



K-PLUS ENGINEERING, LLC

Mr. Kevin Welsh
Village of Glenwood
One Asselborn Way
Glenwood, Illinois 60425

Re: Phase I: Water Well Study
Village of Glenwood
K-Plus Project No. 24042A

Dear Mr. Welsh:

K-Plus Engineering, LLC (K-Plus) is pleased to provide the Village of Glenwood with the results of our Phase I: Water Well Study for a new community supply drinking water well to be located in Glenwood, Illinois.

We are pleased to have this opportunity to offer our services and look forward to working with you on this project.

If you have any questions regarding this proposal, please feel free to contact me at your convenience.

Sincerely,
K-PLUS ENGINEERING

James L. Loring, P.G.
Principal Geologist

Daniel Caplice
Senior Principal Engineer

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PROJECT SUMMARY

K-Plus was asked to complete a study of local water wells, and the local and regional geology to evaluate the potential for the completion of a new community supply water well and associated infrastructure for the Village of Glenwood. The Village is seeking to provide an initial 1,500 gallons per minute of water supply with a potential to increase the pumpage and storage capacity of the system. The estimated initial daily pumpage demand was estimated at 2,160,000.00 gallons per day. Based on a review of the local geology multiple aquifers are present; however, the ability to provide the required pumping capacity and quantities would require utilizing deep aquifers or a combination of shallow and deep wells.

Regional Geology

The rocks making up the Cambrian and Ordovician strata, including those that make up the Cambrian-Ordovician Aquifer (COA), occur at or near the land surface or directly below glacial deposits in parts of north-central and northwestern Illinois and into southern Wisconsin. Recharge to COA occurs in those areas generally through precipitation and surface water recharge which then flows laterally through the aquifer. Groundwater may also recharge the aquifer from other geologic units through leakage or there erosion has resulted in the direct deposition of glacial deposit's overlying the COA. Water entering the aquifer east of a line in western Boone, DeKalb, and LaSalle Counties flows eastward and southward toward Chicago; west of that line, groundwater flows generally west and south. In much northern Illinois bedrock layers slope down to the east-southeast resulting in the COA being buried by several hundred of overlying deposits in the Chicago region.

SYSTEM	SERIES	GROUP	FORMATION	AQUIFER OR CONFINING UNIT	THICKNESS (meters)	DESCRIPTION		
Quaternary	Pleistocene			Sand and gravel aquifers and till, silt, and clay confining units	0-180	Glacial-till, silt, gravel; windblown silt; alluvial silt, sand, gravel		
Pennsylvanian				Confining unit	0-150	Mainly shale, some sandstone, limestone, coal		
Mississippian	Valmeyeran		St. Louis Salem Warsaw Keokuk- Burlington		0-180	Limestone, some shale and silty dolomite		
	Kinderhookian							
Devonian	Upper			Confining unit	0-120	Shale, calcareous		
	Middle							
	Lower							
Silurian	Niagaran			Silurian- Devonian aquifer	0-140	Dolomite, silty at base		
	Alexandrian		Kankakee Edgewood					
Ordovician	Cincinnatian		Maquoketa	Confining unit	0-75	Shale, locally argillaceous dolomite or limestone		
			Galena				0-140	Dolomite and limestone
			Platteville					
	Champlainian			Glenwood	0-200	Sandstone, shale at top. Sandstone. Basal shale		
				St. Peter				
	Canadian	Prairie du Chemin		Shakopee New Richmond Oneota	Cambrian-Ordovician aquifer system	30-400	Dolomite Sandstone Dolomite Sandstone	
				Gunter				
			Eminence and Potosi					
Cambrian	Croixan		Franconia	Confining unit	75-140	Dolomite, sandstone, and shale		
			Ironton					
			Galesville					
			Eau Claire					
		Mt. Simon	Mt. Simon aquifer	150-790	Sandstone			

Figure 1 - Stratigraphic column for Northeastern Illinois

Regional Ground Water Usage

The earliest known withdrawal from the COA in Chicago was in 1864, when a well was drilled at the corner of Chicago and Western Avenues. Historical reports stated that water flowed out of this well without pumping and initially had pressure to raise water in the well about 80 feet above land surface. By 1900, many wells had been drilled into the COA, causing water levels to decrease beneath Chicago, Joliet, and other major pumping centers. By the mid 1900's water was being pumped from the aquifer at a rate that exceeded the annual naturally occurring recharge. Although withdrawals by Chicago industry began to decline in the 1970s, drinking water demands increased as a result of growing populations in the Chicago metropolitan collar counties until groundwater usage peaked in 1979. By then, water levels had been lowered by as much as 850 feet in Chicago and other major pumping centers, causing an area of depressed water levels in the aquifer that extended throughout northeastern Illinois and into parts of southern Wisconsin.

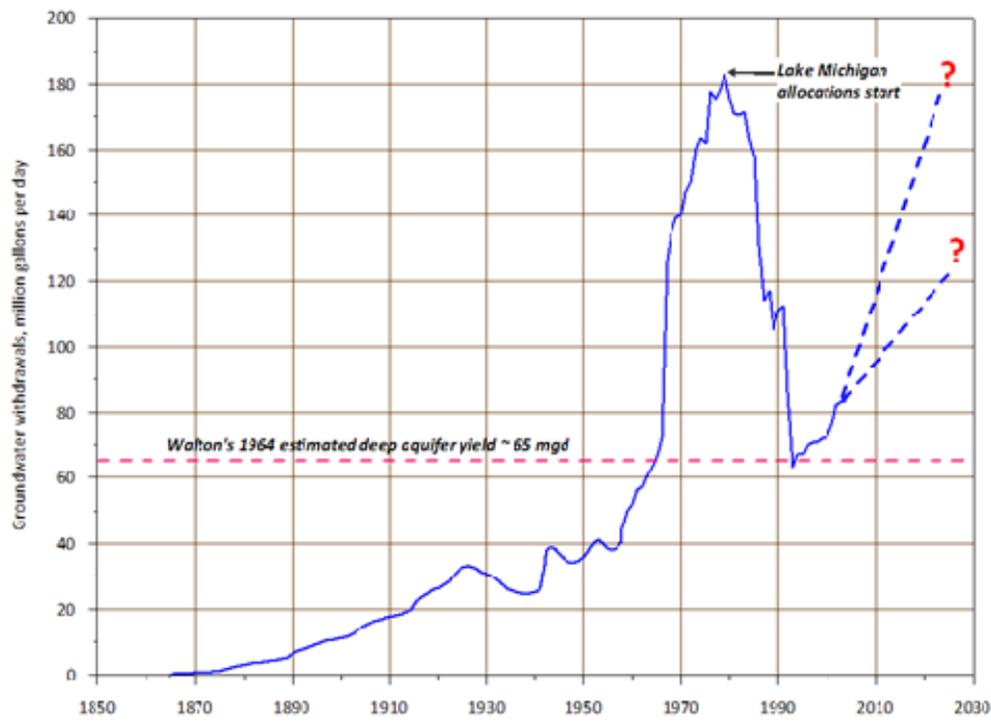


Figure 2 - Deep water aquifer annual withdrawals from 1850-2010

After 1979, withdrawals from the COA decreased as other sources of drinking and industrial water were used, including increased withdrawals from Lake Michigan and diversion of surface water from the Fox River as well as utilizing local shallower aquifers. Concerns regarding elevated radium levels in the COA and other water-quality issues increased the use of other sources of water. Dramatic decreases in withdrawals occurred as some suburban counties began to receive drinking water from Lake Michigan in the early 1990s. Groundwater levels in the COA increased over 250 feet in and near Chicago between 1991 and 1995. Subsequently pumpage levels bottomed out and started to increase in the period after 2000. Continued increases in pumping may again lower water levels in the COA and other aquifers now in use as withdrawals exceed the natural recharge rate.

For more than a century, groundwater has been used by industries throughout the Chicago region and for drinking water in most suburban areas. Many early wells were drilled into sand and gravel near land surface and into the underlying bedrock. Any layer of rock or sediment that can yield useful quantities of water to a well is called an aquifer. In northeastern Illinois four main aquifers are present: sand and gravel within the Quaternary glacial deposits at or near land surface, shallow bedrock composed mostly of dolomite of the Silurian System that underlies the glacial deposits, and two deeper bedrock aquifer systems composed mostly of sandstones of the Cambrian and Ordovician Systems. Of the deep aquifers the uppermost is the most important and more heavily used. It comprises two different geologic units, the Glenwood-St. Peter and the Ironton-Galesville Sandstones that are often grouped together with other rock layers and called the Cambrian-Ordovician Aquifer (COA). Water produced from the deepest bedrock aquifer, the Mt. Simon

Sandstone, is generally too saline for domestic or industrial use, particularly in the southern and eastern parts of the Chicago region. Figure 3 below illustrates the major north communities that utilize the deep COA. The figure is from an Illinois State Geological Survey mid 1980's publication and it should be noted that DesPlaines, Elk Grove Village and Elmhurst no longer use the COA and have been utilizing Lake Michigan water. However new users of the COA include Western Springs and Yorkville replacing prior users.

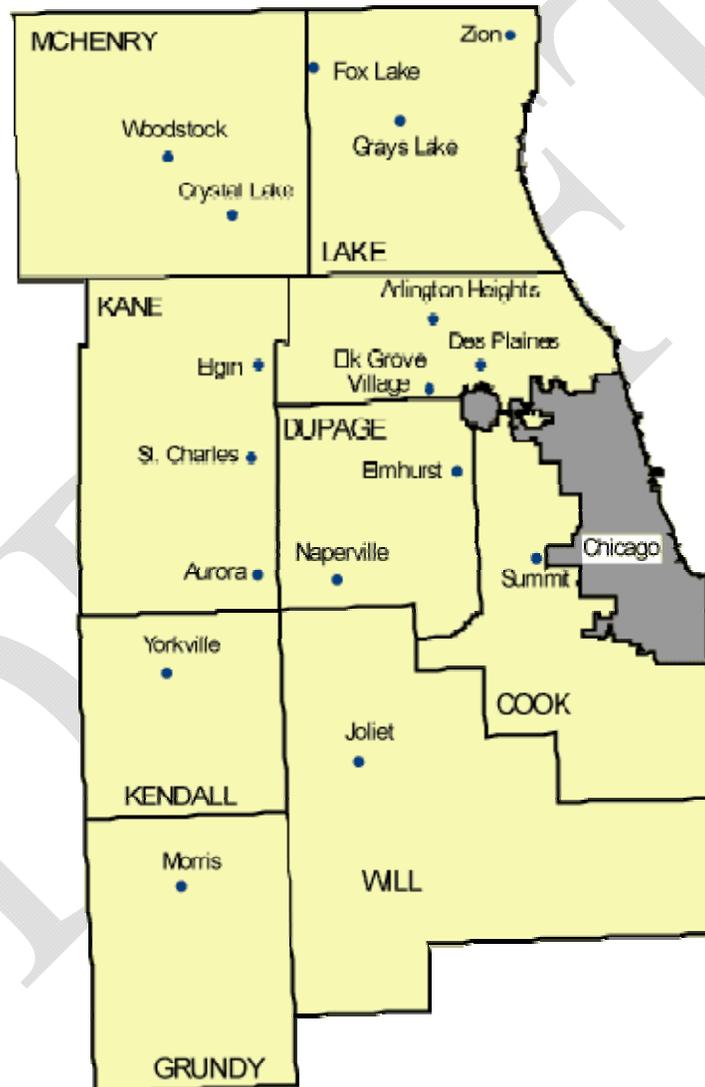


Figure 3 - Northeastern Illinois with major metropolitan deep water aquifer users from 2005.

Water Quality: Deep Aquifers

The most important water quality issues pertaining to deep bedrock (Cambrian-Ordovician) aquifers in northeastern Illinois are elevated levels of naturally occurring radium, barium, and total dissolved solids (TDS).

TDS concentrations generally increase from northwest to southeast across northeastern Illinois. A larger part of Lake, Cook, and Will Counties have TDS concentrations above the secondary drinking water standard (500 milligrams per liter or mg/L), and TDS concentrations in the extreme southeastern part of the area are high enough to make the water unpotable without substantial treatment, which is uneconomical at this time.

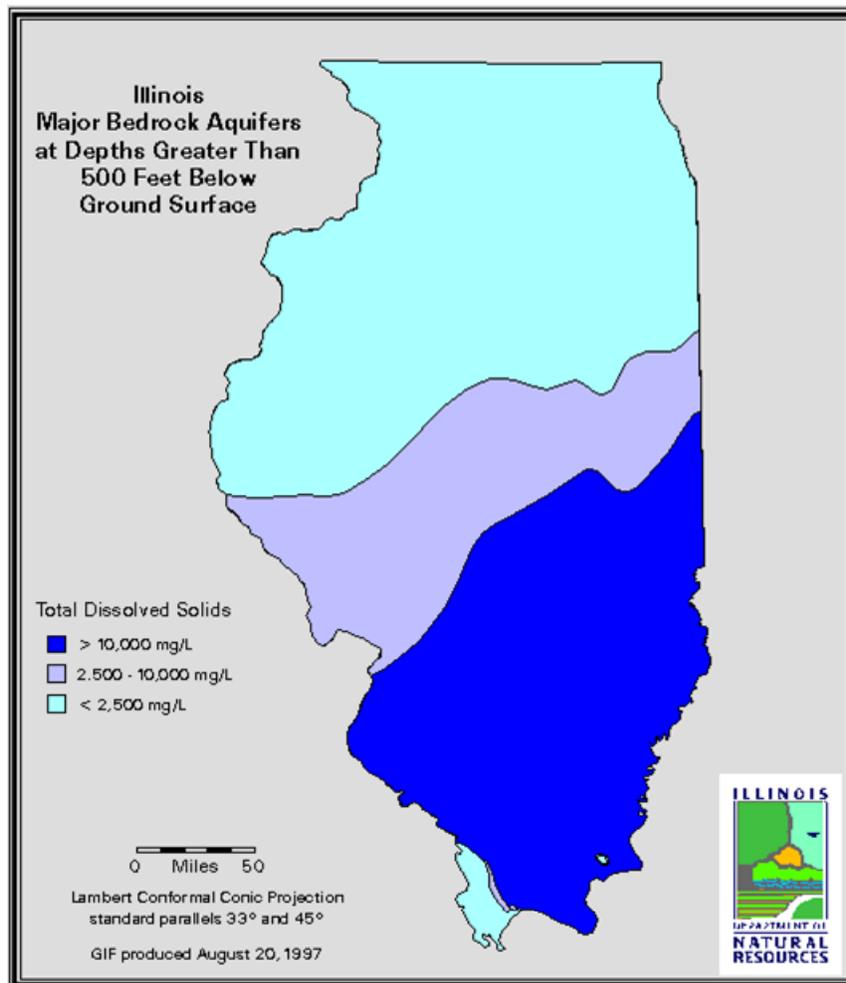


Figure 4 - Total Dissolved Solids in the Major Deep Bedrock Aquifers in Illinois.

area. This includes most of Kane and McHenry Counties and parts of Cook and Lake Counties. Extremely high concentrations (>5 mg/L) occur within the region and pose a health risk. Also Barium levels increase over time, particularly in the deep aquifer. Barium can precipitate out of solution as the mineral barite in wells, resulting in reduced well productivity and high maintenance costs. Barium is removed from drinking water supplies by ion exchange softening and lime softening and would be removed during the same processes involved to remove Radium.

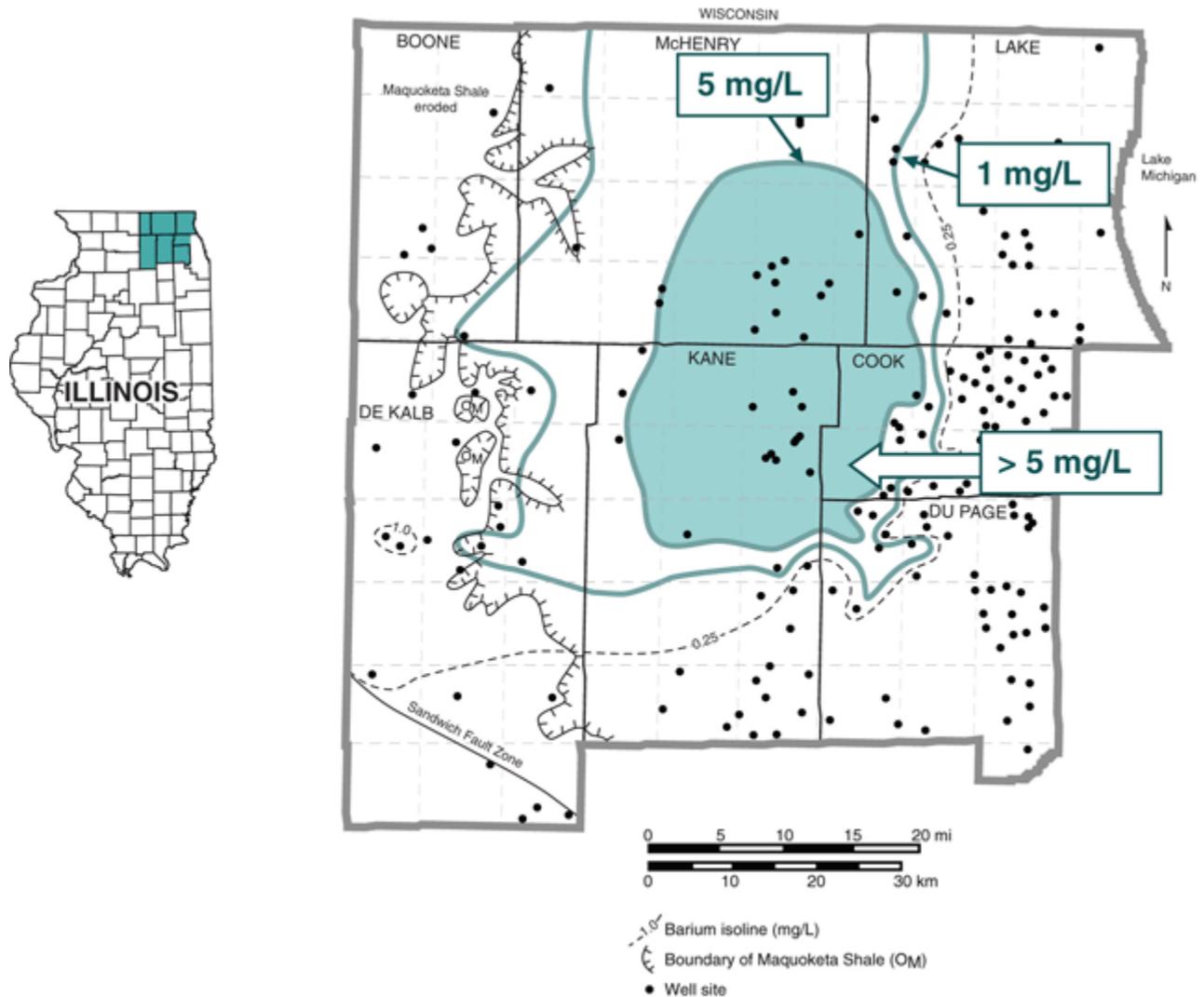


Figure 6 - Areas where Barium exceeds the 5 mg/L concentrations in the deep bedrock aquifer system

In approximately 2005 Illinois State Water Survey began evaluating the threat that increased pumping from the deep bedrock aquifers beneath northeastern Illinois may increase levels of TDS, radium, and barium. Preliminary examination of historical data suggests that while TDS levels have not been increasing in wells open to deep bedrock aquifers in most of northeastern Illinois, levels

may be increasing at some major pumping centers including the municipalities of Joliet and Aurora. The final data regarding the study has not yet been released. Assessments of trends in radium and barium concentrations have not been done, and there is a lack of historical radium data.

Water Quality: Shallow Aquifers

As continued demand adds pressure to the local sources and concern over the quality of the deeper aquifers grows the ability to provide sufficient water resources becomes more critical to local communities. Demands from population growth and development in northeastern Illinois place a heavy demand on water resources. As determined by the Supreme Court and by agreement with other states and Canada, Lake Michigan Diversion U.S. Supreme Court degrees limit Illinois to diverting an average of 3,200 cubic feet per second (cfs) from Lake Michigan. Illinois has exceeded that amount 11 of the 15 years from 1981 through 1995. Essentially, Lake Michigan water is already fully allocated. Add to that the fact that withdrawals from deep bedrock aquifers may also be approaching their sustainable limits, shallow bedrock and overlying sand-and-gravel aquifers are expected to be an important source of additional water to meet the increased demand. Estimates ranging as high as 500 million gallons/day have been published as being available in the shallow aquifers according to the Illinois State Water Survey Report of Investigations (1976).

As opposed to the deeper bedrock aquifers shallow aquifers are more vulnerable to surface contamination. Sources of surface contamination are many and are found throughout the typical community and include: landfills, sewage treatment plants, industrial effluents, atmospheric deposition, septic fields, underground and above ground storage tanks for petroleum products including gasoline and diesel fuel and road runoff from stormwater. The large list of potential contaminants includes various organic classes (e.g., petroleum compounds, solvents and pesticides), toxic metals (e.g., cadmium, lead and chromium), chloride, sulfate, nitrogen, and high total dissolved solids (TDS). Chloride concentrations have been increasing in many shallow wells in northeastern Illinois, primarily due to road salt runoff. The figure below shows a study conducted in Kane County from three different time periods. Data from the first two periods were pulled from the ISWS water quality database, the last is from Kelly (2005). Municipalities are outlined; gray areas indicate aquifer material within 50 ft of the land surface. Though this data is from Kane County, chloride concentrations may be found in local water due to the increasing urbanization of the area. In the future, if not already, elevated chloride levels may be seen in this aquifer.

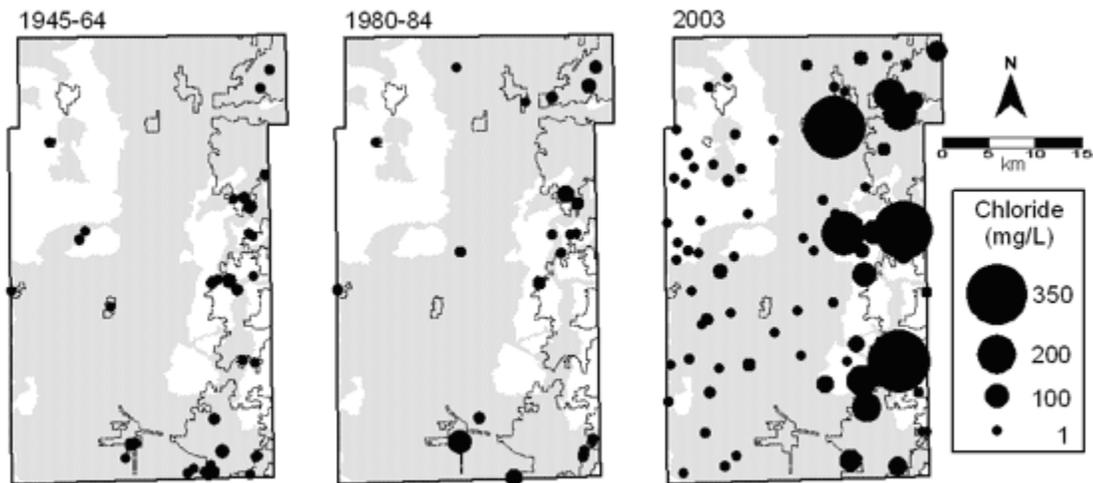


Figure 7 – Increasing chloride concentrations (mg/L) over time

Shallow groundwater quality was reported to be significantly worse in the urban eastern part of Kane County compared to the western rural part of that county. Locally the shallow aquifers have been impacted from local historical sources as has occurred in Sauk Village as result of uncontrolled releases of chlorinated solvents.

The proposed future well site was identified as a lot located within the Glenwood Science Park Subdivision, which was located near Glenwood-Chicago Heights Road north east of the intersection of Holbrook Road (Site). Since this well is proposed in a developing industrial area of Glenwood, K-Plus consulted government databases of registered sites that have experienced releases of contamination, or those businesses that use/store hazardous materials. K-Plus utilized Environmental Data Resources to conduct a standard environmental record search in accordance with the ASTM standards. The specific databases consulted, the publication dates, and the search results are included in a database report included in the Appendix.

The EDR database report identified the following sites within the standard ASTM search radius: one (1) CERCLIS facility; one (1) RCRA-Gen listing; five (5) LUST listings; one (1) UST listing and two (2) SRP enrolled listings.

Glenwood Public Works (19100 Glenwood Chicago Heights Road) was identified on the UST database with four removed Underground Storage Tanks (USTs). Three USTs were identified as 6,000-gallons in size and stored gasoline and diesel fuel. One UST was identified as 600-gallons in size and stored heating oil. This site was not identified on the LUST database, indicating that during the removal no tanks experienced releases.

Landauer Inc. (3 Science Road) to the north of the property was identified on the RCRA-SQG and Finds databases. A RCRA-Small Quantities Generator site stores/produces more than 100 and less than 1,000 kg of hazardous waste per calendar month. This site was registered in 2009 as a SQG, however dating back to 1989 this site was a Large Quantities Generator. Landauer was identified as generating ignitable wastes (D001), corrosive waste (D002), silver (D011) and MEK (D035). No violations were reported for this facility.

These two facilities were the only sites located within 1/8 mile of the property, however at least 11 surrounding area properties were identified on environmental databases within one mile of the property.

Existing Local Ground Water Use:

K-Plus completed a review of Illinois State Water Survey/Geological Survey water well records for a nine section area immediately surrounding the proposed well site within the Village of Glenwood. An Illinois State Geological Survey Questor Custom Map and the results of our well log search are included in the Appendix of the report. The search identified 73 well records with nineteen (19) of the records for shallow wells less than 100 feet in depth, forty-eight (48) records for wells 100 to 500 feet in depth and six (6) records for wells over 500 feet in depth. Generally, but not as a rule, wells completed less than 100 feet are typically completed in shallow sand and gravel aquifers of limited horizontal extend, with wells less than 500 feet in depth completed in the Silurian limestone. Wells deep than 500 feet are typical of the Cambrian-Ordovician Aquifer (COA) Wells that are generally 1000 to 1500 feet in depth.

Of the available well records reviewed, two were for wells completed for the Village of Glenwood #3 and #5 (no information was included in the file from the ISGS regarding Glenwood wells #1, 2 and 4). The Glenwood Village Well #3 was identified as located on Center Street, and listed as completed in 1964 to a total depth of 1789 feet. Geological formation tops were listed as Silurian 40 feet, Maquoketa 482, feet, Galena 665 feet, St Peter 989 feet and the Eau Clarie 1788 feet. According to the driller notes a pumping level of 502 feet was observed after pumping at 745 gpm for 12 hours. Glenwood Village Well #5 was located on E. 192nd Street, and listed as competed in 1969 with a total depth of 1785 feet with geological formation tops were listed as Silurian 44 feet, Maquoketa 473, feet, Galena 680 feet, St Peter 1012, Ironston 1607 feet and the Eau Clarie 1769 feet. All of the public drinking water supply wells were decommissioned and sealed in the approximately 1988-1989 in order to connect to the Lake Michigan drinking water. There is a possibility, depending on the way these wells were decommissioned, to reactivate these old wells to act as test wells in order to provide accurate quality information for the treatment plan.

Providing an estimated depth to geological formation as follows:

Silurian	42 feet
Maquoketa	477 feet
Galena	673 feet
St Peter	1000 feet
Eau Claire	1778 feet

The original well at the Glenwoodie Golf & Country Club (Glenwoodie) was installed in approximately 1930 to a total depth of 269 feet. A second well at the Glenwoodie was installed in 1963 to a total depth of 351 feet. According to the driller notes the static water level was observed at 18 feet. Drawdown water level was noted at 242 feet at 292 gallons per minute for 7.5 hours. A third well was installed in 1987 to a total depth of 475 feet. According to driller notes the pumping level was established at 133 feet when pumping at 400 gpm for 16 hours.

