

**GIS REGISTRY INFORMATION**

SITE NAME: Outokumpu Wastewater Treatment PLT-SITE 2  
 BRRTS #: 02-30-271600 FID # (if appropriate): 230 001090  
 COMMERCE # (if appropriate): —  
 CLOSURE DATE: 01/27/2005  
 STREET ADDRESS: 65TH ST, S OF  
 CITY: KENOSHA

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 698592 Y= 235883

CONTAMINATED MEDIA: Groundwater  Soil  Both

OFF-SOURCE GW CONTAMINATION >ES:  Yes  No

IF YES, STREET ADDRESS 1: \_\_\_\_\_

GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):  Yes  No

IF YES, STREET ADDRESS 1: \_\_\_\_\_

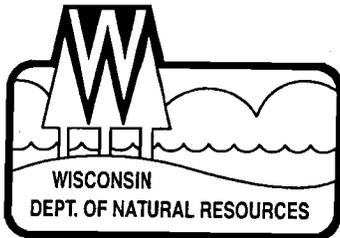
GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

CONTAMINATION IN RIGHT OF WAY:  Yes  No

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter issued
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties
- County Parcel ID number, if used for county, for all affected properties
- Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.
- Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour
- Geologic cross-sections, if required for SI. (8.5x14" if paper copy)
- RP certified statement that legal descriptions are complete and accurate
- Copies of off-source notification letters (if applicable)
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)
- Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure





## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8716  
TTY 414-263-8713

January 27, 2005

Ms. Martina Schlauch Jones  
TRC Environmental Corporation  
10 South Riverside Plaza, Suite 1770  
Chicago, IL 60606

File Ref: FID#230001090  
BRRTs#02-30-271600

Subject: Final Case Closure Letter for  
Former Outokumpu Wastewater Treatment Plant Facility  
1105 65<sup>th</sup> Street, Kenosha, Wisconsin

Dear Ms. Jones:

In October 2004, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On October 18, 2004, you were notified that conditional closure was granted to this case.

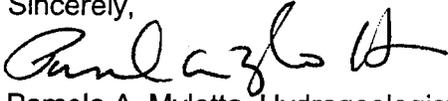
On November 23, 2004, the Department received correspondence indicating that you have complied with the conditions of closure. The correspondence documented that the groundwater monitor wells had been abandoned and a deed restriction had been filed, as required by the conditional closure letter. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time. Furthermore, the NR 140.28 PAL exemptions described in the conditional closure letter dated October 18, 2004 are now in effect.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>. If your property is listed on the GIS Registry due to groundwater contamination exceeding ch. NR 140 standards at the time of closure, and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at the web address listed above.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8758.

Sincerely,

A handwritten signature in black ink, appearing to read "Pamela A. Mylotta". The signature is fluid and cursive, with a large initial "P" and "M".

Pamela A. Mylotta, Hydrogeologist  
Remediation & Redevelopment Program  
Southeast Region

cc: Sharon Krewson Baker – City of Kenosha  
SER Casefile



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8716  
TTY 414-263-8713

October 18, 2004

Ms. Martina Schlauch Jones  
TRC Environmental Corporation  
10 South Riverside Plaza, Suite 1770  
Chicago, IL 60606

File Ref: FID#230001090  
BRRTs#02-30-271600

Subject: Conditional Case Closure With NR 140 Exemption  
Former Wastewater Treatment Plant, Former Outokumpu Facility  
1105 65<sup>th</sup> Street, Kenosha, Wisconsin

Dear Ms. Jones:

The Wisconsin Department of Natural Resources (WDNR) received your completed request for closure of the case described above on September 1, 2004. The closure request included a GIS Registry information packet and the required review and GIS Registry maintenance fees totaling \$1200. The WDNR reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the WDNR has determined that the chlorinated solvent and lead contamination on the site from the former Outokumpu wastewater treatment plant appears to have been investigated and remediated to WDNR standards in accordance with s. NR 726.05, Wis. Adm. Code. The remediation case will be closed if the following conditions are satisfied:

### **MONITORING WELL ABANDONMENT**

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at <http://www.dnr.state.wi.us/org/water/dwg/gw/> or provided by the WDNR.

