneath concrete sidewalk.

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 11:12

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

WEATHER Warm
Sunny

SITE Try-Chem

Roll #1 frame # 10

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
N.A.

DESCRIPTION: View of North side of building showing location of soil samples SO1-SO3 (White stains at borings)

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 12:30

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

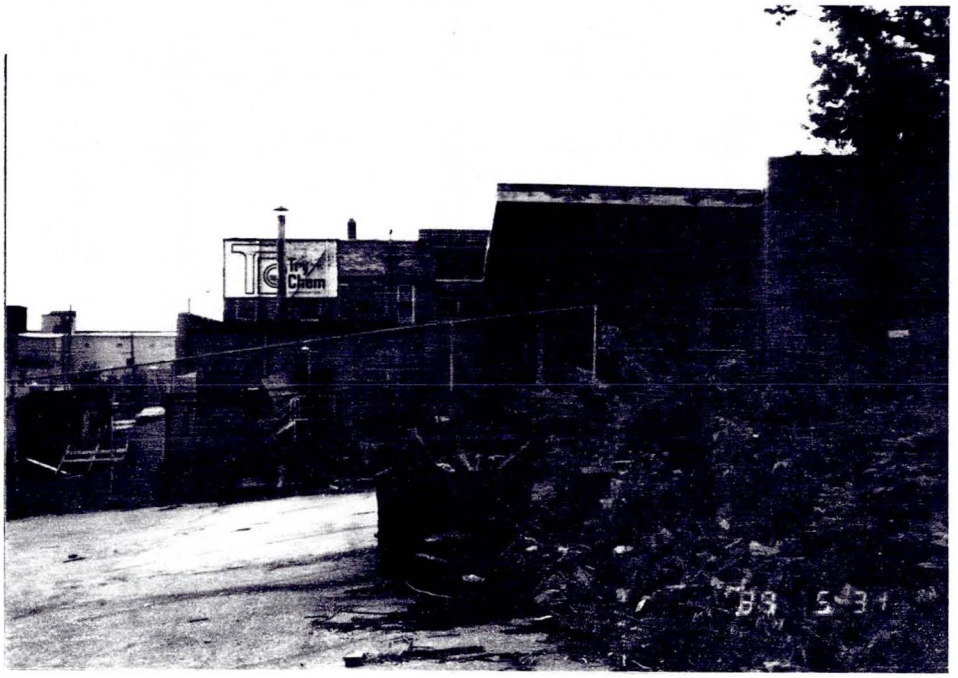
WEATHER Sunny
Warm

SITE Try-Chem

Roll #1 frame #11

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
N.A.



DESCRIPTION: View of West side of Try-Chem facility (background) foreground is a parking lot adjacent to site.

FIELD PHOTOGRAPHY LOG SHEET

DATE _____

TIME _____

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

WEATHER _____

_____

SITE _____

_____

PHOTOGRAPHED BY:

_____

SAMPLE ID# (if applicable)

_____

DESCRIPTION: _____

_____

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 12:36

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

WEATHER Sunny
Warm

SITE Try-Chem

~~TDD~~ # Roll #1 frame 12

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
S04

DESCRIPTION: foreground shows location of potential background surface soil sample