A property to the north of the site at 2 Science Road installed an irrigation supply well in 2003 to a total depth of 780 feet. According to the driller notes, a pumping level of 300 feet was observed when pumping 30 gpm for 2 hours.

K-Plus submitted Freedom of Information Act Requests to the Illinois Environmental Protection Agency (IEPA) Bureau of Water and the Illinois Department of Public Health for more information on the quality of these local wells. However that information has not been received as of the date of this report.

RECOMMENDATIONS

Based on communications with K-Plus the Village would like to be able to provide 1,500 gallons per minute or 2,160,000 gallons of groundwater each day to its system. To safely produce the quantity of water and to assume sustainable yields we offer the following recommendations and options; all will require post production water treatment:

Option one:

The installation of a deep geological well to a depth of approximately 1,800 feet. The well should be proposed to penetrate the geological column to the upper Eau Claire Formation to a depth of approximately 1,800 feet and should be capable of producing the required volume of water assuming appropriate well sizing. Water quality would require surface treatment to reduce TDS, Radium (>5 pCi/L) and Barium (<1 mg/L). Deep aquifer wells can also expect a high iron content and elevated levels of sodium.

Option Two:

The installation of two or three shallow depth wells completed in the Silurian at depths of approximately 500 feet could produce sufficient quantities of water if well diameter is sufficient and good fracturing and porosity are encountered. Surface treatment of the water would be necessary and the shallow aquifers would be more susceptible to local and regional contamination from surface and near surface releases. Shallow depth wells typically show issues with erratic quality.

Option Three:

Completion of a deep and one or two intermediate and/or shallow wells. This option is the most prudent as the deep well could be cycled to reduce aquifer stress and water from the multiple aquifers could be utilized. As drawdown of individual wells occurs the wells could be cycled to reduce overall drawdown and maintain aquifer water levels over a longer period of time.

While the shallow depths can provide short term sufficient quantities both increased local ground water use demand and longer term sustainability of the shallow ground water resources as well as the potential for contamination are in question. The deep aquifers within the region are at or near sustainable yields and recent reports indicate that the peak yields may be approaching with resulting declines in water levels within the deeper aquifers. If unsustainable water levels within the aquifers occur increased post production treatment of the water can be anticipated. In addition installation of multiple wells would allow for rotation of well pumping and “cycling” allowing aquifer stabilization and recharge.

Option Four:

Investigate the condition of the former municipal wells, specifically former Well #3 and former Well #5 to see how they were decommissioned and closed. If these wells were only capped, and are still in good condition, it may be possible to re-open these wells in order to complete the quality tests. And depending on the quality of the well it may also be possible to reopen these wells to connect to the Village supply at a significant cost savings to the Village.

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APPENDIX 1

SITE PLANS

PROPOSED PLAT

INDUSTRIAL NORTH RESUBDIVISION

of Lot 2, Lot 3, Outlot A and Outlot B in Industrial North Subdivision in the North Half of the North Half of Section 9, Township 35 North, Range 14 East of the Third Principal Meridian, in Cook County, Illinois

Parcel Identification Numbers: 32-09-200-006-0000, 32-09-200-008-0000, 32-09-200-009-0000

EASEMENT PROVISIONS

An easement for serving the subdivision and other property with electric and communications services is hereby reserved for and granted to: Commonwealth Edison Company, Comcast and AT&T Illinois their respective successors and assigns...

Notwithstanding any term or provision stated above and only to the extent this easement involves the same property that is subject to the non-exclusive easement in favor of Nicor as described in the special warranty deed dated December 27, 2010 and recorded as document number 1036441009...

An easement is hereby reserved for and granted to: Northern Illinois Gas Company d/b/a Nicor Gas Company their respective successors and assigns...

The term "Common Elements" shall have that meaning set forth for such term in Section 605/2(e) of the "Condominium Property Act" (Illinois Compiled Statutes, Ch. 765, Sec. 605/2(e)), as amended from time to time.

The term "Common Area or Areas" is defined as a lot parcel or area of real property, including real property surfaced with interior driveways and walkways, the beneficial use and enjoyment of which is reserved in whole or in part to the separately owned lots, parcels or areas within the property...

An easement is hereby reserved for and granted to: The Village of Glenwood, Illinois their respective successors and assigns...

Notwithstanding any term or provision stated above and only to the extent this easement involves the same property that is subject to the non-exclusive easement in favor of Nicor as described in the special warranty deed dated December 27, 2010 and recorded as document number 1036441009...

Drainage Covenant: It is hereby covenanted that the Drainage Easements shown on this plat shall be graded to conform to the surface drainage pattern within each block as from time to time are established by the Village Engineer of the Village of Glenwood, Illinois...

Note: The Public Utility & Drainage Easements (as heretofore established in Industrial North Subdivision, recorded as document number 1108916064) and more specifically located along the easterly and southerly lines of Lot 1, the westerly and northerly lines of Lot 2 which are adjacent to Lot 1, the southerly and easterly lines of Lot 2, the southerly and easterly lines of Outlot B and the northerly line of Lot 3...

as shown on the annexed plat and that said plat is a correct representation of said survey and subdivision. Dimensions are in feet and decimal parts thereof. Monuments have been set at all lot corners indicated by a 5/8" iron rod, 24" in length.

I further state that a part of the subject property covered by this plat of resubdivision is situated within a Special Flood Area, "Zone X - Area determined to be outside 500-Year floodplain," as determined by scale from the "Flood Insurance Rate Map - FIRM" for Cook County, Illinois and incorporated areas, Map Number 17031C0742J panel 742 of 832 effective date August, 19, 2008 & Map Number 17031C0761J panel 761 of 832 effective date of August 19, 2008 prepared by Federal Emergency Management Agency (FEMA), as part of the Federal Insurance Administration (Subject to uncertainties, inaccuracies, and scale of said map. Also subject to the uncertainties and inaccuracies associated with scaling from said map).

South Holland, Illinois, July 10, 2012

Certificate Number 035-003243 License Expires November 30, 2012 This professional service conforms to the current Illinois minimum standards for a boundary survey.

STATE OF ILLINOIS)) SS COUNTY OF COOK)

Robinson Engineering, Ltd. does hereby state that a survey has been made at its direction to the property described hereon for the purpose of subdividing the same into lots as shown hereon.

South Holland, Illinois, July 10, 2012

Thomas R. Lang Director of Engineering

After recording mail to: Robinson Engineering, Ltd. 17000 South Park Avenue South Holland, IL 60473 Attention: Survey Department

184001128 PROFESSIONAL DESIGN FIRM STATE OF ILLINOIS SOUTH HOLLAND, ILLINOIS

10-363 2012-07-30 GLENWOOD FINAL PLAT INDUSTRIAL NORTH RESUBD EASE-VAC.DWG

OWNER'S CERTIFICATE

STATE OF ILLINOIS)) SS COUNTY OF COOK)

The undersigned, VILLAGE OF GLENWOOD, ILLINOIS, a Body Politic and Incorporate, as Title holder of the property as described hereon, in the Village of Glenwood, Illinois, does hereby certify that as such Titleholder it has caused said property to be surveyed and subdivided as shown hereon.

Dated this _____ day of _____ A.D. 2012

VILLAGE OF GLENWOOD, ILLINOIS

By: Kerry Durkin - Village President Attest: Carmen Hopkins - Village Clerk

ACKNOWLEDGEMENT

STATE OF ILLINOIS)) SS COUNTY OF COOK)

I, _____ a Notary Public in and for said County in the State aforesaid do hereby certify that KERRY DURKIN and CARMEN HOPKINS, of the VILLAGE OF GLENWOOD, personally known to me to be the same persons whose names are subscribed to the foregoing instrument as Village President and Village Clerk respectively, appeared before me this day in person and acknowledged that they signed and delivered the said instrument as their own free and voluntary act and as the free and voluntary act of said VILLAGE, for the uses and purposes therein set forth.

GIVEN UNDER MY HAND AND SEAL THIS _____ DAY OF _____ A.D. 2012

NOTARY PUBLIC

SCHOOL DISTRICT DECLARATION

The owner of the hereon described property certifies that to the best of its knowledge and belief the property described hereon lies within the following school districts: ELEMENTARY SCHOOL DISTRICT #167 BLOOM TOWNSHIP HIGH SCHOOL DISTRICT #206 PRAIRIE STATE COMMUNITY COLLEGE DISTRICT #515

VILLAGE OF GLENWOOD, ILLINOIS, THIS _____ DAY OF _____, 2012

By: Carmen Hopkins - Village Clerk

PLAN COMMISSION CERTIFICATE

Approved by the Plan Commission of the Village of Glenwood, Illinois at a meeting held this _____ day of _____ A.D. 2012

By: Jon Siner - Chairman

VILLAGE BOARD CERTIFICATE

Approved by the President and Board of Trustees of The Village of Glenwood, Illinois, at a meeting held this _____ day of _____ A.D. 2012

By: Kerry Durkin - President Attest: Carmen Hopkins - Village Clerk

VILLAGE TREASURER CERTIFICATE

I hereby certify that I find no deferred installments of outstanding unpaid special assessments or unpaid current special assessments due against the property described hereon.

By: Janice L. Barry - Village Treasurer

NICOR CERTIFICATE

STATE OF ILLINOIS)) SS COUNTY OF DUPAGE)

The undersigned, NORTHERN ILLINOIS GAS COMPANY, an Illinois Corporation, d/b/a as NICOR Gas Company, located at 1844 Ferry Road, Naperville, IL 60563, having agreed to the relocation of a certain "Covenant Parcel" as described in Special Warranty Deed recorded December 30, 2010 as document number 1036441009 in Cook County, Illinois, and designated as "Amended Covenant Parcel" as described in an Agreement recorded XXXXX XX, 2012 as document #XXXXXXXXXXXX in Cook County, Illinois, do hereby acknowledge and agree that the relocation of said "Covenant Parcel" and its subsequent designation as "Amended Covenant Parcel" (shown hereon as Outlot A) is an accurate depiction of the said "Amended Covenant Parcel" as described in said document.

Dated this _____ day of _____ A.D. 2012

NORTHERN ILLINOIS GAS COMPANY d/b/a NICOR Gas Company

By: _____ Attest: _____

ACKNOWLEDGEMENT

STATE OF ILLINOIS)) SS COUNTY OF _____)

I, _____ a Notary Public in and for said County in the State aforesaid do hereby certify that _____ and _____ of NICOR Gas Company, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed and delivered the said instrument as their own free and voluntary act and as the free and voluntary act of said VILLAGE, for the uses and purposes therein set forth.

GIVEN UNDER MY HAND AND SEAL THIS _____ DAY OF _____ A.D. 2012

NOTARY PUBLIC

Send future Tax Bills to: Village of Glenwood One Asseborn Way Glenwood, IL 60425

100 0 100 SCALE 1" = 100'

10-363

ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3826 © COPYRIGHT 2010 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

FOR: VILLAGE OF GLENWOOD ONE ASSELBORN WAY GLENWOOD, ILLINOIS 60425

Drawn by: P.A.P. Date: APRIL 20, 2012 Checked by: D.C.P. Scale: 1" = 100' Sheet 1 of 1 Project No. 10-363

REVISIONS

No. Date Remarks

1 7/28/2012 RECONFIGURE OUTLOT A TO ACCESS AL-AMIN DRIVE

APPENDIX 2
WELL REPORTS

120310178500 Bilton Henry 3-35N-14E
Cook Hemingway Richard NE NW SW

Well Status: WATER - Water Well
Comdate: Plugdate: TD: 76
Elevation: Permit #: Permit Date:
Latitude: 41.549116 Longitude: -87.612985

120310178600 Blakmore James 3-35N-14E
Cook Hemingway Richard 80'S line, 660'E line, SW

Well Status: WATER - Water Well
Comdate: 03/01/1940 Plugdate: TD: 110
Elevation: 626' GL Permit #: Permit Date:
Latitude: 41.54282 Longitude: -87.609265

Logs Run: Driller's Log

120310178700 Brooks Geo 3-35N-14E
Cook Hemingway Richard 0'N 0'W of SE/c NE SW SW

Well Status: WATER - Water Well
Comdate: Plugdate: TD: 121
Elevation: Permit #: Permit Date:
Latitude: 41.544464 Longitude: -87.611734

120310179000 Dart Harvey 3-35N-14E
Cook Hemingway Richard NE SW SW

Well Status: WATER - Water Well
Comdate: Plugdate: TD: 72
Elevation: 625' GL Permit #: Permit Date:
Latitude: 41.545393 Longitude: -87.612956

Formations: 259SLRN 30 - Silurian Cook County Study.

120310178800 Dolan 3-35N-14E
Cook Hemingway Richard SW NW SW

Well Status: WATER - Water Well
Comdate: Plugdate: TD: 81
Elevation: Permit #: Permit Date:
Latitude: 41.547251 Longitude: -87.615408

120310178900 **Glenwood Village** 3-35N-14E
Cook Wehling Edwin C NW SW

Well Status: WATER - Water Well
Comdate: 01/01/1946 Plugdate: TD: 150
Elevation: 623' GL Permit #: Permit Date:
Latitude: 41.548183 Longitude: -87.614197

Logs Run: Driller's Log

Formations: 259SLRN 47 - Silurian Cook County Study.

120310036300 **Glenwood Village 3** 3-35N-14E
Cook Wehling Well Works Inc. 1550'S line, 1700'E line, SE

Well Status: WATER - Water Well
Comdate: 02/01/1964 Plugdate: TD: 1789
Elevation: 618' GL Permit #: Permit Date:
Latitude: 41.546873 Longitude: -87.603379

Logs Run: Driller's Log

Formations:	259SLRN	40 -	Silurian	Cook County Study.
	203MQKT	482 -	Maquoketa	Cook County Study.
	202GLEN	665 -	Galena	Cook County Study.
	202SPTR	989 -	St Peter	Cook County Study.
	153ECLR	1788 -	Eau Claire	Cook County Study.

120310179100 Hemingway Richard 3-35N-14E
 Cook Hemingway Richard SW SE SW

Well Status: WATER - Water Well
 Comdate: Plugdate: TD: 118
 Elevation: 629' GL Permit #: Permit Date:
 Latitude: 41.543532 Longitude: -87.610508

Logs Run: Driller's Log

Formations:	259SLRN	32 -	Silurian	Cook County Study.
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120310179200 Huesman Armand 3-35N-14E
 Cook McCaskey, H. 165'N line, 165'E line, NE NW SW

Well Status: WATER - Water Well
 Comdate: 01/01/1940 Plugdate: TD: 110
 Elevation: 622' GL Permit #: Permit Date:
 Latitude: 41.549594 Longitude: -87.612377

Logs Run: Driller's Log

Formations:	259SLRN	39 -	Silurian	Cook County Study.
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120310179300 Huesmann, Wm. 3-35N-14E
 Cook Hemingway Richard NW SE SW

Well Status: WATER - Water Well
 Comdate: 06/01/1940 Plugdate: TD: 98
 Elevation: 624' TM Permit #: Permit Date:
 Latitude: 41.545393 Longitude: -87.610522

Owner Address: Thornton IL
 Well Address: Lot: 9, Blk.2 Subd: Franz Czarra's

Casing and Liner Pipe:	Diam. (in.)	Kind and Weight	From(ft)	To(ft)
	4.5	GALV	53	0

Logs Run: Driller's Log

Formations:	259SLRN	53 -	Silurian	Cook County Study.
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Driller's Log:

0 -	5	clay, yellow
5 -	15	clay, blue, hardpan
15 -	20	boulders
20 -	35	gravel & sand
35 -	45	sand & boulders
45 -	53	bkn slabs br, mxd w/ boulders & gravel
53 -	98	rk, sft bl fm, cl sms & dry vy sft in pls

120310179400 Jones Rolland 112 3-35N-14E
 Cook Wehling Edwin C NW NW SW

Well Status: WATER - Water Well
 Comdate: 01/01/1947 Plugdate: TD: 104
 Elevation: 621' GL Permit #: Permit Date:
 Latitude: 41.549112 Longitude: -87.615419

Logs Run: Driller's Log

Formations: 259SLRN 33 - Silurian Cook County Study.

120310179500 Jung Chas 3-35N-14E
 Cook Hemingway Richard SW SE SW
 Well Status: WATER - Water Well
 Comdate: 10/01/1940 Plugdate: TD: 87
 Elevation: 626' GL Permit #: Permit Date:
 Latitude: 41.543532 Longitude: -87.610508

Logs Run: Driller's Log

Formations: 259SLRN 66 - Silurian Cook County Study.

120310179600 Kelley Ed 3-35N-14E
 Cook Hemingway Richard SE SE SW
 Well Status: WATER - Water Well
 Comdate: Plugdate: TD: 92
 Elevation: 625' GL Permit #: Permit Date:
 Latitude: 41.543532 Longitude: -87.608071

Formations: 259SLRN 54 - Silurian Cook County Study.

120310179800 Manthy Heinz 3-35N-14E
 Cook Wehling Edwin C SE SE SW
 Well Status: WATER - Water Well
 Comdate: 01/01/1947 Plugdate: TD: 123
 Elevation: 625' GL Permit #: Permit Date:
 Latitude: 41.543532 Longitude: -87.608071

Logs Run: Driller's Log

Formations: 259SLRN 26 - Silurian Cook County Study.

120310179700 Paris J 3-35N-14E
 Cook Hemingway Richard SE NW SW
 Well Status: WATER - Water Well
 Comdate: Plugdate: TD: 68
 Elevation: 624' GL Permit #: Permit Date:
 Latitude: 41.547254 Longitude: -87.612971

Formations: 259SLRN 34 - Silurian Cook County Study.

120312478000 Price Emmett 3-35N-14E
 Cook K & K Oil, Inc. NW NE SE
 Well Status: WATER - Water Well
 Comdate: 09/01/1974 Plugdate: TD: 180
 Elevation: 619' GL Permit #: Permit Date:
 Latitude: 41.549132 Longitude: -87.600817

Logs Run: Driller's Log

Formations: 259SLRN 57 - Silurian Cook County Study.

120310179900 Queen Ralph 113 3-35N-14E
 Cook Wehling Edwin C W2 SW NW

Well Status: WATER - Water Well
 Comdate: 01/01/1947 Plugdate: TD: 99
 Elevation: 602' GL Permit #: Permit Date:
 Latitude: 41.551903 Longitude: -87.615441

Logs Run: Driller's Log

Formations: 259SLRN 33 - Silurian Cook County Study.

120310180000 Rowe 3-35N-14E
 Cook Hemingway Richard NE SW SW

Well Status: WATER - Water Well
 Comdate: Plugdate: TD: 80
 Elevation: Permit #: Permit Date:
 Latitude: 41.545393 Longitude: -87.612956

120310180100 Stalling U H 3-35N-14E
 Cook Hemingway Richard 650'S line, 550'W line, SW SW

Well Status: WATER - Water Well
 Comdate: 01/01/1940 Plugdate: TD: 87
 Elevation: 635' GL Permit #: Permit Date:
 Latitude: 41.544392 Longitude: -87.614588

Logs Run: Driller's Log

120310180200 Tattersall, George 1 3-35N-14E
 Cook Hemingway Richard 795'S line, 100'W line,

Well Status: WATER - Water Well
 Comdate: 11/01/1939 Plugdate: TD: 84
 Elevation: 634' GL Permit #: Permit Date:
 Latitude: 41.54479 Longitude: -87.616239

Driller's Log: 0 - 0 S.S.#3845
 0 - 0 total depth 84
 0 - 55 rock

120312778200 Forest Pres.Dist.of Cook Cty. 4-35N-14E
 Cook Stinnett, James R. SE SW NW

Well Status: WATER - Water Well
 Comdate: 05/26/1978 Plugdate: TD: 200
 Elevation: 628' GL Permit #: 92607 Permit Date: 02/07/1980
 Latitude: 41.550853 Longitude: -87.632525

Owner Address: 536 North Harlem Ave. River Forest IL
 Well Address: Glenwood, IL Lot: Subd: Glenwood North

Well Type: NCPUB - Noncommunity - Public Water Well

Water Bearing Formation: limestone 75 to 180 ft
 Static Water Level: 85 ft. below casing top of 1 ft. Hole Diam.:
 Pumping Level: 100 ft. when pumping at 15 gpm for 4 hours.
 Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
 6 GALVANIZED 19.36# 0 60
 Size hole below casing: 5.6200 in.

Logs Run: Driller's Log

Formations: 259SLRN 28 - Silurian Cook County Study.

Driller's Log: 0 - 3 blk dirt-top soil

3 - 28 rock, dirt-sdy soil
28 - 58 westland ls & shale
58 - 200 limestone

120310180300 Geczaz Zenon 4-35N-14E
Cook Hemingway Richard 900'S line, 600'E line, NE
Well Status: WATER - Water Well
Comdate: 04/01/1940 Plugdate: TD: 77
Elevation: 621' GL Permit #: Permit Date:
Latitude: 41.552505 Longitude: -87.61886

Logs Run: Driller's Log

Formations: 259SLRN 37 - Silurian Cook County Study.

120310042300 **Glenwood Manor Sub** 4-35N-14E
Cook Wehling Well Works Inc. 2750'N line, 142'W line,
Well Status: WATER - Water Well
Comdate: 08/01/1961 Plugdate: TD: 455
Elevation: 625' GL Permit #: Permit Date:
Latitude: 41.549812 Longitude: -87.635658

Logs Run: Geologic Tops
Survey Sample Study

Formations: 259SLRN 10 - Silurian Cook County Study.
203MQKT 435 - Maquoketa Cook County Study.

120313412100 Landaver, Inc. 4-35N-14E
Cook Sharpe, Franklin N. SW SW SE
Well Status: WATER - Water Well
Comdate: 04/11/2003 Plugdate: TD: 780
Elevation: Permit #: Permit Date: 04/07/2003
Latitude: 41.54344 Longitude: -87.625141

Owner Address: 2 Science Rd. Glenwood IL
Well Address: same as above Lot: Subd:

Well Type: **IRRIG - Irrigation Well**

Water Bearing Formation: limestone 41 to 780 ft
Static Water Level: 265 ft. below casing top of 2 ft. Hole Diam.: 10 in.
Pumping Level: 300 ft. when pumping at 30 gpm for 2 hours.
Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 PVC 2 41

Driller's Log: 0 - 20 clay
20 - 25 broken rock
25 - 780 limestone

120312489800 Sarnacki F 4-35N-14E
Cook Wehling Well Works Inc. 810'S line, 340'E line, SW NE
Well Status: WATER - Water Well
Comdate: 08/01/1974 Plugdate: TD: 455
Elevation: Permit #: Permit Date:
Latitude: 41.552224 Longitude: -87.622792

Logs Run: Driller's Log

120310180400 Strand John 4-35N-14E
Cook No Company NE SE

Well Status: WATER - Water Well
 Comdate: Plugdate: TD: 110
 Elevation: 621' GL Permit #: Permit Date:
 Latitude: 41.54816 Longitude: -87.619072

Formations: 259SLRN 36 - Silurian Cook County Study.

120310180500 United Church 4-35N-14E
 Cook Hemingway Richard 1252'S line, 0'E line,

Well Status: WATER - Water Well
 Comdate: 01/01/1939 Plugdate: TD: 65
 Elevation: 625' GL Permit #: Permit Date:
 Latitude: 41.546048 Longitude: -87.616616

Logs Run: Driller's Log

Formations: 259SLRN 30 - Silurian Cook County Study.

120310180600 Zentera, Stanley 4-35N-14E
 Cook Hemingway Richard 1677'N 0'W of SE/c

Well Status: WATER - Water Well
 Comdate: 06/01/1940 Plugdate: TD: 84
 Elevation: 624' GL Permit #: Permit Date:
 Latitude: 41.54722 Longitude: -87.616624

Well Address: Lot: 10 Blk.4 Subd: M. K. Sheets

Pumping Level: ft. when pumping at 700 gpm for hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
 5 GALV 0 0

Logs Run: Driller's Log

Formations: 259SLRN 35 - Silurian Cook County Study.

Driller's Log: 0 - 5 sand & clay, yellow
 5 - 20 clay, blue fading to hardpan & boulders
 20 - 34 sand gvl & slabs of bedrock
 34 - 44 forged steel shoe, rock, flinty
 44 - 74 limestone, waterbearing
 74 - 84 stone, blue,sft,no water of any account

120313076300 Bolton Construction 5-35N-14E
 Cook Sharpe, Franklin N. NE SW SW

Well Status: WATER - Water Well
 Comdate: 02/17/1994 Plugdate: TD: 180
 Elevation: 647' GL Permit #: Permit Date: 12/07/1993
 Latitude: 41.54521 Longitude: -87.651842

April 1, 2014

Questor Data Extraction

11816

Well Address: Riegel Oaks Ln. Homewood, IL Lot: #2 Subd: Riegel Oaks

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 55 to 180 ft

Static Water Level: 17 ft. below casing top of 1 ft. Hole Diam.: 1 ft.

Pumping Level: 17 ft. when pumping at 30 gpm for 1 hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 PVC SDR 21 200# 0 55

Size hole below casing: 4.75 in.

Formations: 259SLRN 55 - Silurian Cook County Study.

Driller's Log: 0 - 15 clay
15 - 40 gravel
40 - 55 clay
55 - 180 limestone

120310180700 Carsons Mel 2262 5-35N-14E
Cook Wehling Edwin C 120'N line, 90'W line, SW SW

Well Status: WATER - Water Well

Comdate: 07/01/1966 Plugdate: TD: 200

Elevation: 643' GL Permit #: Permit Date:

Latitude: 41.545812 Longitude: -87.655155

Logs Run: Driller's Log

Formations: 259SLRN 54 - Silurian Cook County Study.

120310045900 Glenwood Village 2 5-35N-14E
Cook Wehling Well Works Inc. 2700'N line, 1100'E line,

Well Status: WATER - Water Well

Comdate: 10/01/1962 Plugdate: TD: 427

Elevation: 629' GL Permit #: Permit Date:

Latitude: 41.549932 Longitude: -87.640214

Logs Run: Geologic Tops
Survey Sample Study

Formations: 259SLRN 16 - Silurian Cook County Study.

120313474300 Homewood Flossmoor Pk Dist. 5-35N-14E
Cook Stinnett, David SE NW SE

Well Status: WATER - Water Well

Comdate: 06/10/2005 Plugdate: TD: 860

Elevation: Permit #: Permit Date: 04/29/2005

Latitude: 41.547075 Longitude: -87.642204

Owner Address: 3301 Flossmoor Rd. Flossmoor IL

Well Address: Apollo Park Homewood, IL Lot: Subd: Apollo Park

Well Type: IRRIG - Irrigation Well

Water Bearing Formation: rock 820 to 860 ft

Static Water Level: 12 ft. below casing top of 1 ft. Hole Diam.: 12 in.

Pumping Level: 300 ft. when pumping at 50 gpm for 1 hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
8 STEEL 0 41

Driller's Log: 0 - 15 brown clay
15 - 20 gray clay with gravel
20 - 470 white rock
470 - 860 gray rock

120312467300 Lantry Charles 5-35N-14E
Cook K & K Oil, Inc. SE NW SW

Well Status: WATER - Water Well
Comdate: 02/01/1974 Plugdate: TD: 200
Elevation: 650' GL Permit #: Permit Date:
Latitude: 41.547075 Longitude: -87.651894

Logs Run: Driller's Log

Formations: 259SLRN 60 - Silurian Cook County Study.

