L197 030 5004 - Will County
Illiana Scrap Processing / Crete
ILD 984 791 673
Superfund - Technical Reports

CERCLA
Screening Site Inspection Report

Illinois Environmental Protection Agency
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TABLE OF CONTENTS

Section	Page
1. INTRODUCTION	1
2. SITE BACKGROUND	4
2.1 INTRODUCTION	4
2.2 SITE DESCRIPTION	4
2.3 SITE HISTORY	5
2.4 APPLICABILITY OF OTHER STATUTES	11
3. SCREENING SITE INSPECTION PROCEDURES AND OBSERVATIONS	13
3.1 INTRODUCTION	13
3.2 RECONNAISSANCE INSPECTION	13
3.3 SITE REPRESENTATIVE INTERVIEW	15
3.4 SOIL AND SEDIMENT SAMPLING	15
3.5 GROUNDWATER SAMPLING	17
3.6 WASTE MATERIAL SAMPLING	19
3.7 ANALYTICAL RESULTS	20
3.7.1 Groundwater Samples	
3.7.2 Soil, Sediment and Waste Samples	
3.8 KEY SAMPLES	24
4. IDENTIFICATION OF SOURCES	33
4.1 INTRODUCTION	33
4.2 FORMER RR YARD AREA SOILS	
4.2.1 Description	
4.2.2 Waste Characteristics	
4.2.3 Potentially Affected Pathways	
4.3 STORM SEWER SEDIMENTS	34
4.3.1 Description	
4.3.2 Waste Characteristics	
4.3.3 Potentially Affected Pathways	
4.4 ABANDONED INCINERATOR	35
4.3.1 Description	
4.3.2 Waste Characteristics	
4.3.3 Potentially Affected Pathways	
5. MIGRATION PATHWAYS	37
5.1 INTRODUCTION	37
5.2 GROUNDWATER PATHWAY	37
5.3 SURFACE WATER PATHWAY	38
5.4 AIR PATHWAY	39
5.5 SOIL EXPOSURE PATHWAY	41
6. BIBLIOGRAPHY	42

LIST OF FIGURES

Figure		Page
2-1	STATE OF ILLINOIS MAP	3
2-2	REGIONAL AREA MAP	6
2-3	LOCAL AREA MAP	12
3-1	SAMPLING LOCATION MAP	16

LIST OF TABLES

Table		Page
3-1	SUMMARY OF ANALYSES PERFORMED	18
3-2	KEY FINDINGS	28
5-1	GROUNDWATER TARGET POPULATIONS	38
5-2	AIR PATHWAY TARGET POPULATIONS	40
	SUMMARY OF SSI ANALYTICAL RESULTS	Appendix F

APPENDICES

VOLUME I - SCREENING SITE INSPECTION REPORT

A SITE 4-MILE RADIUS MAP and 15-MILE SURFACE WATER MAP

B U.S. EPA FORM 2070-13

C TARGET COMPOUND LIST

D SCREENING SITE INSPECTION PHOTOGRAPHS

E WELL LOGS

F SUMMARY OF ANALYTICAL RESULTS

VOLUME II - SCREENING SITE INSPECTION ANALYTICAL RESULTS

G TARGET COMPOUND LIST ANALYTICAL RESULTS

H 2,3,7,8-TCDD ANALYTICAL RESULTS

SECTION 1

INTRODUCTION

On September 24, 1991 the Illinois Environmental Protection Agency's (IEPA or Agency) Pre-Remedial Program was tasked by Region V of the United States Environmental Protection Agency (U.S. EPA) to conduct a Screening Site Inspection (SSI) of the Illiana Scrap Processing facility (formerly the site of Crete Metal Company and Faith Processing Company) near Crete, Illinois. The site was initially placed on the Comprehensive Environmental Response, Compensation and Liability Act Information System (CERCLIS) on August 29, 1990. This was the result of an anonymous complaint to IEPA's Division of Land Pollution Control which prompted the Agency to request the CERCLA discovery action. Several citizens' complaints to IEPA's Division of Air Pollution Control in 1980 prompted an earlier, rather large investigation headed by the IEPA.

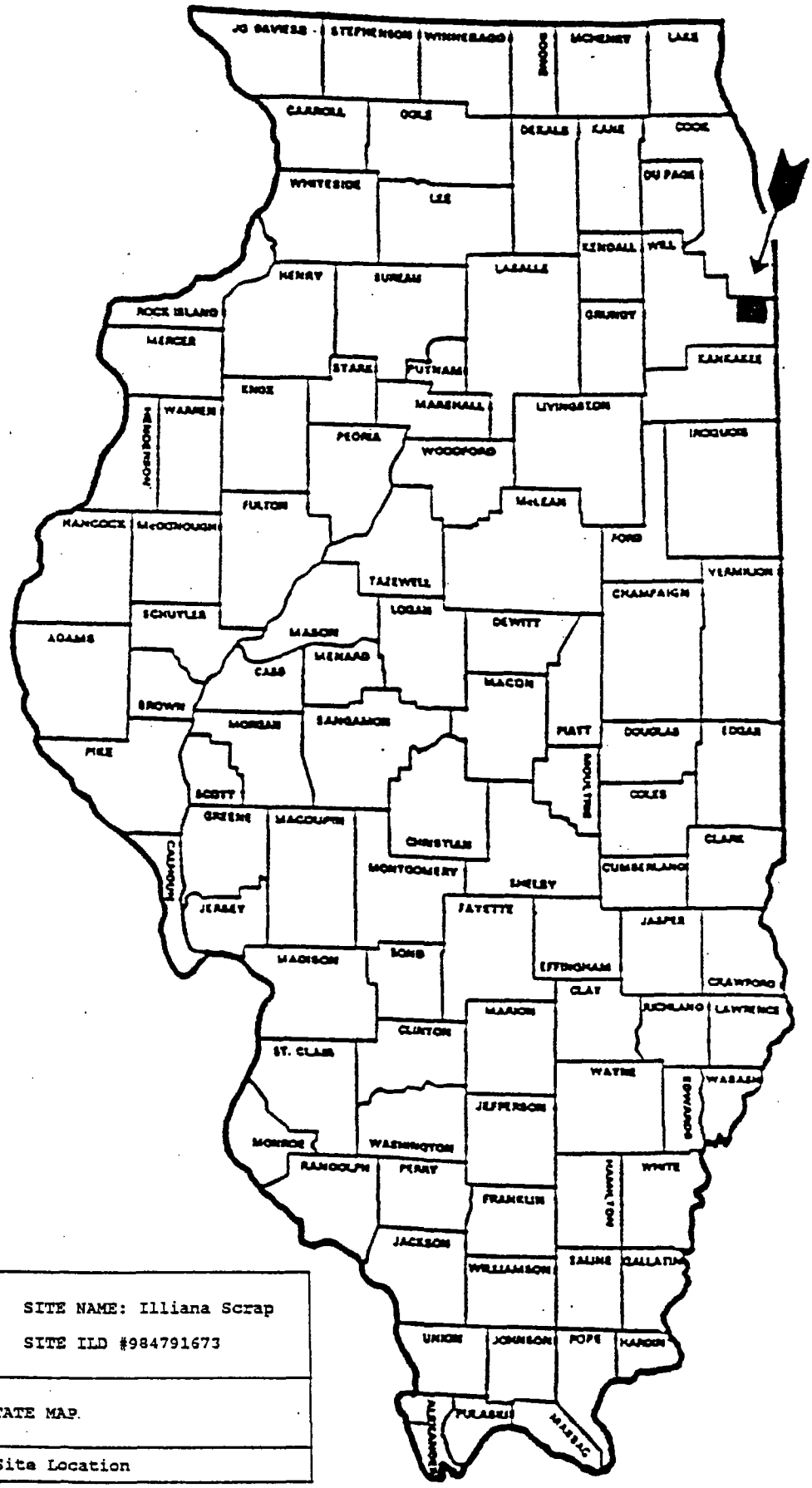
The initial CERCLA evaluation of the facility was an April, 1991 Preliminary Assessment (PA). To initiate the Screening Site Inspection, the IEPA Pre-Remedial Program prepared and submitted a "Screening Site Inspection Work Plan" for the Illiana Scrap Processing facility to Region V U.S. EPA on April 10, 1992. An on-site reconnaissance visit was conducted on April 14, 1992. The Screening Site Inspection field sampling visit was conducted on April 29, 1992. During this sampling visit, the IEPA sampling team collected a total of thirteen (13) soil/sediment/waste samples (including one duplicate) and four (4) groundwater samples (including one duplicate).

The purposes of a CERCLA Screening Site Inspection have 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 by another authority will receive a Listing SI (U.S.EPA 1988).

Region V U.S. EPA has also requested that the IEPA identify sites during the Screening Site Inspection that may require removal action to remediate an immediate human health or environmental threat.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	SITE NAME: Illiana Scrap SITE ILD #984791673
ILLINOIS STATE MAP	
LEGEND: Site Location	

SECTION 2

SITE BACKGROUND

2.1 INTRODUCTION

This section includes descriptive, historical, and regulatory information obtained over the course of the formal CERCLA Screening Site Inspection investigation and previous IEPA activities involving the Illiana Scrap Processing facility and companies which previously conducted operations at the site.

2.2 SITE DESCRIPTION

The Illiana Scrap Processing facility is owned and operated by Bob Bradley. Mr. Bradley has stated that he is purchasing the property from Dr. William Ricketts. Dr. Ricketts has not been contacted during this investigation. The twenty (20) acre parcel is located in the northwest quarter of the southwest quarter of Section 15, Township 34 North, Range 14 East of the Third Principal Meridian, Will County. The facility is located southeast of Crete, Illinois, just south of the former location of the community of Faithorn. It is approximately one (1) mile east of State Route 1 and less than one-quarter of a mile south of Burrville Road on the west side of State Street (refer to Figures 2-1, 2-2 and 2-3). A "4-Mile Radius Map" of the area surrounding the facility may be found in Appendix A of this report.

The facility is bordered on the north by land which is vacant with the exception of one residence; to the east by State Street with three residences on the east side; to the south by a vacant lot which contains overhead high voltage power lines and an inactive 300 feet deep water well; and to the west by commercial farmland. The majority of the acreage at the facility, especially the western half, was once occupied by a Chicago, Milwaukee, St Paul and Pacific Railroad railroad yard. The topography of the facility

and the surrounding area is relatively flat. The facility presently contains three structures which are used. The most noticeable is a large, blue pole barn. Just east of the pole barn are two house trailers, which serve as offices.

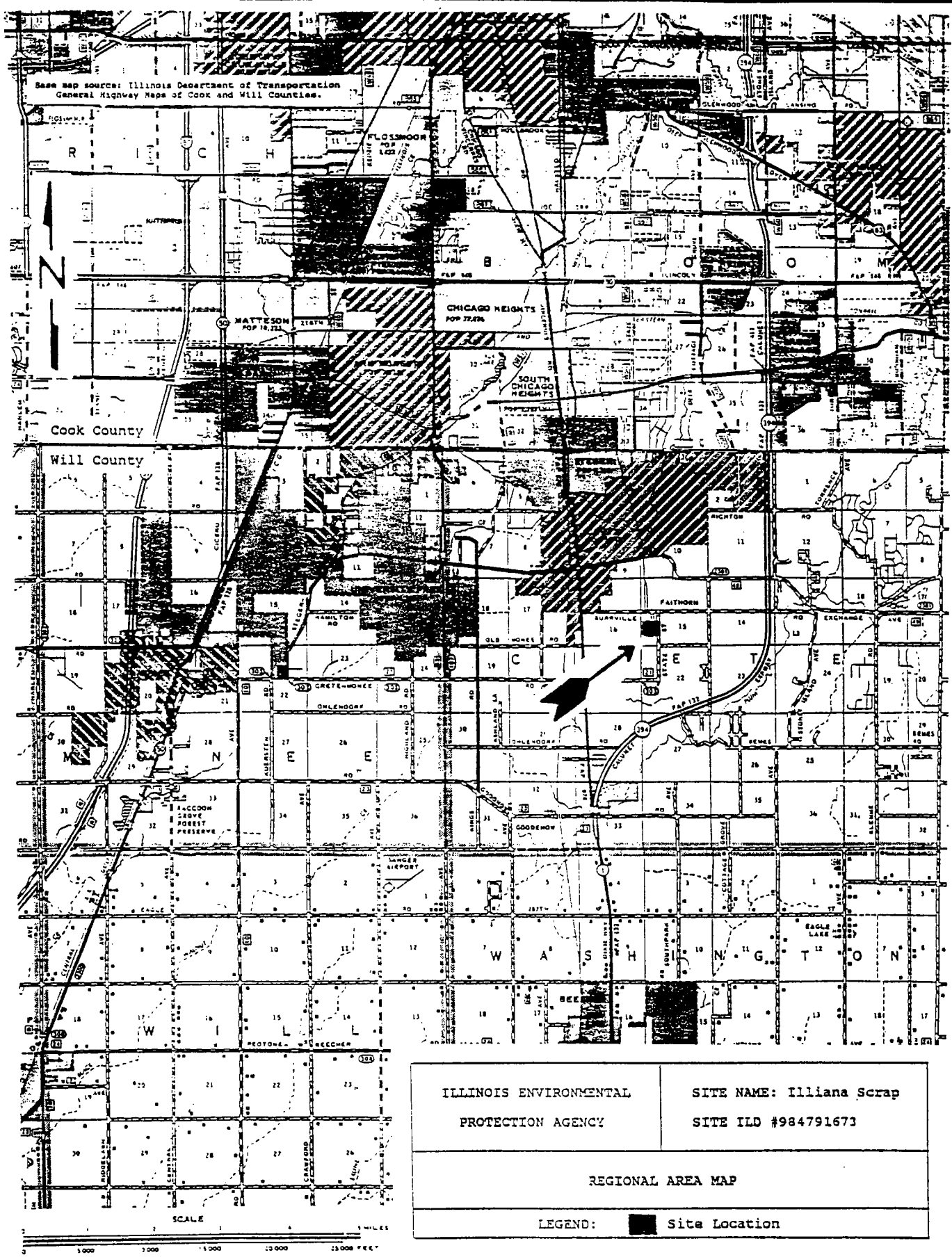
Illiana Scrap Processing is a recycling facility. The facility receives common recyclable waste materials from the local area and then ships them out in bulk form to be recycled. Some of the materials which they handle include aluminum, glass, plastic, cardboard, paper, and newspapers. (Illiana Scrap does not use any incinerators.)

2.3 SITE HISTORY

This section provides a brief, chronological history of the operations at the Illiana Scrap Processing facility including regulatory agency involvement. Additional, more extensive information may be found in the April, 1991 CERCLA Preliminary Assessment report.

It is suspected that the majority of the contamination and problems which may exist at this facility today are a direct result of actions which occurred under previous ownership. The IEPA's documentation of activities, or problems, at this facility began in 1976. The initial investigation of the site, prompted by citizens' complaints, was primarily conducted by the IEPA's Division of Air Pollution Control (DAPC) and later joined by the U.S. EPA.

Past activities associated with the use of on-site incinerators, initially by Faith Processing Company and then by Crete Metal Company, is believed to have contributed to documented contamination. The first permit for incineration at the site was granted by IEPA to Faith Processing Company on March 3, 1975 (February 28, 1980 expiration date). The application indicated that the incinerator (United Corporation model G466) was to be used for 10% paper, 40% rubber and plastics, and 50% copper by weight. It is interesting to note that a 1974 plat drawing from the Chicago, Milwaukee, St Paul and



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	SITE NAME: Illiana Scrap SITE ILD #984791673
REGIONAL AREA MAP	
LEGEND: ■ Site Location	

Pacific Railroad Company indicates a 700' x 700' parcel of property (11.25 acres) located 520 feet south of Faithorn Road (Burrville Road) as being "PROPERTY TO BE LEASED TO FAITH PROCESSING COMPANY For: the processing of zinc and copper."

In addition, October 24, 1974 records (log) of a private well drilled at the facility indicated Faith Processing owned and/or operated at the property.

Eighteen months after Faith Processing received their first permit for incineration, the first complaint of air pollution from the site was filed with the IEPA in September, 1976 by a nearby resident who was concerned about "odors from [the] plant created by burning causing difficulty in breathing and eye irritations in the neighborhoods." Following three IEPA visits to the site, no violations were noted and the complaint was attributed to open burning. A site visit to investigate an April, 1977 compliant of air emissions and open burning also yielded no violations.

During August, 1979 the operating permit for the (United G466) incinerator was renewed for Faith Processing (August 27, 1984 expiration date). Another complaint was received because of "Fumes from stack of plant...causing a sickening odor" which the complainant believed to be from wire reclamation. During a follow-up site visit, the IEPA learned that the facility was now owned by Crete Metal Company. The date which Crete Metal Company began operations at the facility is unknown. (Based on corporate information obtained from the Illinois Secretary of State's office, Faith Processing Co. was not dissolved until 1983. Based on the same records, it appears that Crete Metal Company was never incorporated in the state of Illinois.) During a September, 1979 IEPA follow-up visit, the permitted (United G466) incinerator was not in operation, however, an unpermitted (Joseph Goder 28-N) incinerator was being used for wire reclamation, and a third incinerator was under construction without the required

State permits. The (Joseph Goder 28-N) incinerator was never designed for wire reclamation operations. The IEPA described the violations in a warning letter issued to Crete Metal Company in September, 1979.

In November, 1979 IEPA received a several page complaint from a nearby resident complete with photos of emissions from the incinerators, a one month outline of burning at the facility, and 74 signatures of nearby residents. Based on the recent complaints and violations, including the two unpermitted incinerators, IEPA's Division of Air Pollution Control had earlier referred the matter to IEPA's Enforcement Section for legal action in October, 1979. The IEPA referred the case to the Illinois Attorney General's office in December, 1979.

During March, 1980 IEPA conducted several site visits (one of which included viewing six inch diameter cable which may have contained a PCB insulating fluid which the operator allowed to drain onto the ground prior to incinerating), received two separate complaints from the Will County Department of Public Health, interviewed several nearby residents who complained of odors and ill health (which they believed to be associated with the operation of the incinerators), collected soil samples from the facility and nearby residences (analytical results unavailable), and received (past due) incinerator construction applications from Crete Metal Company. During the site visits, it was learned that Furnace 1 (United G466) and Furnace 2 (unpermitted Goder 28-N) were used for copper wire reclamation, and Furnace 3 (unpermitted Universal Incinerator Corporation UC 1000) was used for photographic film silver reclamation. In addition, the Attorney General's office also received a letter from the supervisor of Crete Township urging that the pollution at Crete Metals be stopped. The filing of the incinerator construction applications were a rather moot point, because during a telephone conversation held the same date the IEPA received the applications, the

operator of the facility stated that he would shut down the incinerators the following day only after he had completed an order.

On April 1, 1980, the circuit court in Joliet upheld a temporary injunction for Crete Metal Company to cease operations. During April, 1980 IEPA held a meeting with medical experts to discuss possible health risks of individuals residing near the facility, an Industrial Hygienist with the U.S. Department of Labor visited the facility and reported that the plant operator had visible symptoms of "lead over-exposure", biological specimens from the area were collected for analyses, and the IEPA discovered a fourth incinerator (United Corporation model 3000) at the facility.

During May, 1980 the IEPA sampled six (6) private water wells near the facility. The IEPA's Division of Public Water Supplies reported that with the exception of iron and total dissolved solids "which were quite high in some samples," there were no values above the maximum contaminant level for public water supplies. In addition, the Will County Health Department's Director of Nursing informed IEPA of elevated levels of lead in the blood of a Crete Metal Company employee and his eleven (11) year old son. It is unknown whether this employee lived near the Crete Metal facility (or another potential source) at the time.

During late June and July, 1980 both State and U.S. EPA representatives obtained soil, sediment, and biological samples. The results of these analyses, too, are unavailable.

During December, 1980 the IEPA received an analytical report from the Midwest Center for Mass Spectrometry at the University of Nebraska-Lincoln which indicated tetrachlorodibenzodioxin (TCDD or dioxin) contamination in horse fat, stack #2, furnace #2 and a soil sample, all obtained from the Crete Metal Company facility and a nearby

stable. A technical article was published in the September/October 1981 issue of Archives of Environmental Health which described some of the poor health effects in the area of the Crete Metal Company facility.

During December, 1981 the IEPA received a complaint alleging that the facility was receiving drums without the proper manifests. No drums were discovered during a follow-up inspection. During a February, 1982 site visit the IEPA discovered that two of the incinerators (Joseph Goder 28-N and Universal UC 1000) had been removed from the premises. One inactive incinerator was still at the facility. It is unknown whether this was the United G466 or the United 3000 incinerator. In addition, no information regarding the status of the remaining incinerator (either the United 3000 or United G466, respectively) was documented.

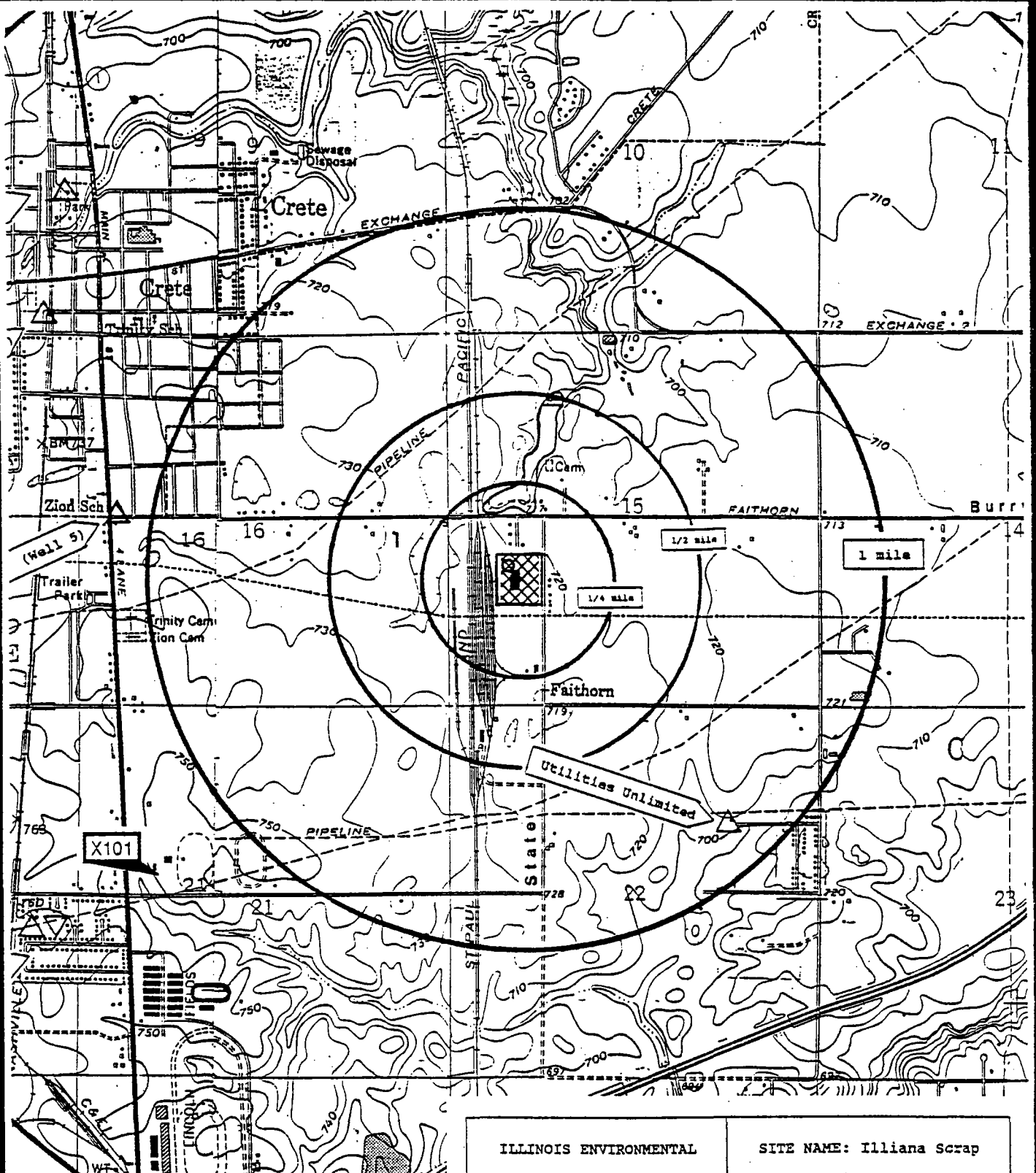
Based on corporate information obtained from the Illinois Secretary of State's office, Illiana Scrap Processing, Inc. was incorporated on February 7, 1984 and dissolved involuntarily on July 1, 1992 for failure to file an annual report and pay the franchise tax. As previously noted, IEPA received an anonymous complaint in May, 1990 which briefly described contamination at the facility and prompted the listing of the site on CERCLIS.

During November, 1990 the IEPA's Division of Land Pollution Control conducted a reconnaissance visit of the Illiana Scrap Processing recycling collection facility during the CERCLA Preliminary Assessment. During the visit, the IEPA discovered what appeared to be the furnace of an incinerator. During a brief search, no form of manufacturer or model description was found. The current facility operator appeared to be unaware of the severity of the historical problems at the site and stated that some of his employees had once built a fire with paper and cardboard in the abandoned furnace to

keep themselves warm during a cold day. Additional information regarding the reconnaissance visit is contained in Section 3.2 of this report.

2.4 APPLICABILITY OF OTHER STATUTES

This section provides information regarding the applicability of other environmental statutes to Illiana Scrap Processing. Based on available information, this site does not appear to fall within the jurisdiction of the Resources and Conservation Recovery Act (RCRA), the Atomic Energy Act (AEA), the Uranium Mill Tailings Radiation Control Act (UMTRCA), or the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).



Base map source: USGS 1953 Stager, Ill. and 1962 Dyer, Ill.-Ind. 7.5 minute Quadrangles. Both photorevised 1973.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	SITE NAME: Illiana Scrap SITE ILD #984791673
LOCAL AREA MAP	
LEGEND: Site Location	Public Water Wells

SECTION 3

SCREENING SITE INSPECTION PROCEDURES AND OBSERVATIONS

3.1 INTRODUCTION

This section outlines procedures utilized and observations made during the CERCLA Screening Site Inspection conducted at the Illiana Scrap Processing facility. Specific portions of this section contain information pertaining to the reconnaissance inspection, site representative interview, soil, sediment, groundwater and waste material sampling, decontamination procedures, and the associated analytical results. The CERCLA Screening Site Inspection for the Illiana Scrap Processing facility was conducted in accordance with the site inspection work plan which was developed and submitted to U.S. EPA Region V prior to the initiation of field sampling activities. The "Potential Hazardous Waste Site Inspection Report" (U.S. EPA Form 2070-13) for the Illiana Scrap Processing site is located in Appendix B of this report.

3.2 RECONNAISSANCE INSPECTION

A reconnaissance visit was conducted on April 14, 1992 by project manager Bruce Ford and Greg Dunn of IEPA's Bureau of Land. During this visit, nearby residents granted the IEPA permission to collect a background soil sample and all other soil and groundwater samples not located on the Illiana Scrap Processing property.

Bob Bradley, the president of Illiana Scrap Processing, was also interviewed during this visit. Mr. Bradley was provided with a copy of the Target Compound List and a map of the proposed sampling locations. The Agency representatives answered Mr. Bradley's questions and explained the purpose and potential results of the CERCLA Screening Site Inspection.

Mr. Bradley was very cooperative and answered all questions completely. The bulk of

the property, especially the western side of the property, was once used and developed as a railroad yard. Mr. Bradley noted that the property has not been occupied by a railroad for over thirty (30) years. He stated that the Illiana Scrap property consists of a 1320 feet (east-west) by 600 feet (north-south), approximately twenty (20) acre, parcel of land. He currently leases approximately one (1) acre, 219 feet by 219 feet parcel, in the southeastern corner of the Illiana Scrap Processing property for use as an automobile towing facility.

Mr. Bradley stated that when Illiana Scrap Processing began operations at the facility, circa 1984, a large forty (40) foot by 250 foot wooden structure, constructed by the railroad, occupied the central portion of the facility. This is the same structure in which Faith Processing Company and Crete Metal Company operated incinerators. The structure was destroyed by a fire, but the concrete floor/foundation still exists. The fifty (50) foot by seventy-five (75) foot Illiana Scrap Processing blue pole barn structure is located on the north end of the concrete floor of the original structure. An abandoned incinerator oven is located on the central to south end, western side, of the existing concrete floor. (It is not located in the blue building.) Mr. Bradley stated that he had once moved the abandoned oven approximately fifteen (15) feet north of the location it occupied when Illiana Scrap Processing began operations.

