RS-8601-01

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10-28-85

EPA L2010 35002 POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	New Site

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
United Recovery	800 WATTS Avenue

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
ROCKTON	IL	61072	WINNEBAGO	201	16

09 COORDINATES LATITUDE	LONGITUDE	
422800.0	0890445.-	SOUTH BELOIT 7.5' Quad

10 DIRECTIONS TO SITE (Starting from nearest public road)
Section 13, R 12E, T46N, NE QUARTER, 3rd principal Meridian
SEE ATTACHED MAP

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
MR. Earnest H. Brown	5269 Rowena Drive

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
ROSCOE	IL	61073	( )

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
SAME	

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES DATE 05 08 80 (MONTH DAY YEAR)
☐ NO
11/08/83

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
_____ (BEGINNING YEAR) | Temporarily Closed (ENDING YEAR) ☒ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Oily waste, Heavy Metals, Sludge / Toxic, Volatile, persistant, Ignitable

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
GroundWATER (population/environment)
Vapor Release (population/environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☒ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Robert Wengrow - MANAGER	Region I Field Operations / LPC	(815) 987-7404

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
KENNETH L. PAGE	IEPA	HSCS	(217) 782-6760	10 22 85 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA Region 5 Records Ctr.
352021

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS
CUBIC YARDS UNKNOWN
NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	UNKNOWN	UNKNOWN	*
OLW	OILY WASTE	UNKNOWN	UNKNOWN	* 20,000 gallon capacity tanks onsite
SOL	SOLVENTS	UNKNOWN	UNKNOWN	Used to store oil
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	* 18,000 gallons of process waste water per week is discharge into a septic tank onsite.				
	* The final product of dried high speed steel alloy powder contains 3.2% chromium and 0.85% cobalt				
	* Xylene is the only solvent used onsite to clean machine parts				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

IEPA Division Files - LAND, Air + Water

EPA FORM 2070-12 (7-81)

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ✓ A. GROUNDWATER CONTAMINATION — 02 ✓ OBSERVED (DATE [illegible]) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >400 — 04 NARRATIVE DESCRIPTION

Area Residents wells found to have 1,1-Dichloroethylene and 1,1,1-Trichloroethane

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

01 ✓ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE) — ✓ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 9,000 — 04 NARRATIVE DESCRIPTION

Washing and Drying of Metal Grindings

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

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

01 ✓ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE) — ✓ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: (Acres) — 04 NARRATIVE DESCRIPTION

"WHEEL" A waste product left over after the processing, stored outside on ground between Buildings 1 + 2. Exceeded the Federal Standard for E.P. Tox on Chromium

01 ✓ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >400 — 04 NARRATIVE DESCRIPTION

SEE "A" ABOVE

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

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE:) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 9400 — 04 NARRATIVE DESCRIPTION

SEE A + G ABOVE

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

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

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

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

01 ☑ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☑ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Residue Run-offs into nearby county storm sewers and onto adjoining properties.

01 ☑ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☑ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Dumping into the drain in Bldg. 4 which goes into a septic tank

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☑ OBSERVED (DATE: 11-6-81) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION A hole approximately 6'x6'x2' was dug on the northwest edge of the property to catch all of the runoff water and oil.

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: 9,400

IV. COMMENTS

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

IEPA Division Files - Land, Air + Water

EXECUTIVE SUMMARY

United Recovery, formerly Soterian, L201035002, Air 201809AAH and Permit #8107077. This facility is an industrial waste processing plant located in Winnebago County and the City of Rockton.

This facility reclaims 499 mesh and finer high speed cuttings and the cooling oil. The wastes are received from Triumph Twist in Rhinelander, Wisconsin. The liquid separated from the steel powder consists of 50% oil, 45% water, and 5% gunk. The oil is used or sold for fuel. The water is recycled and the "gunk" is processed further into its constituent parts of 75% oil, 15% water, and 10% particulate matter (diatomoceous earth). The final product of dried high speed steel alloy powder contains among other materials up to 3.2% chromium and 0.85% cobalt. The waste is then dried, packaged and sold to the steel industry. Interstate Pollution Control, Inc. is the hauler of wastes from this facility.

Diatomoceous Earth referred to as "Wheel" was being stored in uncovered piles between Buildings 1 and 2. Barrels of waste water and spoiled raw materials were stored in the open at the northern edge of the property.

Between 16,000 to 18,000 gallons of process waste water per week is treated to normalize the pH level and remove floatable and settleable material.

The "treated" process waste water is then discharged to a septic tank between Buildings 1 and 2. The method of disposal is not approvable for industrial waste.