120312989800 R.W. Edwards Const. Co. 5-35N-14E
Cook Knierim, Phil SW SW SW

Well Status: WATER - Water Well
Comdate: 08/30/1990 Plugdate: TD: 160
Elevation: 627' GL Permit #: Permit Date: 07/16/1990
Latitude: 41.543349 Longitude: -87.654205

Owner Address: 603 Ridge Rd. Homewood IL
Well Address: 1401 Riegel Oaks Lane Lot: #2 Subd: Keller's
Well Type: PRIV - Private Water Well

Water Bearing Formation: rock 80 to 160 ft
Static Water Level: 80 ft. below casing top of 1 ft. Hole Diam.: 5 in.
Pumping Level: 120 ft. when pumping at gpm for 2 hours.
Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 BLACK 15# 0 55
Size hole below casing: 4.3700 in.

Formations: 259SLRN 55 - Silurian Cook County Study.

Driller's Log: 0 - 3 soil
3 - 40 clay
40 - 55 sand gravel
55 - 160 rock

120310180800 Wash Pk Airport 5-35N-14E
Cook Kramer Claude E NW NE SE

Well Status: WATER - Water Well
Comdate: 01/01/1941 Plugdate: TD: 130
Elevation: 626' GL Permit #: Permit Date:
Latitude: 41.548947 Longitude: -87.639811

Logs Run: Driller's Log

Formations: 259SLRN 38 - Silurian Cook County Study.

120310181600 Burdett 8-35N-14E
Cook Hemingway Richard SE NW NW

Well Status: WATER - Water Well
Comdate: Plugdate: TD: 104
Elevation: 631' GL Permit #: Permit Date:
Latitude: 41.539694 Longitude: -87.651742

Logs Run: Driller's Log

Formations: 259SLRN 36 - Silurian Cook County Study.

120310037600 Chicago Heights 32 8-35N-14E

Cook Wehling Well Works Inc. 2690'S line, 2285'W line,
 Well Status: WATER - Water Well
 Comdate: 11/01/1965 Plugdate: TD: 1777
 Elevation: 652' TM Permit #: Permit Date:
 Latitude: 41.535357 Longitude: -87.646945

Logs Run: Driller's Log

Formations: 259SLRN 19 - Silurian Cook County Study.
 203MQKT 443 - Maquoketa Cook County Study.
 202GLEN 660 - Galena Cook County Study.
 202SPTR 983 - St Peter Cook County Study.
 153IRNN 1564 - Ironton Cook County Study.
 153ECLR 1767 - Eau Claire Cook County Study.

120310181700 Davis Mary E 8-35N-14E
 Cook McCaskey, H. SE NE
 Well Status:
 Comdate: Plugdate: TD: 66
 Elevation: 631' GL Permit #: Permit Date:
 Latitude: 41.537002 Longitude: -87.638445

Logs Run: Driller's Log

Formations: 259SLRN 30 - Silurian Cook County Study.

120310181800 Eytcheson Geo E 1 8-35N-14E
 Cook McCaskey, H. 350'S line, 200'E line,
 Well Status:
 Comdate: Plugdate: TD: 61
 Elevation: 631' GL Permit #: Permit Date:
 Latitude: 41.529003 Longitude: -87.636641

Logs Run: Driller's Log

Formations: 259SLRN 31 - Silurian Cook County Study.

120310181900 Geimer Raymond 8-35N-14E
 Cook McCaskey, H. SE NE
 Well Status: WATER - Water Well
 Comdate: 12/01/1940 Plugdate: TD: 62
 Elevation: 631' GL Permit #: Permit Date:
 Latitude: 41.537002 Longitude: -87.638445

Logs Run: Driller's Log

Formations: 259SLRN 30 - Silurian Cook County Study.

120313308800 Hirsch, Steve 8-35N-14E
 Cook Fykes, Charles N. NW NE NE
 Well Status: WATER - Water Well
 Comdate: 12/06/1999 Plugdate: TD: 365
 Elevation: Permit #: Permit Date: 12/01/1999
 Latitude: 41.541495 Longitude: -87.639713

April 1, 2014

Questor Data Extraction

11816

Well Address: 922 W. 193rd Place Chicago Heights, IL Lot: Subd:

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 0 to 0 ft

Static Water Level: 40 ft. below casing top of 1 ft.

Hole Diam.:

Pumping Level: 280 ft. when pumping at 8 gpm for hours.

Casing and Liner Pipe:	Diam. (in.)	Kind and Weight	From(ft)	To(ft)
	5	DEEPENED WELL A53 STEEL	0	0
			0	0

Driller's Log:

0 -	85	depth of existing well
85 -	165	gray limestone
165 -	365	brown limestone

120312778500 Johns, Fred 1 8-35N-14E
Cook Stinnett, James R. SE

Well Status: WATER - Water Well

Comdate: 08/29/1976

Plugdate:

TD: 320

Elevation:

Permit #: 51177

Permit Date: 08/20/1976

Latitude: 41.531601 Longitude: -87.640783

Owner Address: 915 194th St. Holbrook IL

Well Address: Lot: #2 Subd: Holbrooks-1st Addit.

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 0 to 0 ft

Static Water Level: 28 ft. below casing top of 1 ft.

Hole Diam.: 5 in.

Pumping Level: 175 ft. when pumping at 5 gpm for 2 hours.

Casing and Liner Pipe:	Diam. (in.)	Kind and Weight	From(ft)	To(ft)
	5	GALVANIZED STEEL 15#	0	48

Size hole below casing: 4.75 in.

Logs Run: Driller's Log

Driller's Log:

0 -	1	top soil-sod
1 -	46	clay & hardpan
46 -	48	silt & clay w/rocks
48 -	48	bedrock

120312778600 Klein, Harold 8-35N-14E
Cook Holleman, Herbert Jr. NE

Well Status: WATER - Water Well

Comdate: 10/16/1979

Plugdate:

TD: 100

Elevation:

Permit #: 90145

Permit Date: 10/09/1979

Latitude: 41.538796 Longitude: -87.640881

Owner Address: 930 West 194th St. Chicago Heights IL

Well Address: Lot: #7 Subd: Holbrooks-1st addit.

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 45 to 100 ft

Static Water Level: 8 ft. below casing top of 1 ft.

Hole Diam.:

Pumping Level: 10 ft. when pumping at 15 gpm for 1 hours.

Casing and Liner Pipe:	Diam. (in.)	Kind and Weight	From(ft)	To(ft)
	5	STD STL.GALV 15# FT	0	45

Size hole below casing: 5 in.

Logs Run: Driller's Log

Driller's Log:

0 -	2	soil
2 -	21	yellow clay
21 -	41	blue clay

April 1, 2014

Questor Data Extraction

11816

41 - 45 gravel
45 - 100 limestone

120313471200 Leckrone, Amy 8-35N-14E
Cook Sharpe, Franklin N. NW NE NE

Well Status: WATER - Water Well
Comdate: 10/25/2005 Plugdate: TD: 260
Elevation: Permit #: Permit Date: 10/25/2005
Latitude: 41.541494 Longitude: -87.63971

Owner Address: 918 W. 193rd Place Chicago Hts. IL

Well Address: same as above Lot: Subd:

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 40 to 260 ft

Static Water Level: 20 ft. below casing top of 1 ft. Hole Diam.: 9 in.

Pumping Level: 20 ft. when pumping at 12 gpm for 2 hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 STEEL -1 40

Driller's Log: 0 - 10 clay
10 - 15 sand
15 - 23 gravel
23 - 260 limestone

120313169200 Spot-Not Car Wash 8-35N-14E
Cook Fykes, Charles N. NE NE NE

Well Status: WATER - Water Well
Comdate: 10/27/1994 Plugdate: TD: 505
Elevation: 616' GL Permit #: Permit Date: 10/13/1994
Latitude: 41.541491 Longitude: -87.637302

Owner Address: 1313 W. 175th Street Homewood IL

Well Address: Halsted & Holbrook Lot: Subd:

Well Type: NPOT - Non Potable Water Well

Water Bearing Formation: limestone 40 to 505 ft

Static Water Level: 140 ft. below casing top of 1 ft. Hole Diam.: 9 in.

Pumping Level: 190 ft. when pumping at gpm for 1 hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 A53 15# 0 40

Size hole below casing: 5 in.

Formations: 259SLRN 20 - Silurian Cook County Study.

Driller's Log: 0 - 20 brown clay
20 - 165 gray limestone
165 - 200 brown limestone
200 - 365 gray limestone
365 - 430 brown limestone
430 - 505 gray limestone

120312574700 Stelter Norman 8-35N-14E
Cook Wehling E W NW SE NE

Well Status: WATER - Water Well
Comdate: 11/01/1977 Plugdate: TD: 101
Elevation: 631' GL Permit #: Permit Date:
Latitude: 41.537898 Longitude: -87.639661

Logs Run: Driller's Log

Formations: 259SLRN 22 - Silurian Cook County Study.

120310182000 Tabner Sam 8-35N-14E
Cook McCaskey, H. NE

Well Status:
Complate: Plugdate: TD: 56
Elevation: 629' DM Permit #: Permit Date:
Latitude: 41.538796 Longitude: -87.640881

Logs Run: Driller's Log

120312778700 Whitfield, James 8-35N-14E
Cook Wehling, Wendell E. 100'N line, 90'E line, NW SE NE

Well Status: WATER - Water Well
Complate: 11/21/1979 Plugdate: TD: 300
Elevation: Permit #: 91250 Permit Date: 11/07/1979
Latitude: 41.538522 Longitude: -87.638796

Owner Address: R.R.#2 Box #6 Chicago Heights IL
Well Type: PRIV - Private Water Well

Static Water Level: 18 ft. below casing top of Hole Diam.: 5 in.
Pumping Level: 18 ft. when pumping at gpm for hours.
Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 GALVANIZED SEAMLESS -1 40
Size hole below casing: 4.8700 in.

Logs Run: Driller's Log

Driller's Log: 0 - 5 surface
5 - 30 clay
30 - 300 lime

120310069900 Willmer John 76 8-35N-14E
Cook Hollerman, H. SE NE

Well Status: WATER - Water Well
Complate: 01/01/1968 Plugdate: TD: 109
Elevation: 631' GL Permit #: Permit Date:
Latitude: 41.537002 Longitude: -87.638445

Logs Run: Driller's Log

Formations: 259SLRN 24 - Silurian Cook County Study.

120313308900 Willmer, John 8-35N-14E
Cook Sharpe, Franklin N. SW SE NE

Well Status: WATER - Water Well
Complate: 12/23/1999 Plugdate: TD: 280
Elevation: 632' GL Permit #: Permit Date: 12/14/1999
Latitude: 41.5361 Longitude: -87.639636

Owner Address: 933 W. 194th Place Chicago Hts IL
Well Address: same as above Lot: 4 Subd: Holbrook 1st Addn.
Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 41 to 280 ft
Static Water Level: 40 ft. below casing top of 1 ft. Hole Diam.: 10 in.
Pumping Level: 80 ft. when pumping at 12 gpm for 2 hours.
Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 ASTM A53B STEEL -1 41

Formations: 259SLRN 18 - Silurian Cook County Study.

April 1, 2014

Questor Data Extraction

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Driller's Log: 0 - 18 clay
18 - 23 broken rock
23 - 280 limestone

120312778800 Zagroski, John 8-35N-14E
Cook Holleman, Herbert SE NE

Well Status: WATER - Water Well
Comdate: 03/21/1981 Plugdate: TD: 120
Elevation: 631' GL Permit #: 98548 Permit Date: 02/25/1981
Latitude: 41.537002 Longitude: -87.638445

Owner Address: 925 193rd Place Chicago Heights IL
Well Address: Lot: #4 Subd: Holbrook's-1st addit

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 47 to 120 ft

Static Water Level: 22 ft. below casing top of 1 ft. Hole Diam.:

Pumping Level: 22 ft. when pumping at 15 gpm for 1 hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 STD STL.GALV 15# FT 0 47

Size hole below casing: 5 in.

Logs Run: Driller's Log

Formations: 259SLRN 47 - Silurian Cook County Study.

Driller's Log: 0 - 1 soil
1 - 12 yellow clay
12 - 33 sand
33 - 45 blue clay
45 - 47 gravel
47 - 120 limestone

120310416500 Coccia Achille 1 9-35N-14E
Cook Wehling Well Works Inc. 600'S line, 550'W line, NW SW

Well Status: WATER - Water Well
Comdate: 04/01/1972 Plugdate: TD: 101
Elevation: 631' GL Permit #: Permit Date:
Latitude: 41.533285 Longitude: -87.633955

Logs Run: Driller's Log

Formations: 259SLRN 30 - Silurian Cook County Study.

120312505900 Danley Lumber Co 9-35N-14E
Cook Wehling Well Works Inc. NW SE NW

Well Status: WATER - Water Well
Comdate: 10/01/1975 Plugdate: TD: 200
Elevation: 630' GL Permit #: Permit Date:
Latitude: 41.537947 Longitude: -87.629941

Logs Run: Driller's Log

Formations: 259SLRN 40 - Silurian Cook County Study.

120312467400 Engelsen Roger 9-35N-14E
Cook K & K Oil, Inc. SE NW NW

Well Status: WATER - Water Well
Comdate: 02/01/1974 Plugdate: TD: 170
Elevation: 628' GL Permit #: Permit Date:
Latitude: 41.539728 Longitude: -87.63241

Logs Run: Driller's Log

Formations: 259SLRN 41 - Silurian Cook County Study.

120313029900 Galderio, Michael 9-35N-14E
Cook Wehling, Richard H. SE SE SE

Well Status: WATER - Water Well
Comdate: 05/17/1991 Plugdate: TD: 220
Elevation: 630' GL Permit #: Permit Date: 05/09/1991
Latitude: 41.528912 Longitude: -87.617602

Owner Address: 90 N. St. Park Forest IL
Well Address: Glenwood Rd. Chicago Hts., IL Lot: Subd:

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 38 to 220 ft
Static Water Level: below casing top of Hole Diam.: 5 in.
Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 GALVANIZED -2 33
Size hole below casing: 5 in.

Formations: 259SLRN 33 - Silurian Cook County Study.

Driller's Log: 0 - 21 clay & gravel
21 - 33 sand & gravel
33 - 220 lime

120313366500 Johnson, Mrs. 9-35N-14E
Cook Walters, Larry NW NW SW

Well Status: WATER - Water Well
Comdate: 07/25/2001 Plugdate: TD: 400
Elevation: Permit #: Permit Date: 07/25/2001
Latitude: 41.534323 Longitude: -87.634767

Owner Address: 445 E. 168th Place South Holland IL
Well Address: 19505 S. Halsted Chicago Heights, IL Lot: Subd:

Well Type: PRIV - Private Water Well

Water Bearing Formation: rock 42 to 400 ft
Static Water Level: 30 ft. below casing top of 1 ft. Hole Diam.: 10 in.
Pumping Level: 378 ft. when pumping at 8 gpm for 4 hours.
Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 BLACK STEEL -1 42

Driller's Log: 0 - 2 topsoil
2 - 8 clay
8 - 26 sand gravel
26 - 400 rock

120312683000 Jones, Charles 9-35N-14E
Cook Sharpe, Franklin N. 207'S line, 80'W line, NE NW SW

Well Status: WATER - Water Well
Comdate: 01/25/1985 Plugdate: TD: 150
Elevation: 631' GL Permit #: 116359 Permit Date: 01/11/1985
Latitude: 41.533999 Longitude: -87.633249

Well Status: WATER - Water Well

Comdate: 07/01/1959

Elevation: 630' GL

Plugdate:

Permit #:

TD: 220

Permit Date:

Latitude: 41.539759

Longitude: -87.62875

Logs Run: Driller's Log
Geologic Tops
Survey Sample Study

Formations: 701PLSC 0 - 40 Pleistocene
259SLRN 35 - Silurian
252WKSH 40 - 195 Waukesha
252JOLT 195 - 220 Joliet

Cook County Study.

120313189000

Schavocky, John

9-35N-14E

Cook

Sharpe, Franklin N.

SE NW SW

Well Status: WATER - Water Well

Comdate: 03/15/1996

Elevation:

Plugdate:

Permit #:

TD: 400

Permit Date: 03/06/1996

Latitude: 41.532531

Longitude: -87.632299

Owner Address: 771 Coale Rd. Chicago Heights IL

Well Address: Lot: #20 Subd: Glen View

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 41 to 400 ft

Static Water Level: 15 ft. below casing top of

Hole Diam.:

Pumping Level: 200 ft. when pumping at 8 gpm for 2 hours.

Casing and Liner Pipe:	Diam. (in.)	Kind and Weight	From(ft)	To(ft)
	5	ASTM A53B STEEL	-1	41

Size hole below casing: 5 in.

Driller's Log: 0 - 18 clay
18 - 27 sand & gravel
27 - 400 limestone

120312723000

Selvaggio, Randy

9-35N-14E

Cook

Sharpe, Franklin N.

NW SW SW

Well Status: WATER - Water Well

Comdate: 05/23/1986

Elevation: 632' GL

Plugdate:

Permit #: 122099

TD: 340

Permit Date: 01/27/1986

Latitude: 41.530732

Longitude: -87.634711

Owner Address: R. R. #2 Box 102 Chicago Heights IL

Well Address: Lot: 5 Subd: Weberg

Well Type: PRIV - Private Water Well

Water Bearing Formation: limestone 40 to 240 ft

Pumping Level: ft. when pumping at 8 gpm for hours.

Casing and Liner Pipe:	Diam. (in.)	Kind and Weight	From(ft)	To(ft)
	5	ASTM A53B	0	41

Size hole below casing: 4.75 in.

Formations: 259SLRN 40 - Silurian

Cook County Study.

Driller's Log: 0 - 15 clay
15 - 30 sand
30 - 40 gravel
40 - 340 limestone

120313285000 Skyline Pool Assoc 1 9-35N-14E
 Cook Wehling Well Works 60'S 700'E of NW/c NW
 Well Status: WATER - Water Well
 Complate: 10/01/1963 Plugdate: TD: 355
 Elevation: Permit #: Permit Date:
 Latitude: 41.542249 Longitude: -87.633541

120310182100 Webb Harry 9-35N-14E
 Cook McCaskey, H. SW
 Well Status:
 Complate: Plugdate: TD: 70
 Elevation: 630' GL Permit #: Permit Date:
 Latitude: 41.531636 Longitude: -87.631064

Logs Run: Driller's Log

Formations: 259SLRN 32 - Silurian Cook County Study.

120313601800 Catholic Cemeteries 2 10-35N-14E
 Cook Wehling, Richard W. SE NE SE
 Well Status: WATER - Water Well
 Complate: 08/29/2011 Plugdate: TD: 270
 Elevation: Permit #: 031-016 Permit Date: 08/29/2011
 Latitude: 41.532643 Longitude: -87.598257

Owner Address: 1400 S. Wolf Rd. Hillside IL

Well Address: 19500 Cottage Grove Ave. Glenwood, IL Lot: Subd:

Well Type: COMM - Water Well for Commercial Operation

Water Bearing Formation: rock 270 to ft

Static Water Level: below casing top of Hole Diam.: 6 in.

Casing and Liner Pipe:	Diam. (in.)	Kind and Weight	From(ft)	To(ft)
	6	GALV. STEEL	-2	45

Size hole below casing: 6 in.

Driller's Log: 0 - 2 black dirt
 2 - 45 clay
 45 - 270 rock
 270 - 270 shale at

120310147300 Crawfort T 1 10-35N-14E
 Cook Wehling Well Works Inc. 50'N line, 350'W line, SW NW NE
 Well Status: WATER - Water Well
 Complate: 10/01/1971 Plugdate: TD: 135
 Elevation: 622' GL Permit #: Permit Date:
 Latitude: 41.540647 Longitude: -87.605541

Logs Run: Driller's Log

Formations: 259SLRN 36 - Silurian Cook County Study.

120310095800 Glenwood Village 5 10-35N-14E
 Cook Wehling Well Works Inc. 943'N line, 405'E line, NE
 Well Status: WATER - Water Well
 Complate: 01/01/1969 Plugdate: TD: 1785
 Elevation: 627' GL Permit #: Permit Date:
 Latitude: 41.540003 Longitude: -87.598567

Logs Run: Driller's Log

Formations:	259SLRN	44 -	Silurian	Cook County Study.
	203MQKT	473 -	Maquoketa	Cook County Study.
	202GLEN	680 -	Galena	Cook County Study.
	202SPTR	1012 -	St Peter	Cook County Study.
	153IRNN	1607 -	Ironton	Cook County Study.
	153ECLR	1769 -	Eau Claire	Cook County Study.

120310182200 Glenwoodie Co Club 1 10-35N-14E
Cook Gray Well Drilling 2600'N line, 1550'W line,

Well Status: WATER - Water Well
Comdate: Plugdate: TD: 269
Elevation: 629' GL Permit #: Permit Date:

Latitude: 41.535435 Longitude: -87.610798

Logs Run: Company Sample Study
Driller's Log
Geologic Tops
Survey Sample Study

Formations:	259SLRN	20 -	Silurian	Cook County Study.
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120310182300 Glenwoodie Co Club 2 10-35N-14E
Cook Gray Well Drilling 100'S line, 2600'W line,

Well Status: WATER - Water Well
Comdate: Plugdate: TD: 225
Elevation: 630' GL Permit #: Permit Date:

Latitude: 41.528336 Longitude: -87.606837

Logs Run: Company Sample Study
Driller's Log
Geologic Tops

Formations:	259SLRN	25 -	Silurian	Cook County Study.
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120310016000 Glenwoodie Co Club 3 10-35N-14E
Cook Layne Western Co., Inc. 2440'N line, 1920'W line,

Well Status: WATER - Water Well
Comdate: 05/01/1963 Plugdate: TD: 351
Elevation: 628' GL Permit #: Permit Date:

Latitude: 41.535874 Longitude: -87.609446

Logs Run: Driller's Log

Formations:	259SLRN	32 -	Silurian	Cook County Study.
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120312808000 Glenwoodie Golf & Country Club 10-35N-14E
Cook Wehling, Wendell E. 35'S line, 150'E line, SW NE SW

Well Status: WATER - Water Well
Comdate: 06/18/1987 Plugdate: TD: 475
Elevation: 629' GL Permit #: 131711 Permit Date: 05/14/1987

Latitude: 41.531778 Longitude: -87.609706

April 1, 2014

Questor Data Extraction

11816

Well Type: IRRIG - Irrigation Well

Static Water Level: 14 ft. below casing top of 1 ft. Hole Diam.: 12 in.

Pumping Level: 133 ft. when pumping at 400 gpm for 16 hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
12 BLACK STEEL 1 54

Size hole below casing: 11.87 in.

Formations: 259SLRN 50 - Silurian Cook County Study.
203MQKT 465 - Maquoketa Cook County Study.

Driller's Log: 0 - 47 clay and gravel
47 - 50 clay and boulders
50 - 190 broken lime
190 - 400 lime - grey & white
400 - 465 lime
465 - 475 shale

120310182400 Murphy Lawrence 271 10-35N-14E
Cook Wehling Edwin C E2 W2 NE

Well Status: WATER - Water Well
Comdate: 01/01/1950 Plugdate: TD: 152
Elevation: 613' GL Permit #: Permit Date:

Latitude: 41.538972 Longitude: -87.603158

Logs Run: Driller's Log

Formations: 259SLRN 58 - Silurian Cook County Study.

120310049700 Smiley James D 14-35N-14E
Cook Hollerman, H. 0'S 0'E of NW/c NW NW NW

Well Status: WATER - Water Well
Comdate: 01/01/1966 Plugdate: TD: 140
Elevation: 630' GL Permit #: Permit Date:

Latitude: 41.528124 Longitude: -87.597023

Logs Run: Driller's Log

Formations: 259SLRN 56 - Silurian Cook County Study.

120312926000 Thackston, Richard 2 33-36N-14E
Cook Stinnett, James R. SW SW SW

Well Status: WATER - Water Well
Comdate: 12/06/1975 Plugdate: TD: 150
Elevation: 624' GL Permit #: 43222 Permit Date: 11/20/1975

Latitude: 41.558301 Longitude: -87.635027

Owner Address: 601 Ridge Road Thornton IL

Well Type: COMM - Water Well for Commercial Operation

Water Bearing Formation: limestone 22 to 150 ft

Static Water Level: 7 ft. below casing top of 1 ft. Hole Diam.: 5 in.

Pumping Level: 35 ft. when pumping at 35 gpm for 3 hours.

Casing and Liner Pipe: Diam. (in.) Kind and Weight From(ft) To(ft)
5 GALV STEEL I5# 0 59

Size hole below casing: 4.75 in.

Formations: 259SLRN 57 - Silurian Cook County Study.

Driller's Log: 0 - 3 black dirt top soil
3 - 22 sandy heavy w/water

April 1, 2014

Questor Data Extraction

11816

22 - 57 sndy grvl & brkn ls
57 - 59 rock
59 - 150 no record

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1904 377265



TOWN Homewood TOWNSHIP

Map No. 28

COMPANY R. Hemingway No.

R. 14E

FARM Burdett No.

T
35N

Sec. 8

AUTHORITY R. Hemingway

ELEVATION
COLLECTOR S.E. Ekblaw DATE DRILLED
CONFIDENTIAL

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
Co # 1816				104	
	Depth Cased to 36' 4-1/2" black casing Static level 18'				
	NO ENVELOPE				

ORIGINAL FIELD

County Cook Index No. 2808

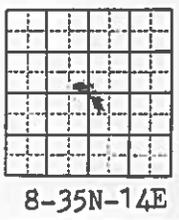
DRILL RECORD
67727-5M-11-31) 7 Illinois Geological Survey, Urbana. 8-35N-14E

ILLINOIS GEOLOGICAL SURVEY, URBANA

Page 1

Permit #191	Thickness	Top	Bottom
Clay	8	0	8
Mud	11	8	19
Lime	35	19	54
Gray lime	9	54	63
Lime	380	63	443
Shale	56	443	499
Shale and lime	11	499	510
Lime	10	510	520
Lime and shale	27	520	547
Shale	113	547	660
Lime	323	660	983
Sandstone	182	983	1165
Lime	33	1165	1198
Lime, gray	8	1198	1206
Lime	21	1206	1227
Lime and sand	16	1227	1243
Lime	193	1243	1436
Lime and green shale	29	1436	1465
Sand, lime and shale	11	1465	1476
Lime and shale	21	1476	1497
Lime, sand and green shale	12	1497	1509
Lime, sand and shale	28	1509	1537
Lime	15	1537	1552
Sand and shale	12	1552	1564
Sand	203	1564	1767
Lime and shale	10	1767	1777
			TD
S.S. #52354			
Size of Well: 30" - 0-54'			
23 1/4" to 667' 19" to 1165' 16"			
to 1777'			
Casing: 30" 0-47' . 20" 0-664' cemented.			

COMPANY Wehling Well Works
 ARM City of Chicago Heights No. 32
 DATE DRILLED November 1965 COUNTY NO. 376
 AUTHORITY Wehling Well Works, Inc.
 LOCATION 2690' S line, 2285' W line of SW SW
 COUNTY COOK



Town Chicago Heights Township Bloom

Map No. 28

Company H. McCaskey

No.

R. 14E

Farm Davis, Mary E.

No.

T.

Sec.

Authority H. McCaskey

35

			X

8

Elevation

N

Collector

Confidential

Date Drilled Jan. 1940

Co #	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
1817	Lot 3, Block 4, Holbrook Subd. 1st Add to Chicago Heights				
	Soil and yellow clay	12		12	
	Clay, blue	11		23	
	Quicksand	4		27	
	Gravel	3		30	
	Limerock	36		66	

NO ENVELOPE

ORIGINAL FILED

COUNTY Cook

INDEX NO. 2808

DRILL RECORD

8-35N-14E

(A32187-20M)

ILLINOIS GEOLOGICAL SURVEY, URBANA

(10-40) 2

Town Chicago Heights Township Bloom

Map No. 28

Company H. McCaskey

No.