### **DEED RESTRICTION FOR CONTAMINATED SOIL**

To close this site, the Department requires a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to limit the use of the contaminated property to industrial land uses. (See Option 2 in the model deed restriction in the appendix of PUB\_RR\_606, "Guidance on Case Close Out and the Requirements for Institutional Controls and VPLE Environmental Insurance.")

The Department of Natural Resources has reviewed the draft deed restriction document for completeness, and a copy with additional corrections is attached. Once you have finalized the deed restriction, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Kenosha County Register of Deeds. Then submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

Chapter NR 140, Wisconsin Administrative Code Exemptions. The following exemptions are required to be issued during case closure review when applicable.

1. Recent groundwater monitoring data at this site indicates exceedances of the NR 140 preventive action limit (PAL) for cis-1,2-dichloroethylene at monitoring wells MW-12WW and MW-114, but compliance with the NR 140 enforcement standard. The Department may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application.
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that the above criteria have been or will be met. The former wastewater treatment operations have ceased and the treatment facilities were removed from the property. No significant detections of chlorinated solvent compounds were found in the site soils. All but one round of groundwater samples had no detection of this compound. The impacted shallow groundwater cannot be developed for drinking water supplies and does not pose a direct contact threat. The down-gradient monitoring well at the site did not have any detection of this compound. Therefore, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, an exemption to the PAL is granted for cis-1,2-dichloroethylene at monitoring wells MW-12WW and MW-114. This letter serves as your exemption.

2. Recent groundwater monitoring data at this site indicates exceedances of the ch. NR 140, Wis. Adm. Code, enforcement standard for iron and manganese at monitoring wells MW-12WW, MW-114, and for lead at monitoring wells MW-12WW and MW-114.

The Department may grant an exemption for a substance of public welfare concern, or nitrate, pursuant to s. NR 140.28(4)(a), Wis. Adm. Code, if actions have been taken to achieve the lowest possible concentration for that substance which is technically and economically feasible and the existing or anticipated increase in the concentration of that substance does not present a threat to public health or welfare. The Department may grant an exemption for a substance of public health concern, pursuant to s. NR 140.28(4)(b), Wis. Adm. Code, if:

1. actions have been taken to achieve the lowest possible concentration for that substance which is technically and economically feasible,
2. the existing or anticipated increase in the concentration of that substance does not present a threat to public health or welfare, and
3. the existing or anticipated incremental increase in the concentration of the substance by itself, has not exceeded or will not exceed the preventive action limit.

Based on the information you provided, the Department believes that the above criteria have been or will be met. The former wastewater treatment operations have ceased and treatment facilities have been removed from the property. Iron, manganese and lead occur naturally in shallow soils in this area and are likely to be present in shallow groundwater. Lead has not been detected above the preventative action limit in all but one round of samples collected at the site. The down-gradient monitoring well at the site has not had an incremental increase in lead. The presence of these compounds in shallow groundwater does not pose a threat to public health or welfare.

Therefore, pursuant to s. NR 140.28(4)(a) and (b), Wis. Adm. Code, an exemption to the enforcement standard for iron and manganese at monitoring well locations MW-12WW, MW-114 and MW-13WW and for lead at MW-12WW and MW-114. This letter serves as your exemption.

Pursuant to s. NR 140.28(4)(c), Wis. Adm. Code, the department shall take action under s. NR 140.26 if it determines that an increase in concentration of iron, manganese or lead causes an increased threat to public health or welfare or it determines that the incremental increase in the concentration of lead, by itself, exceeds the preventive action limit.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8758.