During a brief walk around the property to identify potential sampling locations, Mr. Bradley showed Mr. Ford and Mr. Dunn the location of the storm sewer outlet along the north side of Burrville (Faithorn) Road on/near residential property. In addition, some waste brick material used as fill was noted at the facility. Mr. Bradley stated that the brick had come from Owens-Illinois' Chicago Heights plant. He also stated that the brick had been analyzed before he received it. Following the reconnaissance visit, Mr. Bradley provided the Agency with a copy of the analysis (for

TCLP metals) which indicated the brick was not hazardous.

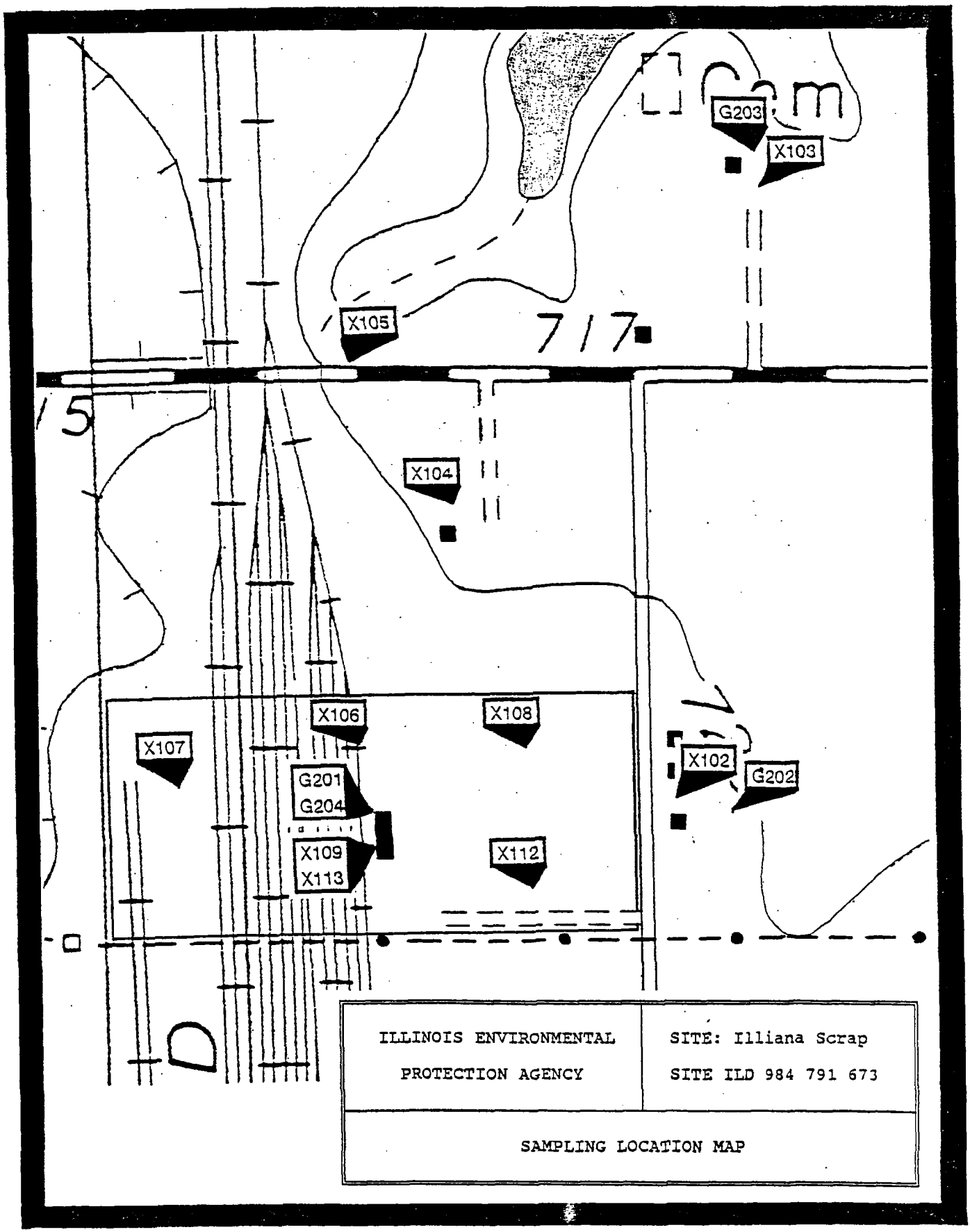
3.3 SITE REPRESENTATIVE INTERVIEW

Prior to the reconnaissance visit, the Agency mailed a March 31, 1992 letter to Mr. Bob Bradley, the president of Illiana Scrap Processing, which provided notification of the upcoming CERCLA Screening Site Inspection sampling activities. The bulk of the site representative interview was actually conducted during the April 14, 1992 reconnaissance inspection and was previously described in Section 3.2 of this report.

3.4 SOIL AND SEDIMENT SAMPLING

IEPA personnel (B. Ford, G. Dunn, and A. Kirwin) collected a total of ten (10) soil samples (including one duplicate) and one (1) sediment sample on April 29, 1992 to determine if Target Compound List parameters or other previously identified contaminants were present at the Illiana Scrap Processing facility or nearby targets of concern. Figure 3-1 is a map indicating the location from which each soil sample was obtained (refer to Figure 2-3 for the location of background sample X101). Table 3-2 summarizes the depth from which each soil sample was obtained, the physical appearance, and the location of each sampling point with reference to nearby stationary landmarks. The shallow soil samples were collected with stainless steel spoons and the deeper soil samples were collected with stainless steel bucket or mud augers, all of which had been properly decontaminated at IEPA's warehouse. The soil was transferred from the sampling device directly into IEPA sample jars supplied by IEPA's Contract Laboratory Program. Mr. Bradley elected not to collect split samples.

The IEPA soil and sediment sample bottles were packaged and sealed in accordance with previously documented Agency Pre-Remedial Program procedures. The IEPA samples were analyzed for Target Compound List parameters by the Agency's organic and



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	SITE: Illiana Scrap SITE ILD 984 791 673
SAMPLING LOCATION MAP	

inorganic laboratories. Selected samples were analyzed for 2,3,7,8-tetrachlorodibenzo-dioxin (TCDD) by TMS Analytical Services, Inc., Indianapolis, Indiana, a U.S. EPA Contract Laboratory Program (CLP) laboratory. A copy of the Target Compound List and photographs of the Screening Site Inspection field activities are provided in Appendices C and D of this report, respectively. Table 3-1 provides a summary of the analyses performed on each sample.

Standard IEPA decontamination procedures were followed prior to the collection of all soil/sediment samples. The procedures, performed at the IEPA warehouse, included the steamcleaning of all equipment (spoons, trowels, bucket and mud augers, extensions and handles, etc.), scrubbing with a non-foaming Trisodium Phosphate (TSP) or a liquid Alconox solution, rinsing with hot tap water, rinsing with acetone, rinsing again with hot tap water, final rinsing with distilled water, and air dried, respectively. All equipment was then wrapped and stored in heavy duty aluminum foil prior to transporting to the field.

3.5 GROUNDWATER SAMPLING

IEPA personnel also collected four (4) groundwater samples (including one duplicate) on April 29, 1991 to determine if contaminants identified at the Illiana Scrap Processing facility were present in the groundwater or aquifer utilized by either the facility or nearby private potable groundwater wells, i.e., targets of concern. The residences located to the north and east of the Illiana Scrap Processing facility are served by private water wells. The nearest utilized private well is located on the operating portion of the Illiana Scrap Processing facility. Figure 3-1 indicates the locations of each of the three private wells which were sampled.

The wells were purged prior to sampling. Temperature, pH, and specific conductivity

readings were obtained during and following purging. The groundwater samples were collected directly into sterile "pre-filtration" sampling bottles provided by the IEPA's Contract Lab Program. A Masterflex pump was then utilized to pass the water through a Gelman Sciences GWV in-line 45 um filter directly into sterile sampling bottles provided by the IEPA's Contract Lab Program. Preservatives were added to the appropriate inorganic sample bottles immediately after each bottle was filled. Mr. Bradley elected not to collect split samples of any groundwater samples.

Table 3-1
Summary of Analyses Performed

Sample	Target Compound List	2,3,7,8-TCDD
G201	X	-
G202	X	-
G203	X	-
G204	X	-
[Dup of G201.]		
X101	X	-
X102 (E01)	X	X
X103 (E02)	X	X
X104 (E03)	X	X
X105	X	-
X106	X	-
X107	X	-
X108 (E04)	X	X
X109 (E05)	X	X
X110 (E06)	-	X
X111 (E07)	-	X
X112 (E08)	X	X
X113 (E09)	X	X
[Dup of X109 (E05).]		

The IEPA groundwater sample bottles were packaged and sealed in accordance with previously documented Agency Pre-Remedial Program procedures. The IEPA samples

were analyzed for Target Compound List parameters by the Agency's organic and inorganic laboratories. A copy of the Target Compound List and photographs of the Screening Site Inspection field activities are provided in Appendices C and D of this report, respectively. Table 3-1 provides a summary of the analyses performed on each sample.

As previously noted, the groundwater samples were collected directly into the sample bottles. A new in-line filter and "pre-filtration" sampling bottles were used for each groundwater sample. The Masterflex pump and tygon tubing were decontaminated by flushing them with several volumes of de-ionized water following the collection of each groundwater sample.

3.6 WASTE MATERIAL SAMPLING

IEPA personnel also collected two (2) waste material, or ash, samples on April 29, 1992 to determine if previously identified contaminants, i.e., dioxins, were present in an abandoned incinerator oven and its appurtences located at the facility. The waste material, or ash, samples were collected with stainless steel spoons or trowels, all of which had been properly decontaminated at IEPA's warehouse. The material was transferred from the sampling device directly into IEPA sample jars supplied by IEPA's Contract Laboratory Program. Mr. Bradley elected not to collect split samples.

The IEPA soil and sediment sample bottles were packaged and sealed in accordance with previously documented Agency Pre-Remedial Program procedures. The IEPA samples were analyzed for 2,3,7,8-tetrachlorodibenzodioxin (TCDD) by TMS Analytical Services, Inc., Indianapolis, Indiana, a U.S. EPA Contract Laboratory Program (CLP) laboratory. Photographs of the Screening Site Inspection field activities are provided in Appendix D of this report. Table 3-1 provides a summary of the analyses performed on

each sample.

Standard IEPA decontamination procedures were followed prior to the collection of all waste material samples. The procedures are identical to those described previously in Section 3.4 of this report.

3.7 ANALYTICAL RESULTS

This section provides a summary of the analytical results of samples collected during the CERCLA Screening Site Inspection conducted at the Illiana Scrap Processing facility.

3.7.1 Groundwater Samples

Laboratory analyses of the four (4) groundwater samples obtained from the three (3) private wells sampled by IEPA personnel during the inspection revealed one (1) tentatively identified semi-volatile organic compound in one well and common inorganic parameters. Appendix F (second volume of this report) contains the validated laboratory data package and a table summarizing the data.

Groundwater sample G201 and duplicate sample G204 were collected from the private water well located on the Illiana Scrap Processing property. The well is located at the northwest corner of the existing blue building at the facility. Groundwater sample G202 was collected from the private well located on residential property approximately 200 feet east of the facility. Groundwater sample G203 was collected from the private well located on residential property less than 1500 feet northeast of the facility. Groundwater sample G204 was a field duplicate of groundwater sample G201, collected for quality control and quality assurance purposes.

Due to the wells' construction, the field sampling team was unable to obtain water level

readings of the wells completed in the shallow Niagaran limestone to determine a hydraulic gradient. Since the direction of groundwater flow in the area is unknown, none of the three wells sampled was necessarily considered to be a "background", or upgradient.

The following observations were made about the inorganic analytical data. The concentrations of iron and manganese in groundwater sample G202 were more than three (3) times the concentration of iron and manganese, respectively, in sample(s) G201 (and duplicate G204). The concentrations of sodium in groundwater samples G201 (and duplicate G204) and G202 were more than three (3) times the concentration of sodium in sample G203. The analytical results of the groundwater samples will be forwarded to the Illinois Department of Public Health's Division of Environmental Health for thorough review, and responses will be provided to the respective owners/users of the private wells.

3.7.2 Soil, Sediment and Waste Samples

Laboratory analyses of the ten (10) soil, one (1) sediment, and two (2) waste samples collected by IEPA personnel during the inspection revealed dioxin, volatile organic compounds (VOCs), semi-volatile organic compounds (base/neutral/acids), pesticides, and inorganic parameters. Appendices F and G (second volume of this report) contain the validated laboratory data package and tables summarizing the data.

Background soil sample X101 was collected from a farm, located approximately 1.1 miles southwest of the Illiana Scrap Processing facility. The location was chosen for two reasons: it was predominantly upwind of the facility, i.e., not within the radius of influence, and, according to plat maps, was the same soil type as that native to the Illiana Scrap Processing facility, Beecher silt loam with Ashkum silty clay loam in nearby, low

lying areas. The methylene chloride concentration may be attributable as being a laboratory artifact. Several of the analytical values also contained qualifiers. This soil sample is considered to be the background sample for all applicable soil samples collected.

Soil sample X102 (E01) was collected from the residential property located just east of the facility to determine if any hazardous substances have migrated from the facility onto the nearby residential property. (Note: "E01" is the soil sample's designation used by the U.S. EPA CLP laboratory which performed the analysis for 2,3,7,8-TCDD.) One volatile organic compound (VOC), thirteen (qualified) semi-volatile organic compounds (SVOCs), four (including two qualified) pesticides, and standard inorganic parameters were detected in the soil sample. 2,3,7,8-TCDD (dioxin) was not detected in the soil sample. Refer to Section 3.8 of this report for a discussion of the compounds which were detected at significant concentrations over background.

Soil sample X103 (E02) was collected from the residential property, located less than 1500 feet northeast of the facility, to determine if any hazardous substances have migrated from the facility onto the residential property. One (qualified) VOC, two (qualified) pesticides, and standard inorganic parameters were detected in the soil sample. Dioxin was not detected in the soil sample. None of the compounds contained in this sample were detected at significant concentrations over background (refer to Section 3.8).

Soil sample X104 (E03) was collected from an area located just north of the facility, to determine if any hazardous substances have migrated from the facility onto the nearby property. Two (including one qualified) VOCs, four (qualified) SVOCs, two (including one qualified) pesticides, and standard inorganic parameters were detected in the soil

sample. Dioxin was not detected in the soil sample. Refer to Section 3.8 of this report for a discussion of the compounds which were detected at significant concentrations over background.

Sediment sample X105 was collected a storm sewer outlet north of the facility to determine the presence of hazardous substances which may have migrated from the facility into the system. The origin of the storm sewer system is unknown but it does flow northward underneath the site. (No background sample upstream of the facility was collected.) It was reportedly built by the railroad which once owned most of the area. Five (including two qualified and one qualified TIC) VOCs, twelve (qualified) SVOCs, six (qualified) pesticides, one qualified polychlorinatedbiphenyl (PCB), and six inorganic parameters with elevated concentrations were detected in the sample. Refer to Section 3.8 of this report for a discussion of the compounds which were detected at significant concentrations over background.

Soil samples X106 - X109, X112, and X113 were collected from various areas of the facility to determine the presence of hazardous substances which have migrated or may migrate from the facility to nearby targets. Soil samples X106, X107, X108 (E04), and X112 (E08) were collected from the northern end, the western side, the northeast quarter, and the southeast quarter of the facility, respectively. Soil sample X109 (E05), and duplicate sample X113 (E09), were collected from an active area of the facility just west of the former location of the incinerators near the concrete base of the original building. VOCs, SVOCs, pesticides, (qualified) PCBs, and inorganic parameters with elevated concentrations were detected in the soil samples. Dioxin was not detected in these soil samples. Refer to Section 3.8 of this report for a discussion of the compounds which were detected at significant concentrations over background in each sample.

Waste/ash samples X110 and X111 were collected from the oven and the smokestack base, respectively, of the abandoned incinerator which remains at the facility in order to determine the presence of hazardous substances which have migrated or may migrate from the facility to nearby targets. Note that waste/ash samples X110 (E06) and X111 (E07) were analyzed exclusively for 2,3,7,8-TCDD, or dioxin. Dioxin was detected in one of the waste/ash samples. Refer to Section 3.8 of this report for a discussion of the compounds which were detected at significant concentrations over background in each sample.

3.8 KEY SAMPLES

The purpose of this section is to provide information on "key samples", or analytical data obtained during the Screening Site Inspection which indicates observed contamination or meets the HRS definition of an observed release. Table 3-2, "Key Findings", provides a summary of those samples collected during the CERCLA Screening Site Inspection and the corresponding analytical data which meet these criteria. The criteria used to determine what may be considered a "significant" concentration or an observed release was based on U.S. EPA CERCLA Hazard Ranking System (HRS) guidance.

Analysis of background soil sample X101 did not indicate any significant concentrations of organic compounds. (As noted earlier, the methylene chloride is attributed as a laboratory artifact.) With the exception of magnesium, the concentrations of the inorganic parameters were within standard ranges. The source of excessive magnesium concentration in this sample is unknown but may be connected to operations at the stables. One theory is that magnesium rich dolomite may have been used on nearby roads or driveways or it may have been actually applied to the soil as a replacement for lime. (A representative of the stable has not yet been contacted to verify this.)

Illiana Scrap Processing – ILD 984 791 673

Table 3–2
Key Findings

Sample	Depth	Appearance	Location	Compound(s)	Concentration	Background Concentration	Background Sample
X101	1" – 4"	Brown silty loam	Background soil sample.	Not Applicable (NA)	NA	NA	NA
X102 (E01)	0" – 4"	Black silty loam	Resident east of facility	Heptachlor epoxide Dieldrin 4,4'–DDT	3.8 ug/kg 5.8 ug/kg 6.2 P ug/kg	2.3 U ug/kg 2.2 JPug/kg 4.6 U ug/kg	X101
X103 (E02)	1" – 3"	Dark Brown silty loam with some sand.	Resident northeast of facility.	None "significant"	NA	NA	NA
X104 (E03)	1" – 6"	Dark brown silty loam.	Resident north of facility.	Dieldrin 4,4'–DDT	120 P ug/kg 7.4 ug/kg	2.2 JPug/kg 4.6 U ug/kg	X101

Table 3–2
Key Findings
(continued)

Sample	Depth	Appearance	Location	Compound(s)	Concentration	Background Concentration	Background Sample
X105	0" – 30"	Thick, black clayish sediment. Strong asphalt–like odor noted. Oily sheen created when sediments were disturbed.	Resident north of facility.	2–Butanone (MEK)	58 ug/kg	13 U ug/kg	X101
				Fluorene	4800 J ug/kg	460 U ug/kg	
				Heptachlor	11 P ug/kg	2.3 U ug/kg	
				Aldrin	36 P ug/kg	2.3 U ug/kg	
				Dieldrin	13 JP ug/kg	2.2 JP ug/kg	
				Endosulfan II	20 JP ug/kg	4.6 U ug/kg	
				4,4'–DDD	14 JP ug/kg	4.6 U ug/kg	
				Aroclor–1221	600 P ug/kg	92 U ug/kg	
				Cadmium	4.4 mg/kg	0.64 U mg/kg	
				Copper	663 mg/kg	21.0 mg/kg	
				Lead	132 mg/kg	34.0 mg/kg	
				Mercury	0.71 mg/kg	0.06 B mg/kg	
				Selenium	1.82 mg/kg	0.64 UJ mg/kg	
				Zinc	484 mg/kg	89.2 mg/kg	
X106	0" – 5"	Black silty clay Organic decay smell noted by sampler.	Illiana Scrap Processing facility. Ditch lacaoted at northern end of the facility, centrally located east–west. Sampled approx. 83'N of the southern end of the ditch.	Phenanthrene	730 ug/kg	460 U ug/kg	X101
				Fluoranthene	790 ug/kg	300 J ug/kg	
				Chrysene	790 ug/kg	110 J ug/kg	
				Indeno(1,2,3–cd)py	460 ug/kg	460 U ug/kg	
				Aldrin	5.0 P ug/kg	2.3 U ug/kg	
				Dieldrin	550 P ug/kg	2.2 JP ug/kg	
				Endrin	14 P ug/kg	4.6 U ug/kg	
				4,4'–DDD	20 P ug/kg	4.6 U ug/kg	
				Aroclor–1254	170 P ug/kg	46 U ug/kg	
				Cadmium	1.1 mg/kg	0.64 U mg/kg	
				Copper	70.8 mg/kg	21.0 mg/kg	
				Lead	162 mg/kg	34.0 mg/kg	

Table 3–2
Key Findings
(continued)

X107	6" – 8"	Black fill material, fine–grained with some cinders present.	Illiana Scrap Processing facility. Former RR property at west half of facility. Approx. 40' N of blue bldg. and 250' E of western boundary of property.	Methylene Chloride	330	ug/kg	100	ug/kg	X101
				TIC:Ethyl Ether (CAS 60–29–3)	23 JN	ug/kg	--	ug/kg	
				2–Methylnaphthalene	5900	ug/kg	460 U	ug/kg	
				Phenanthrene	9200	ug/kg	460 U	ug/kg	
				Benzo(b)fluoranthene	5000	ug/kg	150 J	ug/kg	
				delta–BHC	12 JP	ug/kg	2.3 U	ug/kg	
				gamma–BHC (Lindane)	9.1 JP	ug/kg	2.3 U	ug/kg	
				Heptachlor	120 P	ug/kg	2.3 U	ug/kg	
				Aldrin	16 P	ug/kg	2.3 U	ug/kg	
				Heptachlor epoxide	49 P	ug/kg	2.3 U	ug/kg	
				Endosulfan I	16 P	ug/kg	2.3 U	ug/kg	
				Dieldrin	460 P	ug/kg	2.2 JP	ug/kg	
				Endrin	25 P	ug/kg	4.6 U	ug/kg	
				4,4'–DDD	71	ug/kg	4.6 U	ug/kg	
				Cadmium	1.50	mg/kg	0.64 U	mg/kg	
				Zinc	370	mg/kg	89.2	mg/kg	
X108 (E04)	0" – 6"	Black silty loam (small worms present)	Illiana Scrap Processing facility. Wooded area at NE quarter. Just S of northern property boundary and just W of densely wooded area.	Dieldrin	170	ug/kg	2.2 JP	ug/kg	X101
				Endosulfan II	4.7	ug/kg	4.6 U	ug/kg	
				4,4'–DDT	6.9 P	ug/kg	4.6 U	ug/kg	

Table 3–2
Key Findings
(continued)

X109 (E05)	0" – 4"	Black fill/slag material	Illiana Scrap Processing facility. Active portion of facility SW of blue bldg. 12' W of original bldg. concrete floor/foundation and 126'6" S of blue bldg.	Methylene Chloride	490		ug/kg	100	ug/kg	X101
				TIC:Ethyl Ether (CAS 60–29–3)	17	JN	ug/kg	--	ug/kg	
				Benzo(b)fluoranthene	5000		ug/kg	150	J ug/kg	
				Heptachlor	90	P	ug/kg	2.3	U ug/kg	
				Aldrin	14	P	ug/kg	2.3	U ug/kg	
				Heptachlor epoxide	46	P	ug/kg	2.3	U ug/kg	
				Endosulfan I	17	P	ug/kg	2.3	U ug/kg	
				Dieldrin	620	P	ug/kg	2.2	JP ug/kg	
				Endrin	23	P	ug/kg	4.6	U ug/kg	
				4,4'–DDD	76	P	ug/kg	4.6	U ug/kg	
				Endosulfan sulfate	54	P	ug/kg	4.6	U ug/kg	
				gamma–Chlordane	16	P	ug/kg	2.3	U ug/kg	
				Cadmium	2.3		mg/kg	0.64	U mg/kg	
				Copper	716		mg/kg	21.0	mg/kg	
				Lead	455		mg/kg	34.06	mg/kg	
				Sodium	593		mg/kg	150	B mg/kg	
				Zinc	1460		mg/kg	89.2	mg/kg	
X110 (E06)	NA	Ash material	Abandoned incinerator oven at Illiana Scrap Processing facility.	2,3,7,8–TCDD	0.39		ug/kg	NA		NA
X111 (E07)	NA	Ash material with some green coloring, also red, brown, and gray.	Abandoned incinerator smokestack base at Illiana Scrap Processing facility.	None	NA			NA		NA

Table 3–2
Key Findings
(continued)

X112 (E08)	0" – 4"	Black silty loam	Illiana Scrap Processing facility. Weeded area at SE quarter. Just W of the towing yard. 159'6" N & 123' E of NEc of Com. Ed. power line structure.	Dieldrin	270	ug/kg	2.2 JP	ug/kg	X101
X113 (E09)	(Duplicate of X109.) (Duplicate of E05.)			Methylene Chloride	520	ug/kg	100	ug/kg	X101
				TIC:Ethyl Ether (CAS 60–29–3)	18 JN	ug/kg	--	ug/kg	
				Chrysene	2300 J	ug/kg	110 J	ug/kg	
				Benzo(b)fluoranthene	5000	ug/kg	150 J	ug/kg	
				Endosulfan I	12 P	ug/kg	2.3 U	ug/kg	
				Dieldrin	390 P	ug/kg	2.2 JP	ug/kg	
				Endosulfan II	43 P	ug/kg	4.6 U	ug/kg	
				Endrin aldehyde	43 P	ug/kg	4.6 U	ug/kg	
				Aroclor–1254	370 P	ug/kg	46 U	ug/kg	
				Cadmium	2.7	mg/kg	0.64 U	mg/kg	
				Copper	933	mg/kg	21.0	mg/kg	
				Iron	82300	mg/kg	24100	mg/kg	
				Lead	1237	mg/kg	34.06	mg/kg	
				Selenium	1.45	mg/kg	0.64 UJ	mg/kg	
				Zinc	1870	mg/kg	89.2	mg/kg	

Residential soil sample X102 (E01) contained significant concentrations of three pesticides: heptachlor epoxide, dieldrin and 4,4'-DDT. Compared to background sample X101, no significant concentrations of VOCs, SVOCs, PCBs, or inorganic parameters were detected.

Residential soil sample X103 (E02) did not contain significant concentrations of organic or inorganic Target Compound List parameters compared to background sample X101.

Soil sample X104 (E03) contained significant concentrations of two pesticides: dieldrin and 4,4'-DDT. Compared to background sample X101, no significant concentrations of VOCs, SVOCs, PCBs, or inorganic parameters were detected.

Storm sewer sediment sample X105 contained significant concentrations of one VOC, one SVOC, five pesticides, one PCB, and six inorganic parameters, compared to the background concentrations of sample X101. Four of the inorganic parameter concentrations, cadmium, copper, mercury and zinc, exceeded published common ranges for soils (Lindsay, 1979).

On-site soil sample X106 contained significant concentrations of four SVOCs, four pesticides, one PCB, and three inorganic parameters, compared to the background concentrations of sample X101. One inorganic parameter concentration, cadmium, exceeded published common ranges for soils (Lindsay, 1979).

On-site soil sample X107 contained significant concentrations of two VOCs (including one TIC), three SVOCs, nine pesticides, and two inorganic parameters, compared to the background concentrations of sample X101. The two inorganic parameter

concentrations, cadmium and zinc, exceeded published common ranges for soils (Lindsay, 1979).

On-site soil sample X108 (E04) contained significant concentrations of three pesticides compared to the background concentrations of sample X101. No significant concentrations of VOCs, SVOCs, PCBs, or inorganic parameters were detected.

On-site soil sample X109 (E05) contained significant concentrations of two VOCs (including one TIC), one SVOC, nine pesticides, and five inorganic parameters, compared to the background concentrations of sample X101. Four inorganic parameter concentrations, cadmium, copper, lead, and zinc, exceeded published common ranges for soils (Lindsay, 1979). Sample X113 is a field duplicate of X109, i.e., refer to comments on sample X113 contained later in this section.

On-site waste/ash sample X110 (E06), analyzed exclusively for 2,3,7,8-TCDD, did contain a reportable, significant concentration of dioxin. No "background" samples were analyzed for the non-naturally occurring dioxin. Since dioxin was not detected in any of the other samples, they may be likened to backgrounds. However, sample X110 (E06) was obtained from waste material for the purposes of characterizing the waste and attributing any compound(s) detected in the waste sample to the site, therefore, comparison to a background is not essential.

On-site waste/ash sample X111 (E07), analyzed exclusively for 2,3,7,8-TCDD, did not contain a reportable concentration of dioxin.