Two (2) water supply wells are on-site. One well is 50 deep, and the other is 160 feet deep. The facility only used the 160 feet deep well for fear of bacterial contamination from area septic systems.

Complaints about the company mostly concern air pollution, but oil spills and an alleged direct pumping of an unknown waste into a nearly dry well has been reported.

Beloit Corporation to the north and west of United Recovery has also been investigated. Three seepage lagoons on-site were found to contain volatile chlororganics. They (Beloit) admitted large amounts of VOCs were used in the past, but all are now eliminated from the facility.

Groundwater wells within the vicinity of these facilities (Beloit and United Recovery) are contaminated with the following chemicals: 1,1,1-trichloroethane, 1,1-dichloroethane, trichloroethylene and tetrachloroethylene. Quantities have differed from a trace to 1,000 parts per billion.

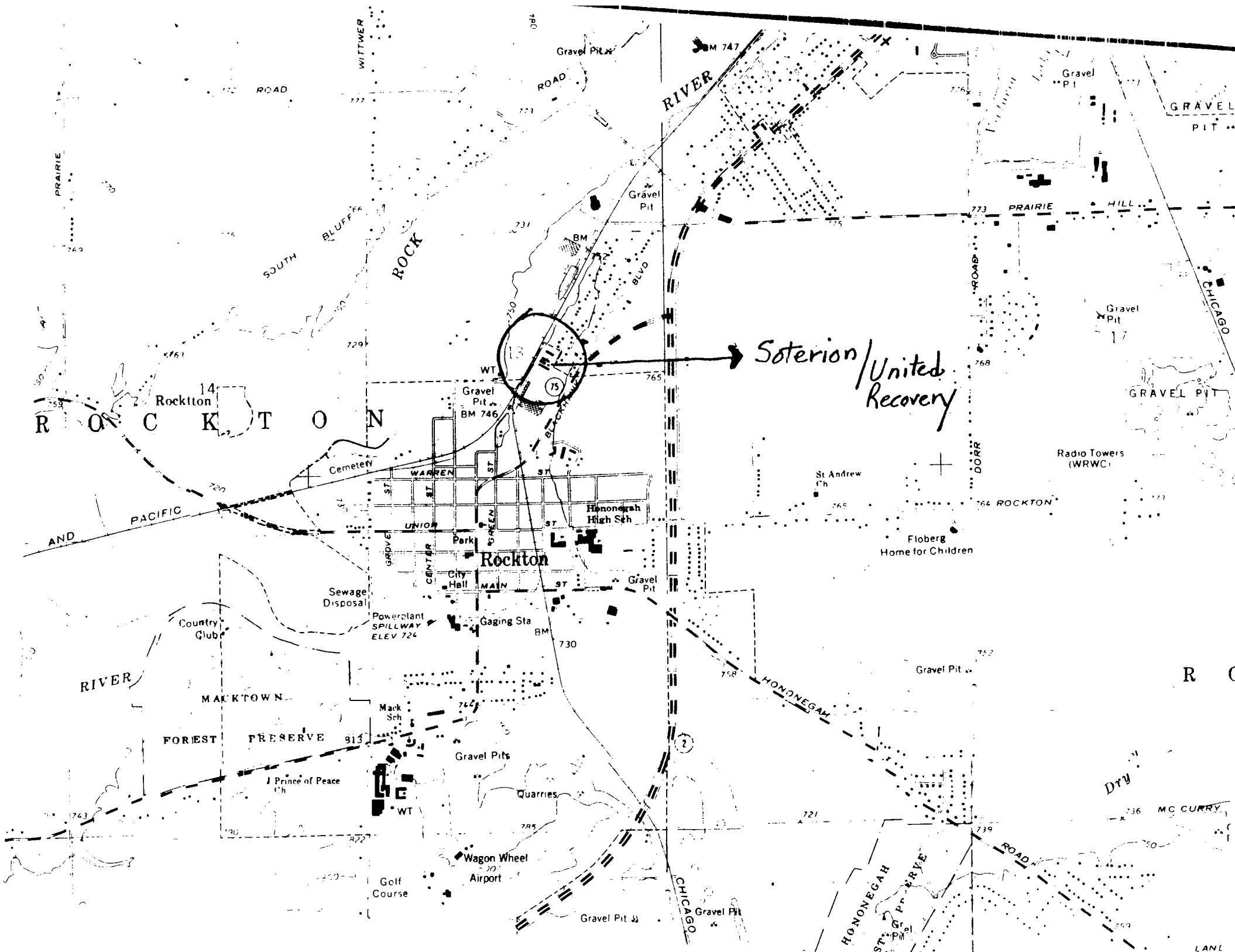
A groundwater monitoring program has been established in this area to assess the damage and potential source of contaminants.