Sincerely,



Pamela A. Mylotta, Hydrogeologist  
Remediation & Redevelopment Program  
Southeast Region

Enclosure

cc: Bill Phelps, DG/2  
Sharon Krewson Baker – City of Kenosha  
SER Casefile

**Declaration of Restrictions**

In Re: Former Wastewater Treatment Plant Property associated with Former Outokumpu Cooper Kenosha facility.

**Legal Description:**

That part of Block 25 described as follows: Beginning at the Northeast corner of said Block; thence South 0 Degrees 39 Minutes 10 Seconds East along said East line 291.33 feet; thence North 89 Degrees 45 Minutes 50 Seconds West parallel with the North line of said Block 114.02 feet; thence North 0 Degrees 14 Minutes 10 Seconds East 291.30 feet to the North line of said Block; thence South 89 Degrees 45 Minutes 50 Seconds East along the North line of said Block 109.50 feet to the point of beginning. In BOND AND STRONG'S ADDITION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

Address: 1105 65<sup>th</sup> Street, Kenosha, WI

*13*

Recording Area  
Name and Return Address:  
City of Kenosha  
Department of City Development  
625 52<sup>nd</sup> Street, Room 308  
Kenosha, WI 53140  
Attention: Sharon Krewson Baker

Parcel Identification Number  
05-123-06-156-023

WHEREAS, the City of Kenosha, Wisconsin, is the owner of the above-described property.

WHEREAS, one or more lead discharges may have occurred on this property, and as of April 1990, when soil samples were collected on this property, lead-contaminated soil remained on this property at the following locations: Above and below 4 feet depth, at sampling points T-7 and EB-8. See attached map (titled Figure 2 - Soil Sampling Results - PAHs and Metals).

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Soil samples that were collected on this property on April 13, 1990, contained lead in concentrations that exceeded NR 720.11, Table 2, Wisconsin Administrative Code, soil standards.

The property described above may not be used or developed for a residential, commercial, agricultural or other non-industrial use, unless (at the time that the non-industrial use is proposed) an investigation is conducted to determine the degree and extent of lead contamination that remains on the property and remedial action is taken as necessary to meet all applicable non-industrial soil clean-up standards. If contaminated soil that remains on the property is excavated in the future, it will have to be sampled and analyzed, may be considered solid or hazardous waste if residual contamination remains, and must be stored, treated and disposed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction insures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources (the Department) shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, John M. Antaramian and Jean A. Morgan assert that they are duly authorized to sign this document on behalf of the City of Kenosha, Wisconsin.

STATE OF WISCONSIN, }  
KENOSHA COUNTY }ss.