On-site soil sample X112 (E08) contained a significant concentration of one pesticide, compared to the background concentrations of sample X101. No significant

concentrations of VOCs, SVOCs, PCBs, or inorganic parameters were detected.

On-site soil sample X113 (E09), a field duplicate of sample X109 (E05), also contained significant concentrations of two VOCs (including one TIC), two SVOCs, four pesticides, one PCB, and six inorganic parameters, compared to the background concentrations of sample X101. Four inorganic parameter concentrations, cadmium, copper, lead and zinc, exceeded published common ranges for soils (Lindsay, 1979). It should be noted that the following compounds were detected at significant concentrations in sample X113 but not in sample X109: endosulfan II, endrin aldehyde, Arochlor-1254, and iron. The following compounds were detected at significant concentrations in sample X109 but not in field duplicate sample X113: heptachlor, heptachlor epoxide, endrin, 4,4'-DDD, endosulfan sulfate, gamma-chlordane, and Arochlor-1232.

SECTION 4

IDENTIFICATION OF SOURCES

4.1 INTRODUCTION

This section describes the various sources of hazardous waste which have been identified during the CERCLA site investigation. Information concerning the size, volume, and waste composition of each source has been collected during the Preliminary Assessment and this Screening Site Inspection. It should be noted that sources and the area defined as the site are subject to change. Due to the limited scope of this SSI, the possibility exists that further investigation and/or sampling of the facility could reveal additional information that would further characterize the sources, or perhaps lead to the identification of additional sources.

Many of the soil samples obtained from both the Illiana Scrap Processing facility and the surrounding area contained noteworthy concentrations of several Target Compound List pesticides. The source of these pesticides is unknown, but may be related to weed and insect control at the former railroad yard. Several of these pesticides are known to remain detectable in the soil several years after application. It is unknown whether pesticide containers have ever been recycled at the Illiana Scrap Processing facility or a previous occupant of the property. Following an initial review of the SSI analytical results by the IEPA's Office of Chemical Safety, the concentrations of the pesticides detected during the Screening Site Inspection do not appear to warrant excess concern. However, the analytical results will be forwarded to the Illinois Department of Public Health for an in-depth review and formal response.

4.2 FORMER RAILROAD YARD AREA SOILS

4.2.1 Description

Based on the analytical results of soil samples X106, X107, and X109 (duplicate X113), collected during the Screening Site Inspection, the soils on the western one-half of the facility appear to be contaminated by semi-volatile organic compounds and metals. These contaminants are being attributed to the operations at the former railroad yard which once occupied the western side of the twenty (20) acre facility. According to a 1962 U.S.G.S. 7.5 minute quadrangle map, the railroad yard was greater than 4000 feet long (north-south) and more than 700 feet wide (east-west).

4.2.2 Waste Characteristics

The Screening Site Inspection analytical results indicated that this source area is contaminated primarily with semi-volatile organic compounds and metals. Although the railroad yard once occupied more than sixty (60) acres, the three samples collected during the Screening Site Inspection only define an area of less than four (4) acres.

4.2.3 Potentially Affected Migration Pathways

The soil contamination in the former railroad yard area could potentially effect all four pathways. The groundwater pathway is potentially at threat due to the presence of the semi-volatile organic compounds. The surface water pathway, overland flow route, is also potentially at threat (refer to section 4.3 of this report). The soil exposure pathway is, obviously, of concern since the contaminants are within the upper one (1) foot of the soil. The air pathway is also of concern due to the potential distribution of contaminated soil in the form of wind-blown particulate matter. In addition, the area is sparsely vegetated in most areas.

4.3 STORM SEWER SEDIMENTS

4.3.1 Description

Based on the analytical results of soil/sediment sample X105, collected during the

Screening Site Inspection, the soils/sediments deposited near the outfall of the storm sewer are contaminated with volatile and semi-volatile organic compounds, PCBs, and metals. The extent of the storm sewer is unknown. However, it is known to lie below the facility, flow northward, and was reportedly constructed by the railroad company which once owned the property. The contaminants in this source are being attributed to the operations at the former railroad yard (refer to section 4.2 of this report).

4.3.2 Waste Characteristics

The Screening Site Inspection analytical results indicated that this source area is contaminated primarily with volatile and semi-volatile organic compounds, PCBs, and metals. Since only one sample was obtained from this source during the Screening Site Inspection, an area or volume is unknown. However, the sediments which surely exist in the storm sewer system probably contain, at a minimum, contaminants similar to those found in soil/sediment sample X105.

4.3.3 Potentially Affected Migration Pathways

The soil/sediment contamination at the storm sewer outfall could potentially effect all four pathways. The groundwater pathway is potentially at threat. The surface water pathway, overland flow route, is certainly at a threat since the source material is present in an intermittent stream. (A steady stream of water was flowing from the storm sewer system during the collection of sample X105.) The soil exposure pathway is of concern since the contaminants are within the upper one (1) foot of the soil/sediment. The air pathway is also of concern due to the potential distribution of contaminated soil in the form of wind-blown particulate matter during times when no flow exits from the storm sewer system. When not covered by water, the source material contains no vegetation.

4.4 ABANDONED INCINERATOR

4.4.1 Description

An abandoned, inoperable incinerator is located on the concrete floor/foundation which was formerly the site of a large, wooden railroad company structure. This abandoned incinerator, which was located at the site when Illiana Scrap Processing began operations at the facility, is presumed to be a remnant of the Faith Processing Company and/or Crete Metals Company.

4.4.2 Waste Characteristics

Waste sample X110 (E06), obtained from the oven of the abandoned incinerator during the SSI, contained 0.39 ug/kg of 2,3,7,8-TCDD (dioxin). While the magnitude of this concentration is not overwhelming, the presence of this highly toxic form of dioxin does warrant attention. The volume of the ash material in the abandoned incinerator is unknown, but estimated to be less than four (4) cubic yards.

4.4.3 Potentially Affected Migration Pathways

While the ash in the abandoned incinerator is not contained in a secure vessel, the threat to groundwater and surface water is unlikely. The properties of the ash and the contaminant were also considered in formulating this threat. The release of contaminated ash into the air pathway as windblown particulate poses a real threat, particularly to the workers at the site. The threat of the workers, or others, coming into dermal contact with the contaminated ash in the abandoned incinerator, i.e., soil exposure pathway, may be even a greater threat than contact with windblown particulate contaminants.

SECTION 5

MIGRATION PATHWAYS

5.1 INTRODUCTION

This section includes data and information which may be useful in analyzing the impact of the Illiana Scrap Processing site on the four migration pathways identified in the CERCLA Hazard Ranking System (HRS). The four migration pathways are groundwater, surface water, air, and soil exposure.

5.2 GROUNDWATER PATHWAY

Based on the analytical results of the three private well samples, no release of hazardous substances to the aquifer of concern located in the upper Niagaran limestone is suspected. According to well logs contained in Appendix E, the Niagaran limestone bedrock is 68 feet deep at the Illiana Scrap Processing facility. The Illiana Scrap Processing private water well, from which groundwater samples G201 and duplicate G204 were obtained, is located at the northwest corner of the blue pole barn structure. This, of course, is the nearest utilized groundwater well. The residential well, from which groundwater sample G202 was obtained, is located approximately 200 feet east of the facility. The residential well, from which groundwater sample G203 was obtained, is located less than 1500 feet northeast of the facility. No groundwater wells are known to exist within one-quarter of a mile west or south of the facility. In addition, no information is known concerning the groundwater gradient(s) of the area.

The nearest public water supply (PWS) well is located over three-quarters of a mile southeast of the Illiana Scrap Processing facility. Twenty-two (22) active PWS wells serve more than 26,000 people within four (4) miles of the site. Please refer to Table 5-1 for detailed groundwater target information.

None of the sources at the site lie within a (Public Water Supply) Wellhead Protection Area. Also, no karst topography is known to exist in the general area. A detailed description of the subsurface geology of the area may be found in the CERCLA Preliminary Assessment report for the site.

Table 5-1

Groundwater Target Populations

Distance Ring (miles)	Population Served by: Private Wells	PWS Wells	Totals
0 - 1/4	20	--	20
>1/4 - 1/2	45	--	45
>1/2 - 1	156	100	256
>1 - 2	871	3,150	4,021
>2 - 3	2,158	8,160	10,318
>3 - 4	6,784	15,273	22,057
			36,717

5.3 SURFACE WATER PATHWAY

Surface water runoff from the site flows northward toward Burrville (Faithorn) Road. (Appendix A of this report contains a "15-Mile Surface Water Map".) The runoff then enters an intermittent stream and flows northward to an unnamed pond (PPE). Surface water flows from the pond northward in an unnamed perennial waterway to Deer Lake. From Deer Lake, the surface water flows northward in Deer Creek and then Thorn Creek.

Some surface water runoff from the facility also flows into a storm sewer system which was reportedly constructed several years ago by the railroad which once occupied the

property. The extent of the storm sewer system which flows toward the north is unknown. It is likely that it extends to the south beyond the Illiana Scrap Processing property. The outlet of the storm sewer is located along the north side of Burrville (Faithorn) Road. Soil/sediment sample X105 was collected immediately downstream of this outlet. Based on the analytical results of sediment sample X105, the release of hazardous substances to the storm sewer is evident. Based on the analytical results of samples X106, X107, X109 (and duplicate X113), and X112, it is likely that at least a portion of the storm sewer contamination originated at the facility - most likely the former railroad yard (at the western portion) and/or the current and/or former operations located (at the central portion of the facility).

According to a Federal Emergency Management Agency National Flood Insurance Program Flood Insurance Rate Map, the facility lies outside of the 100-year flood boundary. The presence of a 500-year flood boundary is unknown and therefore, assumed to be absent. Based on IEPA data, there are no known surface water intakes within fifteen miles downstream (of the PPE) of the site. Therefore, there is little or no threat to the surface water drinking water pathway. Fisheries are located downstream of the site and the storm sewer outlet, therefore, the site presents a threat to the surface water human foodchain pathway. Sensitive environments located downstream of the site include several wetlands which border Deer Lake, Deer Creek, and Thorn Creek with a total of approximately 19.6 miles of frontage along the surface water pathways. Approximately 3.1 miles of wetland frontage is along the surface water pathway with a flowrate of less than ten (10) cubic feet per second, and approximately 16.5 miles of wetland frontage is along the surface water pathway with a flowrate of ten (10) to one-hundred (100) cubic feet per second.

5.4 AIR PATHWAY

As previously described in Section 2.3 of this report, the initial IEPA involvement at this facility was a result of citizens' complaints of potentially harmful air emissions from Faith Processing Company and subsequent complaints against Crete Metal Company. IEPA files contain qualitative documentation of the former release of particulate contaminants (smoke) from the site. While no quantitative sampling to document the release of hazardous substances to the air pathway was ever performed, the dioxin samples collected in 1980 from incinerator "furnace #2" and "stack #2" indicate that an airborne release occurred. Again, it should be noted that an incinerator has not been operated at the facility since 1980 when Crete Metal Company ceased operations.

Based on the analytical results of the samples collected during this SSI, the current potential for windblown particulates to carry contaminants off-site is likely since contaminants are present in top six inches of soil and the operating portion of the facility contains little vegetative cover and vehicles at the site routinely stir up dust. Similarly, the western portion of the facility which was formerly a railroad yard also contains rather sparse vegetation and may be a source for windblown, contaminated particulates (dust).

Table 5-2

Air Pathway Target Populations

Distance from Site (miles)	Population
On-site (workers)	6
>0 - 1/4	20
>1/4 - 1/2	45
>1/2 - 1	573
>1 - 2	4,527
>2 - 3	9,778
>3 - 4	14,546
Total:	29,495

Current targets for the air pathway include twenty (20) people who reside within 1/4

mile of the facility. This does not include the six people employed at the Illiana Scrap Processing facility. As shown in Table 5-2, above, a total of over 29,000 people reside within four miles of the site. Targets also include six (6) acres of wetlands within 1/4 mile of the site and sixteen (16) acres of wetlands between 1/4 mile and 1/2 mile of the site.

5.5 SOIL EXPOSURE PATHWAY

The analytical data generated during this SSI indicates that the soil at the facility and some of the surrounding area contains contaminants. The soils contaminated with volatile and semi-volatile organic compounds and metals appear to be limited to the central and western portions of the facility and are being attributed primarily to operations associated with the former railroad yard operations.

The site is readily accessible with the exception of a barrier (steel cable) which exists at the entrance to the facility to deter automobile traffic. There are no other man-made barriers to deter access around the facility. The site is not used for any recreational purpose, although, based on conversations with a nearby resident, portions of the facility are used for rabbit hunting.

Three residences exist within 200 feet of the facility. According to U. S. Department of Interior Fish and Wildlife Service National Wetlands Inventory maps, a small (less than one-half acre) palustrine wetland exists at the northeast portion of the facility, very near the location of end sample X105.

SECTION 6

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APPENDIX A

Site 4-Mile Radius Map
and
15-Mile Surface Water Map

SDMS US EPA Region V

Imagery Insert Form

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4-MILE RADIUS MAP & 15-MILE SURFACE WATER ROUTE MAP

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APPENDIX B

U. S. EPA Form 2070-13

Site Inspection Report

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D 984 791 673

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Illiana Scrap Processing	1722 State Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST.
Crete	IL	60417	Will	197	02

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
41 25 58.0	087 36 34.0	■ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION (MONTH DAY YEAR)	02 SITE STATUS	03 YEARS OF OPERATION (BEGINNING YEAR / ENDING YEAR)
4 29 92	■ ACTIVE ☐ INACTIVE	1974 / NA ___ 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.
Bruce M. Ford	Env. Protection Engineer	Illinois EPA	(217) 782-6760

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Gregory W. Dunn	Env. Protection Specialist	Illinois EPA	(217) 782-6760
Al Kirwin	Env. Protection Specialist	(formerly) Illinois EPA	( ) NA
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Bob Bradley	President/Owner	1722 State St. Crete, IL	(708) 672-5590
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	On-site 9:25A-3:15P	Cool (40's to low 60's), wind from south, mostly cloudy.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Alan Altur	U.S. EPA Region V	( )

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE (MONTH DAY YEAR)
Bruce M. Ford	IEPA	State of Illinois	217/782-6760	09 22 92

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D984791673

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS NA

CUBIC YARDS unknown

NO. OF DRUMS NA

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

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

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	2-Butanone (MEK)			58.	mg/kg
	Fluorene			4800.	mg/kg
OCC	Aroclor-1221			600.	mg/kg
OCC	Aroclor-1254			370.	mg/kg
	2-Methylnaphthalene			5900.	mg/kg
	Phenanthrene			9200.	mg/kg
	Benzo(b)fluoranthene			5000.	mg/kg
	Chrysene			2300.	mg/kg
MES	Cadmium			4.5	mg/kg
MES	Copper			933.	mg/kg
MES	Lead			1237.	mg/kg
MES	Mercury			0.71	mg/kg
MES	Selenium			1.82	mg/kg
MES	Zinc			1870.	mg/kg
	Flouranthene			790.	mg/kg
	2,3,7,8-TCDD		Abandoned incinerator	0.39	mg/kg

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

EPA

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

I. IDENTIFICATION

01 STATE: IL | 02 SITE NUMBER: D984791673

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 321 w/in 1 mile
04 NARRATIVE DESCRIPTION
Private wells in the area utilize the upper Niagaran limestone. Sources at the site are not contained. The potential for groundwater contamination exists. The groundwater samples collected during the ESI do not indicate groundwater contam.

01 ■ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown
04 NARRATIVE DESCRIPTION
Surface water contamination has not been documented. Based on the results of sediment sample X105, the potential for surface water contamination exists. Surface water downstream of the site is used as a fishery. No surface water intakes are known to exist within 15 miles downstream of the PPE.

01 ■ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 644 w/in 1 mile
04 NARRATIVE DESCRIPTION
No air monitoring to verify complaints of previous air contamination has occurred. Prior to and during 1980, the operation of incinerators for wire reclamation is believed to have emitted contaminants to the air pathway. The results of SSI soil samples, plus visual observations indicate the potential for windblown particulate/contaminated soil exists.

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

01 ■ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown
04 NARRATIVE DESCRIPTION
Soil samples obtained during the SSI indicate contaminants present within the upper one foot of soil. The potential for direct contact or exposure by the soil exposure pathway exists.

01 ■ F. CONTAMINATION OF SOIL — 02 ■ OBSERVED (DATE: 4/29/92) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: approx. 10+ (Acres)
04 NARRATIVE DESCRIPTION
The analyses of soil samples obtained during the SSI indicate contaminants present in the soil.

01 ■ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 321 w/in 1 mile
04 NARRATIVE DESCRIPTION
Groundwater in the upper Niagaran dimestone is used for drinking water. Refer to item "A", above.

01 ■ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: approx. 6
04 NARRATIVE DESCRIPTION
Workers may be subject to direct contact or air contaminants. Refer to items "E" and "C" above, respectively.

01 ■ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
The groundwater, surface water, air, and soil exposure pathways are all potentially at risk. Refer to items "A", "B", "C", and "E" above, respectively.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IC	D984791673

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

NA

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

NA

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

The surface waters located downstream of the PPE are fisheries. Refer to item "B" on the previous page.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

NA

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

NA

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

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

NA

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

Refer to the Bibliography in Section 6 of the SSI Report.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
FL	D984791673

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	NA			
☐ B. UIC	NA			
■ C. AIR	see "comments"	3-03-75 & 8-79	2-28-80 & 8-27-84	Refer to IEPA/Air file # 197801AAC ↳ "Crete Metals"
☐ D. RCRA	NA			
☐ E. RCRA INTERIM STATUS	NA			
☐ F. SPCC PLAN	NA			
☐ G. STATE (Specify)	NA			
☐ H. LOCAL (Specify)	NA			
☐ I. OTHER (Specify)	NA			
☐ J. NONE	NA			

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT	NA	
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- ■ A. INCENERATION — Formerly
- ☐ 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

06 AREA OF SITE
unknown (Acres)
(Present facility occupies 20 acre parcel.)

07 COMMENTS

Note that the source(s) at this site consists of soil which became contaminated a number of years ago. The present occupant of the property does not generate, treat, store, or dispose of hazardous wastes or materials.

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.

NA

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ■ YES ☐ NO

02 COMMENTS

The area(s) of soil contamination is easily accessible.

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

Refer to Bibliography in Section 6 of the SSI Report.

Also refer to the Illinois EPA Bureau of Air files, #197 801 AAC "Crete Metals" for permitting information.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D984791673

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL	02 STATUS: ENDANGERED	AFFECTED	MONITORED	03 DISTANCE TO SITE
COMMUNITY	A. ☐	B. ■	A. ☐	B. ☐	C. ☐	A. ≈0.8 (mi)
NON-COMMUNITY (private)	C. ☐	D. ■	D. ☐	E. ☐	F. ☐	B. -0- (mi) (on-site)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

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

02 POPULATION SERVED BY GROUND WATER 321 w/in 1 mile; 36,777 w/in 4 miles

03 DISTANCE TO NEAREST DRINKING WATER WELL (on-site) -0- (mi)

04 GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
_____ (ft)	unknown	≈ 68 (ft)	unknown (gpd)	☐ YES ☐ NO

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

Private wells are completed in the upper Niagaran limestone bedrock which is 68 feet deep in the well at the site. Unconsolidated glacial drift overlies the bedrock.

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ☐ NO	COMMENTS unknown	☐ YES ☐ NO	COMMENTS unknown but unlikely

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
Unnamed pond located on Don Lange's property (PPE) and stream	☐	≈1500' downstream ~~(mi)~~
Deer ~~Creek~~ Lake	☐	1.6 mi downstream of PPE ~~(mi)~~
Deer Creek	☐	2 mi downstream of PPE ~~(mi)~~
Thorn Creek		

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. 644 NO. OF PERSONS	B. 5171 NO. OF PERSONS	C. 14949 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: <200 ft ~~(mi)~~

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: unknown

04 DISTANCE TO NEAREST OFF-SITE BUILDING: <200 ft. ~~(mi)~~

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

The site itself is located in a rural setting. It is located less than one mile from the city of Crete, Illinois which is the southern limit of a rather large urban area.

EPA

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

I. IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: D984791675

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

unknown ☐ 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
approx. 68 (ft)	unknown (ft)	unknown

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
approx. 4 (in)	approx. 2.4 (in)	-0- %	NA	NA %

09 FLOOD POTENTIAL (Not in 100-yr floodplain.)
SITE IS IN unknown YEAR FLOODPLAIN

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

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A. NA (mi)
OTHER: B. 0.2 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

unknown/NA (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. approx. 1 (mi)	B. <200 ft	C. unknown (mi)	D. -0- (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site itself is located on property which was formerly a railroad yard. Therefore, the facility is flat and level. Reportedly, when the railroad developed the yard area, they installed storm sewers and a relatively impermeable clay base which the site now rests on. If the clay base does exist, the clay would basically act as a hydro-geologic cap preventing water (and contaminant) infiltration. In addition to the site itself, the rest of the surrounding area is naturally, relatively flat with no large outstanding topographical features.

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

Refer to Bibliography in Section 6 of the SSI Report.

Also refer to U.S. EPA "Uncontrolled Hazardous Waste Site Ranking System — A Users Manual (HW-10)", printed 1984.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D984791673

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	four (4)	IEPA Laboratories (Springfield & Champaign)	currently
SURFACE WATER	none	NA	NA
WASTE	two (2)	TMS Analytical Svc. Inc. (Indianapolis) USEPA CLP lab	
AIR	none	NA	NA
RUNOFF	none	NA	NA
SPILL	none	NA	NA
SOIL	eleven (11)	IEPA labs and TMS Analytical Svc. Inc.	currently
VEGETATION	none	NA	NA
OTHER	NA	NA	NA

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Groundwater	pH, conductivity, and temperature of each sample
Soil	depth of sampling interval
Soil	sample location measured when references available to do so.

IV. PHOTOGRAPHS AND MAPS

01 TYPE ■ GROUND ☐ AERIAL

02 IN CUSTODY OF Illinois EPA / Bureau of Land / Records Unit - Bob Mathis
(Name of organization or individual)

03 MAPS ■ YES ☐ NO

04 LOCATION OF MAPS SSI Report (developed from USGS 7.5 minute topographic quadrangles)

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Visual observations and photographic documentation of the sampling locations.

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

Refer to Bibliography in Section 6 of the SSI Report.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D 984 791 673

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Bob Bradley		NA	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
1722 State Street			

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
Crete	IL	60417			

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Dr. William Ricketts		NA	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
NA		NA	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
NA		NA	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

PARENT COMPANY (If applicable)

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

01 NAME	02 D+B NUMBER
Crete Metal Company	

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

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER
Faith Processing Company	

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

05 CITY	06 STATE	07 ZIP CODE

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

01 NAME	02 D+B NUMBER
NA	

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

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER
NA	

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)

Refer to Bibliography in Section 6. of the SSI Report.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D984791673

II. CURRENT OPERATOR (Provide if different from owner)			OPERATOR'S PARENT COMPANY (If applicable)		
01 NAME		02 D+B NUMBER	10 NAME NA		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER				

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)			PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)		
01 NAME Crete Metal Company		02 D+B NUMBER	10 NAME NA		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME Faith Processing Company		02 D+B NUMBER	10 NAME NA		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME		02 D+B NUMBER	10 NAME NA		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				

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

Refer to Bibliography in Section 6 of the SSI Report.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D984791673

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
NA	

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

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

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

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

IV. TRANSPORTER(S)

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

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)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D984791673

II. PAST RESPONSE ACTIVITIES

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

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

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

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

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

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

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

EPA

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

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D984791673

II PAST RESPONSE ACTIVITIES (Continued)

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

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

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

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

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

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

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

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

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

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

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

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

No remedial activities known to have occurred. Three of the four incinerators which Faith Processing Co. and Crete Metal Co. owned/operated have been removed from the site (but not as a remedial activity).

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

Refer to Bibliography in Section 6 of the SSI Report.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D984791673

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ■ YES ☐ NO

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

During 1979 and 1980, the Illinois EPA pursued enforcement action against Crete Metal Company, via the Illinois Attorney General's office, to stop the unsafe operation of the incinerators at the site. Samples obtained from the site indicated that the use of the incinerators for wire reclamation and/or other operations had produced dioxins (TCDDs). In addition, some of the incinerators had been constructed and operated without the proper (without any) permits.

No state or federal enforcement action is known to have occurred to the current owner of the site (facility), Illiana Scrap Processing.

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

Refer to Bibliography in Section 6 of the SSI Report.

EPA FORM 2070-13 (7-81)

APPENDIX C

Target Compound List

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane
Bromomethane
Vinyl Chloride
Chloroethane
Methylene Chloride
Acetone
Carbon Disulfide
1,1-Dichloroethene
1,1-Dichloroethane
1,2-Dichloroethene (total)
Chloroform
1,2-Dichloroethane
2-Butanone
1,1,1-Trichloroethane
Carbon Tetrachloride
Vinyl Acetate
Bromodichloromethane
1,2-Dichloropropane
cis-1,3-Dichloropropene
Trichloroethene
Dibromochloromethane
1,1,2-Trichloroethane
Benzene
trans-1,3-Dichloropropene
Bromoform
4-Methyl-2-pentanone
2-Hexanone
Tetrachloroethene
1,1,2,2-Tetrachloroethane
Toluene
Chlorobenzene
Ethylbenzene
Styrene
Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane
bis(2-Chloroethyl)Ether
Benzyl Alcohol
bis(2-Chloroisopropyl)Ether
N-Nitroso-Di-n-Propylamine
Nitrobenzene
Hexachlorobutadiene
2-Methylnaphthalene
1,2,4-Trichlorobenzene
Isophorone
Naphthalene
4-Chloroaniline
bis(2-chloroethoxy)Methane
Hexachlorocyclopentadiene
2-Chloronaphthalene
2-Nitroaniline
Acenaphthylene
3-Nitroaniline
Acenaphthene
Dibenzofuran
Dimethyl Phthalate
2,6-Dinitrotoluene
Fluorene
4-Nitroaniline
4-Chlorophenyl-phenylether
2,4-Dinitrotoluene
Diethylphthalate
N-Nitrosodiphenylamine
Hexachlorobenzene
Phenanthrene
4-Bromophenyl-phenylether
Anthracene
Di-n-Butylphthalate
Fluoranthene
Pyrene
Butylbenzylphthalate
bis(2-Ethylhexyl)Phthalate
Chrysene
Benzo(a)Anthracene
3,3'-Dichlorobenzidene
Di-n-Octyl Phthalate
Benzo(b)Fluoranthene
Benzo(k)Fluoranthene
Benzo(a)Pyrene
Indeno(1,2,3-cd)Pyrene
Dibenz(a,h)Anthracene
Benzo(g,h,i)Perylene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid
Phenol
2-Chlorophenol
2-Nitrophenol
2-Methylphenol
2,4-Dimethylphenol
4-Methylphenol
2,4-Dichlorophenol
2,4,6-Trichlorophenol
2,4,5-Trichlorophenol
4-Chloro-3-methylphenol
2,4-Dinitrophenol
2-Methyl-4,6-dinitrophenol
Pentachlorophenol
4-Nitrophenol

Pesticide/PCB Target Compounds

alpha-BHC
beta-BHC
delta-BHC
gamma-BHC (Lindane)
Heptachlor
Aldrin
Heptachlor epoxide
Endosulfan I
4,4'-DDE
Dieldrin
Endrin
4,4'-DDD
Endosulfan II
4,4'-DDT
Endrin Ketone
Endosulfan Sulfate
Methoxychlor
alpha-Chlorodane
gamma-Chlorodane
Toxaphene
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260

Inorganic Target Compounds

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Mercury
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc
Cyanide
Sulfide
Sulfate

APPENDIX D

Screening Site Inspection Photographs

PHOTOGRAPH NUMBER: 1

DATE: April 29, 1992

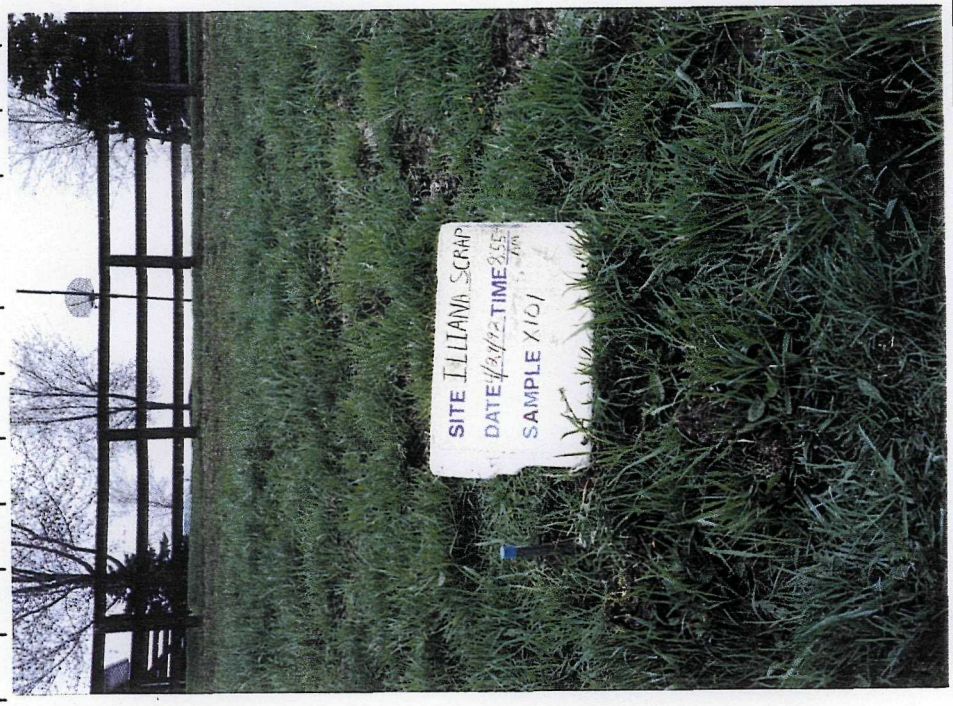
TIME: 8:55 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: N

COMMENTS: Background sample X101.