R. 14E

Farm Eytcheson, George E.

No. 1

T.
35N

Sec.

8

Authority H. McCaskey

Elevation 631 top. map

Collector

Confidential Date Drilled 1940

350' S. line, 200' E. line

No.	Co. #	Strata	Thickness		Depth	
			Feet	In.	Feet	In.
	1818	N. 100' of S. 385' of Lots 14 and 15, Fox, Hood, and McClure's Subd.				
		Soil and yellow clay	9		9	
		Clay, blue	11		20	
		Quicksand	8		28	
		Gravel mixed blue clay	3		31	
		Limerock	30		61	

NO ENVELOPE

u
630

ORIGINAL FILED

COUNTY Cook

INDEX NO. 2808

DRILL RECORD

8-35N-14E

(A32187-20M)

ILLINOIS GEOLOGICAL SURVEY, URBANA

(10-40)



Town Chicago Heights Township Bloom

Map No. 28

Company H. McCaskey

No.

R. 14E

Farm Geimer, Raymond

No.

T.

Sec.

Authority H. McCaskey

35

			X

8

Elevation

N

Collector

SE

Confidential

Date Drilled Dec. 1940

NE

No.	Co# 1819	Strata	Thickness		Depth	
			Feet	In.	Feet	In.
		Lot 5, Block 3, Holbrook Sub.				
		Clay	18		18	
		Gravel and sand	12		30	
		Limerock	30		62	
		Well finished				
		NO ENVELOPE				

COUNTY Cook
DRILL RECORD

INDEX NO. 2808

8-35N-14E

(A32187-20M)

ILLINOIS GEOLOGICAL SURVEY, URBANA

(10-40)  2

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property owner Hirsch, Steve Well No. _____
 Address 1218 Halsted Street Chicago Hts. IL
 Well address 922 W. 193rd Place Chicago Heights, IL
 Lot _____ Subd _____ ISWS P# 318433
 Driller Fykes, Charles N. License No. 102-0239
 Permit No. 031-00190-99 Date 12/01/1999
 Water from Limestone County Cook
 at depth _____ to _____ ft. Sec. 8
 Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____

Casing and Liner Pipe NW NE NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	A53 STEEL	0	
	DEEPENED WELL	0	

Size hole below casing: _____ in.
 Static level 40 ft. below casing top which is 1 ft.
 above ground level. Pumping level 280 ft. when pumping at 8
 gpm for _____ hours.

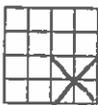
Formations passed through	Thickness	Bottom
depth of existing well	85	85
gray limestone	80	165
brown limestone	200	365

Household - Private

Cook 12-031-33088-00 8-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Johns, Fred Well No. #1
 Address 915 194th St. Holbrook IL
 Driller Stinnett, James R. License No. 102-1062
 11. Permit No. 51177 Date 08/20/76
 12. Water from limestone 13. County Cook
 at depth _____ to _____ ft.
 14. Screen: Diam. _____ in. Sec. 8
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe SE

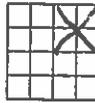
Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	GALVANIZED STEEL 15#	0	48

16. Size hole below casing: 4.75 in.
 17. Static level 28 ft. below casing top which is 1 ft. above ground level. Pumping level 175 ft. when pumping at 5 gpm for 2 hours.

18. Formations passed through	Thickness	Bottom
top soil-sod	1	1
clay & hardpan	45	46
silt & clay w/rocks	2	48
bedrock	0	48

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Klein, Harold Well No. _____
 Address 930 West 194th St. Chicago Heights IL
 Driller Holleman, Herbert Jr. License No. 102-0775
 11. Permit No. 90145 Date 10/09/79
 12. Water from Limestone 13. County Cook
 at depth 45 to 100 ft. Sec. 8
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	STD STL.GALV 15# FT	0	45

16. Size hole below casing: 5 in.
 17. Static level 8 ft. below casing top which is 1 ft. above ground level. Pumping level 10 ft. when pumping at 15 gpm for 1 hours.

18. Formations passed through	Thickness	Bottom
soil	2	2
yellow clay	19	21
blue clay	20	41
gravel	4	45
limestone	55	100

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property owner Leckrone, Amy Well No. 3008

Address 918 W. 193rd Place Chicago Hts. IL

Well address same as above

Lot _____ Subd _____ ISWS P# 374759

Driller Sharpe, Franklin N. License No. 102-1773

Permit No. 031-00151-05 Date 10/25/2005

Water from limestone County Cook

at depth 40 to 260 ft. Sec. 8

Screen: Diam. _____ in. Twp. 35 N

Length: _____ ft. Slot _____ Rge. 14 E

Elev. _____



Casing and Liner Pipe NW NE NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	STEEL	-1	40

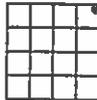
Size hole below casing: _____ in.
 Static level 20 ft. below casing top which is 1 ft.
 above ground level. Pumping level 20 ft. when pumping at 12
 gpm for 2 hours.

Formations passed through	Thickness	Bottom
clay	10	10
sand	5	15
gravel	8	23
limestone	237	260

Private Water Well
 Cook 12-031-34712-00 8-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Spot-Not Car Wash Well No. _____
 Address 1313 W. 175th Street Homewood IL
 Driller Fykes, Charles N. License No. 102-0239
 11. Permit No. 031-00209-94 Date 10/13/94
 12. Water from Limestone 13. County Cook
 at depth 40 to 505 ft. Sec. 8
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe NE NE NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	A53 15#	0	40

16. Size hole below casing: 5 in.
 17. Static level 140 ft. below casing top which is 1 ft. above ground level. Pumping level 190 ft. when pumping at _____ gpm for 1 hours.

18. Formations passed through	Thickness	Bottom
brown clay	20	20
gray limestone	145	165
brown limestone	35	200
gray limestone	165	365
brown limestone	65	430
gray limestone	75	505

Non Potable

Cook 12-031-31692-00 08-35N-14E

REQUESTED AND MAIL ORIGINAL TO STATE
 SUMMER HEALTH PROTECTION, 535 WEST
 1. DO NOT DETACH GEOLOGICAL/WATER
 PROPER LOCATION

GEOLOGICAL AND WATER SURVEYS WELL RECORD

November 7, 1977

10. Property owner Norman Stelter Well No. _____
 Address 932 W. 194th St. Chicago Heights, IL
 Driller W. E. Wehling License No. 102-2
 11. Permit No. 68136 Date Oct. 11, 1977
 12. Water from _____ 13. County Cook

Formation
 at depth _____ to _____ ft. Sec. 8
 14. Screen: Diam. _____ in. Twp. 35N
 Length: _____ ft. Slot _____ Rge. 14E
 NW of SE of NE of above Elev. _____
 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galv. seamless	+1	40
	cemented in		

SHOW
 LOCATION IN
 SECTION PLAT
 NW SE NE
 (permit)

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

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Black Dirt	1	1
Clay	21	22
Lime	79	101

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED W. E. Wehling DATE 11/17/77
J. W.

COOK ⁴¹ 630

COUNTY No. 25747

8-35N-14E

Town Chicago Heights Township Bloom

Map No. 28

Company H. McCaskey

No.

R. 14E

Farm Tabner, Sam

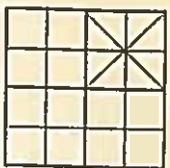
No.

T. 35

Sec. 8

Authority H. McCaskey

N



Elevation

Collector

Confidential

Date Drilled Jan. 1940

No.	Co # 1820 Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	877 W. 193rd Place, Holbrook Subd.				
	Soil and yellow clay	13		13	
	Clay, blue	7		20	
	Quicksand	5		25	
	Gravel	2		27	
	Limerock	29		56	

NO ENVELOPE

ORIGINAL FILED

COUNTY Cook

INDEX NO. 2808

DRILL RECORD

8-35N-14E

(A32187-20M)

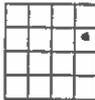
ILLINOIS GEOLOGICAL SURVEY, URBANA

(10-40)



GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Whitfield, James Well No. _____
 Address R.R.#2 Box #6 Chicago Heights IL
 Driller Wehling, Wendell E. License No. 102-0023
 11. Permit No. 91250 Date 11/07/79
 12. Water from _____ 13. County Cook
 at depth _____ to _____ ft. Sec. 8
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe 100' S 90' W NEc NW SE NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	GALVANIZED SEAMLESS	-1	40

16. Size hole below casing: 4.87 in.
 17. Static level 18 ft. below casing top which is 0 ft.
 above ground level. Pumping level 18 ft. when pumping at _____
 gpm for _____ hours.

18. Formations passed through	Thickness	Bottom
surface	5	5
clay	25	30
lime	270	300

Cook ^{U 630} 12-031-27787-00 08-35N-14E

LOG OF WATER WELL

Property owner John Willmer Well No. 76

Drilled by H. Hallemann Year 1968

Formations passed through	Thick-ness	Depth of Bottom
<u>Soil</u>	<u>1</u>	<u>1</u>
<u>Yellow Clay</u>	<u>15</u>	<u>16</u>
<u>Blue Clay</u>	<u>7</u>	<u>23</u>
<u>Gravel</u>	<u>1</u>	<u>24</u>
<u>Limestone</u>	<u>85</u>	<u>109</u>

COUNTY No. 699

Permit # 4057

Received 11-27-68

Finished in limestone at 24 to 109 ft.

Cased with 5 inch galv casing from 0 to 24 ft.
and _____ inch _____ from _____ to _____ ft.

Size hole below casing 5 inch. Static level from surf. 15 ft.

Tested capacity 10 gal. per min. Temperature _____ °F.

Water lowered to 16 ft. in. in 1 hrs. min.

Length of test 1 hrs. min. Screen _____

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

[Show location in Section Plat]

Township name _____ Elev. _____
Lot 7, Block 5 in Holbrook's 1st Addn. Sec. 8

Description of location to Chgo Hghts, a subdivision of the SE/4, NE/4 (permit) Twp. 35N

Rge. 14E

Signed H. Hallemann County Cook

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property owner Hillmer, John Well No. _____
 Address 933 W. 194th Place Chicago Hts IL
 Well address same as above
 Lot 4 Subd Holbrook 1st Addn. ISWS P# 318436
 Driller Sharpe, Franklin N. License No. 102-1773
 Permit No. 031-00195-99 Date 12/14/1999
 Water from Limestone County Cook
 at depth 41 to 280 ft. Sec. 8
 Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____

Casing and Liner Pipe

SW SE NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	ASTM A53B STEEL	-1	41

Size hole below casing: _____ in.
 Static level 40 ft. below casing top which is 1 ft.
 above ground level. Pumping level 80 ft. when pumping at 12
 gpm for 2 hours.

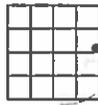
Formations passed through	Thickness	Bottom
clay	18	18
broken rock	5	23
limestone	257	280

Household - Private

Cook 12-031-33089-00 8-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Zagroski, John Well No. _____
 Address 925 193rd Place Chicago Heights IL
 Driller Holleman, Herbert License No. 092-0401
 11. Permit No. 98548 Date 02/25/81
 12. Water from Limestone 13. County Cook
 at depth 47 to 120 ft. Sec. 8
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe SE NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	STD STL.GALV 15# FT	0	47

16. Size hole below casing: 5 in.
 17. Static level 22 ft. below casing top which is 1 ft.
 above ground level. Pumping level 22 ft. when pumping at 15
 gpm for 1 hours.

18. Formations passed through	Thickness	Bottom
soil	1	1
yellow clay	11	12
sand	21	33
blue clay	12	45
gravel	2	47
limestone	73	120

Cook ^{ll} ₆₃₀ 12-031-27788-00 08-35N-14E

DESTROYED AND MAIL ORIGINAL TO STATE DEPT.
 STATE OFFICE BUILDING, SPRINGFIELD,
 ILL. / WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD
 Completed 5-3-72

10. Property owner Achille Coccia Well No. 1
 Address 196th Street, Chicago Heights, Illinois
 Driller Wehling Well Works License No. 92-56
 11. Permit No. 17392 Date 4-29-72
 12. Water from _____ 13. County Cook

Formation
 at depth _____ to _____ ft. Sec. 9
 14. Screen: Diam. _____ in. Twp. 35N
 Length: _____ ft. Slot _____ Rge. 14E
600' N 550' E SW SW NW SW Elev. _____

15. Casing and Liner Pipe (permit)

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galv. seamless	0	32
	cemented in place		

SHOW LOCATION IN SECTION PLAT

16. Size Hole below casing: 5 in.
 17. Static level 7 ft. below casing top which is _____ ft. above ground level. Pumping level 9 ft. when pumping at 20 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Black dirt	2	2
Clay	22	24
Gravel	6	30
Lime	71	101

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 5-10-72

COUNTY No. 4165

✓
620
OOK

9-35N-14E

STATE OFFICE BUILDING, SPRINGFIELD,
AL / WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 2-25-74

10. Property owner Roger Engelman Well No. _____
 Address 750 Walbrook Rd Glenwood Ill.
 Driller K&B Well Drilling License No. 102-29
 11. Permit No. 27717 Date Feb 20, 1974
 12. Water from Limestone Formation 13. County Cook
 at depth 35 to 170 ft. Sec. 9
 14. Screen: Diam. _____ in. Twp. 35N
 Length: _____ ft. Slot _____ Rge. 14E
 Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Black 15lbs.	0	41

SHOW
LOCATION IN
SECTION PLAT
SE NW NW
(permit)

16. Size Hole below casing: 5 in.
 17. Static level 35 ft. below casing top which is 2 ft.
 above ground level. Pumping level 63 ft. when pumping at 20
 gpm for 4 hours. Submersible pump set at 63'.

18. FORMATIONS PASSED THROUGH	THICKNESS TOP	DEPTH OF BOTTOM
<u>Overburden</u>	<u>0</u>	<u>41</u>
<u>Rock Formation</u>	<u>41</u>	<u>170</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Krierim DATE 2/26/74

COUNTY No. 24674

COOK

9-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Galderio, Michael Well No. _____
 Address 90 N. St. Park forest IL
 Driller Wehling, Richard H. License No. 102-2235
 11. Permit No. 031-00068-91 Date 05/09/91
 12. Water from Limestone 13. County Cook
 at depth 38 to 220 ft.
 14. Screen: Diam. _____ in. Sec. 9
 Length: _____ ft. Slot _____ Rge. 35 N
 Elev. _____ Rge. 14 E



15. Casing and Liner Pipe SE SE SE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	GALVANIZED	-2	33

16. Size hole below casing: 5 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	Bottom
clay & gravel	21	21
sand & gravel	12	33
lime	187	220

Household - Private

Cook 12-031-30299-00 09-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property owner Johnson, Mrs. Well No. _____
 Address 445 E. 168th Place South Holland IL
 Well address 19505 S. Halsted Chicago Heights, IL
 Lot _____ Subd _____ ISWS P# 339648
 Driller Walters, Larry License No. 102-3894
 Permit No. 031-00089-01 Date 07/25/2001
 Water from rock County Cook
 at depth 42 to 400 ft. Sec. 9
 Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



Casing and Liner Pipe NW NW SW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	BLACK STEEL	-1	42

Size hole below casing: _____ in.
 Static level 30 ft. below casing top which is 1 ft.
 above ground level. Pumping level 378 ft. when pumping at 8
 gpm for 4 hours.

Formations passed through	Thickness	Bottom
topsoil	2	2
clay	6	8
sand gravel	18	26
rock	374	400

Household - Private

Cook 12-031-33665-00 9-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Jones, Charles Well No. _____
 Address 404 Coale Rd. Chicago Heights IL
 Driller Sharpe, Franklin N. License No. 102-1773
 11. Permit No. 116359 Date 01/11/85
 12. Water from limestone 13. County Cook
 at depth 40 to 150 ft. Sec. 9
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe 207' N 80' E SWc NE NW SW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	ASTM A53 B	0	40

16. Size hole below casing: 4.75 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	Bottom
clay	18	18
sand	8	26
broken rock	4	30
limestone	120	150

630
 Cook 12-031-26830-00 09-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Knaack, Fredrick Well No. _____
 Address R.R.#2 Box #154 Chicago Heights IL

Driller Wehling, Wendell E. License No. 102-0023

11. Permit No. 118851 Date 07/08/85

12. Water from _____ 13. County Cook
 at depth _____ to _____ ft.

14. Screen: Diam. _____ in. Sec. 9
 Length: _____ ft. Slot _____ Twp. 35 N
 Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe 110' N 200' E SWc

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	GALVANIZED	0	37

16. Size hole below casing: 4.87 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	Bottom
clay	37	37
lime	223	260

*U
630*
 Cook 12-031-27073-00 09-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property owner Link, James Well No. _____
 Address 921 W. 193rd Place Chicago Hts. IL
 Well address 19507 Halsted St. Chicago Heights, IL
 Lot 9 Subd Glen View ISWS P# 345090
 Driller Sharpe, Franklin N. License No. 102-1773
 Permit No. 031-00024-02 Date 02/13/2002
 Water from limestone County Cook
 at depth 41 to 400 ft. Sec. 9
 Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____

Casing and Liner Pipe NW NW SW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	STEEL ASTM A53B	-1	41

Size hole below casing: _____ in.
 Static level 20 ft. below casing top which is 1 ft. above ground level. Pumping level 250 ft. when pumping at 2 gpm for 2 hours.

Formations passed through	Thickness	Bottom
clay	16	16
sand/gravel	10	26
limestone	374	400

Household - Private

Cook 12-031-34006-00 9-35N-14E



Strata	Thickness	Top	Bottom
Top soil		0	5
Clay, yellow		5	15
Clay, blue		15	20
Mud and gravel		20	30
Sand and gravel		30	35
Grey lime, hard		35	55
Grey lime, soft		55	65
Grey lime hard		65	80
Lime grey		80	105
Grey lime, soft		105	145
Grey lime, hard		145	190
Lime, light grey, soft		190	195
Lime, light grey hard		195	220
			ID

Size of well: 12", surface to 220'

Casing: 12" ID, 0' to 38'

Main supply at 150-220'

Static level: 10'

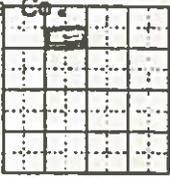
Draw-down: 38'

Yield: 350 gallons per minute.

S. S. #34315

*Future Eastern Division Headquarters,
Glenwood, Illinois.

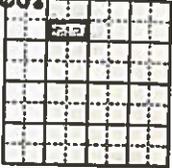
COMPANY (Wehling Well Works) Northern Ill. Gas Co.
 FARM * Northern Ill. Gas Co. NO. 1
 DATE DRILLED July 1959 COUNTY NO. 280
 AUTHORITY Wehling Well Works
 ELEVATION 630' E.T.M.
 LOCATION S/2 NE NW
 COUNTY COCK



9-35N-14E

Strata	Thickness	Top	Bottom
Summary Study of S.S.#34315 by G. H. Emrich 8/59			
Pleistocene series			
Soil, sandy, black	5		5
Till, yellowish-buff, oxidized, calcareous	10		15
Till, silty, little gravel, grayish-buff, calcareous	15		30
Till, gravelly, slightly sandy, grayish-buff, calcareous	10		40
MESOZOIC SYSTEM			
Triassic			
Waukesha formation			
Dolomite, silty, gray, very fine, crystalline	35		75
Dolomite, silty, light greenish-gray, very fine, crystalline	10		85
Dolomite, silty to very silty, gray to greenish-gray, very fine, crystalline	40		125
Dolomite, silty, light greenish-gray to greenish-gray, very fine, crystalline; little shale, white, weak	10		135
Dolomite, partly silty, light greenish-gray to light buff, very fine, crystalline	10		145
Dolomite, silty, gray to greenish-gray, very fine, crystalline	25		170
Dolomite, slightly silty to silty, light buffish-gray to gray, very fine, crystalline	25		195

COMPANY (Wehling Well Works) Northern Ill. Gas Co.
 NAME Northern Illinois Gas Co. NO. 1
 DATE DRILLED July, 1959 COUNTY NO. 280
 AUTHORITY G. H. Emrich
 ELEVATION 630' E.T.M.
 LOCATION S/2 NE NW
 COUNTY COOK S. S.#34315 9-35N-14E



Strata	Thickness	Top	Bottom
Joliet formation Dolomite, partly silty at top, light buff to light gray, very fine, crystalline	20		220 TD

Wohling Well Works) Northern Ill. Gas Co. No. Ill. Gas Co. #1
COUNTY COOK S.S.#34315 9-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Schavocky, John Well No. _____
 Address 771 Coale Rd. Chicago Heights IL
 Driller Sharpe, Franklin N. License No. 102-1773
 11. Permit No. 031-00029-96 Date 03/06/96
 12. Water from limestone 13. County Cook
 at depth 41 to 400 ft. Sec. 9
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____

15. Casing and Liner Pipe SE NW SW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	ASTM A53B STEEL	-1	41

16. Size hole below casing: 5 in.
 17. Static level 15 ft. below casing top which is 0 ft.
 above ground level. Pumping level 200 ft. when pumping at 8
 gpm for 2 hours.

18. Formations passed through	Thickness	Bottom
clay	18	18
sand & gravel	9	27
limestone	373	400

Household - Private

Cook 12-031-31890-00 09-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Selvaggio, Randy Well No. _____
 Address R. R. #2 Box 102 Chicago Heights IL
 Driller Sharpe, Franklin N. License No. 102-1773
 11. Permit No. 122099 Date 01/27/86
 12. Water from Limestone 13. County Cook
 at depth 40 to 240 ft. Sec. 9
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____

15. Casing and Liner Pipe NW SW SW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	ASTM A53B	0	41

16. Size hole below casing: 4.75 in.
 17. Static level _____ ft. below casing top which is _____ ft. above ground level. Pumping level _____ ft. when pumping at _____ 8 gpm for _____ hours.

18. Formations passed through	Thickness	Bottom
clay	15	15
sand	15	30
gravel	10	40
limestone	300	340

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D30

(23710-50M-9-60)

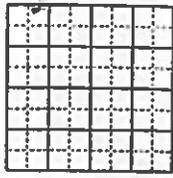


ILLINOIS GEOLOGICAL SURVEY, URBANA

Strata	Thickness	Top	Bottom
<p>Samples from 0-355'</p> <p>S.S. # 44767</p> <p>Received October 1, 1963</p>			

COMPANY Wehling Well Works
 FARM Skyline Pool Assoc.

NO. 1
 COUNTY NO. 32850



AUTHORITY
 ELEVATION
 LOCATION 60' N Line, 700' W Line of NW
 COUNTY COOK

9-35N-14E

Town **Chicago Heights** Township
 Company **H. McCaskey**
 Farm **Webb, Harry**
 Authority **H. McCaskey**
 Elevation
 Collector
 Confidential

Bloom
 No.
 No. T. **35N**
 Map No. **28**
 R. **14E**
 Sec. **9**

Date Drilled **July 1941**

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
C^o # 1821	Lot 12, Glenview Subd.				
	Soil and yellow clay	10		10	
	Clay, soft, blue	9		19	
	Clay, hard, blue mixed with gravel	5		24	
	Quicksand	4		28	
	Gravel	3		31	
	Hardpan, yellow	1		32	
	Limerock	38		70	

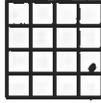
NO ENVELOPE

~~ORIGINAL FILED~~

COUNTY **Cook** INDEX NO. **2808**
 DRILL RECORD **9-35N-14E**
 (A32187-20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (10-40) 2

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property Owner Catholic Cemeteries **Well # 2**
Address 1400 S. Wolf Rd. Hillside, IL
Well Address 19500 Cottage Grove Ave. Glenwood, IL
Subd **Lot** **ISWS #** 463666
Driller Wehling, Richard W. **License #** 102-3589
Permit # 031-016-11 **Date** 08/29/2011
Water From rock **Sec.** 10
At Depth 270' **To** **Twp.** 35N
Screen: Diam. **Rng.** 14E
Length **Slot** **Elev.**



SE NE SE

Casing and Liner Pipe PMT Verifd

Diameter	Kind & Weight	From	To
6"	GALV. STEEL	-2'	45'

Static level ' below casing top which is ' above ground level.

Pumping level ' when pumping at gpm for hours.

Sample Set # 70129 (0' - 270')

Formations Passed Through	Top	Bottom
black dirt	0'	2'
clay	2'	45'
rock	45'	270'
shale at	270'	270'

Water Well for Commercial Operation **Total Depth** 270'
Cook 12-031-36018-00 10 - 35N - 14E

STATE OFFICE BUILDING, SPRINGFIELD,
IL / WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Thomas Crawford Completed 11-5-71
10. Property owner Rev. T. Crawford Well No. 1
Address Box 333, Glenwood, Ill. 60425
Driller Wehling Well Works, Inc. License No. 92-56
11. Permit No. 15194 Date Oct. 29, 1971
12. Water from _____ 13. County Cook

Formation _____
at depth _____ to _____ ft. Sec. 10
14. Screen: Diam. _____ in. Twp. 35N
Length: _____ ft. Slot _____ Rge. 14E
50'S 350'E NWc SW NW NE Elev. _____



15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"		0	52

SHOW LOCATION IN SECTION PLAT
50' NL, 350' WL,
SW NW NE
(Permit)

16. Size Hole below casing: 1-7/8" in.
17. Static level 21 ft. below casing top which is _____ ft. above ground level. Pumping level 28 ft. when pumping at 15 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	36	36
Lime	99	135

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 10-10-71
COUNTY No. 1473...