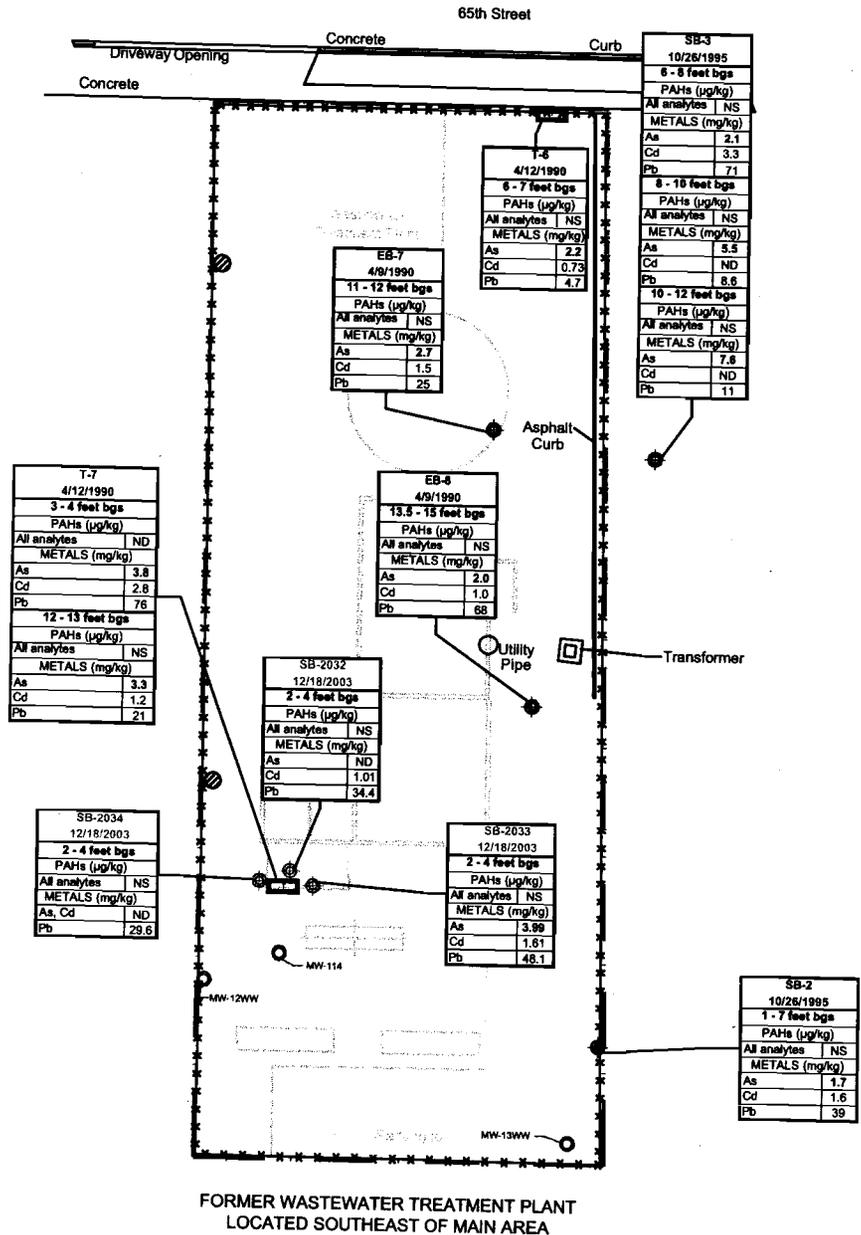
IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions this 5<sup>th</sup> day of November, 2004.

**COPY**

*[Signature]* (SEAL)  
John M. Antaramian, Mayor  
*[Signature]* (SEAL)  
Jean A. Morgan, City Clerk  
*[Signature]* (SEAL)  
Sharon Krewson Baker  
Notary Public, Kenosha County, WI  
My commission expires 02-13-05

This instrument was drafted by:  
Wisconsin Dept. of Natural Resources  
Revised by City of Kenosha/SK Baker

1 4 1 1 1 4 8  
DOCUMENT NUMBER  
RECORDED  
At Kenosha County, Kenosha, WI 53140  
Louise J. Principe, Register of Deeds  
on 11/05/2004 at 2:05PM  
40060071  
\$13.00  
REC'D  
RECORDED



SB-3	
10/26/1995	
6 - 8 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	2.1
Cd	3.3
Pb	71
8 - 10 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	3.5
Cd	ND
Pb	8.6
10 - 12 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	7.8
Cd	ND
Pb	11

7-5	
4/12/1990	
6 - 7 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	2.2
Cd	0.73
Pb	4.7

EB-7	
4/9/1990	
11 - 12 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	2.7
Cd	1.5
Pb	25

EB-6	
4/9/1990	
13.5 - 15 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	2.0
Cd	1.0
Pb	68

T-7	
4/12/1990	
3 - 4 feet bgs	
PAHs (µg/kg)	
All analytes	ND
METALS (mg/kg)	
As	3.8
Cd	2.8
Pb	76
12 - 13 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	3.3
Cd	1.2
Pb	21

SB-2032	
12/18/2003	
2 - 4 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	ND
Cd	1.01
Pb	34.4