Roll #889566 Photo #0

PHOTOGRAPH NUMBER: 2

DATE: April 29, 1992

TIME: 8:55 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: E

COMMENTS: Background sample X101.

Roll #889566 Photo #1

PHOTOGRAPH NUMBER: 3

DATE: April 29, 1992

TIME: 9:50 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (east)

PICTURE TAKEN TOWARD: S

COMMENTS: On-site sample X106. (Close-up view)

Roll #889566 Photo #2

PHOTOGRAPH NUMBER: 4

DATE: April 29, 1992

TIME: 9:50 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (east)

PICTURE TAKEN TOWARD: S

COMMENTS: On-site sample X106. (General view)

Roll #889566 Photo #3

PHOTOGRAPH NUMBER: 5

DATE: April 29, 1992

TIME: 10:20 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (west)

PICTURE TAKEN TOWARD: E-SE

COMMENTS: On-site sample X107.

Roll #889566 Photo #4

PHOTOGRAPH NUMBER: 6

DATE: April 29, 1992

TIME: 10:20 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (west)

PICTURE TAKEN TOWARD: S

COMMENTS: On-site sample X107.

Roll #889566 Photo #5

PHOTOGRAPH NUMBER: 7

DATE: April 29, 1992

TIME: 11:00 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (southeast)

PICTURE TAKEN TOWARD: SW

COMMENTS: On-site sample X112.

Roll #889566 Photo #6

PHOTOGRAPH NUMBER: 8

DATE: April 29, 1992

TIME: 11:00 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (southeast)

PICTURE TAKEN TOWARD: NW

COMMENTS: On-site sample X112.

Roll #889566 Photo #7

PHOTOGRAPH NUMBER: 9

DATE: April 29, 1992

TIME: 11:30 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (northeast)

PICTURE TAKEN TOWARD: SE

COMMENTS: On-site sample X108. (Close-up view)

Roll #889566 Photo #8

PHOTOGRAPH NUMBER: 10

DATE: April 29, 1992

TIME: 11:30 AM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (northeast)

PICTURE TAKEN TOWARD: SE

COMMENTS: On-site sample X108. (General view)

Roll #889566 Photo #9

PHOTOGRAPH NUMBER: 11

DATE: April 29, 1992

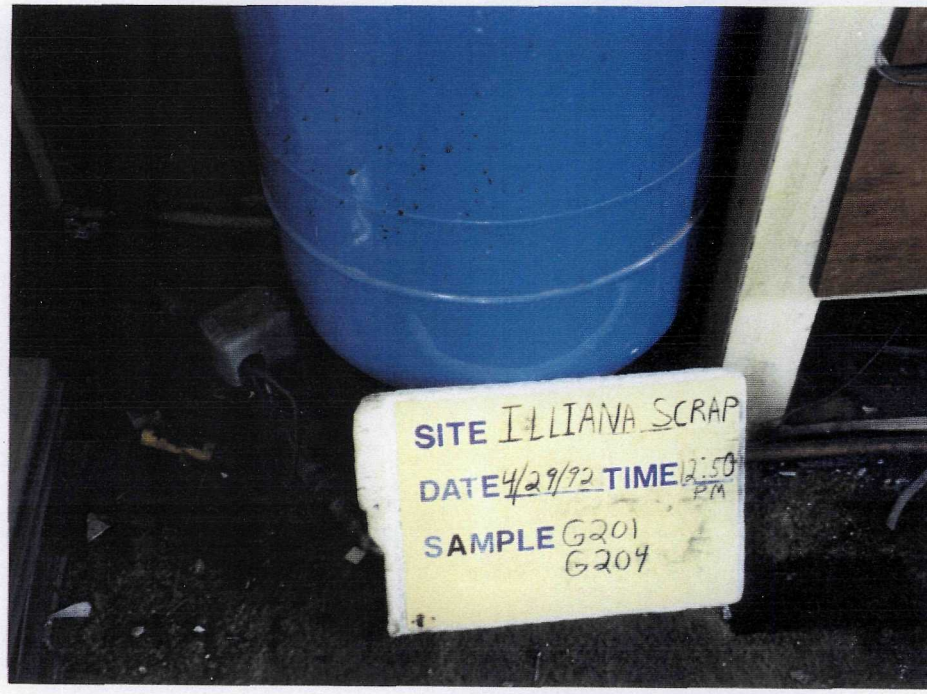
TIME: 12:50 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility.

PICTURE TAKEN TOWARD: W

COMMENTS: Groundwater sample G201 and duplicate sample G204. Blue pressure tank located inside of house trailer.



Roll #889566 Photo #10

PHOTOGRAPH NUMBER: 12

DATE: April 29, 1992

TIME: 12:50 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility near NWc of blue pole barn.

PICTURE TAKEN TOWARD: SE

COMMENTS: Wellhead of the on-site private water well used for drinking water at the facility.

Roll #889566 Photo #11

PHOTOGRAPH NUMBER: 13

DATE: April 29, 1992

TIME: 1:40 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (west of concrete)

PICTURE TAKEN TOWARD: N

COMMENTS: On-site sample X109 and duplicate X113.

Roll #889567 Photo #0

PHOTOGRAPH NUMBER: 14

DATE: April 29, 1992

TIME: 1:40 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (west of concrete)

PICTURE TAKEN TOWARD: SE

COMMENTS: On-site sample X109 and duplicate X113.

Roll #889567 Photo #1

PHOTOGRAPH NUMBER: 15

DATE: April 29, 1992

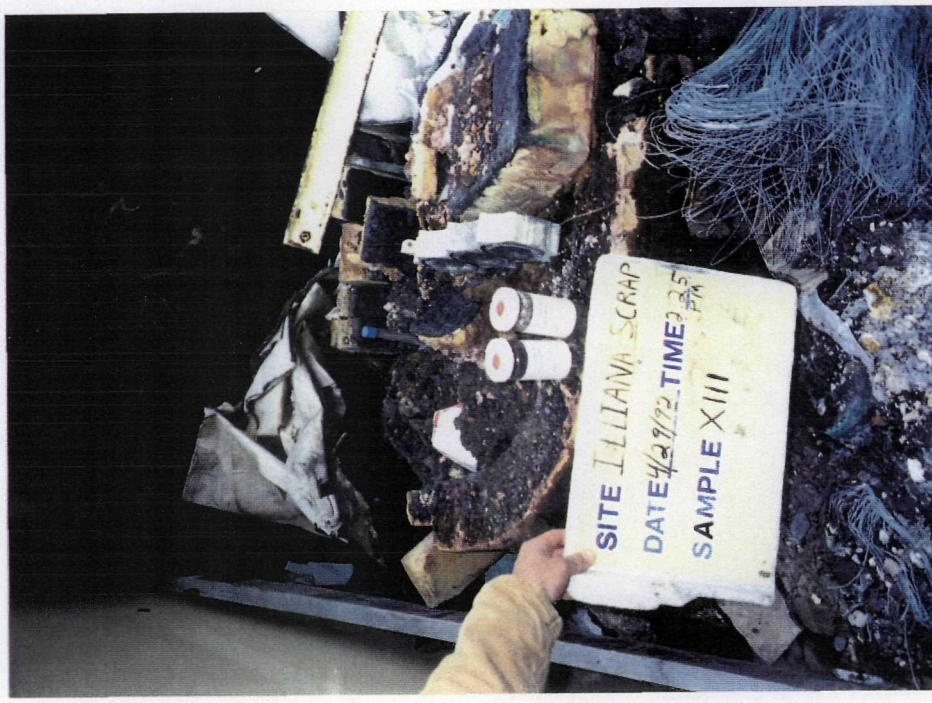
TIME: 2:25 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (west of concrete)

PICTURE TAKEN TOWARD: S

COMMENTS: On-site sample X111.



Roll #889567 Photo #2

PHOTOGRAPH NUMBER: 16

DATE: April 29, 1992

TIME: 2:25 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility. (west of concrete)

PICTURE TAKEN TOWARD: NE

COMMENTS: On-site sample X111.

Roll #889567 Photo #3

PHOTOGRAPH NUMBER: 17

DATE: April 29, 1992

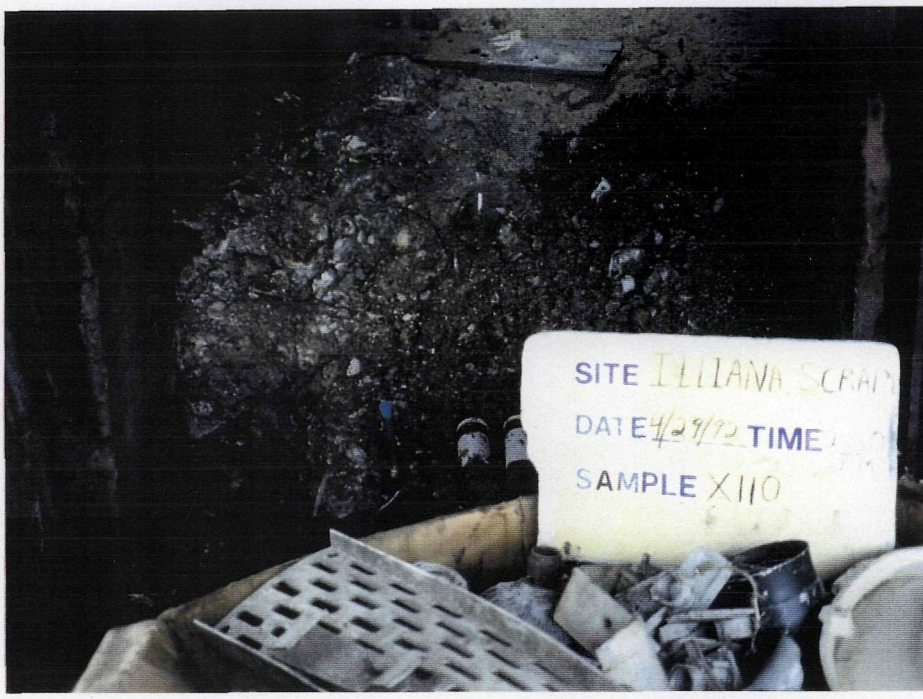
TIME: 2:30 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility.

PICTURE TAKEN TOWARD: W

COMMENTS: On-site sample X110.



Roll #889567 Photo #4

PHOTOGRAPH NUMBER: 18

DATE: April 29, 1992

TIME: 2:30 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility.

PICTURE TAKEN TOWARD: W

COMMENTS: On-site sample X110. (General view)

Roll #889567 Photo #5

PHOTOGRAPH NUMBER: 19

DATE: April 29, 1992

TIME: 2:40 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility.

PICTURE TAKEN TOWARD: W

COMMENTS: Portion of base of smokestack which has been removed from the remaining, abandoned incinerator.

Roll #889567 Photo #6

PHOTOGRAPH NUMBER: 20

DATE: April 29, 1992

TIME: 2:34 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Illiana Scrap Processing facility.

PICTURE TAKEN TOWARD: E

COMMENTS: Same item shown in photo 19 - different view. Note the abandoned incinerator furnace at right in background.

Roll #889567 Photo #7

PHOTOGRAPH NUMBER: 21

DATE: April 29, 1992

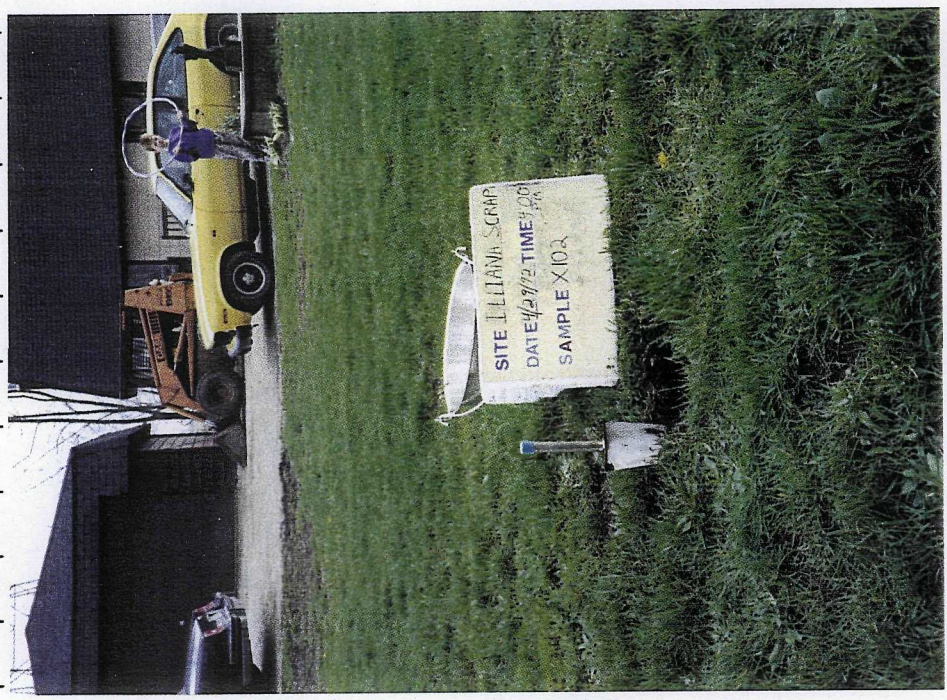
TIME: 4:00 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: S

COMMENTS: Sample X102.



Roll #889567 Photo #8

PHOTOGRAPH NUMBER: 22

DATE: April 29, 1992

TIME: 4:00 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: W

COMMENTS: Sample X102. Illiana Scrap Processing facility (blue pole barn) visible in far background.

Roll #889567 Photo #9

PHOTOGRAPH NUMBER: 23

DATE: April 29, 1992

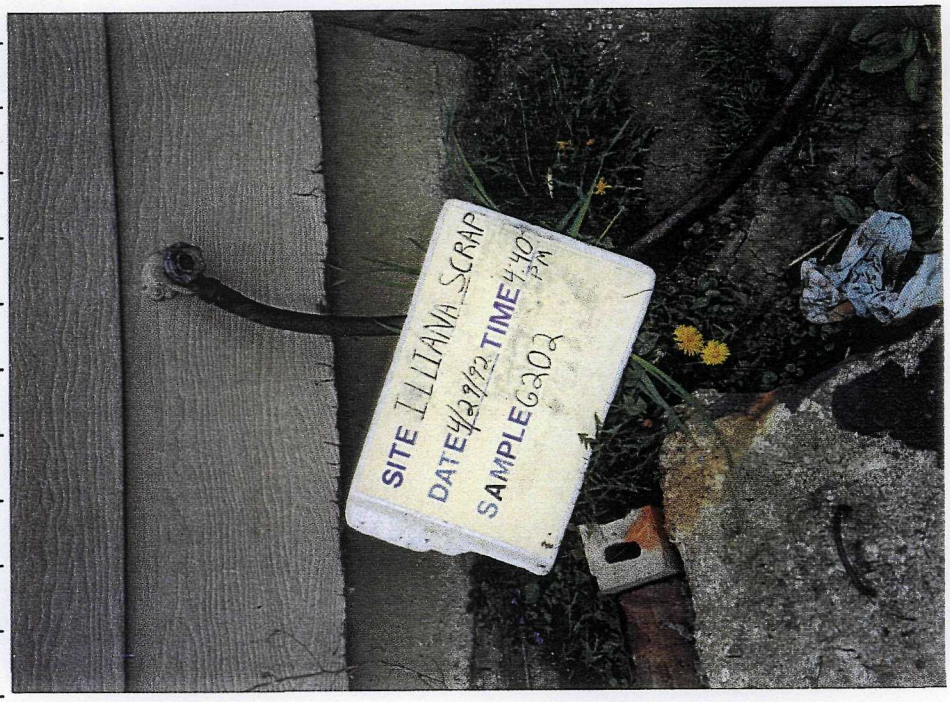
TIME: 4:40 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Well Sample.

PICTURE TAKEN TOWARD: W

COMMENTS: Sample G202. Close-up view of spigot on east side of house.



Roll #889567 Photo #10

PHOTOGRAPH NUMBER: 24

DATE: April 29, 1992

TIME: 4:40 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Well Sample.

PICTURE TAKEN TOWARD: W

COMMENTS: Sample G202. General view of spigot on east side of house.

Roll #889567 Photo #11

PHOTOGRAPH NUMBER: 25

DATE: April 29, 1992

TIME: 5:35 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Well Sample.

PICTURE TAKEN TOWARD: N

COMMENTS: Sample G203. View of spigot south of barn where sample was obtained.

Roll #889570 Photo #0

PHOTOGRAPH NUMBER: 26

DATE: April 29, 1992

TIME: 5:35 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Well Sample.

PICTURE TAKEN TOWARD: W

COMMENTS: Sample G203. View of private well location and hand pump with house in background.

Roll #889570 Photo #1

PHOTOGRAPH NUMBER: 27

DATE: April 29, 1992

TIME: 6:05 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: NW

COMMENTS: Sample X103. Close-up view with house in background.

Roll #889570 Photo #2

PHOTOGRAPH NUMBER: 28

DATE: April 29, 1992

TIME: 6:05 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: S

COMMENTS: Sample X103. General view looking down private driveway toward Burrville (Faithorn) Road.

Roll #889570 Photo #3

PHOTOGRAPH NUMBER: 29

DATE: April 29, 1992

TIME: 6:50 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: SE

COMMENTS: Sample X104.

Roll #889570 Photo #4

PHOTOGRAPH NUMBER: 30

DATE: April 29, 1992

TIME: 6:50 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Residential Soil Sample.

PICTURE TAKEN TOWARD: W

COMMENTS: Sample X104.

Roll #889570 Photo #5

PHOTOGRAPH NUMBER: 31

DATE: April 29, 1992

TIME: 7:10 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Storm sewer outlet located North of Illiana Scrap Facility.

PICTURE TAKEN TOWARD: S

COMMENTS: Sample X105.

Roll #889570 Photo #6

PHOTOGRAPH NUMBER: 32

DATE: April 29, 1992

TIME: 7:10 PM

PHOTOGRAPHED BY: Al Kirwin

LOCATION: Storm sewer outlet located North of Illiana Scrap Facility.

PICTURE TAKEN TOWARD: S-SW

COMMENTS: Sample X105. General view w/ storm sewer outlet in background.

Roll #889570 Photo #7

APPENDIX E

Well Logs

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO D'

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 145 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. 5 in. Depth 68 ft.
   c. Drilled _____. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field 75
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed 10-25-74
5. Permanent Pump Installed? Yes X Date 10-27-74 No____
   Manufacturer Williams Type _____ Location _____
   Capacity 10 gpm. Depth of Setting _____ Ft.
6. Well Top Sealed? Yes X No____ Type _____
7. Pitless Adapter Installed? Yes X No____
   Manufacturer Martinson Model Number S-10
   How attached to casing? Lockwit
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes X No____
10. Pressure Tank Size 42 gal. Type WS-202
    Location Crawlspace
11. Water Sample Submitted? Yes____ No____

REMARKS:

In permit book: Faith Processing

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Faith Metal Products Well No. 8-49
    Address Crete, Ill
    Driller HART License No. 102-48
11. Permit No. 34194 Date 10-24-74
12. Water from Limestone (Formation) 13. County Will
    at depth 68 to 145 ft.
    Sec. 15-8d
    Twp. 34N
    Rge. 14E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____

SHOW LOCATION IN SECTION PLAT

NW NW SW

15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5	BLACK	0	68

16. Size Hole below casing: _____ in.
17. Static level _____ ft. below casing top which is _____ ft. above ground level. Pumping level _____ ft. when pumping at _____ gpm for _____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clayd Gravel	0	68
Limestone	68	145

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Peter Kolb DATE 11-21-74
Will DuPage Drlg.

IDPH 4.065

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 135 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. ____ In. Depth ____ ft.
   c. Drilled x. Finished in Drift _____. In Rock x.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10+ Ft. Seepage Tile Field 75+
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 50 + Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes x No____
4. Date well completed October 24, 1985
5. Permanent Pump Installed? Yes x Date Oct 25 No____
   Manufacturer Red Jacket Type Sub. Location in well
   Capacity 10 gpm. Depth of Setting 80' Ft.
6. Well Top Sealed? Yes____ No____ Type _____
7. Pitless Adapter Installed? Yes x No____
   Manufacturer Baker Model Number Snappy
   How attached to casing? Inserted
8. Well Disinfected? Yes x No____
9. Pump and Equipment Disinfected? Yes x No____
10. Pressure Tank Size 82 gal. Type Captive air
    Location in house
11. Water Sample Submitted? Yes____ No x

REMARKS:

Co. # 28615

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Charles Perez Well No. _____
    Address 137 E. Exchange St., Crete, Ill.
    Driller Webling Well Works License No. 102-2
11. Permit No. 120969 Date Oct. 22, 1985
12. Water from _____ Formation
    at depth ____ to ____ ft.
13. County Will
    Sec. 10-7g
    Twp. 34N
    Rge. 14E
    Elev. _____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot _____

500'N 150'E NWC SE NW NW

15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Galv. steel	+1	93

SHOW LOCATION IN SECTION PLAT
500'N 150'E
Sw/4 SE NW NW

16. Size Hole below casing: 4-7/8 in.
17. Static level ____ ft. below casing top which is ____ ft. above ground level. Pumping level ____ ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Brown Clay	15	15
Clay & Gravel	53	68
Gravel with clay	15	83
Gray Clay	10	93
Lime	42	135

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED H. E. Webling DATE Oct. 29, 1985

IDPH 4.065
1/74 – KNB-1

White & Pink Copies:
Will County Health Dept
Yellow Copy: Well Contractor

Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS

Your application must be submitted to the appropriate office depending on which township the well is to be located. See listing below.

Will County Health Dept.
Environmental Health
501 Ella Avenue
Joliet, IL 60433
(815) 727-8840

Townships
Channahon, Custer, Florence, Jackson, Joliet, Manhattan, New Lenox, Reed, Troy, Wesley, Wilmington, Wilton

Will County Health Dept.
Environmental Health
342 N. Independence
Romeoville, IL 60441
(815) 886-1550
(312) 739-7871

Townships
DuPage, Homer, Lockport, Plainfield, Wheatland

Will County Health Dept.
Environmental Health
800 University Park
University Park, IL 60466
(815) 727-8803
(312) 534-0800

Townships
Crete, Frankfort, Green Garden, Monee, Peotone, Washington, Will

1. Type of Well
   a. Bored____ Hole Diam.____in. Depth____ft
      Buried Slab: Yes___ No___
   b. Driven____ Drive Pipe Diam.____in. Depth____ft
   c. Drilled X Finished in Drift____ In Rock____
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
BENTONITE	0	95

2. Well furnishes water for human consumption? Yes X No___
3. Date well drilled 4-16-90
4. Permanent pump installed? Yes X Date 4-18-90 No___
   Manufacturer RED JACKET Type___
   Location WELL
   Capacity 15 gpm. Depth of setting 105 ft.
5. Well top sealed? Yes X No___ Type___
6. Pitless adapter installed? Yes X No___
   Manufacturer MARTINSON Model No.___
   How attached to casing? MECHANICAL
7. Well disinfected? Yes X No___
8. Pump and equipment disinfected Yes X No___

GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller FRANK SHARPE License No. 092-004773
10. Well Site Address 19 GREENBRIAR, CRETE, ILL
11. Property Owner MIRAL DEVELOPMENT Well No.___
12. Permit No. 97-90-0029 E Date Issued 1-16-90
13. A. Tax # 15-03-301-006
    B. Location: 1972990 Sec. 10 Twp. 34 Rge. 14E

Show location in section plat

No Legal
Lot #10
Greenbriar

14. Water from ___ at depth___ft to___ft

15. Casing and Liner Pipe

Diam. (in)	Kind and Weight	From (ft)	To (ft)
5	[illegible]	0	96
	SDR 26 #200 PVC		

16. Screen: Diam.___in, Length___in, Slot Size___
17. Size hole below casing 4 1/4 in. 18. Ground Elev.___ ft msl.
19. Static level___ft below casing top which is ___ft. above ground level. Pumping level 35 ft, pumping gpm for 4 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Clay	0	65
Gravel	65	95
Limestone	95	180

Continue on separate sheet if necessary.

Signed Frank Sharpe Date 20-90

White Copy – Ill. Dept. o ealth
Yellow Copy – ell Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO LERS

FILL IN ALL PERTINENT INFORMATION REQU E ND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, A OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 130 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. ____in. Depth ____ft.
   c. Drilled x. Finished in Drift _____. In Rock x.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes x No _____
4. Date well completed Jan. 17, 1969
5. Permanent Pump Installed? Yes _____ No x
   Manufacturer _____ Type _____
   Capacity _____ gpm. Depth of setting _____ ft.
6. Well Top Sealed? Yes x No _____
7. Pitless Adaptor Installed? Yes _____ No _____
8. Well Disinfected? Yes x No _____
9. Water Sample Submitted? Yes _____ No x

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 6660 Year 1968
11. Property owner Mr. G. Cleland Well No. 1
    Address 14743 Homan Ave., Midlothian, Illinois
    Driller E. C. Wehling License No. 92-56
12. Water from _____ (Formation)
    at depth ____ to ____ ft.
13. County Will
    Sec. 14. SW
    Twp. 34N
    Rng. 14E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____
    100'S & 280'E NW NW NW NE
15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Galv. seamless	0	56

SHOW LOCATION IN SECTION PLAT

100'S 280'E of NW/c NW NW NE

16. Size Hole below casing: 4-7/8 in.
17. Static level 28 ft. below casing top which is 4 ft. above ground level. Pumping level 28 ft. when pumping at 18 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay		29
Sand	9	33
Gravel	3	41
Lime	89	130
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED E. C. Wehling, Pres. DATE Jan. 31, 1969

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5" in. Depth 160 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. ____in. Depth ____ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10+ Ft. Seepage Tile Field 75+
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 50+ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed Jan 2, 1986
5. Permanent Pump Installed? Yes x Date 1-3-86 No____
   Manufacturer existing Type sub. Location in well
   Capacity____gpm. Depth of Setting 126' Ft.
6. Well Top Sealed? Yes____ No____ Type _____
7. Pitless Adapter Installed? Yes x No____
   Manufacturer Baker Model Number Snappy
   How attached to casing? inserted
8. Well Disinfected? Yes x No____
9. Pump and Equipment Disinfected? Yes x No____
10. Pressure Tank Size____gal. Type ~~existing~~
    Location _____
11. Water Sample Submitted? Yes____ No x

REMARKS:

Co. # 28697

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Allen Hamilton Well No. _____
    Address 800 Clark Ave., Yuma City, Calif
    Driller W. E. WEhling License No. 102-2
11. Permit No. 121906 Date Dec. 27, 1986
12. Water from _____ (Formation) 13. County Will
    at depth ____ to ____ft.
    Sec. 14.6e
    Twp. 34N
    Rge. 13E
    Elev. _____
14. Screen: Diam. _____in.
    Length: ____ft. Slot _____
    90'N 520'E SWc SE NW
15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Galvanized	+1	125

SHOW LOCATION IN SECTION PLAT
90'N 520'E
Sw/c SE NW

16. Size Hole below casing: 4-7/8 in.
17. Static level ____ft. below casing top which is _____ft. above ground level. Pumping level ____ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	17	17
Clay & Gravel	85	102
Sticky clay	15	117
Clay & Gravel	8	125
Gray lime	7	132
Brown lime	28	160

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wendell E. Wehling DATE 1-10-86

IDPH 4.065
1/74 – KHB-1

White: Copies:
Ill. of Public Health
Yellow Copy: WCTA Contractor
Golden Copy: Well Owner

RECEIVED
APR 03 1989
DIVISION OF ENVIRONMENTAL HEALTH

Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

1. Type of Well
   a. Bored____ Hole Diam.____in. Depth____ft
      Buried Slab: Yes___ No___
   b. Driven____ Drive Pipe Diam.____in. Depth____ft
   c. Drilled X Finished in Drift____ In Rock____
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Well furnishes water for human consumption? Yes X No___
3. Date well drilled 2-14-89
4. Permanent pump installed? Yes X Date 3-17-89 No___
   Manufacturer RJ Type sub
   Location well
   Capacity 12 gpm. Depth of setting 125 ft.
5. Well top sealed? Yes X No___ Type_____
6. Pitless adapter installed? Yes X No___
   Manufacturer Martinson Model No._____
   How attached to casing? mechanical
7. Well disinfected? Yes X No___
8. Pump and equipment disinfected Yes X No___

IMPORTANT NOTICE

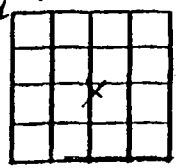
This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE
Do Not Use Felt Pen

IL482-0126

GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller Frank Sharpe License No. 102001773
10. Well Site Address RR1-Box 142 Monee IL 60449
11. Property Owner MARIAN MARZYNSKI Well No._____
12. Permit No. 009033 Date Issued 1-27-89
13. Location: County Will
    Sec. 14 4/4
    Twp. 34N
    Rge. 13E



Show location in section plat
NW NW SE

14. Water from limestone at depth 138 ft to 180 ft

15. Casing and Liner Pipe

Diam. (in)	Kind and Weight	From (ft)	To (ft)
5"	SDR 21 PVC	0	138

16. Screen: Diam.____in, Length____in, Slot Size____
17. Size hole below casing 9 3/4 in. 18. Ground Elev._____ ft msl.
19. Static level____ft below casing top which is 1 ft. above ground level. Pumping level ____ft, pumping gpm for ____ hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Clay	0	60
Sand	60	90
Clay	90	138
limestone	138	180

Continue on separate sheet if necessary.