COOK 10-35N-14E

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom
Clay	33		33
Mud & gravel	11		44
Lime	429		473
Shale	207		680
Lime	332		1012
Sand	121		1133
Shale	10		1143
Lime	373		1516
Lime & shale	91		1607
Lime	23		1630
Sand	139		1769
Lime	6		1775
Lime & sand	7		1782
Lime	3		1785
			TD

Casing: 20" 0'-56½' 16" 0'-690' cemented in
12" 1094'-1153'

Hole size: 20" 56½' 19" 694'
15" 1153' 12" 1785'

Static level: 450'
Pumping level: 620' when pumping at 580 gpm
for 24 hrs. Drawdown - 170'

S.S. #56581

COMPANY Wehling Well Works, Inc.
 FIRM Village of Glenwood NO. 5
 DATE DRILLED 1969 COUNTY NO. 958
 AUTHORITY Company
 ELEVATION 627' ± TM
 LOCATION 943'N line, 405'E line, NE
 COUNTY COOK

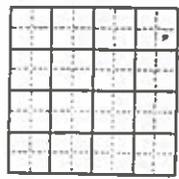
10-35N-14E

ILLINOIS GEOLOGICAL SURVEY, URBANA

Page 1

	Thickness	Top	Bottom
<p>Sample Study by Anne M. Graese The Maquoketa Group only Studied in Detail 10-17-80</p> <p>ILURIAN SYSTEM</p> <p>Dolomite - yellowish gray (5Y 8/1) to light olive gray (5Y 6/1), very fine to fine grained, calcareous, pure; trace chert - very light gray (N8)</p> <p>Dolomite - light olive gray (5Y 6/1), mottled with olive gray (5Y 4/1) and dark gray (N3), very fine to fine grained, calcareous, pyritic, argillaceous</p> <p>Dolomite (90%) - light olive gray (5Y 6/1) to medium dark gray (N4), some mottled and speckled with dark gray (N3), argillaceous; shale (10%) - light olive gray (5Y 6/1), weak</p> <p>Brainard Shale</p> <p>Shale (60%) - light olive gray (5Y 6/1) to olive gray (5Y 4/1), weak, silty, some calcareous; dolomite (40%) - dark greenish gray (5GY 4/1) to dark gray (N3), silty, calcareous</p>			
		455	460
		460	465
		465	470
		470	480

COMPANY Wehling Well Works, Inc.
 RM Village of Glenwood NO. 5
 DATE DRILLED 1969 COUNTY NO. 958
 AUTHORITY A.M. Graese
 ELEVATION 627' ± TM
 LOCATION 943' N line, 405' E line, NE
 COUNTY COOK S.S. #56581



10-35N-14E

	Thickness	Top	Bottom
Shale (60%) - light greenish gray (5GY 8/1) to greenish gray (5GY 6/1), silty calcareous; dolomite (40%) - same as above		480	485
Shale (80%) - greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1), silty, weak; dolomite (20%) - same as above		485	490
Shale (60%) - greenish gray (5GY 6/1) to dark greenish gray, silty, weak; dolomite (20%) - same as above		490	495
Dolomite (60%) - same as above; shale (40%) - same as above, some light greenish gray, silty		495	500
Dolomite (90%) - same as above; shale (10%) - same as above		500	505
Dolomite (80%) - same as above; shale (20%) - light olive gray (5Y 6/1) to greenish gray (5GY 6/1), silty		505	510
Dolomite (80%) - same as above; shale (20%) - same as above		510	525
Fort Atkinson Limestone Dolomite - yellowish gray (5Y 8/1) to light olive gray (5Y 6/1), mottled and speckled with medium dark gray (N4) to dark gray (N3), coarse grained, calcareous, some pyritic, fossiliferous (crinoids); trace shale - same as above, slightly calcareous		525	530

Wehling Well Works, Inc. Village of Glenwood #5
 COUNTY COOK S.S. #56581 10-35N-14E

	Thickness	Top	Bottom
Dolomite (95%) - same as above; shale (5%) - same as above; trace greenish gray (5GY 6/1) dolomite- probably caved		530	535
Shale (60%) - light olive gray (5Y 6/1), silty; dolomite (40%) - same as above		535	540
Dolomite (80%) - same; shale (20%)- same		540	545
Dolomite (60%) - light olive gray (5Y 6/1) to olive gray (5Y 4/1) to medium gray (N5) mottled with dark gray, slightly argillaceous to argillaceous, pyritic, fossiliferous (bryozoans, crinoids); shale (40%)- yellowish gray (5Y 8/1) to light olive gray (5Y 6/1), silty		545	550
Dolomite - yellowish gray (5Y 8/1) mottled with light olive gray (5Y 6/1), olive gray (5Y 4/1) and dark gray (N3), pyritic, fossil- iferous (bryozoans, brachiopods) calcareous		550	560
Dolomite (90%) - olive gray (5Y 4/1) mottled with olive gray (5Y 4/1), some pyritic, fine grained, cal- careous; shale (10%) - olive gray (5Y 4/1) and light olive gray (5Y 4/1), silty		560	565
Dolomite (95%) - same as above; shale (5%) - same as above		565	570

Wehling Well Works, Inc.

Village of Glenwood #5

COUNTY COOK

S.S. #56581

10-35N-14E

	Thickness	Top	Bottom
Dolomite (90%) - same as above; shale (10%) - light olive gray (5Y 6/1) to olive gray (5Y 4/1), silty		570	575
Dolomite (80%) - same as above; shale (20%) - same as above		575	580
Scales Shale			
Shale (80%) - light olive gray (5Y 6/1) to olive gray (5Y 4/1), silty, weak; dolomite (20%) - same as above		580	585
Shale - light olive gray (5Y 6/1) to olive gray (5Y 4/1), weak to mod- erate hard, silty		585	590
Shale (80%) - same as above; trace greenish gray (5GY 6/1); dolomite (20%), similar to above, may be caved		590	610
Shale (95%) - same as above; dolomite (5%) - same as above		610	615
Dolomite (70%) olive gray (5Y 4/1), very fine to fine grained, very argillaceous; shale (30%) - light olive gray (5Y 6/1) to olive gray (5Y 4/1), weak		615	620
Shale - olive gray (5Y 4/1), weak to moderately hard; trace dolomite- same as above		620	630
Shale (60%) - same as above; dolo- mite (40%) - olive gray (5Y 4/1),			

Wehling Well Works, Inc.

Village of Glenwood #5

COUNTY COOK

S.S. #56581

10-35N-14E



	Thickness	Top	Bottom
very argillaceous, very fine to fine grained		630	635
Shale - same as above; trace dolomite - same as above		635	655
Shale - light olive gray (5Y 6/1), olive gray (5Y 4/1) to olive black (5Y 2/1), weak to tough; trace sandstone - olive gray, fine grained, argillaceous (caved?); trace dolomite - greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1), very fine grained, silty (caved?)		655	660
Shale - light olive gray (5Y 6/1) to greenish gray (5GY 6/1), silty, weak		660	665
Shale - light olive gray (5Y 6/1) to greenish gray (5GY 6/1), weak; trace dolomite - greenish gray (5GY 6/1)		665	680
Shale - olive gray (5Y 4/1) to olive black (5Y 2/1)		680	683
Galena Group			
Dolomite - pale yellowish brown to dark yellowish brown (10YR 4/2) medium grained, relatively pure to slightly argillaceous, pyritic		683	695

Wehling Well Works, Inc.

Village of Glenwood #5

COUNTY

COOK

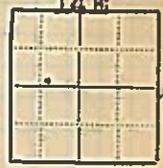
S.S. #56581

10-35N-14E



TOWN **Glenwood** TOWNSHIP
 COMPANY **Gray Well Drilling Co.**
 FARM **Glenwoodie Country Club** No. 1
 AUTHORITY **E.H. Smith driller** No. 1
 ELEVATION **629 T.M.**
 COLLECTOR _____ DATE DRILLED _____
 CONFIDENTIAL

Map No. **28**
 R. **14E**
 T. **35** S. **10**
 N



2600' N. line, 1550' W. line

No.	Co# 1822 STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
1	Drift - clay, gray	5		5	
2	Same	5		10	
3	Same	5		15	
4	Clay, gray, dolomitic	5		20	
5	Devonian - dolomite, gray and brown, very pyritic mixed with much sand	5		25	
6	Dolomite, gray to light gray, some brown	5		30	
7	Shale, blue, hard, with dolomite like above and sand	5		35	
8	Same	5		40	
9	Dolomite, dark gray to light gray; white chert	5		45	
0	Same	5		50	
1	Dolomite, dark gray and some brown	5		55	
2	Same with considerable sand	5		60	
3	Dolomite, dark slate-gray	5		65	
4	Same	5		70	
5	Same	5		75	
6	Same	5		80	
7	Unlabeled. Same, lighter gray	5		85	
8	Dolomite, light gray	5		90	
9	Dolomite, gray and light gray	5		95	

County **Cook** Index No. **2810**
10-35N-14E
 DRILL RECORD
 (67729-3M-5-27)



SHEET 2 T. 35 R. 14E S. 10
 COMPANY Gray Well Drilling Co HOLE NO. 1

No.	STRATA	Thickness		Depth
		Feet	In.	Feet
20	Same as above	5		100
1	Dolomite, slate-gray	5		105
22	Same	5		110
23	Same	5		115
24	Dolomite, light gray, some darker spots	5		120
25	Dolomite, slate-gray	5		125
26	Same	5		130
27	Same with some lighter gray	5		135
28	Same as above	5		140
29	Same	5		145
30	Dolomite, slate-gray	5		150
31	Same	5		155
32	Label detached - dolomite, light and dark gray	5		160
33	Marked 150-155. Dolomite, very light gray	5		165
34	Dolomite, gray and slate-gray	5		170
35	Dolomite, slate gray	5		175
36	Same	5		180
37	Dolomite, light gray and darker slaty gray	5		185
38	Niagara - dolomite, light gray, much pyrite	5		190
39	Dolomite, light and dark gray	5		195
40	Same, some pyrite	5		200
41	Missing, see No. 17	5		205
42	Dolomite, light gray and dark gray	5		210
43	Dolomite, gray, small bright green spots	5		215

Cook

County T.—DRILL RECORD

Index No. 28/0

10-35N-14E



SHEET 3 T. 35 R. 14E S. 10
 COMPANY Gray Well Drilling Co. HOLE NO. 1

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
44	Dolomite, light gray and gray	5		220	
45	Dolomite, light gray, bright green spots	5		225	
46	Dolomite, light gray and gray	5		230	
47	Dolomite, light gray	5		235	
48	Dolomite, slate-gray, and gray	5		240	
49	Dolomite, light gray.	5		245	
49A	Marked: last run (?)				
	Dolomite, slate-gray	5		245	
50	Dolomite, light gray	5		250	
51	Same	5		255	
52	Same	5		260	
53	Same	5		265	
54	Same	4		269	

- F. T. Thwaites

Hole size: December 2, 1926.

0-47'6", not stated

47'6"-269', 15"

47'6" of 15½" casing

County Cook

T.—DRILL RECORD

Index No. 2810

10-35N-14E

Town **Glenwood** Township
 Company **Gray Well Drig. Co.** No.
 Farm **Glenwoodie Country Club** No. **1**
 Authority
 Elevation **629 T. M.**
 Collector

Map No. **28**
 R. **14E**

T. **35N** Sec **10**

Confidential Date Drilled **1926**
2600' N. line, 1550' W. line

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
<i>Co⁴ 1822</i>					
	From sample study with interpretations by A. C. Mason				
	PLEISTOCENE SYSTEM				
	Glacial drift, pebbly clay	20		20	
	SILURIAN SYSTEM (?)				
	Dolomite	10		30	
	Shale	10		40	
	Dolomite	229		269	
	A 15" hole to bottom is reported below 47'6" of 15 1/2" casing.				

*u
630*

COUNTY **Cook** INDEX NO. **2810**
 DRILL RECORD

TOWN **Glenwood** TOWNSHIP
 COMPANY **L. M. Gray, Jr. Co.**
 FARM **Glenwoodie Country Club #1**

Map No. **28**
 R. **14E**

AUTHORITY
 ELEVATION **629 T.M.** 35 N
 COLLECTOR
 CONFIDENTIAL Restudied by **L. E. Arkman**
May 1930

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	PLEISTOCENE				
	Till, yellow, weathered	15		15	
	Till, dolomitic, sandy yellow	5		20	
	Gravel, composed mostly of dolomite and siltstone	10		30	
	Till, dolomitic, pebbly, brownish gray	10		40	
	CHICAGO (?)				
	Dolomite, argillaceous, silty, partly sandy, green-gray to gray	5		45	
	Siltstone, dolomitic, argillaceous, green-gray; dolomite, white, very finely crystalline	5		50	
	Siltstone, dolomitic, argillaceous, green-gray; dolomite, stony , brown, very fine <i>silty</i>	5		55	
	Siltstone, dolomitic, argillaceous, green-gray to gray	20		75	
	Siltstone, dolomitic, argillaceous, part sandy, buff-gray and green-gray	10		85	
	Dolomite, argillaceous, silty, light gray and green-gray	15		100	
	Siltstone, dolomitic, argillaceous, gray	30		130	

County **Cook** Index No. **2810**
 T.-DRILL RECORD Summary Sample Set #624 **10-35N-14E**
 Illinois Geological Survey, Urbana.

SHEET 2

COMPANY L.M. Gray, Jr. Co.

FARM Glenwoodie Country Club

35 N R 14 E S. 10

HOLE NO. 1

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Siltstone, dolomitic, argillaceous, gray, grading to dolomite, argillaceous, brown-gray, very fine	10		140	
	Siltstone, dolomitic, argillaceous, gray	10		150	
	Siltstone, dolomitic, argillaceous, gray, grading to dolomite, streaky , light gray, very fine	10		160	
	No sample	5		165	
	Siltstone, dolomitic, argillaceous, light green-gray, and dark gray gray	5		170	
	Siltstone, dolomitic, argillaceous, gray and light green, pyritic	30		200	
	No sample	5		205	
	Siltstone, dolomitic, argillaceous, gray, grading to dolomite, light buff, very fine, pyritic	5		210	
	Siltstone, dolomitic, argillaceous, green-gray	10		220	
	Dolomite, streaky ^{silty} , light gray, very fine	10		230	
	Dolomite, streaky , light buff-gray, very fine	5		235	
	Dolomite, streaky , light brown and green gray, very fine, pyritic	5		240	

County Cook

T.—DRILL RECORD

27091—4M—11-29) 2

Index No.

Summary Sample Set #624

2810
10-35N-14E

HEET 3
 COMPANY
 FARM Glenwoodie Country Club
 HOLE NO. 1

10-35 N R. 14 S. 10

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	PORT BYRON Dolomite, light gray, very finely crystalline, compact Size hole: 0-47'6", not stated 47'6" - 269, 15" hole 47'6" of 15½" casing	29		269	

County Cook
 T.-DRILL RECORD
 27091-4M-11-29) 2

Index No. ○

Summary Sample Set #624 *2810*
 10-35N-14E



TOWN **Glenwood** TOWNSHIP Map No. **28**

COMPANY **Gray Well Drilling Co.** R. **14 E**

FARM **Glenwoodie Country** No. **2** T. **35** Sec. **10**

AUTHORITY **Club** No. **2** N

ELEVATION **630 T.M.**

COLLECTOR DATE DRILLED

CONFIDENTIAL

100' S. line, 2600' W. line



No.	Co # 1823 STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Drift				
	Clay, dark gray to light gray, stained yellow in part	5		5	
	Clay, light buff, dolomitic	5		10	
	Same	15		15	
	Same	5		20	
	Clay, gray, dolomitic	5		25	
	Dolomite, light gray with bluish gray spots much pyrite	5		30	
	Dolomite, slate-gray, shaly	5		35	
	Same	5		40	
	Same	5		45	
	Same	5		50	
	Dolomite, slate-gray, and light gray	5		55	
	Same	5		60	
	Same	5		65	
	Dolomite, slate-gray, shaly	5		70	
	Devonian Dolomite, gray	5		75	
	Dolomite, light slate-gray	5		80	
	Same	5		85	
	Dolomite like above and light gray mixed	5		90	

County **Cook** MF Index No. **2810**

T.—DRILL RECORD **SS 625 10 630** **10-35N-14E**



SHEET

COMPANY

FARM

2

Gray Well Drilling Co
Glenwoodie Country Club

T. 35 N

R. 14 E S.

HOLE NO.

HOLE NO. 2

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Same	5		95	
	Dolomite, slate-gray, shaly	5		100	
	Same	5		105	
	Same	5		110	
	Same	5		115	
	Same	5		120	
	Same	5		125	
	Dolomite, light gray and gray	5		130	
	Dolomite, slate-gray, shaly	5		135	
	Same	5		140	
	Same	5		145	
	Dolomite, light slaty gray and gray	5		150	
	Same	5		155	
	Dolomite, slaty gray, shaly	5		160	
	Dolomite, light gray	5		165	
	Dolomite, slight slaty gray	5		170	
	Same	5		175	
	Same	5		180	
	Same	5		185	
	Like above with some light gray	5		190	
	Niagara - dolomite, light gray	5		195	
	Dolomite, light gray to gray, darker spots	5		200	
	Dolomite, light gray	5		205	
	Same	5		210	
	Dolomite, light gray, some darker gray	5		215	

County **Cook**
T.—DRILL RECORD
(72260—EM—8-27)

MF
SS 625

Index No. **2810**

10-35N-14E



SHEET **3** T. **35** NR. **14** E. **10**
 COMPANY HOLE NO. **10**
 ARM **Gray Well Drilling Co** HOLE NO. **3**
Glenwoodie Country Club

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Dolomite, light gray and light greenish gray, some darker gray	5		220	
	Same	5		225	
	32'2" 12" casing 33'2" to 225 - 12" hole				

County **Cook**
 T.—DRILL RECORD
 (72960—2M—8-27)

MF
SS 625

Index No. **2810**

10-35N-14E

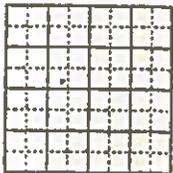
Town **Glenwood** Township **Map No. 28**
 Company **Gray Well Drlg. Co.** No. **R. 14E**
 Farm **Glenwoodie Country Club** No. **2** T. **35N** Se **10**
 Authority
 Elevation **630 T. M.**
 Collector
 Confidential Date Drilled
100' S. line, 2600' W. line

No.	Co # 1823 Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	From sample study with interpretations by A. C. Mason				
	PLEISTOCENE SYSTEM				
	Glacial drift; pebbly clay	30		30	
	SILURIAN SYSTEM (?)				
	Dolomite	195		225	
	A 12" hole to bottom is reported below 33'2" of 12" casing.				

COUNTY **Cook** INDEX NO. **2810**
 DRILL RECORD
10-35N-14E
 (12880-20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41) 2

Strata	Thickness	Top	Bottom
Top Soil	1	0	1
Yellow clay	8	1	9
Fine reddish sand	18	9	27
Gray gravelly clay	5	27	32
Broken lime (blue-gray)	6	32	38
Blue gray lime	13	38	51
Gray shaley lime	9	51	60
Blue gray lime	14	60	74
Gray shaley lime	82	74	156
Gray and brown lime	13	156	169
Gray lime	28	169	197
Green and light gray lime	6	197	203
Green shale	3	203	206
Light gray shaley lime	4	206	210
Gray, green and brown lime, some shale	28	210	238
Light gray lime	32	238	270
Brown and gray lime	19	270	289
Light gray lime	62	289	351
			TD
<p>hole size 12" 0-351' casing: 12" 0-39' static water level 18' drawdown water level 242' at 292 gallons per minute for 7½ hours. S.S. #46799</p>			
<p>received from Naperville office in envelope.</p>			

COMPANY Layne-Western
ARM Glenwoodie Country Club NO. 3
DATE DRILLED May 1963 COUNTY NO. 160
AUTHORITY
ELEVATION 628'
LOCATION 2440' N Line, 1920' W Line of NW
COUNTY COOK



10-35N-14E

LOG OF WATER WELL

Lawrence
 Property owner John Murphy
 Drilled by E. L. Gehling

Well No. 271

Year 1950

Formations passed through

Thick-
ness

Depth of
Bottom

Glacial Drift

58 1/2

Drilled in Rock

93 5/8 152

COUNTY No. 1824

Finished in 93 5/8' of rock at 58 1/2 to 152 ft.

Cased with 6 inch galv. well casing from 0 to 58 1/8 ft.
 and _____ inch _____ from _____ to _____ ft.

Size hole below casing 5 7/8 inch. Static level from surf. 19 ft.

Tested capacity _____ gal. per min. Temperature 52 °F.

Water lowered to no draw down ft. in _____ hrs. _____ min.

Length of test 3 hrs. _____ min. Screen _____

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

[Show location in Section Plat]

Township name _____ Elev. _____ Sec. 10

Description of location Part lying So. of E. of Glenwood Twp. 35N

Dyer Rd of E 1/2 of N 1/2 of NE 1/4 of Sec 10 Rgs. 14E

Signed E. L. Gehling County Rock

Copy for Illinois State Geological Survey

Index: 10-35N-14E

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906, 377265



TOWN Glenwood TOWNSHIP

Map No. 28

COMPANY R. Hemingway No.

R. 19E

FARM Henry Bilton No.

T

Sec. 3

AUTHORITY R. Hemingway, driller 35N

ELEVATION

COLLECTOR S. E. Ekblaw DATE DRILLED

CONFIDENTIAL

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
Co # 1785					
	Depth Plenty of water			75	10
	4 1/2" well				
	32' casing				
	Static level 14'				
	NO ENVELOPE				
	ORIGINAL FILED				

County Cook
P.-DRILL RECORD

Index No. 2803

(G7727-5M--11-31) Illinois Geological Survey, Urbana. 3-35N-14E

Town Glenwood Township Bloom Map No. 28

Company Richard Hemingway No. R. 14E

Farm Blakmore, James No. T. Sec

Authority Richard Hemingway, Glenwood 35 3

Elevation 626 top. map N

Collector

Confidential Date Drilled March, 1940

80' S. line, 660' E. line of SW

Co #	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	Sand	5		5	
	Yellow clay	10		15	
	Blue clay	10		25	
	Soft mud and gravel	10		35	
	Caving sand, gravels and boulder	25		60	
	Flinty rock	10		70	
	Soft bluish rock	30		100	
	White softrock, water bearing	10		110	
Well tested at 500 g.p.h. with 18" draw down.					
Water head 22' from top of ground.					
NO ENVELOPE					
ORIGINAL FILED					

COUNTY Cook INDEX NO. 2803
DRILL RECORD 3-35N-14E



TOWN Glenwood TOWNSHIP

Map No. 28

COMPANY *R. Hemingway* No.

R. 14E

FARM Geo. Brooks No.

T

Sec. 3

AUTHORITY Richard Hemingway,
driller

35N

ELEVATION
COLLECTOR S. E. EKBLAW DATE DRILLED

CONFIDENTIAL

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
<i>Ce #1787</i>				121	3"
	121'3" deep 4 1/2" diameter at base Cased with 4 1/2 galvanized pipe to 61' Static head 26'8" Soft blue rock at base				
	NO ENVELOPE				

ORIGINAL FILED

County **Cook**
I.—DRILL RECORD

Index No. **2803**
3-35N-14E

Strata	Thickness	Top	Bottom
Black dirt		0	1
Clay		1	28
Gravel and clay		28	40
Limestone		40	93
Limestone and blue shale		93	131
Limestone		131	210
Limestone and blue shale		210	231
Lime		231	482
Shale		482	510
Lime and shale		510	528
Lime		528	556
Shale - shells mud.		556	562
Shale		562	665
Lime		665	989
Sand		989	1120
Lime		1120	1452
Lime and sand		1452	1675
Sand		1675	1788
Shale		1788	1789
			TD

Size of well: 20: 0-40'
 19 1/4" - 676-
 15 1/4" to 1129'
 12" to 1789'

Casing Record 20" 0-40'
 16" 0-672' cemented

Chief aquifer: sandstone from 1675-1788'
 Nonpumping level 400 below measuring point
 Pmping level 502 below measuring point
 after pumping at 745 gallons per minute
 for 12 hours

(Continued)

COMPANY Wehling Well Works
 FARM Glenwood, Village of NO. 3
 DATE DRILLED February 15, 1964 COUNTY NO. 363
 AUTHORITY Wehling Well Works
 ELEVATION 618' G. L. - Company
 LOCATION 1550'S line, 1700'E line, SE
 COUNTY COOK

3-35N-14E

(65600-402f-10-57)  2

ILLINOIS GEOLOGICAL SURVEY, URBANA

2

Strata	Thickness	Top	Bottom
Measuring point for above measurements: top of casing, 2' above land surface datum.			
S.S. #47051			

COOK COUNTY Wehling Well Works Glenwood, Village of # 3
3-35N-14E



TOWN **Glenwood** TOWNSHIP
 COMPANY **Richard Hemingway** No.
 FARM **Dart Harvey** No.
 AUTHORITY **R. Hemingway**
 ELEVATION
 COLLECTOR **S. E. Ekblaw** DATE DRILLED
 CONFIDENTIAL

Map No. **28**
 R. **14E**

35N T Sec. **3**

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
G # 1790					
	Depth			71	8
	Diameter 4 1/2"				
	Casing 43'				
	Static level 11				
	Rock, soft 30'				
	Rock, hard at 70'				
	NO ENVELOPE				
	ORIGINAL FILED				



TOWN **Glenwood** TOWNSHIP
 COMPANY **Richard Hemingway** No.
 FARM **Richard Hemingway** No.
 AUTHORITY **R. Hemingway**
 ELEVATION
 COLLECTOR **S.E. Ekblaw** DATE DRILLED
 CONFIDENTIAL

Map No. **28**
 R. **14E**

T **35N** Sec. **3**

Co.	Co# 1791 STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Drift	86		86	
	Rock	32		118	
	Static level 18'				
	Yield 10 G.P.M.				
	NO ENVELOPE				
	ORIGINAL FILED '70				

County **Cook**
 F.—DRILL RECORD

Index No. **2803**

3-35N-14E

Town Glenwood Township Bloom Map No. 28
 Company H. McCaskey No. R. 14E
 Farm Huesman, Armand No. T. 35N Sec. 3
 Authority H. McCaskey
 Elevation 622 top. map
 Collector
 Confidential Date Drilled 1940

NE NE NW SW

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
C# 1792	Lot 5, Block 1, Sweet's Third Add.				
	Soil and yellow clay	12		12	
	Clay, blue	15		27	
	Clay, sandy, blue	6		33	
	Clay, hard, blue	5		38	
	Gravel	1		39	
	Limerock	71		110	

NO ENVELOPE

~~ORIGINAL FILED~~

Town **Glenwood** Township **Bloom** Map No. **28**
 Company **Richard Hemingway** No. **R. 14E**
 Farm **Huesmann, Wm.** No. **T. 35** Sec. **3**
 Authority **Richard Hemingway** No. **N**
 Elevation **624 top. map**
 Collector
 Confidential Date Drilled **June 1940**
 Cen. **NW SE SW**

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
C_o #1793					
	Lot 9, Block 2, Franz Czarras Adn.				
	Clay, yellow	5		5	
	Clay, blue and hardpan	10		15	
	Boulders	5		20	
	Gravel and sand	15		35	
	Sand and boulders	10		45	
	Broken slabs of bed rock mixed with boulders and gravel	8		53	
	Rock, soft, blue formation full of clay seams and dry, very soft in some places	45		98	
	Enough water for the ordinary home in bottom of hole				
	The water rose to 20½' from the top and stood at 24' with 2" test pump working.				
	Cased 53' with 4½" galvanized pipe with forged steel shoe and covered at top with coupling and standard pipe plug.				
	NO ENVELOPE				

~~ORIGINAL FILED~~

LOG OF WATER WELL

Property owner Rolland Jones Well No. 112

Drilled by E. C. Wehling Year 1947

Formations passed through	Thick-ness	Depth of Bottom
<u>Glacial drift</u>	<u>33</u>	
<u>Drilled in Rock</u>	<u>71</u>	<u>104</u>

COUNTY No. 1794

[Continue on back if necessary]
 Finished in 71' of rock at 33 to 104 ft.
 Cased with 4 inch galv. well casing from 0 to 33 ft.
 and _____ inch _____ from _____ to _____ ft.
 Size hole below casing 3 1/8 inch. Static level from surf. 16 ft.
 Tested capacity 12 gal. per min. Temperature 54 °F.
 Water lowered to 4' draw down in _____ hrs. _____ min.
 Length of test 3 hrs. _____ min. Screen _____

Slot _____ Diam. _____ Length _____ Bottom set at _____ ft.
 [Show location in Section Plat]

Township name Thornton Elev. _____ Sec. 3
 Description of location Lot 6 in blk 4 Twp 35N
NK Sweets subdiv of 1/4 SW 1/4 NW 1/4 Rge 14E
1 SW 1/4 of Sec 3

Signed E. C. Wehling County Cook

Copy for Illinois State Geological Survey Index: 3-35N-14E

Town **Glenwood** Township **Bloom** Map No. **28**
 Company **Richard Hemingway** No. **R. 14E**
 Farm **Jung, Charles** No. **T. 35** Sec. **3**
 Authority **Richard Hemingway** No. **N**
 Elevation **626 top. map**
 Collector
 Confidential **NW SW SE SW** Date Drilled **Oct. 1940**

No.	Co # 1795	Strata	Thickness		Depth	
			Feet	In.	Feet	In.
		Lot 1, Blk. 10, Young & Campbell's Sub., or S. W. corner Pickens & Clark Sts.				
		Clay	20		20	
		Boulders and gravel	10		30	
		Hardpan	15		45	
		Boulders and gravel	10		55	
		Clay, boulders, gravel and sand, mixed	11		66	
		Total depth			87	
		Cased with 66' of 4½" pipe				
		Water head 21'				
		NO ENVELOPE				
		ORIGINAL FILED				

COUNTY **Cook** INDEX NO. **2803**
 DRILL RECORD **3-35N-14E**
 (A32187-20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (10-10) 2



TOWN **Glenwood** TOWNSHIP
 COMPANY **Richard Hemingway** No. **19E 14E**
 FARM **Ed. Kelley** No. **T** Sec. **3**
 AUTHORITY **R. Hemingway, driller 35N**
 ELEVATION
 COLLECTOR **S.E. EKBLAW** DATE DRILLED
 CONFIDENTIAL

No.	Co #	STRATA	Thickness		Depth		
			Feet	In.	Feet	In.	
	1796					92	
		Depth Diameter 4 1/2" Cased to 53' 10" Static level 16'					
		Very hard, light gray rock at base					
		NO ENVELOPE					

ORIGINAL FILED

LOG OF WATER WELL

Property owner Neing, ~~McCarthy~~ Well No. 86

Drilled by E. C. Wehling Year 1947

Formations passed through

Thick-ness Depth of Bottom

Glacial Drift 26'

Drilled in Rock 97 123

COUNTY No. 1798

[Continue on back if necessary]

Finished in 97' of rock at 26' to 123 ft.