SB-2034	
12/18/2003	
2 - 4 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As, Cd	ND
Pb	29.6

SB-2033	
12/18/2003	
2 - 4 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	3.98
Cd	1.81
Pb	48.1

SB-2	
10/26/1995	
1 - 7 feet bgs	
PAHs (µg/kg)	
All analytes	NS
METALS (mg/kg)	
As	1.7
Cd	1.6
Pb	39

### LEGEND

EB-2	Soil Boring ID
4/10/1990	Date Sampled
6 - 7.5 feet bgs	Sample Depth
METALS (mg/kg)	Analyte Group
As, Cd, Pb	Analyte Name(s)   Result

PAHs and METALS results in **bold** are above industrial RCL. For METALS, only As, Cd, and Pb results are posted.

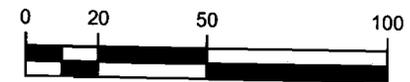
- bgs below ground surface
- mg/kg milligrams per kilogram
- µg/kg micrograms per kilogram
- ND Not Detected
- NS Not Sampled
- RCL Residual Contaminant Level
- As Arsenic
- Cd Cadmium
- Pb Lead
- PAHs Polycyclic Aromatic Hydrocarbons

- SOIL SAMPLING LOCATION, HISTORICAL
- SOIL SAMPLING LOCATION, 2003
- MONITORING WELL
- TRENCH
- PROPERTY LINE
- FENCE
- CATCH BASIN
- STRUCTURE, FORMER

NR 720 Metals RCLs (mg/Kg)		
	Non-Industrial	Industrial
Arsenic	0.039	1.6
Cadmium	8	510
Lead	50	500

Based on direct contact RCLs in NR 702.11, Table 2

Note: Property boundary was taken from survey completed by Surveying Associates, Inc. May 3, 2004, 29970 wtr.dwg.



SCALE IN FEET  
1" = 50'-0"

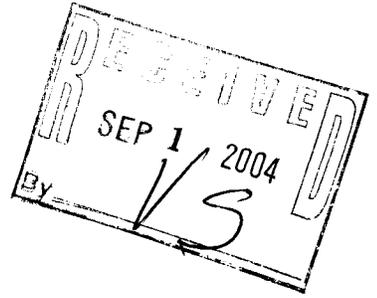
## SOIL SAMPLING RESULTS - PAHs AND METALS FORMER WASTEWATER TREATMENT PLANT FORMER OUTOKUMPU COPPER KENOSHA FACILITY KENOSHA, WISCONSIN

DRAWN BY:	MDH	DATE:	05/17/2004
PROJECT NO:	36266	DWG FILE:	11-04-36266

**TRC**  
Customer-Focused Solutions

10 SOUTH RIVERSIDE PLAZA  
SUITE 1770  
CHICAGO, IL 60606-3807  
312-879-0191

FIGURE  
2



## GIS REGISTRY PACKET

Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
1105 65<sup>th</sup> Street, Kenosha, Wisconsin

BRRTS# 02-30-2716000, FID# ~~230168180~~ 230001090  
Parcel Identification Number 05-4-123-06-156-023

Geographic Position: ~~N 773,873.41~~  
~~E 2,291,947.16~~

WTM = ~~698592~~, ~~235883~~  
698592, 235883

# Checklist of Documents for GIS Registry Packet

WI DNR, Bureau for Remediation and Redevelopment, PUB-RR-688

(Include with closure request – please assemble in this order. *This checklist applies to closure requests for sites with groundwater exceeding ch. NR 140 standards and/or soil contamination exceeding ch. NR 720 generic or site specific residual contaminant levels (RCLs).*)

- One-time fee of \$250.00 for groundwater, and/or
- \$200 for soil, for each case closed, for maintenance of the registry.
  