Signed Frank Sharpe Date 3-29-89

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 101 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled x. Finished in Drift ____. In Rock x.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field 75
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 50 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes x No ____
4. Date well completed 6-13-75
5. Permanent Pump Installed? Yes x No ____
   Manufacturer Red Jacket Type Suction
   Capacity ____ gpm. Depth of setting 47' 3" ft.
6. Well Top Sealed? Yes ____ No ____
   5" Baker Monitor attached to casing by compression gasket
7. Pitless Adaptor Installed? Yes x No ____
8. Well Disinfected? Yes x No ____
9. Water Sample Submitted? Yes ____ No x

REMARKS:
52 gal. hill-x-dial pressure tank

IDPH 4.065
10-72
KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Glen Dillon Well No. ____
    Address Box 11A E. Exchange St., Crete, Illinois
    Driller Wehling Well Works License No. 102-2
11. Permit No. 38445 Date 6-11-75
12. Water from ____ (Formation) at depth ____ to ____ ft.
13. County Will
    Sec. 15, 34
    Twp. 34N
    Rge. 14E
    Elev. ____
14. Screen: Diam. 5 in.
    Length: ____ ft. Slot ____
    400'S 30'W NE NE NW NE
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galv seamless	0	43

SHOW LOCATION IN SECTION PLAT
400'S 30'W
NE/c NE NW
NE

16. Size Hole below casing: 5 in.
17. Static level 10 ft. below casing top which is ____ ft. above ground level. Pumping level ____ ft. when pumping at 30 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
clay	0	10
muddy sand	10	15
sand	15	40
lime	40	101

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 7-31-75
Wendell E. Wehling Pres

hite Copy –
Ill. Dept. of Public h
..ow Copy – Well Co...actor
lue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUEST AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. ____ in. Depth ____ ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 30 Ft. Seepage Tile Field +75
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank +50 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes X No ____
4. Date well completed 5-9-85
5. Permanent Pump Installed? Yes X Date 5-9 No ____
   Manufacturer Red Jacket Type Sub Location Well
   Capacity 12 gpm. Depth of Setting 60 Ft.
6. Well Top Sealed? Yes X No ____ Type ____
7. Pitless Adapter Installed? Yes X No ____
   Manufacturer Martinson Model Number ____
   How attached to casing? Mechanical
8. Well Disinfected? Yes X No ____
9. Pump and Equipment Disinfected? Yes X No ____
10. Pressure Tank Size 40 gal. Type C-M
    Location Loft
11. Water Sample Submitted? Yes ____ No X

REMARKS:

County #28367

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Joseph Wright Well No. ____
    Address 1266 Mackinaw Ave., Calumet City, IL
    Driller Frank Sharpe License No. 102-177
11. Permit No. 117494 Date 4/26/85
12. Water from limestone (Formation) at depth 68 to 160 ft.
13. County Will
    Sec. 154a
    Twp. 34N
    Rge. 14E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____

		X	

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	SDR 21	0	68

SHOW LOCATION IN SECTION PLAT
120'N 350'E
SW/C SE

16. Size Hole below casing: ____ in.
17. Static level ____ ft. below casing top which is ____ ft. above ground level. Pumping level ____ ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	12	12
Sand	48	60
Gravel	8	68
Limestone	92	160

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Frank Sharpe DATE 9-25-85

IDPH 4.065
1/74 FH

White Cop	Public Health
Ill. Dep	
Yellow	-Well Contractor
Blue Cop	Owner

FILL IN ALL PERTINENT INFORMATION RE[illegible]TED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM [illegible] STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOG[illegible] WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 141 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven 1. Drive Pipe Diam. _____in. Depth _____ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes X No_____
4. Date well completed April 4, 1967
5. Permanent Pump Installed? Yes_____ No x
   Manufacturer _____ Type _____
   Capacity _____gpm. Depth of setting _____ ft.
6. Well Top Sealed? Yes x No_____
7. Pitless Adaptor Installed? Yes_____ No_____
8. Well Disinfected? Yes x No_____
9. Water Sample Submitted? Yes_____ No x

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 2213 Year 1967
11. Property owner Adelia Plagge Well No. 1
    Address 1581 Austin Ave., Crete, Ill.
    Driller Wehling Well Works, Ind. License No. 92-56
12. Water from _____ (Formation)
    at depth ____ to ____ ft.
13. County Will
    Sec. 16.3a
    Twp. 34N
    Rng. 14E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____
    SE¼ SW¼ SE¼
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galvanized	0	76

SHOW LOCATION IN SECTION PLAT

16. Size Hole below casing: 4-7/8 in.
17. Static level 34 ft. below casing top which is _____ ft. above ground level. Pumping level 42 ft. when pumping at 15 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	26	26
Sand	46	72
Limo	69	141
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED H. E. Kelley DATE 4-10-67

INSTRUCTIONS TO DRILLERS

White Co. ... Public Health
Ill. Dep ... Well Contractor
Yellow C...
Blue Copy – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 61 STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 8 in. Depth 300 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes x No ____
4. Date well completed June 28, 1967
5. Permanent Pump Installed? Yes ____ No x
   Manufacturer ____ Type ____
   Capacity ____ gpm. Depth of setting ____ ft.
6. Well Top Sealed? Yes ____ No ____
7. Pitless Adaptor Installed? Yes ____ No ____
8. Well Disinfected? Yes x No ____
9. Water Sample Submitted? Yes ____ No x

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 2744 Year 1967
11. Property owner Progress Engineering Well No. 1
    Address Crete, Illinois
    Driller Wehling Well Works, Inc License No. 92-56
12. Water from ____ (Formation) at depth ____ to ____ ft.
13. County Will
    Sec. 16
    Twp. 34N
    Rng. 14E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____

SHOW LOCATION IN SECTION PLAT

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
8"	Black	0	78

16. Size Hole below casing: 7-7/8 in.
17. Static level 28 ft. below casing top which is ____ ft. above ground level. Pumping level 42 ft. when pumping at 50 gpm for 5 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Sand	68	68
Lime	5	73
Lime and Sand	8	81
Lime	219	300
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED ____ DATE 6-30-67

White Copy – Ill. Dept. of P[illegible] Health
Yellow Copy – [illegible]ntractor
Blue Copy – Well Owner

INSTRUCTIONS TO [illegible]LLERS

FILL IN ALL PERTINENT INFORMATION REQUE[illegible] AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, S[illegible] OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / W[illegible]R SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 150 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings		

2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed 8-27-71
5. Permanent Pump Installed? Yes X No ____
   Manufacturer Barnes Type Submn.
   Capacity ____ gpm. Depth of setting 84 ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes X No ____
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS:
Owner instructed

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Joseph Tosi Well No. ____
    Address Lot 3 Schools Trustee Subd. Crete
    Driller Paul Knierim License No. 92-518
11. Permit No. 14096 Date 8-23-71
12. Water from Limestone Formation 13. County Will
    at depth 20 to 150 ft.
    Sec. 16
    Twp. 34N
    Rge. 14E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____

SHOW LOCATION IN SECTION PLAT
Lot 3 in Schools Trustee's Sub. NW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Gelv. 15#	0	92

16. Size Hole below casing: 5 in.
17. Static level 20 ft. below casing top which is 1 ft. above ground level. Pumping level 84 ft. when pumping at 20 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Overburden	0	92
Rock formation	92	150

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Knierim DATE 10-26-71

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFOR. ION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. ____ in. Depth ____ ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
None		

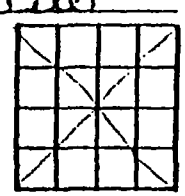
2. Distance to Nearest:
   Building 15 Ft. Seepage Tile Field 75
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 60 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed April 2, 1975
5. Permanent Pump Installed? Yes X No ____
   Manufacturer Red Jacket Type Submt.
   Capacity 12 gpm. Depth of setting 75 ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes X No ____
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Ronald Wehrle Well No. 4
    Address 1563 East Ave. Crete, Illinois
    Driller H. Holleman Jr License No. 102-77
11. Permit No. 36437 Date March 13, 1975
12. Water from Limestone (Formation) at depth 69 to 175 ft.
13. County Will
    Sec. 16
    Twp. 34N
    Rge. 14E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____
15. Casing and Liner Pipe



Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Standard Steel	0	69
	Galv. Casing, 15		
	lbs. per ft.		

SHOW LOCATION IN SECTION PLAT
Lot 17 Block 6 of Plat of Enterprise Subd. of Crete located in phase [illegible] section

16. Size Hole below casing: 5 in.
17. Static level 38 ft. below casing top which is ____ ft. above ground level. Pumping level 46 ft. when pumping at 10 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Soil	1	1
Yellow Clay	21	22
Blue Clay	42	64
Gravel	5	69
Limestone	106	175

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED H. Holleman Jr DATE April 2, 1975

White Copy – Ill. Dept. o[illegible] Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO [illegible]LLERS

FILL IN ALL PERTINENT INFORMATION REQ[illegible]ED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU O[illegible] ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

21

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 161 ft.
   Curb material ____. Buried Slab: Yes____ No____
   b. Driven ____. Drive Pipe Diam. ____in. Depth ____ft.
   c. Drilled x. Finished in Drift ____. In Rock x.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field 75
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 50 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed March 11, 1976
5. Permanent Pump Installed? Yes x No ____
   Manufacturer Red Jacket Type Submersible
   Capacity ____gpm. Depth of setting 68 ft.
6. Well Top Sealed? Yes x No ____
7. Pitless Adaptor Installed? Yes x Baker – compression gasketted No ____ + bolts
8. Well Disinfected? Yes x No ____
9. Water Sample Submitted? Yes ____ No x

REMARKS:
82 gal. pressure tank – Well – x-trol

IDPH 4.065
10-72
KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Crete Dawn & Leisure Well No. ____
    Address 1742 S. Main St. Crete, Illinois
    Driller Wendell E. Wehling License No. 102-2
11. Permit No. 45142 Date 3-5-76
12. Water from ____ (Formation) 13. County Will
    at depth ____ to ____ft.
    Sec. 16, 20
    Twp. 34N
    Rge. 14E
    Elev. ____
14. Screen: Diam. ____in.
    Length: ____ft. Slot ____
    100'S 365'W NE NW SW SW
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	gav. seamless	0	77

SHOW LOCATION IN SECTION PLAT
100'S 365'W of NE c/o NW SW SW

16. Size Hole below casing: 4-7/8 in.
17. Static level 30 ft. below casing top which is ____ft. above ground level. Pumping level 46 ft. when pumping at 15 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Black dirt	0	1
Clay	1	13
Sand	13	67
Lime	67	161

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling, Wendell E. DATE March 24, 1976

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT IN MATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEA. .I, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled X. Finished in Drift____. In Rock X.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
None		

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field 80
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank 70 Barnyard____
   Leaching Pit____ Manure Pile____
3. Is water from this well to be used for human consumption?
   Yes X No____
4. Date well completed Oct. 20, 1976
5. Permanent Pump Installed? Yes X No____
   Manufacturer Jacuzzi Type Submersible
   Capacity 12 gpm. Depth of setting 84 ft.
6. Well Top Sealed? Yes X No____
7. Pitless Adaptor Installed? Yes X No____
8. Well Disinfected? Yes X No____
9. Water Sample Submitted? Yes____ No X

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner John Renzi Well No. 16
    Address Dixie Highway, Crete, Ill.
    Driller H. Hollman License No. 102-77
11. Permit No. 53158 Date Oct. 6, 1976
12. Water from Limestone (Formation) 13. County Will
    at depth 84 to 160 ft. Sec. 16 16
    14. Screen: Diam.____in. Twp. 34N
    Length:____ft. Slot____ Rge. 14E
    Elev.____

X			

SHOW LOCATION IN SECTION PLAT
NE SW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Standard Steel	0	84
	Galv. Casing, 15		
	lbs. per ft.		

16. Size Hole below casing: 5 in.
17. Static level 41 ft. below casing top which is 1 ft. above ground level. Pumping level 42 ft. when pumping at 15 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Soil	1	1
Yellow Clay	15	16
Blue Clay	33	49
Sand	15	64
Blue Clay	16	80
Gravel	4	84
Limestone	76	160

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED H. Hollman DATE Oct. 20, 197

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS [illegible]ERS

FILL IN ALL PERTINENT INFORMATION REQUES[illegible] AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. ____ in. Depth ____ ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 8 Ft. Seepage Tile Field +75
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 750 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes X No ____
4. Date well completed 6-20-82
5. Permanent Pump Installed? Yes X Date 6-20 No ____
   Manufacturer [illegible] Type Sub Location Well
   Capacity 14 gpm. Depth of Setting 60 Ft.
6. Well Top Sealed? Yes X No ____ Type ____
7. Pitless Adapter Installed? Yes X No ____
   Manufacturer [illegible] Model Number ____
   How attached to casing? ____
8. Well Disinfected? Yes X No ____
9. Pump and Equipment Disinfected? Yes X No ____
10. Pressure Tank Size 42 gal. Type WX202
    Location Basement
11. Water Sample Submitted? Yes ____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Charles Johnson Well No. ____
    Address 1588 Fairhaven Ave. Orib, Ill
    Driller Fred Sharpe License No. ____
11. Permit No. 103634 Date 5-28-82
12. Water from Limestone (Formation) at depth 51 to 180 ft.
13. County Will
    Sec. 16.5
    Twp. 34N
    Rge. 14E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	SDR 21 #200 PVC	0	51

SHOW LOCATION IN SECTION PLAT
200'N 35'W
SE/C NW

16. Size Hole below casing: 4 3/4 in.
17. Static level 36 ft. below casing top which is 1 ft. above ground level. Pumping level 36 ft. when pumping at 15 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	10	10
Sand & gravel	41	51
Limestone	129	180

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Fred Sharpe DATE 2-7-83

IDPH 4.065
1/74 – KNB-1

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS _ .LERS •

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 150 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled X. Finished in Drift____. In Rock X.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed 9-28-82
5. Permanent Pump Installed? Yes X Date 9-28 No____
   Manufacturer Baker Type Hand Location at well
   Capacity 10 gpm. Depth of Setting 58 Ft.
6. Well Top Sealed? Yes X No____ Type Baker
7. Pitless Adapter Installed? Yes____ No X
   Manufacturer _____ Model Number _____
   How attached to casing? _____
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes X No____
10. Pressure Tank Size____gal. Type _____
    Location _____
11. Water Sample Submitted? Yes____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Fred Stieber Well No. _____
    Address RR1 Box 160 well.
    Driller Fred Stieber License No. 102-122
11. Permit No. 104831 Date 9-16-82
12. Water from Pennsylvanian Formation 13. County Will
    at depth 68 to 150 ft.
14. Screen: Diam._____in.
    Length:____ft. Slot _____

Sec. 16-8N
Twp. 34N
Rge. 14E
Elev. _____

15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5	SDR 21 #200 PVC	0	68

SHOW LOCATION IN SECTION PLAT
120'S 75'E NW/c SW
Hand pump for cemetery

16. Size Hole below casing: 4 3/4 in.
17. Static level 30 ft. below casing top which is 1 ft. above ground level. Pumping level 30 ft. when pumping at 20 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	19	19
Sand & gravel	31	50
Clay	8	58
Sand & gravel	10	68
Limestone	82	150

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Fred Stieber DATE 2-7-83

IDPH 35
1/74 .NB-1

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 110 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled XX. Finished in Drift____. In Rock X.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field 75
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank 50 Barnyard____
   Leaching Pit____ Manure Pile____
3. Well furnishes water for human consumption? Yes XX No____
4. Date well completed Nov. 16, 1984
5. Permanent Pump Installed? Yes____ Date____ No X
   Manufacturer____ Type____ Location____
   Capacity____gpm. Depth of Setting____Ft.
6. Well Top Sealed? Yes____ No____ Type____
7. Pitless Adapter Installed? Yes____ No XX
   Manufacturer____ Model Number____
   How attached to casing?____
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes____ No____
10. Pressure Tank Size____gal. Type____
    Location____
11. Water Sample Submitted? Yes____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Donald Slane Well No. 1
    Address 1562 Faithrone Road, Crete, Ill.
    Driller W. E. Wehling License No. 102-2
11. Permit No. 115716 Date 11-8-84
12. Water from____ (Formation)
    at depth____ to____ft.
13. County Will
    Sec. 16.6f
    Twp. 34N
    Rge. 14E
    Elev.____
14. Screen: Diam.____in.
    Length:____ft. Slot____
    150'N 80'W SEc NW SE NW
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galvanized	+1	64

SHOW LOCATION IN SECTION PLAT
150'N 80'W
SE/c NW SE NW

16. Size Hole below casing: 4-7/8 in.
17. Static level____ft. below casing top which is____ft. above ground level. Pumping level____ft. when pumping at____ gpm for____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	36	36
Clay & Gravel	12	48
Gravel	9	57
Gravel & Clay	6	63
Lime	47	110

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wendell B Wehling DATE Nov. 26, 1984

IDPH 4.065
1/74 – KNB-1

LOG OF WATER WELL

Property owner Midwest Utilities Well No. 106

Drilled by H. Hallerman Year 1968

Formations passed through	Thickness	Depth of Bottom
Soil	1	1
Yellow clay	16	17
Blue clay	51	68
Sand & Gravel	3	71
Limestone	81	152

[Continue on back if necessary]

Finished in limestone at 71 to 152 ft.

Cased with 5 inch galv casing from 0 to 71 ft.

and inch from to ft.

Size hole below casing 5 inch. Static level from surf. 1 ft.

Tested capacity 15 gal. per min. Temperature °F.

Water lowered to 2 ft in. in 1 hrs. min.

Length of test 1 hrs. min. Screen

Slot Diam Length Bottom set at ft.

[Show location in Section Plat]

Township name Elev.

Description of location

Sec. 22

Twp. 34N

Rge. 14E

Signed H. Hallerman County Will

Copy for Illinois State Water Survey Index:

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO D' .ERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled____. Finished in Drift____. In Rock____.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field 175
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank 150 Barnyard____
   Leaching Pit____ Manure Pile____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed 5-2-87
5. Permanent Pump Installed? Yes X Date 5-13 No____
   Manufacturer Red Jacket Type Sub Location Well.
   Capacity 110 gpm. Depth of Setting 80 Ft.
6. Well Top Sealed? Yes X No____ Type____
7. Pitless Adapter Installed? Yes X No____
   Manufacturer Mitchell Model Number____
   How attached to casing? Mechanical
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes X No____
10. Pressure Tank Size 315 gal. Type galv.
    Location Utility room
11. Water Sample Submitted? Yes____ No X

REMARKS:

Co. # 29538

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Andy Galatte Well No.____
    Address 8200 W. 111th St Palos Hills Il
    Driller Frank Sharpe License No. 102-177
11. Permit No. 131030 Date 4-21-87
12. Water from limestone Formation 13. County Will
    at depth 60 to 200 ft. Sec. 22-19
    Twp. 34N
    Rge. 14E
    Elev.____
14. Screen: Diam.____in.
    Length:____ft. Slot____

SHOW LOCATION IN SECTION PLAT
750'NL, 400'WL

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
8	SCH 40 PVC	0	61

16. Size Hole below casing: 7 7/8 in.
17. Static level____ft. below casing top which is 2 ft. above ground level. Pumping level____ft. when pumping at____ gpm for____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	10	10
Sand and gravel	50	60
Limestone	140	200

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGN Frank Sharpe. DATE 5-15-87

The following is an explanation of the ISWS Private Well Database Printout.

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        Illinois State Water Survey: Report from the Private Well Database