Cased with 4 1/2 inch Galv. Well Casing from 0 to 26 ft.

and _____ inch from _____ to _____ ft.

Size hole below casing 4 3/8 inch. Static level from surf. 11 ft.

Tested capacity 17 gal. per min. Temperature 57 °F.

Water lowered to 15' draw down in _____ hrs. _____ min.

Length of test _____ hrs. _____ min. Screen _____

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

[Show location in Section Plat]

Township name _____ Elev. _____ Sec. 3

Description of location lots 21, 22, on Twp. 35N

Oak St., in Sec. 7 of Elmwood Rge. 14E

Signed E. C. Wehling County Cook

Copy for Illinois State Geological Survey Index: 3-35N-14E



TOWN **Glenwood** TOWNSHIP
 COMPANY **R. Hemingway** No.
 FARM **J. Paris** No.
 AUTHORITY **R. Hemingway**
 ELEVATION
 COLLECTOR **S. E. Ekblaw** DATE DRILLED
 CONFIDENTIAL

Map No. **28**
 R. **14E**

T
 No. **35N**

Sec. **3**

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
C_o#1797					
	4-1/2" well				
	Depth			68	
	Casing 34'				
	Static level 12'				
	Gray rock, fairly soft at bottom				
	NO ENVELOPE				
	ORIGINAL FILED				

UMER HEALTH PROTECTION, 535 WEST
 I. DO NOT DETACH GEOLOGICAL/WATER
 PROPER WELL LOCATI

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 9-12-74

10. Property owner Emmett Price Well No. _____
 Address 731 Glenwood E. Lansing Rd. Allenwood, Ill.
 Driller A. B. Well Drilling License No. 102-29
 11. Permit No. 32841 Date Sept 9, 1974
 12. Water from limestone 13. County Cook

at depth 83 to 180 ft. Sec. 3
 14. Screen: Diam. _____ in. Twp. 35N
 Length: _____ ft. Slot _____ Rge. 14E
 Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Black 15lbs	0	57

SHOW LOCATION IN SECTION PLAT
 NW NE SE
 (Permit)

16. Size Hole below casing: 5 in.
 17. Static level 80 ft. below casing top which is 2 ft. above ground level. Pumping level 105 ft. when pumping at 20 gpm for 4 hours. Sub. pump set at 105'

18. FORMATIONS PASSED THROUGH	THICKNESS TOP	DEPTH OF BOTTOM
<u>Overburden</u>	<u>0</u>	<u>57</u>
<u>Rock Formation</u>	<u>57</u>	<u>180</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Kmicim DATE 10/23/74

COUNTY No. 24780

COOK

3-35N-14E

LOG OF WATER WELL

Property owner Ralph Green Well No. 113

Drilled by E.C. Wehling Year 1947

Formations passed through	Thick-ness	Depth of Bottom
<u>Glacial drift</u>	<u>33</u>	
<u>Drilled in Rock</u>	<u>66</u>	<u>99</u>

COUNTY No. 1799

[Continue on back if necessary]
 Finished in 66' of rock at 33 to 99 ft.

Cased with 4" inch galv. Well Casing from 0 to 33 ft.
 and _____ inch from _____ to _____ ft.

Size hole below casing 3 7/8 inch. Static level from surf. 18 ft.

Tested capacity 17 gal. per min. Temperature 57 °F.

Water lowered to no drawdown in _____ hrs. _____ min.

Length of test 3 hrs. _____ min. Screen _____

Slot _____ Diam. _____ Length _____ Bottom set at _____ ft.
 [Show location in Section Plat]

Township name Sharon Elev. _____ Sec. 3

Description of location Lot # 4 in Blk 3 Twp. 35N

1/4 SW 1/4 of Sec 3 Rge. 14E

Signed E.C. Wehling County Cook

Copy for Illinois State Geological Survey Index: 3-35N-14E

Town **Glenwood** Township **Bloom** Map No. **R. 14E**
 Company **Richard Hemingway** No. **No. 1**
 Farm **Tattersall, George** No. **1** T. **35**
 Authority **Driller's notebook** N
 Elevation **634 top. map**
 Collector
 Confidential Date Drilled **Nov. 1939**
795' S. line, 100' W. line

Sec
3

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	Co # 1802				
	Total depth			84	
	Hit rock at 55'				
	Main supply at 78'				
	Water head 11'				
	Draw down 5'				
	500 g.p. hr.				
	4 1/2" well				
	4 1/2" casing to 56'6"				
	S. S. # 3845				
	NO ENVELOPE				

COUNTY **Cook** INDEX NO.
 DRILL RECORD **S.S. 3845** **3-35N-14E**
 (18880-2021) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41) 2

ILLINOIS GEOLOGICAL SURVEY, URBANA

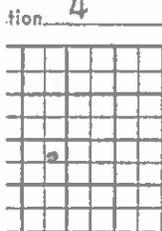
Page 1

Strata	Thickness	Top	Bottom

PREPARE AND SUBMIT IN DUPLICATE ^{vg} August 24th ^{NS} 19 6

STATE DEPARTMENT OF MINES AND MINERALS:
I also issue an authorization to drill a water well on the property of Glenwood School for Boys, whose address is Glenwood, Illinois

; said well to be located as follows:
_____ foot (East-West) and _____ foot (North-South) of the _____ Corner
the _____ 1/4 of Section 4, Township 35 (North ~~XXX~~) Range
14 (East ~~XXX~~), Cook County
otherwise located as: NE 1/4 of SW 1/4 of Sec 4

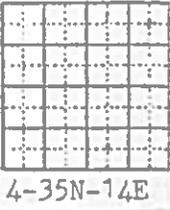


Said well is to be drilled with 6 inch tools to a depth of approximately 150 to 200 feet, with an anticipated yield of 50 gals. per minute; drilling will begin on or after receipt of authorization.

Wehling Well Works
E. C. Wehling 615 Reed St. Beecher
Address City
(53361-3-37)

Permit only

COMPANY Wehling Well Works
 FORM Glenwood School for Boys NO. _____
 DATE DRILLED _____ COUNTY NO. _____
 AUTHORITY _____
 ELEVATION _____
 LOCATION _____
 TOWNSHIP COOK _____



4-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Forest Pres. Dist. of Cook Cty. Well No. _____
 Address 536 North Harlem Ave. River Forest IL
 Driller Stinnett, James R. License No. 102-1062
 11. Permit No. 92607 Date 02/07/80
 12. Water from limestone 13. County Cook
 at depth 75 to 180 ft. Sec. 4
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe SE SW NW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
6	GALVANIZED 19.36#	0	60

16. Size hole below casing: 5.62 in.
 17. Static level 85 ft. below casing top which is 1 ft. above ground level. Pumping level 100 ft. when pumping at 15 gpm for 4 hours.

18. Formations passed through	Thickness	Bottom
blk dirt-top soil	3	3
rock, dirt-sdy soil	25	28
westland ls & shale	30	58
limestone	142	200

Cook 12-031-27782-00 04-35N-14E

Town Glenwood Township Bloom Map No. 28
 Company Richard Hemingway No. R. 14E
 Farm Geczras, Zenon No. T. Sec.
 Authority Richard Hemingway 35 4
 Elevation 621 top. map N
 Collector
 Confidential Date Drilled April 1940
 900' S. line, 600' E. line of NE

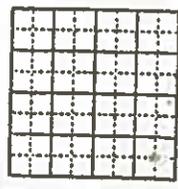
No.	Co # 1803 Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	Clay, yellow	15		15	
	Hardpan, blue and boulders	12		27	
	Sand gravel and loose slabs of rock	10		37	
	Forged steel drive shoe				
	Rock, hard, flinty, gray	20		57	
	Rock, soft, blue, water bearing	20		77	
	Water head 21'				
	Tested at 500 g.p.h. with 9' draw down				
	Cased with 4½" galvanized pipe				
	NO ENVELOPE				
	ORIGINAL FILED				

COUNTY Cook INDEX NO. 2804
 DRILL RECORD 4-35N-14E
 (A32187-20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (10-40) 2

ILLINOIS GEOLOGICAL SURVEY, URBANA

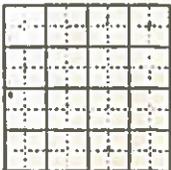
Strata	Thickness	Top	Bottom
<p>SSA 41239</p> <p>14" Well 0 to 455'</p> <p>Hole record: 20" hole 0 to 33½' 13½" 33½ to 455'</p> <p>Casing record: 20" casing 0 to 33½' 14' liner 0 to 33½' - cemented in.</p>			

COMPANY Wehling Well Works
ARM Glenwood Manor Subdiv.
DATE DRILLED Burnside Const. Co. COUNTY NO. 423
AUTHORITY
ELEVATION
LOCATION 142' E of W line, 46' N of center
NW¼ of S. 14.
COUNTY Cook 4-35N-14E



Strata	Thickness	Top	Bottom
Summary Sample Study by G. H. Emrick September 9, 1961			
Pleistocene Series			
Soil	5		5
Till, slightly sandy, yellowish-buff, oxidized, leached.	5		10
SILURIAN SYSTEM			
Niagaran Series			
Waukesha Formation			
Dolomite, very silty, little slightly silty, gray, little buffish-gray, very fine to finely crystalline.	15		25
Dolomite, very silty, buffish-gray, very fine to finely crystalline grading to dolomite, very silty, gray to buffish-gray, very fine to finely crystalline.	35		60
Dolomite, very silty, gray to light buffish-gray, very fine to finely crystalline	45		105
Dolomite, partly silty, gray to buff, little brown, fine to very finely crystalline.	35		140
Dolomite, silty, gray to buff, very fine to finely crystalline.	20		160
*Burnside Construction Company			

COMPANY Wehling Well Works
 FARM *Glenwood Manor Subdivision NO.
 DATE DRILLED August, 1961 COUNTY NO. 423
 AUTHORITY G. H. Emrick
 ELEVATION 625' E. T. M.
 LOCATION 142' W line, 2750' N line, sec.
 COUNTY COOK S. S. # 41239



4-35N-14E

Strata	Thickness	Top	Bottom
Dolomite, slightly silty, buff to light grayish-buff, fine to very finely crystalline.	35		195
Dolomite, slightly silty, buff, gray, fine to very finely crystalline.	60		255
Joliet Formation			
Dolomite, light buff to light gray, very fine to finely crystalline.	85		340
Dolomite, slightly silty to silty buffish-gray to buff, very fine to finely crystalline.	13		355
Dolomite, partly slightly silty, buff, little gray to light gray, very fine to finely crystalline, slightly speckled (black).	10		365
Alexandrian Series			
Kankakee Formation			
Dolomite, buff, little light buff, finely crystalline, trace glauconite.	35		400
Edgewood Formation			
Dolomite, slightly silty, slightly cherty to cherty, grayish-buff to buff, very fine to finely crystalline, slightly speckled (black).	35 35		435 435
ORDOVICIAN SYSTEM			
Cincinnati Series			
Maquoketa Formation			
Dolomite, very silty, slightly cherty, grayish-buff to buff, fine to very finely crystalline mottled, fossiliferous.	15		450

Wehling Well Works Glenwood Manor Subdivision

COUNTY COOK S. S. #41239 4-35N-14E

Strata	Thickness	Top	Bottom
Dolomite, very silty, gray to buff, very finely crystalline inter-bedded with shale, light buffish-gray, weak.	5		455 TD
Hole Record: 20" hole 0 - 33½' 13½" hole 33½' - 455'			
Casing Record: 20" casing 0 - 33½' 14' liner 0 - 33½' - cemented in.			

Wehling Well Works

Glenwood Manor Subdivision

COUNTY COOK

S. S. #41239

4-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property owner Landaver, Inc. Well No. _____
 Address 2 Science Rd. Glenwood IL
 Well address same as above
 Lot _____ Subd _____ ISWS P# 349635
 Driller Sharpe, Franklin N. License No. 102-1773
 Permit No. 031-00051-03 Date 04/07/2003
 Water from limestone County Cook
 at depth 41 to 780 ft. Sec. 4
 Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



Casing and Liner Pipe

SW SW SE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	PVC	2	41

Size hole below casing: _____ in.
 Static level 265 ft. below casing top which is 2 ft.
 above ground level. Pumping level 300 ft. when pumping at 30
 gpm for 2 hours.

Formations passed through	Thickness	Bottom
clay	20	20
broken rock	5	25
limestone	755	780

Irrigation Well

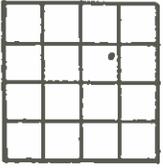
Cook 12-031-34121-00 4-35N-14E

REQUESTED AND MAIL ORIGINAL TO STATE
 DEPARTMENT OF ENVIRONMENTAL HEALTH, 535 WEST
 1. DO NOT DETACH GEOLOGICAL/WATER
 PROPER WELL LOCATION.

Test Well for Metropolitan Sanitary District
GEOLOGICAL AND WATER SURVEYS WELL RECORD
 Completed 8-27-74

10. Property owner F. Sarnacki Well No. TW 74-4
 Address RR, Glennwood
 Driller Wehling Well Works, Inc License No. 92-598
 11. Permit No. 32133 Date 8-13-74
 12. Water from _____ 13. County cook

at depth _____ to _____ ft. Sec. 4
 14. Screen: Diam. _____ in. Twp. 35N
 Length: _____ ft. Slot _____ Rge. 14E
 Elev. _____



810' 34' 0" SW NE
 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
12	Black steel	0	60
	cemented		

SHOW
 LOCATION IN
 SECTION PLAT
 810' SL, 340'
 EL, SW NE
 (permit)

16. Size Hole below casing: 12 in.
 17. Static level 70 ft. below casing top which is _____ ft.
 above ground level. Pumping level 240 ft. when pumping at 393
 gpm for 96 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS TOP	DEPTH OF BOTTOM
Drift & Fill	0	25
Lime	25	447
Lime & Shale	447	465

Test well for Metropolitan Sanitary District
 (CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 11-23-74

COOK Richard H. Wehling COUNTY No. 14898
 4-35N-14E



TOWN **Glenwood** TOWNSHIP **Bloom** MAP No. **28**
 COMPANY **Richard Hemingway** NO. **R. 14E**
 FARM **United Church** NO. **T. 35** SEC. **4**
 AUTHORITY **Richard Hemingway** **N**
 ELEVATION **625 top. map**
 COLLECTOR
 CONFIDENTIAL DATE DRILLED **1939**
1252' N. of SE cor.

O.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	<i>C# 1805</i>				
	Sand	5		5	
	Clay, yellow	5		10	
	Hard pan	5		15	
	Caving sand and gravel	15		30	
	Rock, solid blue	15		45	
	Rock, soft blue, water bearing	19	6	64	6
<i>Tested About 500 gals. per hour for 7 hours</i>					
<i>Water head 17'</i>					
 Lot 1, Block 6, Merrill K. Sweet's First Addition					
 NO ENVELOPE.					

COUNTY **Cook** INDEX NO. **2804**
 DRILL RECORD **4-35N-14E**
 (A.8572--15M--10-39) ILLINOIS GEOLOGICAL SURVEY, URBANA

Town **Glenwood** Township **Bloom** Map No. **28**
 Company **Richard Hemingway** No. **14E**
 Farm **Zentera, Stanley** No. **35** T. **35** Sec. **4**
 Authority **Richard Hemingway** No. **N**
 Elevation **624 top. map**
 Collector
 Confidential Date Drilled **June 1940**
1677' N. of SE corner

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
Co # 1806					
	Lot 10, Block 4, M. K. Sheets Sub.				
	Sand and clay, yellow	5		5	
	Clay, blue fading into hardpan and boulders	15		20	
	Sand gravel and slabs of bed rock	14	10	34	10
	Forged steel shoe				
	Rock, flinty	10		44	10
	Limestone, water bearing	30		74	10
	Stone, blue, soft, no water of any account	10		84	10
	Capped with standard cast pipe cap. Well cased with 5" galvanized pipe. Water head 14' 5' draw down at 700 g.p.h.				
	NO ENVELOPE				
	ORIGINAL FILED				

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Metr Sanitry Dst Chicago Well No. #H7449
 Address Calumet Sys Tunnel & Reservoir Chicago IL
 Driller ATEC Associates License No. 2380
 11. Permit No. none Date _____
 12. Water from _____ 13. County Cook
 at depth _____ to _____ ft. Sec. 4
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. 610



15. Casing and Liner Pipe SW NE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)

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	Bottom
<u>c #13433 (26.3'-486.3')</u>	<u>0</u>	<u>0</u>
<u>no record</u>	<u>486</u>	<u>486</u>

Observation
 Cook 12-031-30347-00 4-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Bolton Construction Well No. _____
 Address 210 Roberts Cove Flossmoor IL
 Driller Sharpe, Franklin N. License No. 102-1773
 11. Permit No. 031-00248-93 Date 12/07/93
 12. Water from Limestone 13. County Cook
 at depth 55 to 180 ft. Sec. 5
 14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____

15. Casing and Liner Pipe NE SW SW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	PVC SDR 21 200#	0	55

16. Size hole below casing: 4.75 in.
 17. Static level 17 ft. below casing top which is 1 ft.
 above ground level. Pumping level 17 ft. when pumping at 30
 gpm for _____ hours.

18. Formations passed through	Thickness	Bottom
clay	15	15
gravel	25	40
clay	15	55
limestone	125	180

Household - Private

Cook 12-031-30763-00 05-35N-14E

LOG OF WATER WELL

Property owner McCarson Well No. 2262

Drilled by E. G. Welling Year July 1966

Formations passed through	Thick-ness	Depth of Bottom
Permit #1189		
clay	45'	
Sand	9	54'
Rock	146	200'

COUNTY No. 1807

S.S. # 53405
Received from Naperville office 9-7-66

[Continue on back if necessary]
Finished in 146 ft of rock at 55 to 200 ft.

Cased with 6 inch. seamless casing from 0 to 55 ft.
and _____ inch from _____ to _____ ft.

Size hole below casing 5 7/8 inch. Static level from surf. 37 ft.

Tested capacity 55 gal. per min. Temperature 52 °F.

Water lowered to none in. in _____ hrs. _____ min.

Length of test 3 hrs. _____ min. Screen _____

Slot _____ Diam. _____ Length _____ Bottom set at _____ ft.
[Show location in Section Plat]

Township name _____ Elev. _____ Sec. 5

Description of location 120' S. and 90' E Twp. 35N

NW SW SW Rge. 14E

Signed E. G. Welling COOK County Will-Beecher

Copy for Illinois State Geological Survey Index: 5-35N-14E Illinois

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner R.W. Edwards Const. Co. Well No. _____
 Address 603 Ridge Rd. Homewood IL
 Driller Knierim, Phil License No. 102-0841

11. Permit No. 031-00166-90 Date 07/16/90

12. Water from rock 13. County Cook
 at depth 80 to 160 ft. Sec. 5

14. Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____



15. Casing and Liner Pipe SW SW SW

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	BLACK 15#	0	55

16. Size hole below casing: 4.37 in.

17. Static level 80 ft. below casing top which is 1 ft. above ground level. Pumping level 120 ft. when pumping at _____ gpm for 2 hours.

18. Formations passed through	Thickness	Bottom
soil	3	3
clay	37	40
sand gravel	15	55
rock	105	160

Cook 12-031-29898-00 05-35N-14E

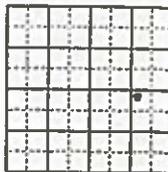


ILLINOIS GEOLOGICAL SURVEY, URBANA

Page 1

Strata	Thickness	Top	Bottom
Summary Sample Study by J. E. Roche 1/63.			
Pleistocene Series			
Soil sandy, silty, dark brown, yellow	5		5
Till, silty, calcareous, grayish-buff to buff, sporangites	10		15
Sand and gravel, multicolored	1		16
SILURIAN SYSTEM			
Niagaran Series			
Waukesha Formation			
Siltstone, dolomitic to very dolomitic, light grayish-buff to light buff, tough.	24		40
Siltstone, dolomitic, gray to buffish-gray, tough	55		95
Siltstone, dolomitic, slightly argillaceous, buffish-gray, gray to light gray, tough	40		135
Siltstone, dolomitic, light buffish-gray, light grayish-buff, light gray, tough; little dolomite, slightly silty to very silty, little grayish-buff, sublithographic to very finely crystalline	50		185
Siltstone, dolomitic, partly slightly pyritic, partly slightly glauconitic, light grayish-buff to light buffish-gray, light gray, tough, grading to little dolomite,			

COMPANY Wehling Well Works
 NAME Village of Glenwood NO. 2
 DATE DRILLED October 1962 COUNTY NO. 459
 AUTHORITY J. E. Roche
 ELEVATION 629' Est. Topo Map
 LOCATION 2700'N line, 1100'E line, NE
 COUNTY COOK S.S. #43267



5-35N-14E

Strata	Thickness	Top	Bottom
very to extremely silty, light gray to light buffish-gray, sub-lithographic to very finely crystalline, partly speckled	35		220
Dolomite, very silty, light grayish-buff, light buff, light gray, sublithographic to very finely crystalline, grading to little siltstone, dolomitic, light grayish-buff to light gray, tough	25		245
Dolomite, slightly silty to silty, light buff, light grayish-buff, buff, sublithographic to very finely crystalline	55		300
Joliet Formation			
Dolomite, slightly silty, light grayish-buff to light gray, light buff, very fine, sublithographic crystalline	50		350
Dolomite, silty to very silty, light grayish-buff, grayish-buff, sublithographic to very finely crystalline, foraminifera	30		380
Alexanderian Series			
Kankakee Formation			
Dolomite, slightly silty, slight siliceous, light buff, light grayish-buff, very finely crystalline, trace glauconite	10		390
Dolomite, slightly silty, buff to light buff, very finely, little sublithographic crystalline	10		400
Dolomite, becoming silty towards base, slightly cherty, buff, brownish-buff, very finely crystalline, partly brown speckled, partly slightly mottled	26½		426½

TD

Wehling Well Works Village of Glenwood #2

COUNTY COOK

S.S. #43267

5-35N-14E

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Property owner Homewood Flossmoor Pk Dist. Well No. _____
 Address 3301 Flossmoor Rd. Flossmoor IL
 Well address Apollo Park Homewood, IL
 Lot _____ Subd Apollo Park ISWS P# _____
 Driller Stinnett, David License No. 102-3654
 Permit No. 031-000048-05 Date 04/29/2005
 Water from rock County Cook
 at depth 820 to 860 ft. Sec. 5
 Screen: Diam. _____ in. Twp. 35 N
 Length: _____ ft. Slot _____ Rge. 14 E
 Elev. _____

Casing and Liner Pipe SE NW SE

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
8	STEEL	0	41

Size hole below casing: _____ in.
 Static level 12 ft. below casing top which is 1 ft.
 above ground level. Pumping level 300 ft. when pumping at 50
 gpm for 1 hours.

Formations passed through	Thickness	Bottom
brown clay	15	15
gray clay with gravel	5	20
white rock	450	470
gray rock	390	860

Irrigation Well

Cook 12-031-34743-00 5-35N-14E

Town **Homewood** Township **Bloom** Map No. **R. 14E**
 Company **C. Erwin Kramer** No. **35**
 Farm **Washington Park Airport** No. **5**
 Authority **C. Erwin Kramer, Harvey**
 Elevation **626 T.M.**
 Collector
 Confidential Date Drilled **1941**
NW NE SE

T.				
35				
N				

No.	Co # 1808	Strata	Thickness		Depth	
			Feet	In.	Feet	In.
		187th and Halsted Streets				
		Clay	12		12	
		Sand, broken lime, clay, mixed	26		38	
		Limestone, soft, water at 12' 92"			130	
		5" casing set in concrete grout Full gauge 5" to bottom				
		Water level 4' from surface No drawdown at 25 g.p.m.				

ORIGINAL FILED

~~No Envelope~~

COUNTY **Cook** INDEX NO. **5-35N-14E**
 DRILL RECORD **SS. 9303**
 (12880-20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

STATE OFFICE BUILDING, SPRINGFIELD,
L/WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 2-25-74

10. Property owner Charles Yantroy Well No. _____
 Address 7 Royal Oaks, Homewood, Ill.
 Driller B. R. Dell Drilling License No. 103-29
 11. Permit No. 27805 Date Feb. 22 1974
 12. Water from Limestone Formation 13. County Cook
 at depth 45 to 200 ft. Sec. 5
 14. Screen: Diam. _____ in. Twp. 35N
 Length: _____ ft. Slot _____ Rge. 14E
 Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5</u>	<u>Black 1.5 lbs</u>	<u>0</u>	<u>60</u>

SHOW LOCATION IN SECTION PLAT SE NW SW (permit)

16. Size Hole below casing: 5 in.
 17. Static level 45 ft. below casing top which is 2 ft. above ground level. Pumping level 84 ft. when pumping at 20 gpm for 4 hours. Submersible pump set at 84'.

18. FORMATIONS PASSED THROUGH	THICKNESS TOP	DEPTH OF BOTTOM
<u>Overburden</u>	<u>0</u>	<u>60</u>
<u>Rock Formation</u>	<u>60</u>	<u>200</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul K. Kierim DATE 2-28-74

COUNTY No. 24673

COOK

5-35N-14E

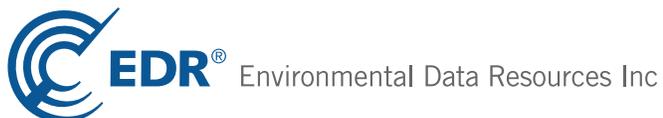
APPENDIX 3

ENVIRONMENTAL RADIUS MAP

W HOLBROOK RD
W HOLBROOK RD
Glenwood, IL 60425

Inquiry Number: 03957988.2r
May 30, 2014

The EDR Radius Map™ Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	28
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

W HOLBROOK RD
GLENWOOD, IL 60425

COORDINATES

Latitude (North): 41.5422000 - 41° 32' 31.92"
Longitude (West): 87.6267000 - 87° 37' 36.12"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 447726.3
UTM Y (Meters): 4598926.0
Elevation: 630 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 41087-E6 HARVEY, IL
Most Recent Revision: 1998

East Map: 41087-E5 CALUMET CITY, IL IN
Most Recent Revision: 1998

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SSU..... State Sites Unit Listing

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to
State Surcharge
LF SPECIAL WASTE..... Special Waste Site List
IL NIPC..... Solid Waste Landfill Inventory
CCDD..... Clean Construction or Demolition Debris

State and tribal leaking storage tank lists

LUST TRUST..... Underground Storage Tank Fund Payment Priority List
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Sites with Engineering Controls
INST CONTROL..... Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Municipal Brownfields Redevelopment Grant Program Project Descriptions

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CDL..... Meth Drug Lab Site Listing
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... State spills
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
US MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act

EXECUTIVE SUMMARY

FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells
NPDES.....	A Listing of Active Permits
HWAR.....	Hazard Waste Annual Report
DRYCLEANERS.....	Illinois Licensed Drycleaners
IMPDMNT.....	Surface Impoundment Inventory
AIRS.....	AIRS
TIER 2.....	Tier 2 Information Listing
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
Financial Assurance.....	Financial Assurance Information Listing
US FIN ASSUR.....	Financial Assurance Information
PIMW.....	Potentially Infectious Medical Waste
PRP.....	Potentially Responsible Parties
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
BOL.....	Bureau of Land Inventory Database
LEAD SMELTERS.....	Lead Smelter Sites
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH.....	Coal Ash Site Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat.....	EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank
RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ROLL SERVICE INC.</i>	<i>194221 SOUTH FOREST AVE</i>	<i>SSE 1/4 - 1/2 (0.442 mi.)</i>	<i>8</i>	<i>18</i>

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>LANDAUER INC</i>	<i>3 SCIENCE RD</i>	<i>NE 0 - 1/8 (0.112 mi.)</i>	<i>2</i>	<i>9</i>

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Illinois Environmental Protection Agency's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 04/08/2014 has revealed that there are 5

EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NICOR GAS GLENWOOD NFA/NFR Letter: 05/27/2004	19199 GLENWOOD CHICAGO	S 1/4 - 1/2 (0.350 mi.)	A4	12
P.I.E. NATIONWIDE INC. NFA/NFR Letter: 11/12/1993	430 WEST 194TH ST.	SSW 1/4 - 1/2 (0.351 mi.)	A5	14
TIETMEYER DISPOSAL NFA/NFR Letter: 11/21/1991	35 194TH ST.	S 1/4 - 1/2 (0.371 mi.)	6	14
ILLINOIS BELL TELEPHONE NFA/NFR Letter: 07/22/1999 NFA/NFR Letter: 03/01/2004	425 WEST 195TH ST.	S 1/4 - 1/2 (0.480 mi.)	9	21
SPEEDWAY #7410 NFA/NFR Letter: 02/15/2007	19301 SOUTH HALSTED	WSW 1/4 - 1/2 (0.498 mi.)	10	22

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Illinois State Fire Marshal's STC Facility List.