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 13:05

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

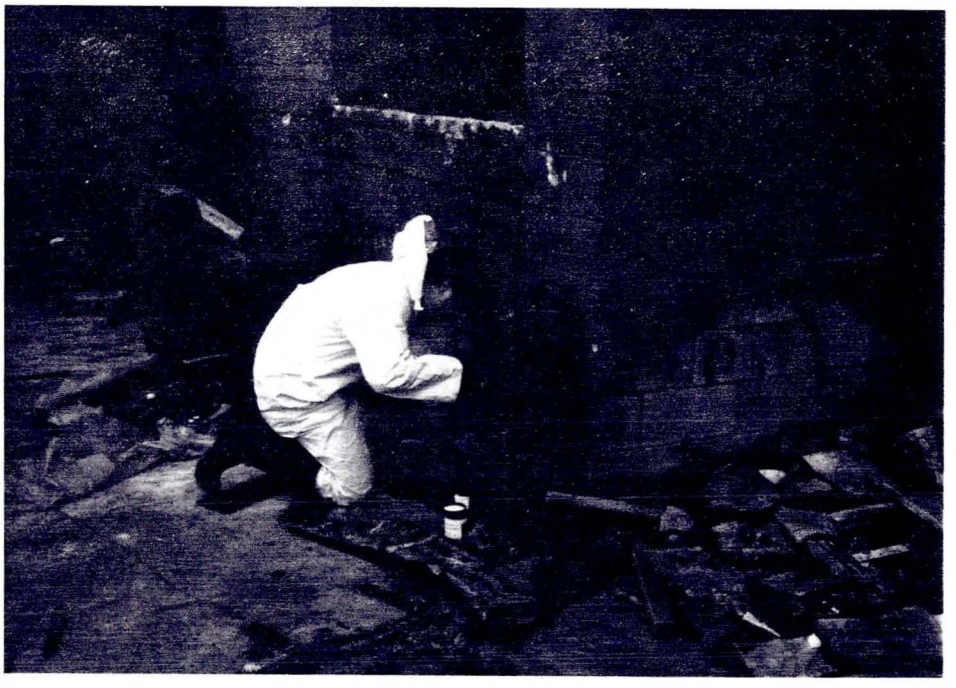
WEATHER Sunny
Warm

SITE Try-Chem

~~TDD~~ # Roll #1 frame # 13

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
S05



DESCRIPTION: Soil sampling location near North Central loading dock. Visible stained soil at location.

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 13:10

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

WEATHER Warm
Partly cloudy

SITE Try-Chem

~~TDD~~ # Roll #1 Frame # 14

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
S06

DESCRIPTION: Surface Soil sampling location near
southeast loading dock.

IELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 13:30

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

WEATHER Warm
Partly cloudy

SITE Try-Chem

~~TDD~~ # Roll #1 FRAME # 15

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
S07

DESCRIPTION: Foreground shows location of surface soil
Sample at Northeast property corner

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 13:40

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

WEATHER warm
overcast

SITE Try-Chem

~~TDD~~ # Roll #1 Frame #16

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
NA

DESCRIPTION: View of northeast corner of Try-Chem facility showing east loading dock area and Pierce ST.

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 13:45

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

WEATHER warm
overcast

SITE Try-chem

~~TDD~~ # Roll #1 Frame #18

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
N.A.

DESCRIPTION: View showing staining and dissolution of concrete at east loading dock area (close-up view)

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 13:45

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

WEATHER Warm
overcast

SITE Try-chem

~~TDD~~ # Roll #1 frame # 19

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
N.A.

DESCRIPTION: View of east loading dock area showing staining around doors and dissolution of building foundation

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 14:00

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

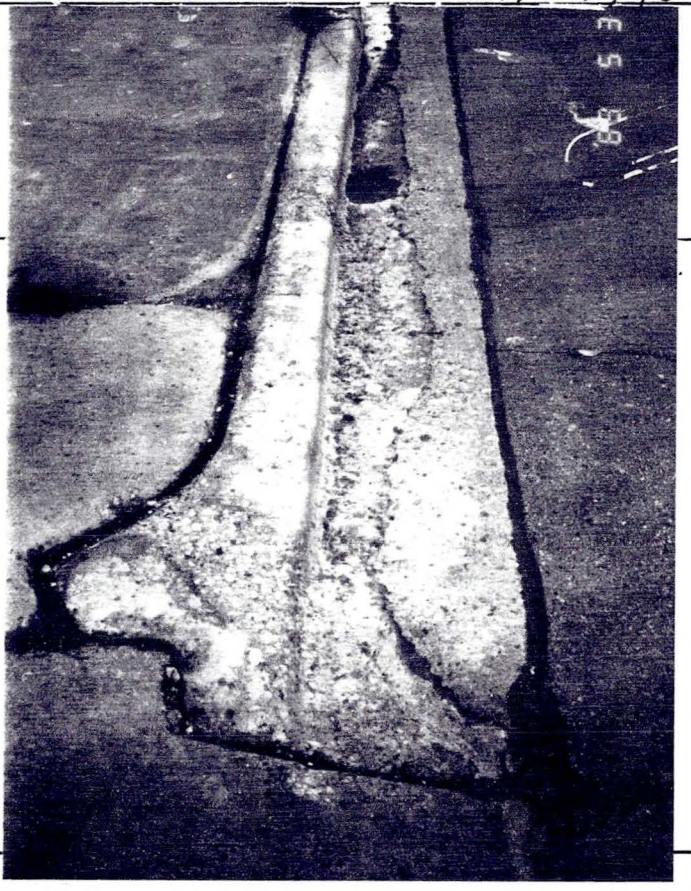
WEATHER warm
overcast

SITE Try-Chem

~~TDD~~ # Roll #1 frame # 20

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
N.A.