COLUMN =>          1         2         3         4         5         6         7         8         9
 #'s   =>  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
           171     13N11W063ASTEVE WISDOM                  BERGSCHNEIDER       0718979M0878550052L   00
```

Columns	Field Length	Name	Description
1-3	3	FIPS	County Code Number

FIPS means Federal Information Processing System and is a Federal number to designate a county.

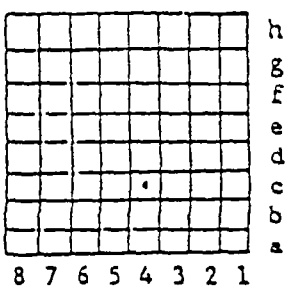
4-8	5	SGS County number	

SGS County number is the Geological Survey ID# that is assigned as an internal identification number.

9-18	10	Location	Township columns 9-11 Range columns 12-14 Section columns 15-16 Plot columns 12-18

The location system uses the township, range, and section. The location consists of five parts: county, township, range, section, and coordinate within the section. Sections are divided into rows of 1/8-mile squares. Each 1/8-mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains 8 rows of 1/8-mile squares; an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown in the diagram.

St. Clair County
T.2N., R.10W.
Sec. 23



The location of the well shown above is STC 2N10W-23.4c. Where there is more than one well in a 10-acre square they are identified by arabic numbers after the lower-case letter in the well number.

Columns	Field Length	Name	Description
19-48	30	Owner	
49-68	20	Driller	
69-75	7	Date	Month columns 69-70 Day columns 71-72 Century columns 73 Year columns 74-75
76	1	Permit code letter indicates agency which issued permit #. M Mines and Minerals (after 1988 only observation wells and irrigation wells) P Public Health - all non-community supplies E EPA - Community supplies N No fee X Undetermined	
77-82	6	Permit number	
83-86	4	Depth (in feet)	
87-90	4	Record type -	Indicates paper source that documents the well exists, since records were collected before well log submittal was required. L Log A Affidavit C Chemical analysis I Inventory X Indicates comment in owner field something unusual
91-92	2	Well use -	A two letter code indicating the usage of the well CM Commercial CO Conservation DO Domestic IN Industrial IR Irrigation MO Monitoring MU Municipal NC Non-Community OB Observation PK Park SC School ST State

Columns	Field Length	Name	Description
93-94	2	Well type -	A two letter code indicating the type of well Blank - Assumed drilled BD Bored and dug DU Dug (being phased out) DR Driven SP Sand point SG Spring
95-96	2	Aquifer type -	A two letter code indicating aquifer type BR Bedrock UN Unconsolidated

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, from chemical analysis reports, from well sealing forms or well inventory forms from the 1930-34 well survey and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been field verified.

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered manually from well logs submitted by the driller, from chemical analysis reports, from well sealing forms or well inventory forms from the 1980-1984 well survey and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

County: Will

Locations Involved in Search

TWN	RNG	SEC	PLOT
34N	14E	01	*
34N	14E	02	*
34N	14E	03	*
34N	14E	04	*
34N	14E	05	*
34N	14E	06	*
34N	14E	07	*
34N	14E	08	*
34N	14E	09	*
34N	14E	10	*
34N	14E	11	*
34N	14E	12	*
34N	14E	13	*
34N	14E	14	*
34N	14E	15	*
34N	14E	16	*
34N	14E	17	*
34N	14E	19	*
34N	14E	20	*
34N	14E	21	*
34N	14E	22	*
34N	14E	23	*
34N	14E	24	*
34N	14E	27	*
34N	14E	28	*

197	T4N14E01 BOUSOIS D	HOLLEMAN	1501971012194157	L	00*****
197	T4N14E01 PIEPENBRINK W	BAHLMAN	1000906 175	L	00*****
197	T4N14E01 THIRT F	TATTERWILL	1000949 105	L	00*****
197	T4N14E01 TINNEY	TATTERWILL	0000000 123	L	00*****
197	T4N14E01 STOYNOF P	STINNETT	1031968004342162	L	00*****
197	T4N14E01 HATCHAK S	STINNETT	1031968004342160	L	00*****
197	T4N14E01 RATKOVICH S	STINNETT	0716969005855150	L	00*****
197	T4N14E01 RATKOVICH S	STINNETT	0723969005855150	L	00*****
197	T4N14E01 MARTELLO G	SHARPE	0612954109730180	L	00*****
197	T4N14E011CLERMEAT R	HOLLEMAN	0514976046123200	L	00*****
197	T4N14E011DMOELLER E	HOLLEMAN	0515978071744175	L	00*****
197	T4N14E011EFONSA E	BAHLMAN	070904 95	L	00*****
197	T4N14E011HSTARR R	WEHLING	0502969007255160	L	00*****
197	T4N14E011JJOHNSON P	HOLLEMAN	1501976046126185	L	00*****
197	T4N14E011JNOLAN J	HOLLEMAN	0531978071745185	L	00*****
197	T4N14E013APIEPENBRICK P	WEHLING	1421972017011170	L	00*****
197	T4N14E02 JUTERLING L	WEHLING	0000950 162	L	00*****
197	T4N14E02 IROWLEY E	HOLLEMAN	1525972017429160	L	00*****
197	T4N14E02EHMOSREGORY W	SHARPE	1512976047868150	L	00*****
197	T4N14E02EJSEPPELLOWZ G	KNIERIM	1511975119557130	L	00*****
197	T4N14E021LYNSY C	LOCKPORT	1201974034788265	L	00*****
197	T4N14E021MARKONIC T	KNIERIM	1509973022128153	L	00*****
197	T4N14E023AMITCHELLTREE W	WEHLING	1008968006030162	L	00*****
197	T4N14E023AMITCHELLTREE W	WEHLING	1008969006030175	L	00*****
197	T4N14E03 LIGLER E	WEHLING	0000947 147	L	00*****
197	T4N14E03 MARTING W	KRAMER	0000940 138	LC	00*****
197	T4N14E03 KEATING E	KRAMER	0000940	L	00*****
197	T4N14E03 FETTEL C	KRAMER	0000940	L	00*****
197	T4N14E03 JOHANNSEN A	WORTH	0000942 150	L	00*****
197	T4N14E03 BROWN R	WEHLING	0200966 171	L	00*****
197	T4N14E03 ALLEN R	WEHLING	0428967001825161	L	00*****
197	T4N14E03 TERJAC CONST	WEHLING	0531968004991151	L	00*****
197	T4N14E03 EGGANA J	HOLLEMAN	0000968005283180	L	00*****
197	T4N14E03 RANIC K	HOLLEMAN	1001971014404159	L	00*****
197	T4N14E03 SHYMKUS J	WEHLING	0716973024030151	L	00*****
197	T4N14E03 SCHLEUTER R LOT 4	HOLLEMAN	0416974028079165	L	00*****
197	T4N14E03 HARRETT BLDR LOT10	KNIERIM	0105976043927140	L	00*****
197	T4N14E03 PESKO J LOT 12	HOLLEMAN	0203977056134163	L	00*****
197	T4N14E03 WALKEY G	HOLLEMAN	1025977067623163	L	00*****
1972906T4N14E03	PATTENS C	SHARPE	0822936126044180	L	00*****
1972835T4N14E03	VANDER P	SHARPE	0710985117270180	L	00*****
1972888T4N14E03	GRAHAM T NOT DRILLED	SHARPE	1128987124148	LX	00*****
1972871T4N14E03	PIUNTI J	SHARPE	0212987129315180	L	00*****
197 T4N14E03	STEVENS B LOT 12	SHARPE	0308984110952150	L	00*****
197 T4N14E03	ASHBRENNER	WEHLING	0900965 161	LIC	00*****
197 T4N14E03	DOROSH J LOT 3	HOLLEMAN	0518974029625160	L	00*****
197 T4N14E03	NICOLLAZI A LOT 15	SHARPE	1026984114893160	L	00*****
197 T4N14E03	LEINSE E LOT 1	SHARPE	0625973038442160	L	00*****
197 T4N14E03	MARTING W	KRAMER	0000940 138	L	00*****
197 T4N14E03EBHOIK J	WEHLING	0925968005888172	L	00*****
197 T4N14E03KENNEDY D	WEHLING	0510969007149162	L	00*****
197 T4N14E03FERABOW J	WEHLING	1116972020853161	L	00*****
197 T4N14E03DOBIBG M	WEHLING	0504973022271161	L	00*****
197 T4N14E03DSCHNEIDER(MARSTON J)	WEHLING	0909968005881173	L	00*****
197 T4N14E03DTREIM L	WEHLING	1002968005860200	L	00*****
197 T4N14E03ERADZ R	WEHLING	0523972017712162	L	00*****

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         1         2         3         4         5         6         7         8         9
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
197     34N14E035ETREEHOFF BLDRS                WEHLING          1101970010601161 L   DO*****
197     34N14E036AFOEEMAN L                     HOLLEMAN         0711976049391180 L   DO*****
197     34N14E036AGIERCZYK J LOT 8              WEHLING          0803979087894155 L   DO*****
197     34N14E036BDORICH R LOT 1                WEHLING          1006977067753140 L   DO*****
1972886634N14E036CGRAHAM T                      WEHLING          0528986126866160 L   DO*****
197     34N14E036DGREENBRIER SEWAGE PLANT       WEHLING          0227968004323101 L   CM*****
197     34N14E037BKOCKER H                      WEHLING          0818969005662167 L   DO*****
197     34N14E037CMAGLE H                       WEHLING          1023973025074161 L   DO*****
197     34N14E037FWARNOCK C                                      0000987      100 C   DO*****
197     34N14E038AAMRAM J                       WEHLING          0717968005356152 L   DO*****
197     34N14E038DGARRETT J                     WEHLING          0715969005458150 L   DO*****
197     34N14E038DRICHARDSON R                  WEHLING          0327974029215151 L   DO*****
197     34N14E038DROMANDRINE P                  WEHLING          1011976052456152 L   DO*****
1972875734N14E038GKMETTY G                      SHARPE           0440698122817180 L   DO*****
197     34N14E04  GARRETT BLDRS                 KNIERIM          0325976043925160 L   DO*****
197     34N14E04  SCHREMENTI J                  HOLLEMAN         0000966      157 L   DO*****
197     34N14E04  GARRETT J                     KNIERIM          0105976043926140 L   DO*****
197     34N14E04  GREVEN R                      SHARPE           0325976044199150 L   DO*****
197     34N14E041ABRUIN W LOT 1                 WEHLING          0617969007632152 L   DO*****
197     34N14E043CCHAPMAN BLDRS                 KNIERIM          0401976043996150 L   DO*****
197     34N14E044AKING J                        WEHLING          0905967003360150 L   DO*****
197     34N14E044BBLJEZERNICH R LOT 17          STINNETT         0717980094576 88  L   DO*****
197     34N14E045HSOUCIE D                      WEHLING          0909974031507171 L   DO*****
197     34N14E048ASPANO OPEN AIR MARKET         WEHLING          0618977061240200 L   CM*****
197     34N14E048HFIRTH D                       KNIERIM          0706984113223180 L   DO*****
197     34N14E04__PASLELLA A                    WEHLING          0000944      116 L   DO*****
197     34N14E05  WHITE J                       JAHNS            0000925       86  L   DO*****
197     34N14E05  COLEMAN W                     WEHLING          0000949      167 L   DO*****
197     34N14E05  CANNON J                      WEHLING          0000949      131 L   DO*****
197     34N14E05  LICKFERN W                    WEHLING          0000949      122 L   DO*****
197     34N14E05  MOELLER C                     WEHLING          0000949      111 L   DO*****
197     34N14E05  SHERIDAN T                    WEHLING          0000944      111 L   DO*****
197     34N14E05  WITHERS R                     HOLLEMAN         0000966      155 L   DO*****
197     34N14E05  AEBI C                        WEHLING          0706967002847153 L   DO*****
197     34N14E05  REGAN P                       HOLLEMAN         0000969006529168 L   DO*****
197     34N14E05  TIDD N                        HOLLEMAN         0420971012090120 L   DO*****
197     34N14E05  DEFESE G LOT 42               HOLLEMAN         1101973025717165 L   DO*****
197     34N14E05  BUXTEN LOT 22                 HOLLEMAN         0321974025452175 L   DO*****
197     34N14E05  WOENER S                      HOLLEMAN         0621975038168200 L   DO*****
197     34N14E05  LSD CONST                     SHARPE           0228974027647150 L   DO*****
1972917934N14E056BCRUMBAUGH L                   SHARPE           1028986127568200 L   DO*****
197     34N14E056CHELSEL R                      WEHLING          0916971014569162 L   DO*****
1972832934N14E057ACAVE G                        SHARPE           0401985116795160 L   DO*****
197     34N14E057CSTAREGO C                     WEHLING          1107969008652160 L   DO*****
197     34N14E058BCRUMBOUGH L                   WEHLING          0829970010288181 L   DO*****
197     34N14E058BGRIMMETT C                    KNIERIM          0823978078627160 L   DO*****
197     34N14E058BHARTMAN H                     WEHLING          0105979082959181 L   DO*****
197     34N14E058SWILSHAR HOMES                 WILL DUPAGE CO   1224978082887190 L   DO*****
197     34N14E06  BOCK A                        JAHNS            0000920      114 L   DO*****
197     34N14E06  RIESSEN P                     JAHNS            0000921      111 L   DO*****
197     34N14E06  THOMPSON                      JAHNS            0000921      115 L   DO*****
197     34N14E06  SULIVAN E                     WEHLING          0000949      137 L   DO*****
197     34N14E06  VOIGT T                       HOLLEMAN         0210973020937202 L   DO*****
1972935034N14E06  STREIB L                      SHARPE           0407987129131180 L   DO*****
197     34N14E06  OHLEMBURG C                   WEHLING          0000980          L   DO*****
197     34N14E06  MAHNKE A                      HOLLEMAN         0000966      170 L   DO*****
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197	I4N14E0[illegible]	DANELI P	WEHLING	1[illegible]0000[illegible]156	L	00*****
197	I4N14E0[illegible]	HELGEL D	HOLLEMAN	0000967 182	L	00*****
197	I4N14E0[illegible]	DWKRON P	WEHLING	1111768006394162	L	00*****
197	I4N14E0[illegible]	ESPOSITO P	STINNETT	1023768006272190	L	00*****
197	I4N14E0[illegible]	GREENSPAN S	HOLLEMAN	1024978077267160	L	00*****
197	I4N14E0[illegible]	AGUIGI L	HOLLEMAN	0911977022139200	L	00*****
197	I4N14E0[illegible]	JONES E	FOYLE	0106977036550120	L	00*****
197	I4N14E0[illegible]	YOUNG B	KNIERIM	1026973026178180	L	00*****
197	I4N14E0[illegible]	JOLLESTER R	HOLLEMAN	0823932104430200	L	00*****
197	I4N14E0[illegible]	SCHMECKPEPER W	HOLLEMAN	0706991100369200	L	00*****
197	I4N14E0[illegible]	STREIB L	SHARPE	0913983109143200	L	00*****
197	I4N14E0[illegible]10SMITH J	KNIERIM	0931974031926200	L	00*****
197[illegible]I4N14E061FJEFFERSON C	SHARPE	0218996122098200	L	00*****
197	I4N14E062ETAYLOR J	0000956 143	C	00*****
197	I4N14E06[illegible]EDERKS BLORS	KNIERIM	1116978080441115	L	00*****
197	I4N14E0[illegible]IAROSSI V	SHARPE	0803977062308180	L	00*****
197	I4N14E064DLINDHOUT T	SHARPE	0518978071823200	L	00*****
197	I4N14E164BTUVNSENDY R	KNIERIM	0700970010098220	L	00*****
197	I4N14E065DIENER T	FOYLE	1010969006074170	L	00*****
197	I4N14E06[illegible]FRANEZYK D	HOLLEMAN	0[illegible]2977002249200	L	00*****
197	I4N14E1[illegible]9STOCKING L	HOLLEMAN	0619975036763190	L	00*****
197	I4N14E0[illegible]HHOWARD F	STINNETT	0704979089187118	L	00*****
197	I4N14E067HPEIGUSS F	KNIERIM	0502978072291180	L	00*****
197	I4N14E0[illegible]HCAHOON B	SHARPE	1027984115349200	L	00*****
197	I4N14E068HPEIGUSS F	KNIERIM	0117972016118180	L	00*****
197	I4N14E06[illegible]HFORBES G	HOLLEMAN	0824981100993180	L	00*****
197	I4N14E063HVADER C	WILL DUPAGE CO	0815977065234175	L	00*****
197[illegible]I4N14E06[illegible]HTIERI F	KNIERIM	0613986124471230	L	00*****
197	I4N14E07 ZUBERG J	WEHLING	0000948 90	L	00*****
197	I4N14E07 CASSARA G	WEHLING	0000948 131	L	00*****
197	I4N14E07 BROOKS J	WEHLING	0000949 122	L	00*****
197	I4N14E07 CSSARA A	WEHLING	0000948 160	L	00*****
197	I4N14E07 ALBRIGHT E	0000945 127	L	00*****
197	I4N14E07 APRILLE S	WEHLING	0000945 115	L	00*****
197	I4N14E07 BCHIRRA C	SASS	0000913 91	L	00*****
197	I4N14E07 CASSARA F	WEHLING	0000948 136	L	00*****
197	I4N14E07 BCHRAGGE E	WEHLING	0000945 155	L	00*****
197	I4N14E07 MIKUTA J	WEHLING	1000965 161	L	00*****
197	I4N14E07 PARKE B	WEHLING	0600966 146	L	00*****
197	I4N14E07 BROMEK V	HOLLEMAN	0000967 160	L	00*****
197	I4N14E07 URNEZ W	WEHLING	0728967002619136	L	00*****
197	I4N14E07 FURY W	HOLLEMAN	0000967 173	L	00*****
197	I4N14E07 MONTETON R	STINNETT	0503968004793150	L	00*****
197	I4N14E07 MERKLE M	HOLLEMAN	0000969006807173	L	00*****
197	I4N14E07 MICHELS T	HOLLEMAN	0000969 158	L	00*****
197	I4N14E07 DAVIS J	WEHLING	1001969008221181	L	00*****
197	I4N14E07 IONA N	HOLLEMAN	0530972017086154	L	00*****
197	I4N14E07 PRINCE	WILL DUPAGE CO	0629973017267150	L	00*****
197	I4N14E07 DALE BLORS	SHARPE	1007974032658175	L	00*****
197	I4N14E07 KNAACK E	HOLLEMAN	0715982103715150	L	00*****
197	I4N14E07 IONA N	HOLLEMAN	0801979082097160	L	00*****
197	I4N14E07 WESTON L	HOLLEMAN	0615973021237163	L	00*****
197	I4N14E07 PERINO J	SHARPE	1106974034375200	L	00*****
197[illegible]I4N14E07 NORTON R	SHARPE	0715983113909200	L	00*****
197	I4N14E07 FRIPTIED P	SHARPE	0622976048509180	L	00*****
197	I4N14E07 BROMEK V	HOLLEMAN	0823991100993160	L	00*****

197	I4N14E071HDAGMARTE E	HOLLEMAN	1709982103907160	L	00*****	
197	I4N14E072EMEADWOOD ELE SCHOOL	WEHLING	0000960	200	LC	00*****
197	I4N14E072HWILSHAR HOMES	KNIERIM	1110977066339127	L	00*****	
197	I4N14E074HREEVEN R	WEHLING	0107771012270171	L	00*****	
197	I4N14E075DIASGARA F	WEHLING	1005983109574135	L	00*****	
197	I4N14E076FIIENBIARK R	WEHLING	0314975036373141	L	00*****	
197	I4N14E077ALEIMER W	WEHLING	1821969008084152	L	00*****	
197	I4N14E077DNEILIP R	WEHLING	0913971013527136	L	00*****	
197	I4N14E077EKEFFEL F	WEHLING	1003984114944160	L	00*****	
1972344	I4N14E077HNEDLSEN H	KNIERIM	0703985118727180	L	00*****	
197	I4N14E078EPLSENBING K	KNIERIM	0700977001022150	L	00*****	
1972336	I4N14E078EJOEL CONST	KNIERIM	0413983120302140	L	00*****	
197	I4N14E078GDULL T	WEHLING	0603969007303153	L	00*****	
197	I4N14E08 CARWIN G	WEHLING	0000948	144	L	00*****
197	I4N14E08 HAFER E	WEHLING	0000947	184	L	00*****
197	I4N14E08 BADER L	WEHLING	0000946	123	L	00*****
197	I4N14E08 BUCHMEIER H	HOLLEMAN	0000965	163	L	00*****
197	I4N14E08 GAINES C	HOLLEMAN	1012977021602177	L	00*****	
1972337	I4N14E08 HOMMACK M	SHARPE	1105987173442140	L	00*****	
197	I4N14E09 GAINES C	HOLLEMAN	1402974027770165	L	00*****	
197	I4N14E06 PALLA D	SHARPE	1024977057817160	L	00*****	
197	I4N14E08 PRALLE DAIRY	THORNE	0000935	165	IC	CM*****
197	I4N14E081AGAINES C	WEHLING	0500960	161	L	00*****
197	I4N14E081GM AND G	WEHLING	1126975043003141	L	00*****	
197	I4N14E082CMURKS C	WEHLING	0210969006783163	L	00*****	
197	I4N14E084CGAINES R	KNIERIM	1012979088495160	L	00*****	
197	I4N14E085CWOLF V	WEHLING	0525973022632161	L	00*****	
197	I4N14E085GRANSOM E	WEHLING	1023968006167121	L	00*****	
197	I4N14E086SHACKEL M	SHARPE	1016984115196180	L	00*****	
197	I4N14E09 LONG D	CASKEY	0000930	115	L	00*****
197	I4N14E09 JUNGE H	CASKEY	0000931	133	L	00*****
197	I4N14E09 HOWARD L	KRAMER	0000932	137	L	00*****
197	I4N14E09	KRAMER C	0000928	107	L	00*****
197	I4N14E09 ALLGRD	KRAMER	0000927	130	L	00*****
197	I4N14E09 LINCOLNSHIRE COUNTRY CLUB	KRAMER	0000929	134	L	00*****
197	I4N14E09 LINCOLNSHIRE COUNTRY CLUB	KRAMER	0000929	128	L	00*****
197	I4N14E09 CHRISTOPHER B	WEHLING	0000949	116	L	00*****
197	I4N14E09 NEWELL	WEHLING	0000942	99	L	00*****
197	I4N14E09 MASHBURN S	SHARPE	0930977090053110	L	00*****	
197	I4N14E09 KING J	HOLLEMAN	0825974032132162	L	00*****	
197	I4N14E09 MONT WARD HOUSE	KRAMER	0000932	130	L	CM*****
197	I4N14E097FJUSTICE W	KNIERIM	0330971012019160	L	00*****	
197	I4N14E098ABAMMANN D	WEHLING	0828968005711203	L	00*****	
197	I4N14E098ENADLER W	WEHLING	1201971015464147	L	00*****	
197	I4N14E10 THRAMER W	BAHLMAN	0500906	115	L	00*****
197	I4N14E10 EPHGRAVE J	WEHLING	0207978070830161	L	00*****	
197	I4N14E105ANEALE H	WEHLING	0611968005083152	L	00*****	
197	I4N14E106EBABAKI J	WEHLING	1110972019379997	L	00*****	
197	I4N14E106EMONTGOMERY IMPROVEMENTS	WEHLING	0609968005333203	L	00*****	
1972861	I4N14E107BFEREI C	WEHLING	1024985120969133	L	00*****	
197	I4N14E11 MEIER W	WEHLING	0000945	205	L	00*****
197	I4N14E11 TRIEBOLD W	WEHLING	0000984		L	00*****
197	I4N14E11 HOLLEMAN	HOLLEMAN	0000966	136	L	00*****
197	I4N14E11 PROSTKO H	HOLLEMAN	0000968	152	L	00*****
197	I4N14E11 ZUIRAITIS A	HOLLEMAN	0000969	163	L	00*****

197	T4N14E11	SIMONOUTIS S	HOLLEMAN	0630970008903163	L	00*****
197	T4N14E11	ICARED M	HOLLEMAN	0910970 150	L	00*****
197	T4N14E11	MEIER M	WEHLING	0000982	L	00*****
197	T4N14E11	TOOCKULUK M	HOLLEMAN	1123971014682160	L	00*****
197	T4N14E11	PETREUST P	HOLLEMAN	0910972019190162	L	00*****
197	T4N14E11	VANDERWALL H	HOLLEMAN	1125973026391160	L	00*****
197	T4N14E11	PILNEY J	HOLLEMAN	0616975036942160	L	00*****
197	T4N14E11	REETWELD J	HOLLEMAN	1020975041699160	L	00*****
197	T4N14E11	COMMONWEALTH EDISON	WEHLING	0000957 202	L	2M*****
197	T4N14E11	COMMONWEALTH EDISON	WEHLING	0000957 300	L	2M*****
197	T4N14E111FYOUNG G		HOLLEMAN	0715971012165140	L	00*****
197	T4N14E111HWACLAWEK A		HOLLEMAN	0000968005873163	L	00*****
197	T4N14E112CRIPLEY HOME		KNIERIM	1105976053378140	L	00*****
197	T4N14E112GGERRY T		HOLLEMAN	0310978071743160	L	00*****
197	T4N14E116ETOLLERUD E		WEHLING	0119971011707121	L	00*****
197	T4N14E12 MCBRIEN R		WEHLING	0000947 92	L	00*****
197	T4N14E12 SEINKO E		HOLLEMAN	0000966 185	L	00*****
197	T4N14E12 IONICA P		HOLLEMAN	0000966 143	L	00*****
197	T4N14E12 INRONT G		HOLLEMAN	0000963 165	L	00*****
197	T4N14E12 MALANE B		HOLLEMAN	0000963 165	L	00*****
197	T4N14E12 EVANS R		STINNETT	0210969006719180	L	00*****
197	T4N14E12 SOOT W		HOLLEMAN	0000969007585164	L	00*****
197	T4N14E12 KAMIS E		HOLLEMAN	0000969006793152	L	00*****
197	T4N14E12 KAMIS J		HOLLEMAN	0000969006792195	L	00*****
197	T4N14E12 QUINLAN M		SHARPE	1118977069360180	L	00*****
197	T4N14E12 RIGONI V		SHARPE	0924977065489160	L	00*****
197	T4N14E12 SPEGON W		HOLLEMAN	0715969007587160	L	00*****
197	T4N14E12 TURNROOS G		HOLLEMAN	0730970010159155	L	00*****
197	T4N14E12 SLAGER J		HOLLEMAN	0816971012928156	L	00*****
197	T4N14E12 ALDIA E		HOLLEMAN	0920971013270158	L	00*****
197	T4N14E12 MARSIGLIO L		HOLLEMAN	1002972019186160	L	00*****
197	T4N14E12 OLD TOWN BLDRS(WIRTH)		WILL DUPAGE CO	0626973021922160	L	00*****
197	T4N14E12 RIETWELD P		HOLLEMAN	0903975040237160	L	00*****
197	T4N14E12 RIETWELD R		HOLLEMAN	0910975040661160	L	00*****
197	T4N14E12 RIGGIS J		HOLLEMAN	0819975040240175	L	00*****
197	T4N14E12 TARALA J		KNIERIM	1019977067967100	L	00*****
197	T4N14E12 FEMIGENBUG J		HOLLEMAN	1018977066282160	L	00*****
197	T4N14E12 FOBERG B		HOLLEMAN	1220977070243165	L	00*****
197	T4N14E12 LUTKUS R		HOLLEMAN	0605978074331165	L	00*****
197	T4N14E12 RAGGENEEN J		HOLLEMAN	1209978082596160	L	00*****
197	T4N14E12 ROBY D		SHARPE	1223977070119180	L	00*****
197	T4N14E12 BOND BLDRS		SHARPE	1029977059267160	L	00*****
197	T4N14E12 RUTWELD P		HOLLEMAN	0920981101349160	L	00*****
1972847474N14E12	AERTS J		SHARPE	0726985119219160	L	00*****
197	T4N14E12 MALANE B		HOLLEMAN	0000968 165	L	00*****
197	T4N14E12 EVANS R		STINNETT	0210969006719180	L	00*****
197	T4N14E12 SOOT W		HOLLEMAN	0000969007585164	L	00*****
197	T4N14E12 KAMIS E		HOLLEMAN	0000969006793152	L	00*****
197	T4N14E12 KAMIS J		HOLLEMAN	0000969006792195	L	00*****
197	T4N14E12 QUINLAN M		SHARPE	1118977069360180	L	00*****
197	T4N14E12 RIGONI V		SHARPE	0924977065489160	L	00*****
197	T4N14E12 SPEGON W		HOLLEMAN	0715969007587160	L	00*****
197	T4N14E12 TURNROOS G		HOLLEMAN	0730970010159155	L	00*****
197	T4N14E12 SLAGER J		HOLLEMAN	0816971012928156	L	00*****
197	T4N14E12 ALDIA E		HOLLEMAN	0920971013270158	L	00*****
197	T4N14E12 MARSIGLIO L		HOLLEMAN	1002972019186160	L	00*****

Illinois State Water Survey Report from the Private Well Database. Fill Pi Page :