United Recovery and Beloit Corporation should be reviewed together.

A high priority is assigned this site because of the now affected groundwater wells with the potential cancer causing compound, TCE.

KLP:cm:4/46

cc: Division File


Soterion/United Recovery
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Hononegah High Sch
Park
City Hall
Sewage Disposal
Powerplant
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GRAVEL PIT
St Andrew Ch
Floberg Home for Children
Radio Towers (WRWC)
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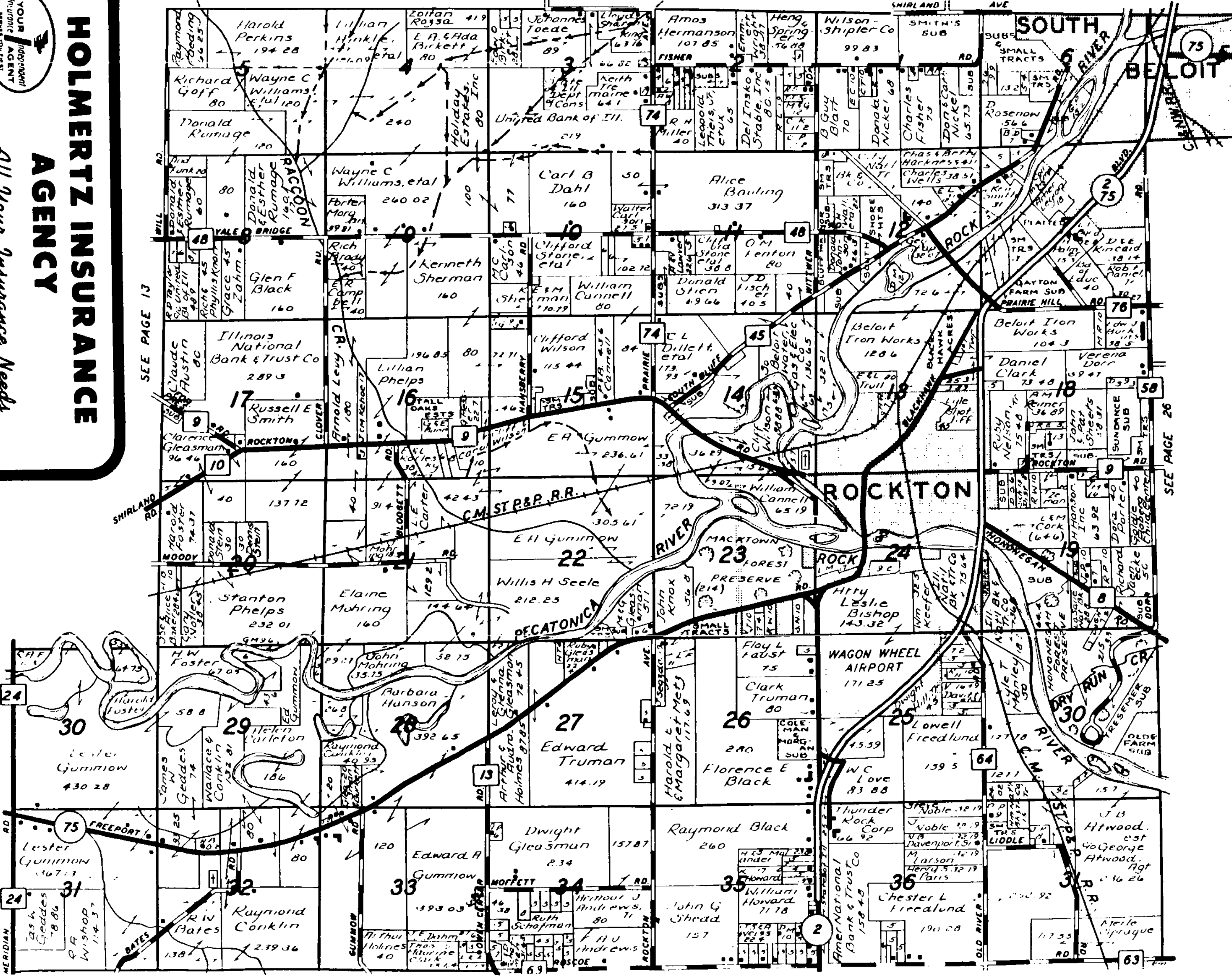
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