- Copies of the most recent deed including legal descriptions, for all properties within or partially within the contaminated site boundaries. (Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.)
- A copy of the certified surveyed map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot2 of xyz subdivision)) SEE DEED
- Parcel identification number for each property, if the county in which the property is located uses parcel identification numbers. SEE DEED
  
- Geographic position of all properties within or partially within the contaminated site boundaries. The coordinates need to be for a spot located at least 40 feet inside the property boundary. Refer to NR 716.15(2)(d)7, and (k). The coordinates must be in WTM91 projection. See the following WDNR website address for assistance: [www.dnr.state.wi.us/org/at/et/geo/gwur/index.htm](http://www.dnr.state.wi.us/org/at/et/geo/gwur/index.htm) . 698592, 235883
- A location map which outlines all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit the easy location of all parcels. If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200 feet of the site. (If only one parcel, combine with next item.) FIGURE 1
- A map of all contaminated properties within site boundaries, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. This map shall also show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 enforcement standards, and/or in relation to the boundaries of soil contamination exceeding generic or site-specific residual contaminant levels as determined under s. NR 720.09, 720.11 and 720.19. FIGURES 2-4
  
- A table of the most recent analytical results, with sample collection dates: from all monitoring wells, and any potable wells for which samples have been collected for groundwater, and/or showing results for all contaminants found in pre-remedial sampling and in the most recent soil sampling event, for soils (without shading/crosshatching). TABLES 1-4
- An isoconcentration map, if required as part of the site investigation (SI), of the contaminated properties within the site boundaries. The map should include the areal extent of groundwater contamination exceeding PALs and ESs, groundwater flow directions based on the most recent data, and sample collection dates. If an isoconcentration map was not required as part of the SI, substitute a map showing the horizontal extent of contamination, based on the most recent data. DATA POSTED, NO ISOCONCENTRATIONS
- A table of the previous 4 water level elevation measurements from all monitoring wells, at a minimum, with the date measurements were made, is to be included. If present, free product is to be noted on the table. In addition, a groundwater flow direction map, representative of groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, 2 groundwater flow maps showing the maximum variation in flow direction are to be submitted. TABLE 5 AND FIGURE 5
- For sites closing with residual soil contamination, include a map showing the location of all soil samples and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds generic or site specific residual contaminant levels. FIGURES 2 AND 3, NO CONTOUR
  
- A geologic cross section, if required as part of the SI, showing vertical extent and location of residual soil contamination exceeding generic or site specific RCLs and residual groundwater contamination, source extent and location; isoconcentrations for all groundwater contaminants that exceed PALs that remain when closure is requested; water table and piezometric elevations, and the location and elevation of geologic units, bedrock, and confining units, if any. NOT APPLICABLE
- A statement signed by the responsible party, which states that he or she believes that the legal descriptions attached to the statement are complete and accurate. (The point here is that the legal descriptions are describing the correct (i.e. contaminated) properties.)
  
- A copy of the letters sent by the RP to all owners of properties with groundwater exceeding ESs (including the current source-property owner, if the RP is not the current source-property owner.) (Off source properties are listed separately with a link to the source property.) NOT APPLICABLE
- A copy of all written notifications provided (to City/village/municipality/state agency or other responsible for maintenance) of a public street or highway or railroad right-of-way, within or partially within the boundaries of the contaminated site, for contamination exceeding groundwater ESs and/or soil exceeding generic or site specific RCLs. NOT APPLICABLE

**Notes on Deed and Legal Description of the Former Wastewater  
Treatment Plant Property, PIN 05-4-123-06-156-023**

The following deed and legal descriptions are for all properties belonging to the City of Kenosha formerly owned by Outokumpu Copper Kenosha, Inc. The Former Wastewater Treatment Plant Property corresponds to Parcel 1, which is also identified as Lot 3 on the General Location Maps provided by the City of Kenosha.

Document Number

STATE BAR OF WISCONSIN FORM 1 - 1999  
WARRANTY DEED

This Deed, made between OUTOKUMPU COPPER KENOSHA, INC.