197	T4N14E12	OLD TOWN BLDRS(WIPTH	HILL DEPOSE CO	1[illegible]	L	00*****
197	T4N14E12	RIETWELD F	HOLLEMAN	1903975040237160	L	00*****
197	T4N14E12	RIETWELD R	HOLLEMAN	1910975040261160	L	00*****
197	T4N14E12	RIGGIS J	HOLLEMAN	1319975040240175	L	00*****
197	T4N14E12	TARALA J	KNIERIM	1319977067967100	L	00*****
197	T4N14E12	HAEMKER F	WEHLING	0000977	L	00*****
197	T4N14E12	FOBERG B	HOLLEMAN	1220977070243165	L	00*****
197	T4N14E12	LUTKUS R	HOLLEMAN	0603978074331165	L	00*****
197	T4N14E12	RAGGENEEN C	HOLLEMAN	1209978082396160	L	00*****
197	T4N14E12	ROSY D	SHARPE	1223977070119180	L	00*****
197	T4N14E12	BOND BLDRS	SHARPE	1327977059267160	L	00*****
197	T4N14E12	ROTWELD F	HOLLEMAN	0920981101349160	L	00*****
197	T4N14E12	HAEMKER F	WEHLING	0000977	L	00*****
197	T4N14E12	FEMIGENBUG J	HOLLEMAN	1018977066282160	L	00*****
197	T4N14E12	DONICA P	HOLLEMAN	0000966 143	L	00*****
197	T4N14E12	DWRONT G	HOLLEMAN	0000968 165	L	00*****
197	T4N14E12	MOSRIEN R	WEHLING	0000947 92	L	00*****
197	T4N14E12	BEINKO E	HOLLEMAN	0000966 135	L	00*****
197[illegible]4N14E12	AERTS J	SHARPE	1[illegible]1978511921916[illegible]	L	00*****
197	T4N14E12DAARRE DONS	KNIERIM	1730990092577150	L	00*****
197	T4N14E12DAARRE DONS	KNIERIM	1730990092577150	L	00*****
197	T4N14E12DDERICKSON E	HOLLEMAN	0701978070237195	L	00*****
197	T4N14E12DDIGGERSTAFF	KNIERIM	0729970010216180	L	00*****
197	T4N14E12DDIGGERSTAFF	KNIERIM	0729970010216180	L	00*****
197	T4N14E12DDERICKSON E	HOLLEMAN	0701978070237195	L	00*****
197	T4N14E12FCHAPMAN BLDRS	KNIERIM	1230976055685270	L	00*****
197	T4N14E12FCHAPMAN BLDRS	KNIERIM	1230976055663270	L	00*****
197	T4N14E12GAKATNOS T	SHARPE	1115977026097190	L	00*****
197	T4N14E12GAKATNOS T	SHARPE	1115973026097190	L	00*****
197	T4N14E124AHANSEN K	WEHLING	0814974032023176	L	00*****
197	T4N14E124AHANSEN K	WEHLING	0814974032027176	L	00*****
197	T4N14E124CPIERCE K	STINNETT	0502979084278122	L	00*****
197	T4N14E124CPIERCE K	STINNETT	0502979084278122	L	00*****
197	T4N14E125ACHAPMAN BLDRS	KNIERIM	0826978078601150	L	00*****
197	T4N14E125ACHAPMAN BLDRS	KNIERIM	0826978078601150	L	00*****
197	T4N14E125BREICHERT R	WEHLING	1231969008836161	L	00*****
197	T4N14E125BREICHERT R	WEHLING	1231969008836161	L	00*****
197	T4N14E125BREICHERT R	WEHLING	1226969008837161	L	00*****
197	T4N14E125BREICHERT R	WEHLING	1226969008837161	L	00*****
197	T4N14E125BREICHERT R	WEHLING	1218969008838161	L	00*****
197	T4N14E125BREICHERT R	WEHLING	1218969008838161	L	00*****
197	T4N14E125DNOMMENSEN H	WEHLING	0110970008916161	L	00*****
197	T4N14E125DBATTAGLIA J	WEHLING	0207972014567161	L	00*****
197	T4N14E125DREINKING G	WEHLING	013197214568 161	L	00*****
197	T4N14E125DNOMMENSEN H	WEHLING	0110970008916161	L	00*****
197	T4N14E125DYEAGLE M	WEHLING	0824970009605161	L	00*****
197	T4N14E125DREINKING G	WEHLING	013197214568 161	L	00*****
197	T4N14E125DPAWALSKI H	WEHLING	0928971014313161	L	00*****
197	T4N14E125DYEAGLE M	WEHLING	1824970009605161	L	00*****
197	T4N14E125DBATTAGLIA J	WEHLING	0207972014567161	L	00*****
197	T4N14E125DPAWALSKI H	WEHLING	0928971014313161	L	00*****
197	T4N14E125DDARTA K	WEHLING	0512973023037161	L	00*****
197	T4N14E125DTRAISE T	WEHLING	0602971012502161	L	00*****
197	T4N14E125DJACKSON W	WEHLING	0911970010374212	L	00*****
197	T4N14E125DDARTA K	WEHLING	0512973023037161	L	00*****
197	T4N14E125DTRAISE T	WEHLING	0602971012502161	L	00*****

197	I4N14E12[illegible]JACKSON W	WEHLING	0911970010374212	L	00*****		
197	I4N14E12[illegible]VUKODINIVICK G	WEHLING	0803971012503160	L	00*****		
197	I4N14E12[illegible]BAUER C	WEHLING	0221972015308161	L	00*****		
197	I4N14E12[illegible]BAUER C	WEHLING	0221972015308161	L	00*****		
197	I4N14E12[illegible]CANNON T	WEHLING	0807971012646160	L	00*****		
197	I4N14E12[illegible]CANNON T	WEHLING	0807971012646160	L	00*****		
197	I4N14E12[illegible]REICHERT BLDRS	WEHLING	1116977067751161	L	00*****		
197	I4N14E12[illegible]REICHERT BLDRS	WEHLING	1116977067751161	L	00*****		
197	I4N14E12[illegible]VUKODINIVICK G	WEHLING	0803971012503160	L	00*****		
197	I4N14E12[illegible]BAKKOM T	WEHLING	0527971012501161	L	00*****		
197	I4N14E12[illegible]REICHERT R	WEHLING	1127970009604161	L	00*****		
197	I4N14E12[illegible]REICHERT R	WEHLING	1127970009604161	L	00*****		
197	I4N14E12[illegible]BAKKOM T	WEHLING	0527971012501161	L	00*****		
197	I4N14E12[illegible]CRAWFORD L	HOLLEMAN	0315978071746160	L	00*****		
197	I4N14E12[illegible]CRAWFORD L	HOLLEMAN	0315978071746160	L	00*****		
1972[illegible]I4N14E12[illegible]MIEDEMA C	SHARPE	0527987131395160	L	00*****			
1972[illegible]I4N14E12[illegible]MIEDEMA C	SHARPE	0527987131395160	L	00*****			
197	I4N14E13 SCHAEL V	WEHLING	0000949	192	L	00*****	
197	I4N14E13 BOBBETT F	HOLLEMAN	0000967	185	L	00*****	
197	I4N14E13 EHRICH H	HOLLEMAN	0000967	193	L	00*****	
197	I4N14E13 BRONLSTIA J	HOLLEMAN	0000961	150	L	00*****	
197	I4N14E13 SANIK E	HOLLEMAN	0000968	182	L	00*****	
197	I4N14E13 REIDENGA R	HOLLEMAN	0000967	189	L	00*****	
197	I4N14E13 FRACHEY R	HOLLEMAN	0000968	162	L	00*****	
197	I4N14E13 PIECZYNSKI J	SHARPE	1015977066413160	L	00*****		
197	I4N14E13 FERGUSON D	SHARPE	1007977067958140	L	00*****		
197	I4N14E13 ERICKSON R	SHARPE	1003977067957140	L	00*****		
197	I4N14E13 BOOT N	SHARPE	0906977065842140	L	00*****		
197	I4N14E13 DOMAN P	STINNETT	0722968005098180	L	00*****		
197	I4N14E13 WALTERS G	HOLLEMAN	0725969007661167	L	00*****		
1973000[illegible]I4N14E13 URBANCZYK M	SHARPE	1002978135901160	L	00*****			
197	I4N14E13 LESTER C	SHARPE	0830974031908160	L	00*****		
197	I4N14E13 THRUSH B	SHARPE	0826974031341160	L	00*****		
1972[illegible]I4N14E13 VICTOR E	SHARPE	0910986125940180	L	00*****			
1972[illegible]I4N14E13 OCONNOR M	SHARPE	0916986125941160	L	00*****			
1972[illegible]I4N14E13 RAPKA B	SHARPE	1205987136448180	L	00*****			
197	I4N14E13 JAMES E	FOYLE	1018971014583135	L	00*****		
197	I4N14E13 TAB CONST	SHARPE	0918973025084180	L	00*****		
197	I4N14E13 KARSTAN D	SHARPE	0510977057443160	L	00*****		
197	I4N14E13 DANTELE T	HOLLEMAN	0606973020936167	L	00*****		
197	I4N14E13 LENCKI P	HOLLEMAN	0722974029019190	L	00*****		
197	I4N14E13 TORMEY J	HOLLEMAN	1119974031641165	L	00*****		
197	I4N14E13 POCYGA D	HOLLEMAN	0502973036767185	L	00*****		
197	I4N14E13 KASCHER J	HOLLEMAN	0628973037168160	L	00*****		
197	I4N14E13 CHAPMAN BLDRS	KNIERIM	0519976047352150	L	00*****		
197	I4N14E13 DUBBEN T	WEHLING	0600976050107141	L	00*****		
197	I4N14E13 BISHOP D	HOLLEMAN	0214976044168160	L	00*****		
197	I4N14E13 BLDRS	KNIERIM	0120977055084160	L	00*****		
197	I4N14E13 DICARLO V	KNIERIM	0622978074573120	L	00*****		
197	I4N14E13 BIGGERSTAFF B	SHARPE	0714985119903190	L	00*****		
197	I4N14E13 BAAKER J	WEHLING	0000975	L	00*****		
197	I4N14E13[illegible]HSVSNOWSKI J	HOLLEMAN	0525973021358190	L	00*****		
197	I4N14E13[illegible]HUNTER L	KNIERIM	0707972017353168	L	00*****		
197	I4N14E13[illegible]FANDRICEK J	KNIERIM	0801974031275170	L	00*****		
1972977[illegible]I4N14E13[illegible]MARCHESE M	SHARPE	0909987133387190	L	00*****			
197	I4N14E13[illegible]BOVA J	WEHLING	0202981098313240	L	00*****		

197	T4N14E1[illegible]MATOKAR T	KNIERIM	1102976055960200	L	00*****
197	T4N14E133DMARCONI T	WEHLING	1105970010603228	L	00*****
197	T4N14E1[illegible]FCHAPMAN BLD	KNIERIM	0721970010117170	L	00*****
197	T4N14E133FANGRUSEK J	KNIERIM	0721974031456170	L	00*****
197	T4N14E133HBOBIE B	HOLLEMAN	0522976008872152	L	00*****
197	T4N14E133HJOHNSON B	WEHLING	0428972016774178	L	00*****
197	T4N14E134CBOLDIE R	WEHLING	1004968004990162	L	00*****
197	T4N14E134DTADROWSKI B	WEHLING	0302971011706142	L	00*****
197	T4N14E134FBAKKER J	WEHLING	1121969008885191	L	00*****
197	T4N14E134GDILLEMBECK J	HOLLEMAN	1023970010592150	L	00*****
197	T4N14E134HPOWDRS T	FOYLE	1107971115304180	L	00*****
197	T4N14E135HRAGLAND G	WEHLING	1209971015718163	L	00*****
197	T4N14E136CHAPMAN BLDRS	KNIERIM	0720970010118180	L	00*****
197	T4N14E137CJONES R	KNIERIM	0701976048602180	L	00*****
197	T4N14E137DJONES R	KNIERIM	0915975040461180	L	00*****
197	T4N14E138BENCH J	WILL DUPAGE CO	0221977032645150	L	00*****
197	T4N14E14 SHUETSLE	TATTERNOLL	0000949 128	L	00*****
197	T4N14E14 MOST M	WEHLING	0000974	L	00*****
197	T4N14E144HOLBLAND B	WEHLING	0117969006660130	L	00*****
1972869[illegible]T4N14E144BHAMILTON A	WEHLING	1102986121906160	L	00*****
197	T4N14E15 WITLOCK	KRAMER	0000933 132	L	00*****
197	T4N14E15 MCCOY	KRAMER	0000933 131	L	00*****
197	T4N14E150HDILLON G	WEHLING	0613975008445101	L	00*****
1972[illegible]T4N14E1544WRIGHT	SHARPE	0509985117474160	L	00*****
197	T4N14E15[illegible]FAITH PROCESSING	WILL DUPAGE CO	1025[illegible]	L	CM*****
197	T4N14E16 SALLER F	BAHLMAN	0200907 100	L	00*****
197	T4N14E16 MARLETT V	CRETE	0000949 129	L	00*****
197	T4N14E16 PLAGGE A	WEHLING	0404967002213141	L	00*****
197	T4N14E16 PROGRESS ENGINEERING	WEHLING	0628967002744300	L	CM*****
197	T4N14E16 TOSI J LOT 3	KNIERIM	0827971014096150	L	00*****
197	T4N14E16 WEHOLE R LOT 17	HOLLEMAN	0402975036427175	L	00*****
197	T4N14E16 TRIEBOLD L	WEHLING	0000976	L	00*****
197	T4N14E16 EDWARDS R LOT 21	HOLLEMAN	1019982105114160	L	00*****
197	T4N14E163EJOHNSON C	SHARPE	0620982103634180	L	00*****
197	T4N14E166FSLANE D	WEHLING	1116984115716110	L	00*****
197	T4N14E167BREMI T	HOLLEMAN	1020976053158160	L	00*****
197	T4N14E168BCRETE LAWN AND LEISURE	WEHLING	0311976045142161	L	00*****
197	T4N14E168DSTEIBER F	SHARPE	0928972104831150	L	00*****
197	T4N14E17 GOCAL E	WEHLING	0000986	L	00*****
197	T4N14E17 SCHUMANN H	WEHLING	0000947 191	L	00*****
19700538[illegible]4N14E17 KELLEY J	WEHLING	0100959 190	L	00*****
197	T4N14E17 GRANT B	HOLLEMAN	0000967 185	L	00*****
197	T4N14E17 KELLEY J	WEHLING	0100959 190	L	00*****
197	T4N14E171ECLARK A	SHARPE	1027972026237175	L	00*****
197	T4N14E174CPHEBUS W	WEHLING	1206971015597181	L	00*****
197	T4N14E174EHAHN K	HOLLEMAN	1020971012563166	L	00*****
197	T4N14E178HSCANLAN E	WEHLING	0127981099930200	L	00*****
197	T4N14E18 HACKE J	BAHLMAN	0600904 72	L	00*****
1972[illegible]T4N14E182HPARKE J	WEHLING	0823986126156180	L	00*****
197	T4N14E188EDEER CREEK GOLF COURSE	WEHLING	0515987131630400	L	00*****
197	T4N14E20 SENNHOLTI H	WEHLING	0000949 210	L	00*****
197	T4N14E20 FRALLE W	WEHLING	0000949 139	L	00*****
197	T4N14E20 FROZEN FOOD LOCKER PLANT	WEITING	0000947 44	L	CM*****
197	T4N14E203BSEAWAY BROADCASTING	HOLLEMAN	0110972015836200	L	00*****
197	T4N14E203GFAITH BAP CHURCH	KNIERIM	1023974033373180	L	00*****
197	T4N14E204EBALMORAL ELE SCHOOL	WEHLING	0000960 202	LC	00*****

197	34N14E21 ANDER AA 3603 SUE LINES	WEHLING	1005976052453211	L	00******
197	34N14E21 FRAN L	WEHLING	0000949	152	L	00******
197	34N14E21 LINCOLN FIELDS RACING ASSOC	LAYNE WESTERN	0000953	177	OL	00******
197	34N14E21CKELLY E	SHARPE	0727953108274160	L	00******
197	34N14E21FFHILLIPI D	STINNETT	1022760096633380	L	00******
197	34N14E21BEDONNER D	SHARPE	0412987130192190	L	00******
197	34N14E21BEBARTKUS C	WEHLING	0727977062340191	L	00******
197	34N14E21BFCHAPMAN BLDRS	KNIERIM	0910976051201180	L	00******
197	34N14E21BNATALE J	HOLLEMAN	0701976048927175	L	00******
197	34N14E22 MIDWEST UTILITIES	HOLLEMAN	0000968	152	L	00******
197	34N14E22BBALATTE A	SHARPE	0502997131030200	L	00******
197	34N14E22 RINCKER L	WEHLING	0000948	149	L	00******
197	34N14E22	HEMMINGWAY	0000934	136	L	00******
197	34N14E22 SODERLAND E	HOLLEMAN	0630969007660172	L	00******
197	34N14E22 PODBISLSKI Y	HOLLEMAN	0820971013912185	L	00******
197	34N14E22 MCCORMICK F	HOLLEMAN	0501974028487190	L	00******
197	34N14E23 FARACCARO T	WILL DUPAGE CO	0121975034452175	L	00******
197	34N14E23 KIRAN L	SHARPE	1201976052960180	L	00******
197	34N14E23 KIRAN A	SHARPE	1120976052959190	L	00******
197	34N14E23 KIRAN L	SHARPE	1206977052959200	L	00******
197	34N14E23 PALA R	SHARPE	1022977061033190	L	00******
197	34N14E23 DEWITT N	SHARPE	1429977059779220	L	00******
197	34N14E23 LOVERDE C	WEHLING	0820976046771160	L	00******
197	34N14E23 SEBER J	SHARPE	0724974031597180	L	00******
197	34N14E23 JAEGER C	SHARPE	0809976047346180	L	00******
197	34N14E23 ERICKSON R	SHARPE	1201976047347175	L	00******
197	34N14E23 HASSEY B	SHARPE	1119976035238200	L	00******
197	34N14E23 KIRAN L	SHARPE	1230985120404220	L	00******
197	34N14E23BLACK R	WEHLING	1121972021076161	L	00******
197	34N14E23MADURA A	KNIERIM	0517974023477190	L	00******
197	34N14E23FCHAPMAN BLDRS	KNIERIM	0807971013307240	L	00******
197	34N14E23FLINDBLAD CONST	LOCKPORT	1221972020682155	L	00******
197	34N14E23BDFREUDENBERG G	KNIERIM	0917985119964140	L	00******
197	34N14E24 SUN VALLEY SPORTS CLUB	WEHLING	0000960	203	L	00******
197	34N14E24 RADEMACHER A	HOLLEMAN	0000958	166	L	00******
197	34N14E24 WALLACE R	STINNETT	1205969006488200	L	00******
197	34N14E24 PEDERSEN A	HOLLEMAN	0825971014088185	L	00******
197	34N14E24 SAPPER D	WEHLING	0105972015210169	L	00******
197	34N14E24 MATELA L	WEHLING	1223971015598161	L	00******
197	34N14E24 OLEJNICAZK T	HOLLEMAN	0922973024174185	L	00******
197	34N14E24 OYNHAUG R	HOLLEMAN	1011975041208195	L	00******
197	34N14E24 BADER F	SHARPE	0916974031041180	L	00******
197	34N14E24 MORTIN C	SHARPE	0226974026060180	L	00******
197	34N14E24BLAATSCH M	WEHLING	0526970009534161	L	00******
197	34N14E24BCDRESPLING M	HOLLEMAN	0525980093981165	L	00******
197	34N14E27 SCHLOSS P	HOLLEMAN	0000966	182	L	00******
197	34N14E27 ROOT BROS MSF CO	WEHLING	0516967002459181	L	00******
197	34N14E27 MARTIN W	HOLLEMAN	0000957	173	L	00******
197	34N14E27CWITHESS F	HOLLEMAN	1020972019203180	L	00******
197	34N14E27FBIEDERMAN D	WEHLING	1024972020507141	L	00******
197	34N14E27GBSTEVENS G	WEHLING	1110970011021141	L	00******
197	34N14E27HFORNEY B	WEHLING	1106974034184141	L	00******
197	34N14E27HBOY SCOUTS OF AMERICA		1001965	500	CI	00******
197	34N14E27BEPALMORAL HORSEY CLUB	LAYNE WESTERN	0000968	177	L	00******
197	34N14E27BFWOODS C	STINNETT	0511979024937116	L	00******
197	34N14E27BEPLUM CREEK WASTEWATER TREATMENWEHLING		0606979075849250	L	00******

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
197	[illegible]	[illegible] MILWAUKEE ST PAUL	[illegible]	[illegible]	350 L	CM******
197	[illegible]	LINCOLN FIELDS RACE TRACK	[illegible]	[illegible]	[illegible]	CM******
197	[illegible]	LINCOLN FIELDS RACE TRACK	[illegible]	[illegible]	[illegible]	CM******
[illegible]	[illegible]	[illegible] REAL ESTATE	[illegible]	[illegible]	[illegible] L	DD******
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] L	DD******
197	[illegible]	LINCOLN FIELDS RACETRACT	[illegible]	[illegible]	[illegible]	CM******
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] L	DD******
197	[illegible]	[illegible] CORP GOLF CO	[illegible]	[illegible]	[illegible] LCI	CM******
197	[illegible]	[illegible] WOODS GOLF	[illegible]	[illegible]	[illegible] L	CM******
197	[illegible]	[illegible] WOODS GOLF	[illegible]	[illegible]	[illegible] L	CM******
197	[illegible]	[illegible] JOCKEY CLUB	[illegible]	[illegible]	[illegible]	CM******

White Copy – Ill. Dept. of P[illegible] Health
Yellow Copy – Wa[illegible]ntractor
Blue Copy – Well Owner

INSTRUCTIONS TO [illegible]LERS

FILL IN ALL PERTINENT INFORMATION REQUES[illegible] AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STA[illegible] OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WA[illegible]ER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 97 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. ____in. Depth ____ft.
   c. Drilled x. Finished in Drift _____. In Rock x.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes x No _____
4. Date well completed Nov. 10, 1972
5. Permanent Pump Installed? Yes x No _____
   Manufacturer Red Jacket Type Submersible
   Capacity _____gpm. Depth of setting 46 ft.
6. Well Top Sealed? Yes x No _____
7. Pitless Adaptor Installed? Yes x No _____
8. Well Disinfected? Yes x No _____
9. Water Sample Submitted? Yes _____ No x

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner James Sasaki Well No. 1
    Address Crete, Illinois 60417
    Driller Wehling Well Works, Inc License No. 92-56
11. Permit No. 19579 Date 8-18-72
12. Water from _____ (Formation) 13. County Will
    at depth ____ to ____ ft. Sec. 10 .6e
    14. Screen: Diam. ____ in. Twp. 34N
    Length: ____ ft. Slot _____ Rge. 14E
    175'S 25'E NW SW NE SW Elev. _____
15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galv. seamless	0	85

SHOW LOCATION IN SECTION PLAT
175'S 25'E
NW/c SW NE SW

16. Size Hole below casing: 4-7/8 in.
17. Static level 18 ft. below casing top which is _____ ft. above ground level. Pumping level 18 ft. when pumping at 15 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	10	10
Sand	40	50
Sand & gravel	17	67
Lime	30	97

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 11-21-72

White Copy – Ill. Dept. of Pub. Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION RECORDED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 161 ft.
   Curb material____. Buried Slab: Yes____ No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled X. Finished in Drift____. In Rock X.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field 75
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank 50 Barnyard____
   Leaching Pit____ Manure Pile____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed 2/7/78
5. Permanent Pump Installed? Yes____ Date____ No X
   Manufacturer____ Type____ Location____
   Capacity____gpm. Depth of Setting____Ft.
6. Well Top Sealed? Yes X No____ Type____
7. Pitless Adapter Installed? Yes____ No____
   Manufacturer____ Model Number____
   How attached to casing?____
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes____ No____
10. Pressure Tank Size____gal. Type____
    Location____
11. Water Sample Submitted? Yes____ No____

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner John Enbgrave Well No.____
    Address 1206 Glouchester, Crete, IL
    Driller W. E. Wehling License No. 102-2
11. Permit No. 70850 Date 1/19/78
12. Water from____ Formation 13. County Will
    at depth____ to____ft. Sec. 10
14. Screen: Diam.____in. Twp. 34N
    Length:____ft. Slot____ Rge. 14E
    lot#27, block#5, part #2 of Unit#5 Elev.____
    of Lincolnshire Estates

	X		

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galv. seamless	+1	99

SHOW LOCATION IN SECTION PLAT
Lot 27, Blk. 5, Part 2, Unit 5, Lincolnshire Est. Subd., SE NW

16. Size Hole below casing: 4 7/8 in.
17. Static level 43 ft. below casing top which is____ft. above ground level. Pumping level 43 ft. when pumping at 20 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	15	15
Sand	35	50
Clay	5	55
Muddy Sand	~~30~~ 25	80
Clay	15	95
Lime	66	161

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

Wehling Well Works, Inc.

SIGNED E. H. Wehling by J.W. DATE 2/15/78

IDPH 4.0
1/74 – K

White Co[illegible] Ill. De[illegible] [illegible]ublic Health
Yellow Co[illegible] [illegible]ll Contractor
Blue Copy — [illegible] Owner

INSTRUCTIONS DRILLERS

FILL IN ALL PERTINENT INFORMATION R[illegible]TED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 61[illegible], [illegible]ATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

7/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 152 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes x No ____
4. Date well completed June 11, 1968
5. Permanent Pump Installed? Yes ____ No ____
   Manufacturer ____ Type ____
   Capacity ____ gpm. Depth of setting ____ ft.
6. Well Top Sealed? Yes ____ No ____
7. Pitless Adaptor Installed? Yes ____ No ____
8. Well Disinfected? Yes x No ____
9. Water Sample Submitted? Yes ____ No ____

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 5083 Year 1968
11. Property owner H.C. Neale Well No. ____
    Address 1128 Montgomery Drive, Crete, Illinois
    Driller E. C. Wehling License No. 92-56
12. Water from ____ (Formation) at depth ____ to ____ ft.
13. County Will
    Sec. 10 S
    Twp. 34N
    Rng. 1[illegible]E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____
    SE SE NW
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Galv. seamless	0	94

SHOW LOCATION IN SECTION PLAT

16. Size Hole below casing: 4-7/8 in.
17. Static level 40 ft. below casing top which is ____ ft. above ground level. Pumping level 40 ft. when pumping at 20 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Black dirt	1	1
Clay	39	40
Muddy Sand	10	50
Sand	25	75
Clay	15	90
Lime	62	152
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED E. C. Wehling, Pres. DATE June 18, 1968

White Copy – Ill. Dept. of Publ' 'ealth
Yellow Copy – Wel. itractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTF AND MAIL ORIGINAL TO STATE DE- PARTMENT OF PUBLIC HEALTH, ROOM 616, ST. OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 6 in. Depth 205 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. ____in. Depth ____ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes _____ No _____
4. Date well completed 8-9-68
5. Permanent Pump Installed? Yes _____ No _____
   Manufacturer _____ Type _____
   Capacity _____ gpm. Depth of setting _____ ft.
6. Well Top Sealed? Yes X No _____
7. Pitless Adaptor Installed? Yes _____ No _____
8. Well Disinfected? Yes X No _____
9. Water Sample Submitted? Yes _____ No X

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 5355 Year 1968
11. Property owner Montgomery Improvement Well No. 1
    Address Montgomery Drive, Crete, Illinois
    Driller E. C. Wehling License No. 92-56
12. Water from _____ (Formation)
    at depth ____ to ____ ft.
13. County Will
    Sec. 10 NE
    Twp. 34N
    Rng. 14E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: ____ ft. Slot _____
    SW SE NW
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	Galv. Seamless	0	94

SHOW LOCATION IN SECTION PLAT

SW SE NW

16. Size Hole below casing: 5-7/8 in.
17. Static level 39 ft. below casing top which is _____ ft. above ground level. Pumping level 39 ft. when pumping at 60 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	35	35
Sand	35	70
Clay	31	91
Lime	114	205
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED E. C. Wehling, President DATE August 19, 1968

APPENDIX F

Summary of Analytical Results of April 29, 1992 Screening Site Inspection Samples

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 1)

VOLATILE ORGANIC COMPOUNDS	G201 Ill.Scrap Priv.Well (ug/l)	G202 Wilson's Private Well (ug/l)	G203 Drolet's Private Well (ug/l)	G204 (Duplicate-G201) (ug/l)
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 2)