A review of the UST list, as provided by EDR, and dated 04/28/2014 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GLENWOOD PUBLIC WORKS	19100 GLENWOOD CHICAGO	NNW 0 - 1/8 (0.108 mi.)	1	8

State and tribal voluntary cleanup sites

SRP: Illinois Environmental Protection Agency, Site Remediation Program Database

A review of the SRP list, as provided by EDR, and dated 04/11/2014 has revealed that there are 2 SRP sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NICOR GAS	SW CORNER STATE AND 16T	S 1/4 - 1/2 (0.350 mi.)	A3	11
ROLL SERVICE INC	19421 S FOREST AVE	SSE 1/4 - 1/2 (0.391 mi.)	7	15

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2012 has revealed that there is 1 FUDS

EXECUTIVE SUMMARY

site within approximately 1 mile of the target property.

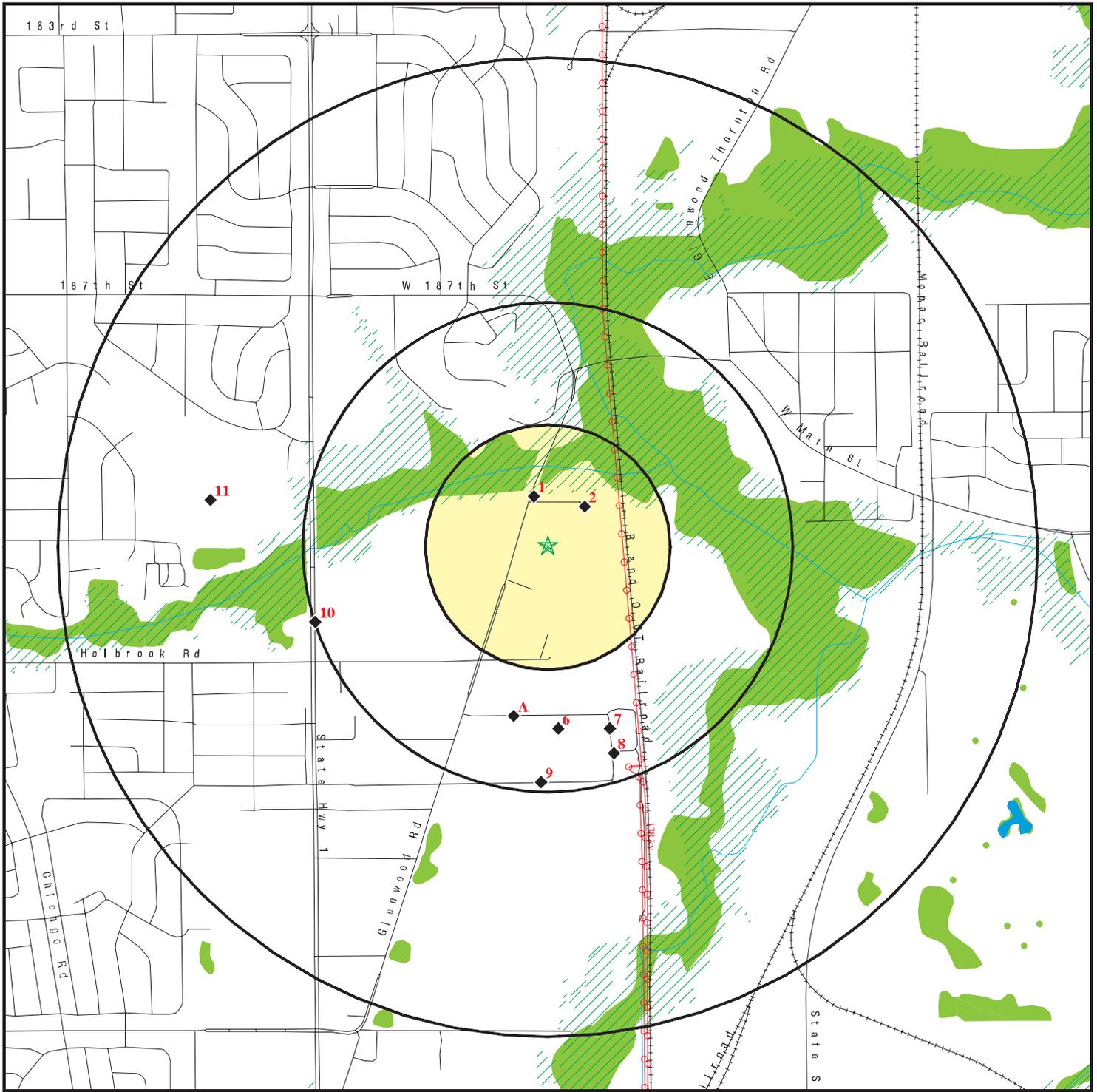
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NIKE C-49 - HOMEWOOD		W 1/2 - 1 (0.695 mi.)	11	27

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 9 records.

<u>Site Name</u>	<u>Database(s)</u>
LAMBRECHT PROPERTY-CCDD	CCDD
ALS SAND PIT	CERC-NFRAP
GLENWOODIE COUNTRY CLUB	LUST
AMOCO OIL CO. #18880	LUST
IDOT	UST
CHICAGO HEIGHTS RADIO	UST
FIRST STUDENT, INC. #12348	UST
AT&T	RCRA NonGen / NLR
3117 STATE STREET	US BROWNFIELDS

OVERVIEW MAP - 03957988.2r



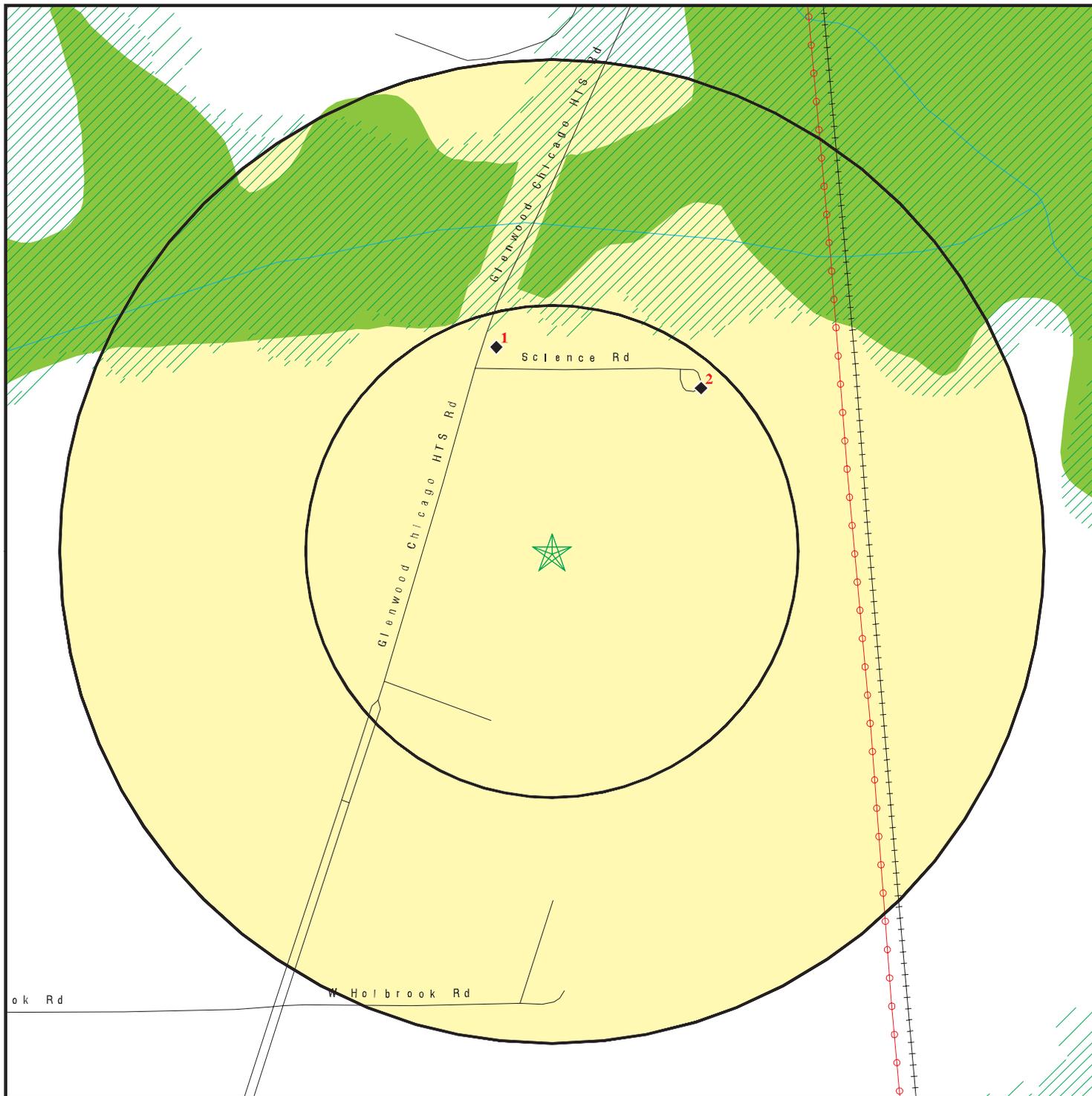
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines from USGS
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: W HOLBROOK RD
 ADDRESS: W HOLBROOK RD
 Glenwood IL 60425
 LAT/LONG: 41.5422 / 87.6267

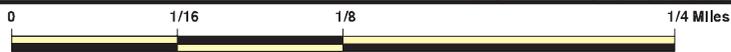
CLIENT: K-Plus Environmental, Inc.
 CONTACT: Jessica
 INQUIRY #: 03957988.2r
 DATE: May 30, 2014 9:55 am

DETAIL MAP - 03957988.2r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines from USGS
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ National Wetland Inventory



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: W HOLBROOK RD ADDRESS: W HOLBROOK RD Glenwood IL 60425 LAT/LONG: 41.5422 / 87.6267</p>	<p>CLIENT: K-Plus Environmental, Inc. CONTACT: Jessica INQUIRY #: 03957988.2r DATE: May 30, 2014 9:59 am</p>
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	1	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SSU	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
LF SPECIAL WASTE	0.500		0	0	0	NR	NR	0
IL NIPC	0.500		0	0	0	NR	NR	0
CCDD	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	5	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST TRUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
SRP	0.500		0	0	2	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	1	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
HWAR	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
IMPDMNT	0.500		0	0	0	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PIMW	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
BOL	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST	TP		NR	NR	NR	NR	NR	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

1
NNW
< 1/8
0.108 mi.
568 ft.

GLENWOOD PUBLIC WORKS
19100 GLENWOOD CHICAGO HEIGHTS RD
GLENWOOD, IL 60425

UST U001629486
N/A

Relative:
Lower

UST:

Facility ID: 2032626
Facility Status: CLOSED
Facility Type: CITY / TOWN
Owner Id: U0015753
Owner Name: Glenwood Village Of
Owner Address: 13 S Rebecca
Owner City,St,Zip: Glenwood, IL 60425

Actual:
623 ft.

Tank Number: 1
Tank Status: Removed
Tank Capacity: 6000
Tank Substance: Diesel Fuel
Last Used Date: 12/22/1998
OSFM First Notify Date: 10/4/1993
Red Tag Issue Date: Not reported
Install Date: 12/1/1988
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Self Service Permit Inspection Date: Not reported
Self Service Permit Expire Date: Not reported
Fee Due: \$0.00

Tank Number: 2
Tank Status: Removed
Tank Capacity: 6000
Tank Substance: Gasoline
Last Used Date: 12/22/1998
OSFM First Notify Date: 10/4/1993
Red Tag Issue Date: Not reported
Install Date: 12/1/1988
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Self Service Permit Inspection Date: Not reported
Self Service Permit Expire Date: Not reported
Fee Due: \$0.00

Tank Number: 3
Tank Status: Removed
Tank Capacity: 6000
Tank Substance: Gasoline
Last Used Date: 12/22/1998
OSFM First Notify Date: 10/4/1993
Red Tag Issue Date: Not reported
Install Date: 12/1/1988
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Self Service Permit Inspection Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GLENWOOD PUBLIC WORKS (Continued)

U001629486

Self Service Permit Expire Date: Not reported
Fee Due: \$0.00

Tank Number: 4
Tank Status: Removed
Tank Capacity: 600
Tank Substance: Heating Oil
Last Used Date: 12/22/1998
OSFM First Notify Date: 12/16/1998
Red Tag Issue Date: Not reported
Install Date: 12/1/1988
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Self Service Permit Inspection Date: Not reported
Self Service Permit Expire Date: Not reported
Fee Due: \$0.00

2
NE
< 1/8
0.112 mi.
593 ft.

LANDAUER INC
3 SCIENCE RD
GLENWOOD, IL 60425

RCRA-SQG 1000238373
FINDS ILD177870565

Relative:
Lower

RCRA-SQG:

Actual:
626 ft.

Date form received by agency: 09/10/2009
Facility name: LANDAUER INC
Facility address: 3 SCIENCE RD
GLENWOOD, IL 604251586
EPA ID: ILD177870565
Contact: ROBERT P GALLOY
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (707) 441-8458
Contact email: BGALLOY@LANDAUERINC.COM
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LANDAUER INC
Owner/operator address: 3 SCIENCE RD
GLENWOOD, IL 60425

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/1968
Owner/Op end date: Not reported

Owner/operator name: LANDAUER INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LANDAUER INC (Continued)

1000238373

Owner/operator address: 3 SCIENCE RD
GLENWOOD, IL 60425
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1968
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/01/2007
Facility name: LANDAUER INC
Site name: TECH/OPS LANDAUER INC
Classification: Small Quantity Generator

Date form received by agency: 12/28/2006
Facility name: LANDAUER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/19/2006
Facility name: LANDAUER INC
Classification: Large Quantity Generator

Date form received by agency: 04/01/2006
Facility name: LANDAUER INC
Site name: TECH OPS LANDAUER INC
Classification: Small Quantity Generator

Date form received by agency: 07/03/1990
Facility name: LANDAUER INC
Site name: TECH/OPS LANDAUER INC
Classification: Large Quantity Generator

Date form received by agency: 01/04/1989
Facility name: LANDAUER INC
Site name: TECH OPS LANDAUER INC
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LANDAUER INC (Continued)

1000238373

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D011
Waste name: SILVER

Waste code: D035
Waste name: METHYL ETHYL KETONE

Violation Status: No violations found

FINDS:

Registry ID: 110005851373

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

A3
South
1/4-1/2
0.350 mi.
1846 ft.

NICOR GAS
SW CORNER STATE AND 16TH STREETS
CHICAGO HEIGHTS, IL 60411

SRP S106635136
N/A

Site 1 of 3 in cluster A

Relative:
Lower

SRP:
IL EPA Id: 0310455190
US EPA Id: ILR000046144
Longitude: -87.61771
Latitude: 41.50202
Contact Name: Somali Tomczak
Contact Address: 1844 Ferry Road

Actual:
629 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NICOR GAS (Continued)

S106635136

Contact Address2: Not reported
 Contact City,St,Zip: Naperville, IL 60563-
 Contact Phone: (630) 983-8676
 Date Enrolled: 08/11/1998
 Point Of Contact: Kurt Blumer, P.E.
 Consultant Company: Parsons Engineering Science, Inc.
 Consultant Address: 1000 Jorie Boulevard
 Consultant Address2: Suite 250
 Consultant City,St,Zip: Oak Brook, IL 60521-
 Consultant Phone: (630) 990-7200
 Proj Mgr Assigned: Seul
 Sec. 4 Letter Date: Not reported
 NFR Recorded: Not reported
 Active: True
 Total Acres: 5.299
 No Further Remediation Letter Dt: Not reported
 Remediation Applicant Co: Nicor Gas
 Remediation Applicant Title: Ms.
 Remediation Applicant Name: Not reported
 Remediation Applicant Company: Not reported
 Remediation Applicant Address: Not reported
 Remediation Applicant Address 2: Not reported
 Remediation Applicant City,St,Zip: Not reported
 Illinois EPA: Not reported
 Site Name: Not reported
 NFR Letter: Not reported
 NFR Letter Date Recorded: Not reported
 Site Type: Not reported
 Comprehensive/Focused: Not reported
 Institutional Controls: Not reported
 Barrier: Not reported
 Worker Caution: Not reported
 Acres: Not reported

A4
 South
 1/4-1/2
 0.350 mi.
 1846 ft.

NICOR GAS GLENWOOD
19199 GLENWOOD CHICAGO HEIGHTS ROAD
GLENWOOD, IL 60425

LUST U000856438
UST N/A

Site 2 of 3 in cluster A

Relative:
Lower

LUST:

Incident Num: 981369
 IL EPA Id: 0311055001
 Product: Uset Oil
 IEMA Date: 06/09/1998
 Project Manager: Heaton
 Project Manager Phone: (217) 524-3312
 Email: Mike.Heaton@illinois.gov
 PRP Name: Nicor Gas Co.
 PRP Contact: Richard J. Tappan
 PRP Address: 1844 Ferry Rd.
 PRP City,St,Zip: Naperville, IL 60563
 PRP Phone: 6309838676
 Site Classification: LOW
 Section 57.5(g) Letter: 732
 Date Section 57.5(g) Letter: Not reported
 Non LUST Determination Letter: Not reported

Actual:
629 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NICOR GAS GLENWOOD (Continued)

U000856438

20 Report Received: 07/06/1998
45 Report Received: 07/30/1998
NFA/NFR Letter: 05/27/2004
NFR Date Recorded: 06/10/2004

UST:

Facility ID: 2001301
Facility Status: ACTIVE
Facility Type: UTILITY
Owner Id: U0011101
Owner Name: Nicor Gas
Owner Address: 1844 W. Ferry Road
Owner City,St,Zip: Naperville, IL 60563

Tank Number: 1
Tank Status: Currently in use
Tank Capacity: 10000
Tank Substance: Diesel Fuel
Last Used Date: Not reported
OSFM First Notify Date: 2/5/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: N005378
Green Tag Issue Date: 6/6/2012
Green Tag Expire Date: 12/31/2014
Self Service Permit Inspection Date: 6/6/2012
Self Service Permit Expire Date: 12/31/2014
Fee Due: \$0.00

Tank Number: 2
Tank Status: Currently in use
Tank Capacity: 10000
Tank Substance: Gasoline
Last Used Date: Not reported
OSFM First Notify Date: 2/5/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: N005378
Green Tag Issue Date: 6/6/2012
Green Tag Expire Date: 12/31/2014
Self Service Permit Inspection Date: 6/6/2012
Self Service Permit Expire Date: 12/31/2014
Fee Due: \$0.00

Tank Number: 3
Tank Status: Removed
Tank Capacity: 500
Tank Substance: Used Oil
Last Used Date: 6/9/1998
OSFM First Notify Date: 2/5/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: N005378
Green Tag Issue Date: 6/6/2012
Green Tag Expire Date: 12/31/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NICOR GAS GLENWOOD (Continued)

U000856438

Self Service Permit Inspection Date: **6/6/2012**
Self Service Permit Expire Date: **12/31/2014**
Fee Due: \$0.00

A5
SSW
1/4-1/2
0.351 mi.
1855 ft.

P.I.E. NATIONWIDE INC.
430 WEST 194TH ST.
GLENWOOD, IL 60425
Site 3 of 3 in cluster A

LUST S104524879
N/A

Relative:
Lower

LUST:

Actual:
629 ft.

Incident Num: 921510
IL EPA Id: 0311055019
Product: Gasoline
IEMA Date: 06/04/1992
Project Manager: Lambert, Tara
Project Manager Phone: Not reported
Email: Not reported
PRP Name: P.I.E. Nationwide Inc.
PRP Contact: Sylvia Lee
PRP Address: P.O. Box 2408
PRP City,St,Zip: Jacksonville, FL 32203
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 731
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 06/16/1992
45 Report Received: 08/27/1992
NFA/NFR Letter: 11/12/1993
NFR Date Recorded: Not reported

6
South
1/4-1/2
0.371 mi.
1957 ft.

TIWETMEYER DISPOSAL
35 194TH ST.
GLENWOOD, IL 60425

LUST S103689255
N/A

Relative:
Lower

LUST:

Actual:
628 ft.

Incident Num: 912586
IL EPA Id: 0311053001
Product: Deisel
IEMA Date: 09/12/1991
Project Manager: Irwin
Project Manager Phone: Not reported
Email: Not reported
PRP Name: Twietmeyer Disposal
PRP Contact: Hal Twietmeyer
PRP Address: 350 West 194th St.
PRP City,St,Zip: Glenwood, IL 60425
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 731
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 02/29/1992

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TWIETMEYER DISPOSAL (Continued)

S103689255

45 Report Received: 10/24/1991
NFA/NFR Letter: 11/21/1991
 NFR Date Recorded: Not reported

7
SSE
1/4-1/2
0.391 mi.
2066 ft.

ROLL SERVICE INC
19421 S FOREST AVE
GLENWOOD, IL 60425

HWAR **S110848774**
SRP **N/A**
BOL

Relative:
Lower

HWAR:

Actual:
625 ft.

USEPA Identification Number Of Company Submitting Report: ILD008852113
 BOL Inventory Number Of Company Submitting Report: 0311055008
 RCRA Generator Status 1=Lqg,2=Sqg,3=Cesqg,4=Nongenerator:4
 LQG Status Is For Current Year Only: X
 Company Is Importer Of Hazardous Waste: N
 Company Is A Mixed Waster Generator: N
 Company Is A Transporter Of Hazardous Waste: N
 Company Is A Treater, Storer Or Disposer Of Hazardous Waste: N
 Company Is A Recycler Of Hazardous Waste: N
 Company Has A Small Quantity On-Site Burner Exemption: N
 Company Has A Smelting, Melting, Refining Furnace Exemption: N
 Company Involvement With Underground Injection Control: N
 Destination Facility For Universal Waste: N
 Company Is A Used Oil Transporter: N
 Company Is A Used Oil Transfer Facility: N
 Company Is A Used Oil Processor: N
 Company Is A Used Oil Re-Refiner: N
 Company Is An Off-Specification Used Oil Burner: N
 Company Is Marketer Who Directs Shipment Of Off-Spec Use Oil: N
 Company Is Marketer 1st Claims Used Oil Meets The Spaces: N
 North American Industrial Classification System Code 1: 331221
 North American Industrial Classification System Code 2: Not reported
 North American Industrial Classification System Code 3: Not reported
 North American Industrial Classification System Code 4: Not reported
 Site Land Type [1-9 & Blank - See Book]: 1
 Owner Type [1-9 & Blank - See Book]: 1
 Date Company Became Owner: 07051985
 Operator Type [1-9 & Blank - See Book]: 1
 Date Company Became Operator: 07051985
 Comment Indicator Comments Not Part Of File: N
 Error Flag: Not reported
 Entry Date: 08/11/10
 Last Change Date: 00/00/00
 Previous Change Date: 00/00/00

Waste Generation and Management:

Year: 2009
 USEPA Id Number Of Company Submitting Report: ILD008852113
 BOL Inventory Num Of Company Submitting Report: 0311055008
 EPA Hazardous Waste Code: D007
 EPA Hazardous Waste Code: D002
 EPA Hazardous Waste Code: D001
 EPA Hazardous Waste Code: D008
 EPA Hazardous Waste Code: U210
 Source Code: G09
 Management Method [If Waste Is A Residual]: Not reported
 Form Code: W105

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ROLL SERVICE INC (Continued)

S110848774

Waste Minimization Code (X,N,S,R,Y): S
 Unit Of Measure[1-Gallon, 2-Cubic Yards, 3-Pounds]: 1
 Density In Pounds Per Gallon [Assumed Decimal 999999999.9]: 0900
 Quantity Generated In Current Reporting Year: 0000957250
 On-Site Management Indicator: N
 On-Site Management Method 1: Not reported
 On-Site Quantity 1 [Assumed Decimal 999999999.9]: 0000000000
 On-Site Management Method 2: Not reported
 On-Site Quantity 2 [Assumed Decimal 999999999.9]: 0000000000
 Off-Site Shipment Indicator: Y
 USEPA Id Number Of Company Shipped To 1: ILD000666206
 Off-Site Management Method 1 [Y Or N]: H010
 Quantity Shipped Off-Site 1 [Assumed Decimal 999999999.9]: 0000000733
 USEPA Id Number Of Company Shipped To 2: OHD000724153
 Off-Site Management Method 2: H141
 Quantity Shipped Off-Site 2 [Assumed Decimal 999999999.9]: 0000005500
 USEPA Id Number Of Company Shipped To 3: ARD069748192
 Off-Site Management Method 3: H050
 Quantity Shipped Off-Site 3 [Assumed Decimal 999999999.9]: 0000165000
 USEPA Id Number Of Company Shipped To 4: OKD065438376
 Off-Site Management Method 4: H010
 Quantity Shipped Off-Site 4 [Assumed Decimal 999999999.9]: 0000023500
 USEPA Id Number Of Company Shipped To 5: TXD055135388
 Off-Site Management Method 5: H050
 Quantity Shipped Off-Site 5 [Assumed Decimal 999999999.9]: 0000409000
 Comment Indicator Comments No Part Of File: N
 Y=After Review Override Normal Density Exceptions: Not reported
 Error Flag: A
 Entry Date: 08/11/10
 Last Change Date: 09/13/10
 Previous Change Date: 00/00/00

Transporter Identification:

USEPA Identification Number Of Company Submitting Report: ILD008852113
 Bol Inventory Number Of Company Submitting Report: 0311055008
 USEPA Identification Number Of Hauler 1: ILD000666206
 USEPA Identification Number Of Hauler 2: ALD067138891
 USEPA Identification Number Of Hauler 3: MAD039322250
 USEPA Identification Number Of Hauler 4: ILD981957236
 USEPA Identification Number Of Hauler 5: PAD987347515
 USEPA Identification Number Of Hauler 6: Not reported
 USEPA Identification Number Of Hauler 7: Not reported
 USEPA Identification Number Of Hauler 8: Not reported
 Hauler Permit Number Of Hauler 1: UPW06708501L
 Hauler Permit Number Of Hauler 2: UPW02327731L
 Hauler Permit Number Of Hauler 3: UPW01807431L
 Hauler Permit Number Of Hauler 4: UPW02327731L
 Hauler Permit Number Of Hauler 5: UPW0461965OH
 Hauler Permit Number Of Hauler 6: Not reported
 Hauler Permit Number Of Hauler 7: Not reported
 Hauler Permit Number Of Hauler 8: Not reported
 Comment Indicator [Comments Not Part Of File]: N
 Error Flag: Not reported
 Entry Date: 08/11/10
 Last Change Date: 00/00/00
 Previous Change Date: 00/00/00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLL SERVICE INC (Continued)

S110848774

SRP:

IL EPA Id: 0311055008
US EPA Id: ILD008852113
Longitude: -87.62371
Latitude: 41.53705
Contact Name: Kevin Welsh
Contact Address: 1 Asselborn Way
Contact Address2: Not reported
Contact City,St,Zip: Glenwood, IL 60425-
Contact Phone: (708) 753-2440
Date Enrolled: 05/13/2011
Point Of Contact: Matthew Mesarch, P.E.
Consultant Company: AECOM
Consultant Address: 27755 Diehl Road
Consultant Address2: Suite 100
Consultant City,St,Zip: Warrenville, IL 60555-
Consultant Phone: (630) 836-1700
Proj Mgr Assigned: Catlin
Sec. 4 Letter Date: Not reported
NFR Recorded: Not reported
Active: True
Total Acres: 3.100
No Further Remediation Letter Dt: Not reported
Remediation Applicant Co: Village of Glenwood
Remediation Applicant Title: Fire Chief
Remediation Applicant Name: Not reported
Remediation Applicant Company: Not reported
Remediation Applicant Address: Not reported
Remediation Applicant Address 2: Not reported
Remediation Applicant City,St,Zip: Not reported
Illinois EPA: Not reported
Site Name: Not reported
NFR Letter: Not reported
NFR Letter Date Recorded: Not reported
Site Type: Not reported
Comprehensive/Focused: Not reported
Institutional Controls: Not reported
Barrier: Not reported
Worker Caution: Not reported
Acres: Not reported

BOL:

Site Id: 170000023123
Inv Num: 0311055008
Interest Name: Roll Service Inc
Interest Type: BOL
Media Code: LAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

8
SSE
1/4-1/2
0.442 mi.
2333 ft.

ROLL SERVICE INC.
194221 SOUTH FOREST AVENUE
GLENWOOD, IL 60425

CERCLIS 1011487962
PRP ILN000510285

Relative:
Lower

CERCLIS:

Actual:
625 ft.