DESCRIPTION: View of Pierce St. curb and street gutter showing staining, etching, and dissolution of concrete

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 14:05

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

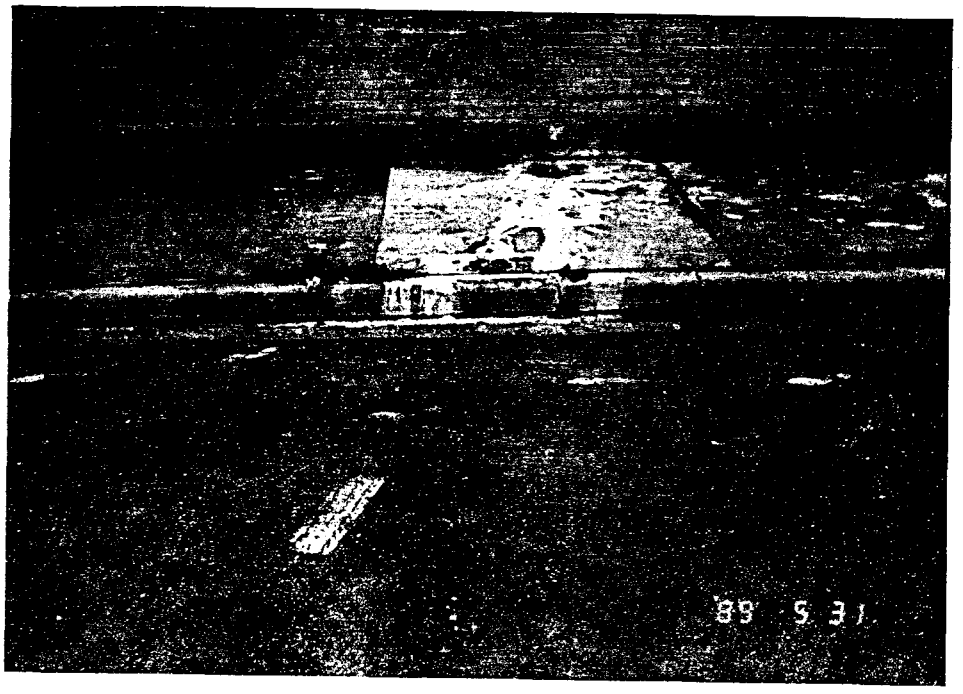
WEATHER Warm
overcast -

SITE Try-Chem

~~TDD #~~ Roll #1 frame # 22

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
S01



DESCRIPTION: View of soil sample location (background). Foreground shows crack below concrete curb caused by dissolution.

FIELD PHOTOGRAPHY LOG SHEET

DATE 5-31-89

TIME 14:05

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

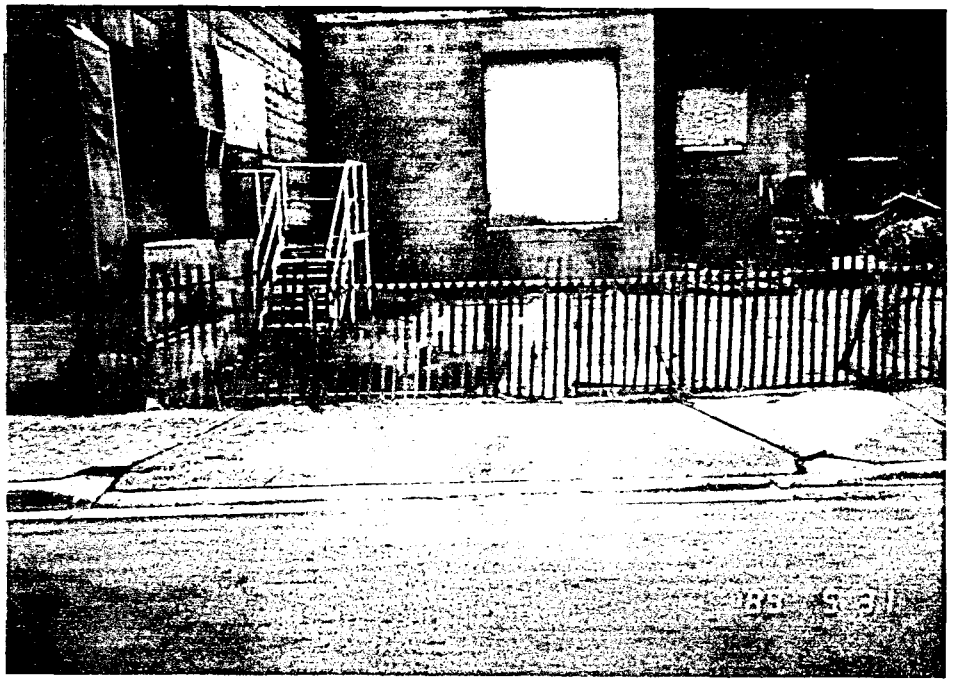
WEATHER Warm
overcast

SITE Try-Chem

~~TDD #~~ Roll #1 frame # 24

PHOTOGRAPHED BY:
J. Krahling

SAMPLE ID# (if applicable)
N.A.



DESCRIPTION: View of South central and South west loading dock (background). Storage area in foreground.