SEMI-VOLATILE ORGANIC COMPOUNDS	G201 Ill.Scrap Priv.Well (ug/l)	G202 Wilson's Private Well (ug/l)	G203 Drolet's Private Well (ug/l)	G204RE (Duplicate-G201) (ug/l)
Phenol	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U
N-Nitroso-di-n-Dipropylamine	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U
Dimethylphthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
3-Nitroaniline	50 UJ	50 UJ	50 UJ	50 UJ
Acenaphthene	10 U	10 U	10 U	10 U

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 3)

SEMI-VOLATILE ORGANIC COMPOUNDS (cont.)	G201 (ug/l)	G202 (ug/l)	G203 (ug/l)	G204RE (ug/l)
2,4-Dinitrophenol	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 UJ
N-Nitrosodiphenylamine [1]	10 U	10 U	10 U	10 UJ
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 UJ
Hexachlorobenzene	10 U	10 U	10 U	10 UJ
Pentachlorophenol	50 U	50 U	50 U	50 UJ
Phenanthrene	10 U	10 U	10 U	10 UJ
Anthracene	10 U	10 U	10 U	10 UJ
Carbazole	10 U	10 U	10 U	10 UJ
Di-n-Butylphthalate	10 U	10 U	10 U	10 UJ
Fluoranthene	10 U	10 U	10 U	10 UJ
Pyrene	10 U	10 U	10 U	10 UJ
Butylbenzylphthalate	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 UJ
Benzo(a)anthracene	10 U	10 U	10 U	10 UJ
Chrysene	10 U	10 U	10 U	10 UJ
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 UJ
Di-n-Octylphthalate	10 U	10 U	10 U	10 UJ
Benzo(b)fluoranthene	10 U	10 U	10 U	10 UJ
Benzo(k)fluoranthene	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene	10 U	10 U	10 U	10 UJ
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 UJ
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 UJ
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 UJ

[1] Footnote: cannot be separated from Diphenylamine.

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 4)

PESTICIDES / PCBs	G201 Ill.Scrap Priv.Well (ug/l)	G202 Wilson's Private Well (ug/l)	G203 Drolet's Private Well (ug/kg)	G204 (Duplicate-G201) (ug/kg)
alpha-BHC	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (Lindane)	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U
Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U
Endrin ketone	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde	0.10 U	0.10 U	0.10 U	0.10 U
alpha-Chlordane	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	0.050 U	0.050 U	0.050 U	0.050 U
Toxaphene	5.0 U	5.0 U	5.0 U	5.0 U
Aroclor-1016	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0 U	1.0 U	1.0 U	1.0 U

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 5)

INORGANICS	G201 Ill.Scrap Priv.Well (ug/l)	G202 Wilson's Private Well (ug/l)	G203 Drolet's Private Well (ug/l)	G204 (Duplicate-G201) (ug/l)
Aluminum	144 U	144 U	144 U	144 U
Antimony	42.0 U	42.0 U	42.0 U	42.0 U
Arsenic	2.0 U	2.0 U	2.0 U	2.0 U
Barium	37.0 B	31.7 B	58.9 B	36.7 B
Beryllium	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	5.0 U	5.0 U	5.0 U	5.0 U
Calcium	140000	143000	91200	141000
Chromium	3.0 U	3.0 U	3.0 U	3.0 U
Cobalt	3.0 U	3.0 U	3.0 U	3.0 U
Copper	6.0 U	6.4 U	5.5 U	5.0 U
Iron	880	3180	2380	946
Lead	1.0 U	1.0 U	1.0 U	1.7 B
Magnesium	64100	61700	40400	64100
Manganese	14.1 B	55.0	39.4	13.8 B
Mercury	0.01 U	0.01 U	0.01 U	0.01 U
Nickel	13.0 U	13.0 U	13.0 U	13.0 U
Potassium	3130 B	2800 B	1570 B	2740 B
Selenium	5.0 U	1.0 UJ	1.0 U	5.0 U
Silver	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	49300	33700	6610	49100
Thallium	3.0 U	3.0 U	3.0 U	3.0 U
Vanadium	3.0 U	3.0 U	3.0 U	3.0 U
Zinc	17.8 U	19.9 U	37.1 U	27.4 U
Cyanide	10.0 U	10.0 U	10.0 U	10.0 U
Sulfide	1000 U	1000 U	1000 U	1000 U
Sulfate	342000	356000	155000	332000

NOTE: All four "total metals" groundwater samples were filtered through a 45 um filter.

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 6)

VOLATILE ORGANIC COMPOUNDS	X101 Background soil (ug/kg)	X102 Wilsons' yard (ug/kg)	X103 Drolets' yard (ug/kg)	X104 Area N of Facility (ug/kg)	X105RE Sed-Storm Sewer (ug/kg)	X106 On-site soil (NW) (ug/kg)
Chloromethane	13 U	13 U	13 UJ	13 U	18 U	15 UJ
Bromomethane	13 U	13 U	13 U	13 U	18 U	15 U
Vinyl Chloride	13 U	13 U	13 U	13 U	18 U	15 U
Chloroethane	13 U	13 U	13 U	13 U	18 U	15 U
Methylene Chloride	**100**	**87**	81 UJ	**140**	**150**	**15 J**
Acetone	13 U	13 U	13 U	13 U	**62 J**	**22 J**
Carbon Disulfide	13 U	13 U	13 U	13 U	18 U	15 U
1,1-Dichloroethene	13 U	13 U	13 UJ	13 U	18 U	15 UJ
1,1-Dichloroethane	13 U	13 U	13 U	13 U	18 U	15 U
1,2-Dichloroethene (total)	13 U	13 U	13 U	13 U	18 U	15 U
Chloroform	13 U	13 U	13 U	13 U	18 U	15 U
1,2-Dichloroethane	13 U	13 U	13 U	13 U	18 U	15 U
2-Butanone (MEK)	13 U	13 U	13 U	13 R	**58**	15 U
1,1,1-Trichloroethane	13 U	13 U	13 U	13 U	18 U	15 U
Carbon Tetrachloride	13 U	13 U	13 U	13 U	18 U	15 U
Bromodichloromethane	13 U	13 U	13 U	13 U	18 U	15 U
1,2-Dichloropropane	13 U	13 U	13 U	13 U	18 U	15 U
cis-1,3-Dichloropropene	13 U	13 U	13 U	13 U	18 U	15 U
Trichloroethene	13 U	13 U	13 U	13 U	18 U	15 U
Dibromochloromethane	13 U	13 U	13 UJ	13 U	18 U	15 UJ
1,1,2-Trichloroethane	13 U	13 U	13 U	13 U	18 U	15 U
Benzene	13 U	13 U	13 U	13 U	18 U	15 U
trans-1,3-Dichloropropene	13 U	13 U	13 U	13 U	18 U	15 U
Bromoform	13 U	13 U	13 U	13 U	18 U	15 U
4-Methyl-2-Pentanone	13 U	13 U	13 U	13 UJ	18 U	15 U
2-Hexanone	13 U	13 U	13 U	13 UJ	18 U	15 U
Tetrachloroethene	13 U	13 U	13 U	13 UJ	18 U	15 U
1,1,2,2-Tetrachloroethane	13 U	13 U	13 U	13 UJ	18 U	15 U
Toluene	**7 J**	13 U	**5 J**	**9 J**	**9 J**	15 U
Chlorobenzene	13 U	13 U	13 U	13 UJ	18 U	15 U
Ethylbenzene	13 U	13 U	13 U	13 UJ	18 U	15 U
Styrene	13 U	13 U	13 U	13 UJ	18 U	15 U
Xylene (total)	13 U	13 U	13 U	13 UJ	18 U	15 U
TIC: Ethyl Ether (CAS #60-29-3)	--	--	--	--	--	--

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 7)

VOLATILE ORGANIC COMPOUNDS	X107/X107DL On-site soil (W) (ug/kg)	X108 On-site soil (NE) (ug/kg)	X109/X109DL On-site soil (ug/kg)	X112 On-site soil (SE) (ug/kg)	X113/X113DL (Duplicate-X109) (ug/kg)
Chloromethane	12 UJ	15 UJ	12 UJ	14 UJ	12 UJ
Bromomethane	12 UJ	15 U	12 UJ	14 U	12 UJ
Vinyl Chloride	12 UJ	15 U	12 UJ	14 U	12 UJ
Chloroethane	12 UJ	15 U	12 UJ	14 U	12 UJ
Methylene Chloride	330	48 J	490	210 J	520
Acetone	12 UJ	12 J	55 J	14 U	73 J
Carbon Disulfide	12 UJ	15 U	12 UJ	14 U	12 UJ
1,1-Dichloroethene	12 UJ	15 U	12 UJ	14 U	12 UJ
1,1-Dichloroethane	12 UJ	15 U	12 UJ	14 U	12 UJ
1,2-Dichloroethene (total)	12 UJ	15 U	12 UJ	14 U	12 UJ
Chloroform	12 UJ	15 U	12 UJ	14 U	12 UJ
1,2-Dichloroethane	12 UJ	15 U	12 UJ	14 U	12 UJ
2-Butanone (MEK)	12 UJ	15 U	79 J	14 U	91 J
1,1,1-Trichloroethane	7 J	15 U	12 UJ	14 U	12 UJ
Carbon Tetrachloride	12 UJ	15 U	12 UJ	14 U	12 UJ
Bromodichloromethane	12 UJ	15 U	12 UJ	14 U	12 UJ
1,2-Dichloropropane	12 UJ	15 U	12 UJ	14 U	12 UJ
cis-1,3-Dichloropropene	12 UJ	15 U	12 UJ	14 U	12 UJ
Trichloroethene	12 UJ	15 U	12 UJ	14 U	12 UJ
Dibromochloromethane	12 UJ	15 U	12 UJ	14 U	12 UJ
1,1,2-Trichloroethane	12 UJ	15 U	12 UJ	14 U	12 UJ
Benzene	12 UJ	15 U	4 J	14 U	4 J
trans-1,3-Dichloropropene	12 UJ	15 U	12 UJ	14 U	12 UJ
Bromoform	12 UJ	15 U	12 UJ	14 U	12 UJ
4-Methyl-2-Pentanone	12 UJ	15 U	12 UJ	14 U	12 UJ
2-Hexanone	12 UJ	15 U	12 UJ	14 U	12 UJ
Tetrachloroethene	12 UJ	15 U	12 UJ	14 U	12 UJ
1,1,2,2-Tetrachloroethane	12 UJ	15 U	12 UJ	14 U	12 UJ
Toluene	38 J	15 U	39 J	5 J	40 J
Chlorobenzene	12 UJ	15 U	12 UJ	14 U	12 UJ
Ethylbenzene	12 UJ	15 U	12 UJ	14 U	12 UJ
Styrene	12 UJ	15 U	12 UJ	14 U	12 UJ
Xylene (total)	6 J	15 U	9 J	14 U	10 J
TIC: Ethyl Ether (CAS #60-29-3)	23 JN	--	17 JN	--	18 JN

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 8)

SEMI-VOLATILE ORGANIC COMPOUNDS	X101 Background soil (ug/kg)	X102 Wilsons' yard (ug/kg)	X103 Drolets' yard (ug/kg)	X104 Area N of Facility (ug/kg)	X105 Sed-Storm Sewer (ug/kg)	X106 On-site soil (NW) (ug/kg)
Phenol	460 U	460 U	460 U	440 U	2300 U	440 U
bis(2-Chloroethyl) ether	460 U	460 U	460 U	440 U	2300 U	440 U
2-Chlorophenol	460 U	460 U	460 U	440 U	2300 U	440 U
1,3-Dichlorobenzene	460 U	460 U	460 U	440 U	2300 U	440 U
1,4-Dichlorobenzene	460 U	460 U	460 U	440 U	2300 U	440 U
1,2-Dichlorobenzene	460 U	460 U	460 U	440 U	2300 U	440 U
2-Methylphenol	460 U	460 U	460 U	440 U	2300 U	440 U
2,2'-oxybis(1-Chloropropane)	460 U	460 U	460 U	440 U	2300 U	440 U
4-Methylphenol	460 U	460 U	460 U	440 U	2300 U	440 U
N-Nitroso-di-n-Dipropylamine	460 U	460 U	460 U	440 U	2300 U	440 U
Hexachloroethane	460 U	460 U	460 U	440 U	2300 U	440 U
Nitrobenzene	460 U	460 U	460 U	440 U	2300 U	440 U
Isophorone	460 U	460 U	460 U	440 U	2300 U	440 U
2-Nitrophenol	460 U	460 U	460 U	440 U	2300 U	440 U
2,4-Dimethylphenol	460 U	460 U	460 U	440 U	2300 U	440 U
bis(2-Chloroethoxy)methane	460 U	460 U	460 U	440 U	2300 U	440 U
2,4-Dichlorophenol	460 U	460 U	460 U	440 U	2300 U	440 U
1,2,4-Trichlorobenzene	460 U	460 U	460 U	440 U	2300 U	440 UJ
Naphthalene	460 U	460 U	460 U	440 U	1500 J	440 U
4-Chloroaniline	460 U	460 U	460 U	440 U	2300 U	440 U
Hexachlorobutadiene	460 UJ	460 UJ	460 UJ	440 UJ	2300 UJ	440 UJ
4-Chloro-3-Methylphenol	460 U	460 U	460 U	440 U	2300 U	440 U
2-Methylnaphthalene	460 U	460 U	460 U	440 U	1500 J	220 J
Hexachlorocyclopentadiene	460 U	460 U	460 U	440 U	2300 U	440 U
2,4,6-Trichlorophenol	460 U	460 U	460 U	440 U	2300 U	440 U
2,4,5-Trichlorophenol	2200 U	2200 U	2200 U	2200 U	11000 U	2200 UJ
2-Chloronaphthalene	460 U	460 U	460 U	440 U	2300 U	440 U
2-Nitroaniline	2200 U	2200 U	2200 U	2200 U	11000 U	2200 U
Dimethylphthalate	460 U	460 U	460 U	440 U	2300 U	440 U
Acenaphthylene	460 U	460 U	460 U	440 U	2300 U	440 U
2,6-Dinitrotoluene	460 U	460 U	460 U	440 U	2300 U	440 U
3-Nitroaniline	2200 UJ	2200 UJ	2200 UJ	2200 UJ	11000 UJ	2200 UJ
Acenaphthene	460 U	460 U	460 U	440 U	1600 J	440 U

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 9)

SEMI-VOLATILE ORGANICS (cont.)	X101 (ug/kg)	X102 (ug/kg)	X103 (ug/kg)	X104 (ug/kg)	X105 (ug/kg)	X106 (ug/kg)
2,4-Dinitrophenol	2200 U	2200 U	2200 U	2200 U	11000 U	2200 U
4-Nitrophenol	2200 U	2200 U	2200 U	2200 U	11000 U	2200 U
Dibenzofuran	460 U	460 U	460 U	440 U	**3100 J**	440 U
2,4-Dinitrotoluene	460 U	460 U	460 U	440 U	2300 U	440 U
Diethylphthalate	460 U	460 U	460 U	440 U	2300 U	440 U
4-Chlorophenyl-phenylether	460 U	460 U	460 U	440 U	2300 U	440 U
Fluorene	460 U	460 U	460 U	440 U	**4800 J**	440 U
4-Nitroaniline	2200 UJ	2200 UJ	2200 UJ	2200 UJ	11000 UJ	2200 UJ
4,6-Dinitro-2-methylphenol	2200 U	2200 U	2200 U	2200 U	11000 U	2200 U
N-Nitrosodiphenylamine [1]	460 U	460 U	460 U	440 U	2300 U	440 U
4-Bromophenyl-phenylether	460 U	460 U	460 U	440 U	2300 U	440 U
Hexachlorobenzene	460 U	460 U	460 U	440 U	2300 U	440 U
Pentachlorophenol	2200 U	2200 U	2200 U	2200 U	11000 U	2200 UJ
Phenanthrene	460 U	460 U	460 U	**330 J**	**2600 J**	**730**
Anthracene	460 U	460 U	460 U	440 U	**970 J**	**120 J**
Carbazole	460 U	460 U	460 U	440 U	2300 U	440 U
Di-n-Butylphthalate	460 U	460 U	460 U	440 U	2300 U	440 U
Fluoranthene	**150 J**	**110 J**	460 U	**140 J**	**1400 J**	**790**
Pyrene	**150 J**	**130 J**	460 U	**110 J**	**1600 J**	**500**
Butylbenzylphthalate	460 U	460 U	460 U	440 U	2300 U	440 U
3,3'-Dichlorobenzidine	910 U	910 U	910 U	890 U	4600 U	890 UJ
Benzo(a)anthracene	460 U	460 U	460 U	440 U	**540 J**	**350 J**
Chrysene	**110 J**	**98 J**	460 U	440 U	**680 J**	**790**
bis(2-Ethylhexyl)phthalate	460 U	460 U	460 U	440 U	2300 U	440 U
Di-n-Octylphthalate	460 U	460 U	460 U	440 U	2300 U	440 U
Benzo(b)fluoranthene	**150 J**	**210 J**	460 U	**90 J**	**650 J**	440 U
Benzo(k)fluoranthene	460 U	460 U	460 U	440 U	2300 U	440 U
Benzo(a)pyrene	460 U	460 U	460 U	440 U	2300 U	**280 J**
Indeno(1,2,3-cd)pyrene	460 U	460 U	460 U	440 U	2300 U	**460**
Dibenz(a,h)anthracene	460 U	460 U	460 U	440 U	2300 U	440 U
Benzo(g,h,i)perylene	460 U	460 U	460 U	440 U	2300 U	440 U

[1] Footnote: cannot be separated from Diphenylamine.

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 10)

SEMI-VOLATILE ORGANIC COMPOUNDS	X107 On-site soil (W) (ug/kg)	X108 On-site soil (NE) (ug/kg)	X109 On-site soil (ug/kg)	X112 On-site soil (SE) (ug/kg)	X113 (Duplicate-X109) (ug/kg)
Phenol	4600 U	440 U	4600 U	450 U	4500 U
bis(2-Chloroethyl) ether	4600 U	440 U	4600 U	450 U	4500 U
2-Chlorophenol	4600 U	440 U	4600 U	450 U	4500 U
1,3-Dichlorobenzene	4600 U	440 U	4600 U	450 U	4500 U
1,4-Dichlorobenzene	4600 U	440 U	4600 U	450 U	4500 U
1,2-Dichlorobenzene	4600 U	440 U	4600 U	450 U	4500 U
2-Methylphenol	4600 U	440 U	4600 U	450 U	4500 U
2,2'-oxybis(1-Chloropropane)	4600 U	440 U	4600 U	450 U	4500 U
4-Methylphenol	4600 U	440 U	4600 U	450 U	4500 U
N-Nitroso-di-n-Dipropylamine	4600 U	440 U	4600 U	450 U	4500 U
Hexachloroethane	4600 U	440 U	4600 U	450 U	4500 U
Nitrobenzene	4600 U	440 U	4600 U	450 U	4500 U
Isophorone	4600 U	440 U	4600 U	450 U	4500 U
2-Nitrophenol	4600 U	440 U	4600 U	450 U	4500 U
2,4-Dimethylphenol	4600 U	440 U	4600 U	450 U	4500 U
bis(2-Chloroethoxy)methane	4600 U	440 U	4600 U	450 U	4500 U
2,4-Dichlorophenol	4600 U	440 U	4600 U	450 U	4500 U
1,2,4-Trichlorobenzene	4600 U	440 U	4600 U	450 U	4500 U
Naphthalene	**2900 J**	440 U	4600 U	450 U	**970 J**
4-Chloroaniline	4600 U	440 U	4600 U	450 U	4500 U
Hexachlorobutadiene	4600 U	440 U	4600 U	450 UJ	4500 U
4-Chloro-3-Methylphenol	4600 U	440 U	4600 U	450 U	4500 U
2-Methylnaphthalene	**5900**	440 U	**1400 J**	450 U	**1600 J**
Hexachlorocyclopentadiene	4600 UJ	440 UJ	4600 UJ	450 U	4500 UJ
2,4,6-Trichlorophenol	4600 U	440 U	4600 U	450 U	4500 U
2,4,5-Trichlorophenol	22000 U	2200 U	22000 U	2200 U	22000 U
2-Chloronaphthalene	4600 U	440 U	4600 U	450 U	4500 U
2-Nitroaniline	22000 UJ	2200 U	22000 UJ	2200 U	22000 UJ
Dimethylphthalate	4600 U	440 U	4600 U	450 U	4500 U
Acenaphthylene	4600 U	440 U	4600 U	450 U	4500 U
2,6-Dinitrotoluene	4600 U	440 U	4600 U	450 U	4500 U
3-Nitroaniline	22000 U	2200 UJ	22000 U	2200 UJ	22000 U
Acenaphthene	4600 U	440 U	4600 U	450 U	4500 U

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 11)

SEMI-VOLATILE ORGANICS (cont.)	X107 (ug/kg)	X108 (ug/kg)	X109 (ug/kg)	X112 (ug/kg)	X113 (ug/kg)
2,4-Dinitrophenol	22000 U	2200 U	22000 U	2200 U	22000 U
4-Nitrophenol	22000 U	2200 U	22000 U	2200 U	22000 U
Dibenzofuran	1900 J	440 U	4600 U	450 U	4500 U
2,4-Dinitrotoluene	4600 U	440 U	4600 U	450 U	4500 U
Diethylphthalate	4600 U	440 U	4600 U	450 U	4500 U
4-Chlorophenyl-phenylether	4600 U	440 U	4600 U	450 U	4500 U
Fluorene	4600 U	440 U	4600 U	450 U	4500 U
4-Nitroaniline	22000 UJ	2200 UJ	22000 UJ	2200 UJ	22000 UJ
4,6-Dinitro-2-methylphenol	22000 U	2200 U	22000 U	2200 U	22000 U
N-Nitrosodiphenylamine [1]	4600 UJ	440 U	4600 UJ	450 U	4500 UJ
4-Bromophenyl-phenylether	4600 U	440 U	4600 U	450 U	4500 U
Hexachlorobenzene	4600 UJ	440 U	4600 UJ	450 U	4500 UJ
Pentachlorophenol	22000 U	2200 U	22000 U	2200 U	22000 U
Phenanthrene	9200	120 J	3400 J	450 U	3600 J
Anthracene	4600 U	440 U	4600 U	450 U	4500 U
Carbazole	4600 UJ	440 U	4600 UJ	450 U	4500 UJ
Di-n-Butylphthalate	4600 U	440 U	4600 U	450 J	4500 U
Fluoranthene	3200 J	190 J	2100 J	450 U	2000 J
Pyrene	3200 J	200 J	2500 J	450 U	2400 J
Butylbenzylphthalate	4600 U	440 U	4600 U	450 U	4500 U
3,3'-Dichlorobenzidine	9100 UJ	890 U	9100 UJ	900 U	9000 UJ
Benzo(a)anthracene	1600 J	160 J	1300 J	450 U	1200 J
Chrysene	2500 J	210 J	2500 J	450 U	2300 J
bis(2-Ethylhexyl)phthalate	4600 U	440 U	4600 U	450 U	4500 U
Di-n-Octylphthalate	4600 U	440 U	4600 U	450 U	4500 U
Benzo(b)fluoranthene	5000	240 J	5000	92 J	5000
Benzo(k)fluoranthene	4600 U	150 J	4600 U	450 U	4500 U
Benzo(a)pyrene	1600 J	190 J	4600 U	450 U	4500 U
Indeno(1,2,3-cd)pyrene	2100 J	440 U	4600 U	450 U	3200 J
Dibenz(a,h)anthracene	1600 J	440 U	4600 UJ	450 U	4500 UJ
Benzo(g,h,i)perylene	2900 J	240 J	3600 J	450 U	3800 J

[1] Footnote: cannot be separated from Diphenylamine.

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 12)

PESTICIDES / PCBs	X101 Background soil (ug/kg)	X102 Wilsons' yard (ug/kg)	X103 Drolets' yard (ug/kg)	X104 Area N of Facility (ug/kg)	X105 Sed-Storm Sewer (ug/kg)	X106 On-site soil (NW) (ug/kg)
alpha-BHC	2.3 U	2.3 U	2.3 U	2.3 U	11 U	2.3 U
beta-BHC	2.3 U	2.3 U	2.3 U	2.3 U	11 U	2.3 U
delta-BHC	2.3 U	2.3 U	2.3 U	2.3 U	11 U	2.3 U
gamma-BHC (Lindane)	2.3 U	2.3 U	2.3 U	2.3 U	11 U	2.3 U
Heptachlor	2.3 U	2.3 U	2.3 U	2.3 U	11 P	2.3 U
Aldrin	2.3 U	2.3 U	2.3 U	2.3 U	36 P	5.0 P
Heptachlor epoxide	2.3 U	3.8	0.91 J	2.3 U	5.3 JP	2.3 U
Endosulfan I	2.3 U	2.3 U	2.3 U	2.3 U	11 U	2.2 J
Dieldrin	2.2 JP	5.8	4.6 U	120 P	13 JP	550 P
4,4'-DDE	4.6 U	2.2 BJP	4.6 U	4.4 U	20 U	6.0 P
Endrin	4.6 U	4.6 U	4.6 U	4.4 U	20 U	14 P
Endosulfan II	4.6 U	4.6 U	4.6 U	4.4 U	20 JP	4.4 U
4,4'-DDD	4.6 U	4.6 U	4.6 U	4.4 U	14 JP	20 P
Endosulfan sulfate	4.6 U	4.6 U	4.6 U	4.4 U	20 U	4.4 U
4,4'-DDT	4.6 U	6.2 P	3.3 JP	7.4	2 U	4.4 U
Methoxychlor	23 U	23 U	23 U	23 U	110 U	5.1 JP
Endrin ketone	4.6 U	4.6 U	4.6 U	4.4 U	20 U	4.4 U
Endrin aldehyde	4.6 U	4.6 U	4.6 U	4.4 U	20 U	4.4 U
alpha-Chlordane	2.3 U	2.3 U	2.3 U	2.3 U	11 U	2.3 U
gamma-Chlordane	2.3 U	2.3 U	2.3 U	2.3 U	11 U	2.3 U
Toxaphene	230 U	230 U	230 U	230 U	1100 U	230 U
Aroclor-1016	46 U	46 U	46 U	44 U	200 U	44 U
Aroclor-1221	92 U	92 U	92 U	90 U	600 P	90 U
Aroclor-1232	46 U	46 U	46 U	44 U	200 U	44 U
Aroclor-1242	46 U	46 U	46 U	44 U	200 U	44 U
Aroclor-1248	46 U	46 U	46 U	44 U	200 U	44 U
Aroclor-1254	46 U	46 U	46 U	44 U	200 U	170 P
Aroclor-1260	46 U	46 U	46 U	44 U	200 U	44 U

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 13)

PESTICIDES / PCBs	X107 On-site soil (W) (ug/kg)	X108 On-site soil (NE) (ug/kg)	X109 On-site soil (ug/kg)	X112 On-site soil (SE) (ug/kg)	X113 (Duplicate-X109) (ug/kg)
alpha-BHC	12 U	2.3 U	11 U	2.3 U	11 U
beta-BHC	12 U	2.3 U	11 U	2.3 U	11 U
delta-BHC	12 JP	2.3 U	11 U	2.3 U	11 U
gamma-BHC (Lindane)	9.1 JP	2.3 U	5.4 JP	2.3 U	11 U
Heptachlor	120 P	2.3 U	90 P	2.3 U	11 U
Aldrin	16 P	1.2 JP	14 P	0.96 JP	7.8 JP
Heptachlor epoxide	49 P	2.3 U	46 P	2.3 U	11 U
Endosulfan I	16 P	2.3 U	17 P	2.3 U	12 P
Dieldrin	460 P	170	620 P	270	390 P
4,4'-DDE	24 U	1.8 BJP	21 U	3.4 BJ	22 U
Endrin	25 P	4.4 U	23 P	2.4 JP	22 U
Endosulfan II	24 U	4.7	21 U	2.0 JP	43 P
4,4'-DDD	71	4.4 U	76 P	4.5 U	22 U
Endosulfan sulfate	24 U	4.4 U	54 P	4.5 U	22 U
4,4'-DDT	24 U	6.9 P	21 U	4.6 P	22 U
Methoxychlor	120 U	23 U	110 U	23 U	31 JP
Endrin ketone	24 U	4.4 U	21 U	4.5 U	22 U
Endrin aldehyde	24 U	4.4 U	21 U	4.5 U	43 P
alpha-Chlordane	12 U	2.3 U	11 U	2.3 U	11 U
gamma-Chlordane	12 U	2.3 U	16 P	2.3 U	11 U
Toxaphene	1200 U	230 U	1100 U	230 U	1100 U
Aroclor-1016	240 U	44 U	210 U	45 U	220 U
Aroclor-1221	490 U	90 U	430 U	91 U	450 U
Aroclor-1232	240 U	44 U	210 U	45 U	220 U
Aroclor-1242	240 U	44 U	210 U	45 U	220 U
Aroclor-1248	240 U	44 U	210 U	45 U	220 U
Aroclor-1254	240 U	44 U	210 U	45 U	370 P
Aroclor-1260	240 U	44 U	210 U	45 U	220 U

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 14)

INORGANICS	X101 Background soil (mg/kg)	X102 Wilsons' yard (mg/kg)	X103 Drolets' yard (mg/kg)	X104 Area N of Facility (mg/kg)	X105 Sed-Storm Sewer (mg/kg)	X106 On-site soil (NW) (mg/kg)
Aluminum	22100	14800	8050	15600	11900	23200
Antimony	5.4 UR	5.4 UR	5.3 UR	6.1 UR	7.3 UR	6.9 UR
Arsenic	9.98 J	4.8 J	3.09 J	6.57 J	13.93 J	14.02 J
Barium	91.1	121 B	59.2	143	116	111
Beryllium	0.99	0.70	0.43 B	0.73 B	2.2	1.6
Cadmium	0.64 U	0.64 U	0.63 U	0.73 U	4.4	1.1
Calcium	15900 J	2500 J	11500 J	3190 J	24700 J	5400 J
Chromium	28.9	19.5	12.8	20	20.5	36.4
Cobalt	11.8	4.6 B	5.1 B	9.2	12.7	12.7
Copper	21.0	17.4	11.4	48.2	663	70.8
Iron	24100	16300	9670	17700	44300	37100
Lead	34.06	64.8	33.8	90.52	132	162
Magnesium	12300 J	2350 J	6750 J	2410 J	9680 J	5960 J
Manganese	481 J	313 J	343 J	926 J	452 J	335 J
Mercury	0.06 B	0.08 B	0.08 B	0.09 B	0.71	0.17
Nickel	28.2	13.1	11.3	13.9	38.5	36.2
Potassium	5820	2120	1300	2510	2260	4940
Selenium	0.64 UJ	0.20 UJ	0.13 UJ	0.25 BJ	1.82	0.69
Silver	0.64 UJ	0.64 UJ	0.63 UJ	0.73 UJ	0.86 UJ	0.82 UJ
Sodium	150 B	91.6 U	90.9 U	75.9 U	285 B	170 U
Thallium	0.39 U	0.38 U	0.38 U	0.44 U	0.99 BJ	0.49 U
Vanadium	35.5	24.6	15.5	32.9	39.5	44.5
Zinc	89.2	88.0	77.3	99.7	484	246
Cyanide	1.1 U	1.1 U	1.0 U	1.1 U	1.4 U	1.2 U
Sulfide						
Sulfate						

SUMMARY OF CERCLA SCREENING SITE INSPECTION SAMPLES COLLECTED 4-29-92 BY ILLINOIS EPA (page 15)

INORGANICS	X107 On-site soil (W) (mg/kg)	X108 On-site soil (NE) (mg/kg)	X109 On-site soil (mg/kg)	X112 On-site soil (SE) (mg/kg)	X113 (Duplicate-X109) (mg/kg)
Aluminum	2540	20600	9000	20400	11000
Antimony	9.9 UR	5.9 UR	4.8 UR	6.0 UR	10.0 UR
Arsenic	9.59 J	7.05 J	33.24 J	8.3 J	52.84 J
Barium	32.4	130	80.1	148	116
Beryllium	1.4	0.87	1.3	0.95	2.0
Cadmium	1.50	0.70 U	2.3	0.71 U	2.7
Calcium	8980 J	2040 J	17100 J	2770 J	5110 J
Chromium	12.3	26.2	24	26.4	60.2
Cobalt	5.7 B	7.6	7.2	11.5	11.1
Copper	40.3	24.2	716	29.0	933
Iron	35400	20800	47400	23300	82300
Lead	78.96	39.06	455	40.6	1237
Magnesium	3960 J	3010 J	1210 J	3220 J	1950 J
Manganese	299 J	573 J	320 J	1070 J	485 J
Mercury	0.11 B	0.04 B	0.12 B	0.09 B	0.14
Nickel	17.5	18.9	30.3	19.8	47.4
Potassium	790 B	3550	770	3590	1100 B
Selenium	1.1	0.25 UJ	1.44 J	0.34 UJ	1.45
Silver	1.2 UJ	0.7 UJ	0.58 UJ	0.71 UJ	1.2 UJ
Sodium	263 B	102 B	593	101 U	798 B
Thallium	0.70 UJ	0.42 U	0.34 U	0.43 U	0.71 UJ
Vanadium	18.1	36.3	22.0	38.6	30.7
Zinc	370	96.3	1460	100.0	1870
Cyanide	1.0 U	1.2 U	0.99 U	1.2 U	0.99 U
Sulfide					
Sulfate					

U.S.E.P.A. DEFINED DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
• J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
• C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
• B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
• D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and <u>all</u> concentration values are flagged with the "D" flag.	not used

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference
• A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
• M	not used	Duplicate injection (a QC parameter) not met.
• N	not used	Spiked sample (a QC parameter) recovery not within control limits.
• S	not used	The reported value was determined by the Method of Standard Additions (MSA).
• W	not used	Post digestion spike for Furnace A analysis (a QC parameter) is out o control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
• *	not used	Duplicate analysis (a QC parameter not within control limits.
• +	not used	Correlation coefficient for MSA (a QC parameter) is less than 0.995.

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• P	not used	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
• CV	not used	Method qualifier indicates analysis by Cold Vapor AA.
• AV	not used	Method qualifier indicates analysis by Automated Cold Vapor AA
• AS	not used	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
• T	not used	Method qualifier indicates Titrimetric analysis.
• NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
• R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.