Site ID: 0510285
EPA ID: ILN000510285
Facility County: COOK
Short Name: ROLL SERVICE INC.
Congressional District: 02
IFMS ID: B5NR
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: R
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date: 04/09/08
Site Fips Code: 17031
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5273724.00000
Contact Name: JAIME BROWN
Contact Tel: (312) 886-2256
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

Alias Comments: Not reported

Site Description: On April 7, 2008, the MABAS Div. 24 fire personnel discovered three (3) pits (estimated 10, 000-gal ea.) containing acid at the purportedly abandoned facility known as Roll Services Inc. in Glenwood (Cook County), IL. The facility is located at 19421 Forest Avenue. MABAS Division 24 reported their findings to the IL Emergency Management Agency (IEMA Hazmat Report #H-2008-0451). During the ensuing discussions, the local officials requested that the IEPA dispose of the pits' contents.

CERCLIS Assessment History:

Action Code: 001
Action: ISSUE REQUEST LETTERS (104E)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLL SERVICE INC. (Continued)

1011487962

Date Started: //
Date Completed: 08/11/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ISSUE REQUEST LETTERS (104E)
Date Started: //
Date Completed: 08/11/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Notice Letters Issued
Date Started: //
Date Completed: 08/11/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: ISSUE REQUEST LETTERS (104E)
Date Started: //
Date Completed: 02/26/09
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: Notice Letters Issued
Date Started: //
Date Completed: 03/20/09
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLL SERVICE INC. (Continued)

1011487962

Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 05/12/09
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 05/12/09
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL
Date Started: 07/21/09
Date Completed: 12/22/09
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTRATIVE RECORDS
Date Started: 06/01/09
Date Completed: 03/30/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLL SERVICE INC. (Continued)

1011487962

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: / /
Date Completed: 03/30/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA In-House
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

[Click this hyperlink](#) while viewing on your computer to access
36 additional US CERCLIS Financial: record(s) in the EDR Site Report.

PRP:
PRP name: 19421 LLC.
19421 LLC.
GABRIEL ENVIRONMENTAL SERVICES
SCHULTZ INSURANCE AGENCY

9
South
1/4-1/2
0.480 mi.
2533 ft.

ILLINOIS BELL TELEPHONE
425 WEST 195TH ST.
GLENWOOD, IL 60425

LUST S104525593
N/A

Relative:
Lower

LUST:
Incident Num: 912733
IL EPA Id: 0311055016
Product: Unleaded Gas, Deisel
IEMA Date: 09/25/1991
Project Manager: Rossi
Project Manager Phone: (217) 782-9285
Email: Jenny.Rossi@illinois.gov
PRP Name: Illinois Bell Telephone
PRP Contact: Thomas Scheer
PRP Address: 900 North Villa
PRP City,St,Zip: Villa Park, IL 60181
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 731
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 11/04/1991
45 Report Received: 07/10/1992
NFA/NFR Letter: 07/22/1999
NFR Date Recorded: Not reported

Actual:
628 ft.

Incident Num: 900213
IL EPA Id: 0311055016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ILLINOIS BELL TELEPHONE (Continued)

S104525593

Product: Non Petro
IEMA Date: 01/23/1990
Project Manager: Boring
Project Manager Phone: (217) 558-4071
Email: Suzanne.Boring@illinois.gov
PRP Name: Illinois Bell Telephone DBA Ameritech
PRP Contact: Joni Nykiel
PRP Address: 36 South Fairview - 4th Floor - SBC Services, Envir. Mgt.
PRP City,St,Zip: Park Ridge, IL 60068
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 731
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: Not reported
45 Report Received: 03/12/1992
NFA/NFR Letter: 03/01/2004
NFR Date Recorded: 03/19/2004

10
WSW
1/4-1/2
0.498 mi.
2632 ft.

SPEEDWAY #7410
19301 SOUTH HALSTED
GLENWOOD, IL 60425

LUST U001133871
UST N/A

Relative:
Lower

LUST:

Actual:
625 ft.

Incident Num: 951392
IL EPA Id: 0311055011
Product: Gasoline
IEMA Date: 06/28/1995
Project Manager: Brockamp
Project Manager Phone: (217) 782-6762
Email: Not reported
PRP Name: Emro Marketing
PRP Contact: R.G. Schumann
PRP Address: P.O. Box 162
PRP City,St,Zip: East Hazel Crest, IL 60429-0162
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: 1997-04-18
20 Report Received: 07/03/1995
45 Report Received: 12/23/1996
NFA/NFR Letter: Not reported
NFR Date Recorded: Not reported

Incident Num: 962105
IL EPA Id: 0311055011
Product: Gasoline
IEMA Date: 11/12/1996
Project Manager: Jones
Project Manager Phone: (217) 524-1253
Email: Steve.Jones@illinois.gov
PRP Name: Speedway SuperAmerica
PRP Contact: Dan Strubel
PRP Address: Post Office Box 1500
PRP City,St,Zip: Springfield, OH 45501

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #7410 (Continued)

U001133871

PRP Phone: 9378643000
Site Classification: HIGH
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 11/19/1996
45 Report Received: 11/12/1998
NFA/NFR Letter: 02/15/2007
NFR Date Recorded: 04/06/2007

Incident Num: 962273
IL EPA Id: 0311055011
Product: Unleaded Gas
IEMA Date: 12/10/1996
Project Manager: Lambert, Tara
Project Manager Phone: Not reported
Email: Not reported
PRP Name: Emro Marketing
PRP Contact: Gene Poole
PRP Address: P.O. Box 162
PRP City,St,Zip: East Hazel Crest, IL 60429
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: 1996-12-19
20 Report Received: Not reported
45 Report Received: Not reported
NFA/NFR Letter: Not reported
NFR Date Recorded: Not reported

Incident Num: 982401
IL EPA Id: 0311055011
Product: Gasoline
IEMA Date: 09/28/1998
Project Manager: Jones
Project Manager Phone: (217) 524-1253
Email: Steve.Jones@illinois.gov
PRP Name: Speedway SuperAmerica
PRP Contact: Dan Strubel
PRP Address: Post Office Box 1500
PRP City,St,Zip: Springfield, OH 45501
PRP Phone: 9378643000
Site Classification: HIGH
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 10/01/1998
45 Report Received: 11/12/1998
NFA/NFR Letter: 02/15/2007
NFR Date Recorded: 04/06/2007

UST:

Facility ID: 2014559
Facility Status: ACTIVE
Facility Type: SELF-SERVICE STATION
Owner Id: U0026552

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #7410 (Continued)

U001133871

Owner Name: Speedway, LLC
Owner Address: P.O. Box 1500
Owner City,St,Zip: Springfield, OH 455011500

Tank Number: 1
Tank Status: Exempt from registration
Tank Capacity: 550
Tank Substance: Fuel Oil
Last Used Date: 12/1/1973
OSFM First Notify Date: 5/29/2002
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: O001852
Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: Not reported

Tank Number: 10
Tank Status: Currently in use
Tank Capacity: 4000
Tank Substance: Diesel Fuel
Last Used Date: Not reported
OSFM First Notify Date: 1/15/1999
Red Tag Issue Date: Not reported
Install Date: 10/2/1998
Green Tag Decal: O001852
Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: \$0.00

Tank Number: 11
Tank Status: Currently in use
Tank Capacity: 4000
Tank Substance: Kerosene
Last Used Date: Not reported
OSFM First Notify Date: 1/15/1999
Red Tag Issue Date: Not reported
Install Date: 10/2/1998
Green Tag Decal: O001852
Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: \$0.00

Tank Number: 2
Tank Status: Removed
Tank Capacity: 10000
Tank Substance: Gasoline
Last Used Date: 9/1/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #7410 (Continued)

U001133871

OSFM First Notify Date: 4/18/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: O001852
Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: \$0.00

Tank Number: 3
Tank Status: Removed
Tank Capacity: 10000
Tank Substance: Gasoline
Last Used Date: 9/7/1998
OSFM First Notify Date: 4/18/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: O001852
Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: \$0.00

Tank Number: 4
Tank Status: Removed
Tank Capacity: 6000
Tank Substance: Gasoline
Last Used Date: 9/1/1998
OSFM First Notify Date: 4/18/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: O001852
Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: \$0.00

Tank Number: 5
Tank Status: Removed
Tank Capacity: 6000
Tank Substance: Gasoline
Last Used Date: 9/1/1998
OSFM First Notify Date: 4/18/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: O001852
Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: \$0.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #7410 (Continued)

U001133871

Tank Number: 6
Tank Status: **Removed**
Tank Capacity: 6000
Tank Substance: Gasoline
Last Used Date: 9/1/1998
OSFM First Notify Date: 4/18/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: **O001852**
Green Tag Issue Date: **10/21/2013**
Green Tag Expire Date: **12/31/2015**
Self Service Permit Inspection Date: **10/21/2013**
Self Service Permit Expire Date: **12/31/2015**
Fee Due: \$0.00

Tank Number: 7
Tank Status: **Exempt from registration**
Tank Capacity: 550
Tank Substance: Used Oil
Last Used Date: 12/31/1973
OSFM First Notify Date: 9/29/1998
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: **O001852**
Green Tag Issue Date: **10/21/2013**
Green Tag Expire Date: **12/31/2015**
Self Service Permit Inspection Date: **10/21/2013**
Self Service Permit Expire Date: **12/31/2015**
Fee Due: \$0.00

Tank Number: 8
Tank Status: **Currently in use**
Tank Capacity: 15000
Tank Substance: Gasoline
Last Used Date: Not reported
OSFM First Notify Date: 1/15/1999
Red Tag Issue Date: Not reported
Install Date: 10/2/1998
Green Tag Decal: **O001852**
Green Tag Issue Date: **10/21/2013**
Green Tag Expire Date: **12/31/2015**
Self Service Permit Inspection Date: **10/21/2013**
Self Service Permit Expire Date: **12/31/2015**
Fee Due: \$0.00

Tank Number: 9
Tank Status: **Currently in use**
Tank Capacity: 10000
Tank Substance: Gasoline
Last Used Date: Not reported
OSFM First Notify Date: 1/15/1999
Red Tag Issue Date: Not reported
Install Date: 10/2/1998
Green Tag Decal: **O001852**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #7410 (Continued)

U001133871

Green Tag Issue Date: 10/21/2013
Green Tag Expire Date: 12/31/2015
Self Service Permit Inspection Date: 10/21/2013
Self Service Permit Expire Date: 12/31/2015
Fee Due: \$0.00

11
West
1/2-1
0.695 mi.
3671 ft.

NIKE C-49 - HOMEWOOD
HOMEWOOD, IL

FUDS 1007211490
N/A

Relative:
Lower

FUDS:

Actual:
628 ft.

Federal Facility ID: IL9799F2198
FUDS #: E05IL0071
INST ID: 59740
Facility Name: NIKE C-49 - HOMEWOOD
City: HOMEWOOD
State: IL
EPA Region: 05
County: COOK
Congressional District: 02
US Army District: Louisville District (LRL)
Fiscal Year: 2012
Telephone: 502-315-6768
NPL Status: Not Listed
RAB: Not reported
CTC: 315.8999
Current Owner: Local Government; Other Federal Government; State Government
Current Prog: Not reported
Future Prog: Not reported
Acreage: Not reported
Description: The 77.36-acre site was used by the Army for Nike antiaircraft missile defense for the Chicago metropolitan area. The housing and control area is located on the north side of 187th Street at Center Avenue in the Village of Homewood. The la
The site consisted of 45.95 fee acres (33.83 acres for the launcher area and 12.12 acres for the control and housing area) and 31.41 easement acres. Acquisition of 12.12 fee acres occurred on 1 October 1954, and 33.83 fee acres were acquire
Latitude: 41.54361111000
Longitude: -87.64000000000

Count: 9 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHICAGO HEIGHTS	U003193667	IDOT	RT 1/CHICAGO RD @ 15TH & 16TH	60411	UST
CHICAGO HEIGHTS	U003559041	CHICAGO HEIGHTS RADIO	196TH ST W OF GOVERNORS HWY 50	60411	UST
CHICAGO HEIGHTS	1002885783	ALS SAND PIT	RTE 30 E OF TORRENCE	60411	CERC-NFRAP
CHICAGO HTS	1004693248	AT&T	BALMER RD AND GOVERNOR STATE	60411	RCRA NonGen / NLR
GLENWOOD	S110848784	GLENWOODIE COUNTRY CLUB	193RD & STATE ST.	60425	LUST
GLENWOOD	U003795562	FIRST STUDENT, INC. #12348	19200 GLENWOOD CHICAGO HEIGHTS	60425	UST
GLENWOOD	S110359785	LAMBRECHT PROPERTY-CCDD	GLENWOOD DYER RD & FRONTAGE RD	60425	CCDD
GLENWOOD	S103689240	AMOCO OIL CO. #18880	15287 SOUTH HALSTED	60425	LUST
SOUTH CHICAGO HEIGHT	1012240859	3117 STATE STREET	NE CORNER OF SAUK & STATE STRE	60411	US BROWNFIELDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/11/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/26/2014	Source: Department of the Navy
Date Data Arrived at EDR: 02/28/2014	Telephone: 843-820-7326
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 05/19/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/04/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SSU: State Sites Unit Listing

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Date of Government Version: 05/01/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 05/01/2014	Telephone: 217-524-4826
Date Made Active in Reports: 05/16/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF WMRC: Waste Management & Research Center Landfill Database

The Waste Management & Research Center Landfill Database includes records from the Department of Public Health, Department of Mines & Minerals, Illinois Environmental Protection Agency, State Geological Survey, Northeastern Illinois Planning Commission and Pollution Control Board.

Date of Government Version: 12/31/2001	Source: Department of Natural Resources
Date Data Arrived at EDR: 10/06/2006	Telephone: 217-333-8940
Date Made Active in Reports: 11/06/2006	Last EDR Contact: 09/18/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/28/2009
	Data Release Frequency: No Update Planned

SWF/LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/31/2012	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 01/30/2014	Telephone: 217-785-8604
Date Made Active in Reports: 03/07/2014	Last EDR Contact: 05/02/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Annually

LF SPECIAL WASTE: Special Waste Site List

These landfills, as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois EPA Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste, Non-Regional Pollution Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollution Control Facility by RPCF, or Non-Regional Pollution Control Facility by Non-RPCF.

Date of Government Version: 01/01/1990	Source: Illinois EPA
Date Data Arrived at EDR: 06/17/2009	Telephone: 217-782-9288
Date Made Active in Reports: 07/15/2009	Last EDR Contact: 06/10/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

IL NIPC: Solid Waste Landfill Inventory

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/1988	Source: Northeastern Illinois Planning Commission
Date Data Arrived at EDR: 08/01/1994	Telephone: 312-454-0400
Date Made Active in Reports: 08/12/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CCDD: Clean Construction or Demolition Debris

Construction and demolition (C and D) debris is nonhazardous, uncontaminated material resulting from construction, remodeling, repair, or demolition of utilities, structures, and roads.

Date of Government Version: 04/28/2014	Source: Illinois EPA
Date Data Arrived at EDR: 04/29/2014	Telephone: 217-524-3300
Date Made Active in Reports: 05/15/2014	Last EDR Contact: 04/29/2014
Number of Days to Update: 16	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/08/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2014	Telephone: 217-782-6762
Date Made Active in Reports: 05/15/2014	Last EDR Contact: 04/29/2014
Number of Days to Update: 16	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

LUST TRUST: Underground Storage Tank Fund Payment Priority List

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner.

Date of Government Version: 03/28/2014	Source: Illinois EPA
Date Data Arrived at EDR: 04/30/2014	Telephone: 217-782-6762
Date Made Active in Reports: 05/16/2014	Last EDR Contact: 04/30/2014
Number of Days to Update: 16	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/13/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-7439
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 05/02/2014
Number of Days to Update: 184	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013	Source: EPA Region 4
Date Data Arrived at EDR: 11/26/2013	Telephone: 404-562-8677
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 02/21/2014
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 02/21/2014	Telephone: 913-551-7003
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/28/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013	Source: EPA Region 10
Date Data Arrived at EDR: 11/07/2013	Telephone: 206-553-2857
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/28/2014	Source: Illinois State Fire Marshal
Date Data Arrived at EDR: 04/30/2014	Telephone: 217-785-0969
Date Made Active in Reports: 05/15/2014	Last EDR Contact: 04/30/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 05/02/2014
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/21/2013	Source: EPA Region 4
Date Data Arrived at EDR: 11/26/2013	Telephone: 404-562-9424
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/13/2014	Source: EPA Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-6136
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/29/2014	Source: EPA Region 6
Date Data Arrived at EDR: 01/29/2014	Telephone: 214-665-7591
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 01/27/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 02/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 02/21/2014	Telephone: 913-551-7003
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 8
Date Data Arrived at EDR: 08/01/2013	Telephone: 303-312-6137
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 92	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 9
Date Data Arrived at EDR: 07/30/2013	Telephone: 415-972-3368
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 129	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/15/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Sites with Engineering Controls

Sites using of engineered barriers (e.g., asphalt or concrete paving).

Date of Government Version: 04/11/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2014	Telephone: 217-782-6761
Date Made Active in Reports: 05/14/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Quarterly

Inst Control: Institutional Controls

Legal or administrative restrictions on land use and/or other activities (e.g., groundwater use restrictions) which effectively limit exposure to contamination may be employed as alternatives to removal or treatment of contamination.

Date of Government Version: 04/11/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2014	Telephone: 217-782-6761
Date Made Active in Reports: 05/14/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

SRP: Site Remediation Program Database

The database identifies the status of all voluntary remediation projects administered through the pre-notice site cleanup program (1989 to 1995) and the site remediation program (1996 to the present).

Date of Government Version: 04/11/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2014	Telephone: 217-785-9407
Date Made Active in Reports: 05/14/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/17/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2013	Telephone: 617-918-1102
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/01/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Municipal Brownfields Redevelopment Grant Program Project Descriptions

The Illinois Municipal Brownfields Redevelopment Grant Program (MBRGP) offers grants worth a maximum of \$240,000 each to municipalities to assist in site investigation activities, development of cleanup objectives, and performance of cleanup activities. Brownfields are abandoned or underused industrial and/or commercial properties that are contaminated (or thought to be contaminated) and have an active potential for redevelopment.

Date of Government Version: 04/28/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2014	Telephone: 217-785-3486
Date Made Active in Reports: 05/14/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

BROWNFIELDS: Redevelopment Assessment Database

The Office of Site Evaluations Redevelopment Assessment database identifies the status of all properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a municipal Brownfield Redevelopment Assessment.

Date of Government Version: 04/28/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 04/30/2014	Telephone: 217-524-1658
Date Made Active in Reports: 05/14/2014	Last EDR Contact: 04/30/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/20/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/20/2014	Telephone: 202-566-2777
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 03/20/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/04/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 65

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Quarterly

CDL: Meth Drug Lab Site Listing

A listing of clandestine/meth drug lab locations.

Date of Government Version: 04/17/2014
Date Data Arrived at EDR: 04/22/2014
Date Made Active in Reports: 05/15/2014
Number of Days to Update: 23

Source: Department of Public Health
Telephone: 217-782-5750
Last EDR Contact: 04/14/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2013	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2014	Telephone: 202-366-4555
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/01/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

SPILLS: State spills

A listing of incidents reported to the Office of Emergency Response.

Date of Government Version: 04/25/2014	Source: Illinois EPA
Date Data Arrived at EDR: 04/29/2014	Telephone: 217-782-3637
Date Made Active in Reports: 05/16/2014	Last EDR Contact: 04/09/2014
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 07/18/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 71	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/13/2014	Telephone: 312-886-6186
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 03/13/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/05/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/28/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/29/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/09/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/10/2014	Telephone: 202-343-9775
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 04/09/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/18/2013	Source: EPA
Date Data Arrived at EDR: 02/27/2014	Telephone: (312) 353-2000
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 03/14/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/12/2013	Telephone: 202-564-8600
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Biennially

UIC: Underground Injection Wells

Injection wells are used for disposal of fluids by "injection" into the subsurface. The construction of injection wells range from very technical designs with twenty-four hour monitoring to simply a hole dug in the ground to control runoff. As a result of this diversity, the UIC Program divides injection wells into five different classes.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/04/2014
Number of Days to Update: 36

Source: Illinois EPA
Telephone: 217-782-9878
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

NPDES: A Listing of Active Permits

A listing of facilities currently active in the state. The types of permits are public, private, federal and state.

Date of Government Version: 04/16/2014
Date Data Arrived at EDR: 04/18/2014
Date Made Active in Reports: 05/20/2014
Number of Days to Update: 32

Source: Illinois EPA
Telephone: 217-782-0610
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

HWAR: Hazard Waste Annual Report

Each year, Illinois hazardous-waste generators tell the Illinois EPA the amounts and kinds of hazardous waste they produced during the previous year. Generators indicate by code the types of wastes produced and the steps they took to manage these wastes. If some or all of these wastes were sent to commercial treatment, storage, and disposal facilities (TSDFs), that information and the identity of each receiving facility also are submitted. Illinois TSDFs likewise report the types and quantities of wastes received from in-state and out-of-state generators; they also report the procedures they used to manage these wastes.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 04/11/2014
Date Made Active in Reports: 05/14/2014
Number of Days to Update: 33

Source: Illinois EPA
Telephone: 217-524-3300
Last EDR Contact: 04/10/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

DRYCLEANERS: Illinois Licensed Drycleaners

Any retail drycleaning facility in Illinois must apply for a license through the Illinois Drycleaner Environmental Response Trust Fund. Drycleaner Environmental Response Trust Fund of Illinois.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/26/2014
Date Made Active in Reports: 03/10/2014
Number of Days to Update: 12

Source: Drycleaner Environmental Response Trust Fund of Illinois
Telephone: 800-765-4041
Last EDR Contact: 05/28/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

IMPDMT: Surface Impoundment Inventory

Statewide inventory of industrial, municipal, mining, oil & gas, and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potential for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

Date of Government Version: 12/31/1980
Date Data Arrived at EDR: 03/08/2002
Date Made Active in Reports: 06/03/2002
Number of Days to Update: 87

Source: Illinois Waste Management & Research Center
Telephone: 217-333-8940
Last EDR Contact: 02/20/2002
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: AIRS

A listing of air permits and emissions information.

Date of Government Version: 12/31/2013	Source: Illinois EPA
Date Data Arrived at EDR: 04/18/2014	Telephone: 217-557-0314
Date Made Active in Reports: 05/13/2014	Last EDR Contact: 04/07/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2013	Source: Illinois Emergency Management Agency
Date Data Arrived at EDR: 02/18/2014	Telephone: 217-785-9860
Date Made Active in Reports: 03/10/2014	Last EDR Contact: 05/21/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/18/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 04/21/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 05/16/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/25/2014
	Data Release Frequency: Varies

COAL ASH: Coal Ash Site Listing

A listing of coal ash site locations.

Date of Government Version: 10/01/2011	Source: Illinois EPA
Date Data Arrived at EDR: 03/09/2012	Telephone: 217-782-1654
Date Made Active in Reports: 04/10/2012	Last EDR Contact: 03/07/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/14/2013	Telephone: 703-603-8787
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/04/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

BOL: Bureau of Land Inventory Database

Bureau of Land inventory for facility information. Data results are cross-linked with all on-line database system applications from IEPA - Bureau of Land as well as USEPA FRS database.

Date of Government Version: 03/04/2014	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 03/06/2014	Telephone: 217-785-9407
Date Made Active in Reports: 04/03/2014	Last EDR Contact: 03/03/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013	Source: EPA
Date Data Arrived at EDR: 07/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 04/04/2014
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/18/2014
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: N/A

PIMW: Potentially Infectious Medical Waste

Potentially Infectious Medical Waste (PIMW) is waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals.

Date of Government Version: 03/12/2014	Source: Illinois EPA
Date Data Arrived at EDR: 03/28/2014	Telephone: 217-524-3289
Date Made Active in Reports: 04/03/2014	Last EDR Contact: 03/24/2014
Number of Days to Update: 6	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-5962
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 03/31/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-5962
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 03/31/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2014	Telephone: 202-566-1917
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 05/16/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

Financial Assurance: Financial Assurance Information Listing

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/01/2013	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 06/07/2013	Telephone: 217-782-9887
Date Made Active in Reports: 07/26/2013	Last EDR Contact: 05/27/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/11/2014
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/02/2014
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/18/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2013	Telephone: 617-520-3000
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 05/16/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 08/25/2014
	Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Illinois.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Illinois Environmental Protection Agency in Illinois.

Date of Government Version: N/A	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Illinois Environmental Protection Agency in Illinois.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Illinois Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/23/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/28/2014
Date Data Arrived at EDR: 03/12/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012

Date Data Arrived at EDR: 08/09/2013

Date Made Active in Reports: 09/27/2013

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/17/2014

Next Scheduled EDR Contact: 06/30/2014

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Homes & Centers Listing

Source: Department of Children & Family Services

Telephone: 312-814-4150

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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APPENDIX 4

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