Grantor, and THE CITY OF KENOSHA, WISCONSIN

Grantee.

Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate in KENOSHA County, State of Wisconsin (if more space is needed, please attach addendum):

(REFER TO ATTACHED LEGAL DESCRIPTION)

TRANSFER FEE EXEMPT: #2G

FEE EXEMPT

# 20

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except This conveyance is accepted by the Grantee subject to public easements and recorded restrictions on use running with the land or created by lawfully enacted zoning ordinances, together with such other matters which are either insured against or listed as \*\*

Dated this 11th day of March, 2002

OUTOKUMPU COPPER KENOSHA, INC.

\* BY: Warren Bartel  
WARREN BARTEL

\* President

\* BY: Richard N. Lyons  
Richard N. Lyons

\* Comptroller

AUTHENTICATION

Signature(s) \_\_\_\_\_

authenticated this \_\_\_\_\_ day of \_\_\_\_\_

TITLE: MEMBER STATE BAR OF WISCONSIN  
(If not, \_\_\_\_\_  
authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY  
JAMES CONWAY

(Signatures may be authenticated or acknowledged. Both are not necessary.)

\* Names of persons signing in any capacity must be typed or printed below their signature.

WARRANTY DEED

STATE BAR OF WISCONSIN  
FORM No. 1 - 1999

EARL T. ROBINSON  
NOTARY PUBLIC, STATE OF NEW YORK  
QUALIFIED IN ERIE COUNTY  
4/01 2003

DOCUMENT NUMBER  
1261561

WARRANTY DEED  
RECORDED  
At Kenosha County, Kenosha, WI  
Louise I. Princi, Registrar of Deeds  
on 3/28/2002 at 11:14AM  
20014849  
\$13.00  
RECEIVED

Recording Area

Name and Return Address  
CITY OF KENOSHA  
ATTENTION: ATTY. JAMES CONWAY  
MUNICIPAL BUILDING  
625-52ND STREET  
KENOSHA, WI 53140

(AS PER ATTACHED LISTING)

Parcel Identification Number (PIN)

This IS NOT \_\_\_\_\_ homestead property.

(is) (is not)

ACKNOWLEDGMENT

STATE OF NEW YORK

ERIE County ) ss.

Personally came before me this 11th day of March, 2002 the above named

Warren F. Bartel  
Richard N. Lyons  
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Earl T. Robinson  
Notary Public, State of New York  
My Commission is permanent. (If not, state expiration date: \_\_\_\_\_)

EARL T. ROBINSON  
Notary Public, State of New York, Form du Lac, WI  
800-886-3021  
4/01 2003

**LEGAL DESCRIPTION:**

**PARCEL 1:** That part of Block 25 described as follows: Beginning at the Northeast corner of said Block; thence South 0 Degrees 39 Minutes 10 Seconds East along said East line 291.33 feet; thence North 89 Degrees 45 Minutes 50 Seconds West parallel with the North line of said Block 114.02 feet; thence North 0 Degrees 14 Minutes 10 Seconds East 291.30 feet to the North line of said Block; thence South 89 Degrees 45 Minutes 50 Seconds East along the North line of said Block 109.50 feet to the point of beginning, in BOND AND STRONG'S ADDITION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-156-023

**PARCEL 2:** Lots 2, 3, 4 and 5 of BELL'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-205-013

**PARCEL 3:** Lots 10, 11, 12, 13 and 14, Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-207-022

**PARCEL 4:** Block 25 excepting therefrom the following: Beginning on the North line of said Block 79 feet East from the Northwest corner thereof; thence East along said North line 78 feet; thence South 100 feet; thence West 78 feet; thence North 100 feet to the point of beginning, of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1901 65<sup>th</sup> Street

Tax Key No.: 05-4-123-06-251-003

**PARCEL 5:** Block 26 in BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1501 63<sup>rd</sup> Street

Tax Key No.: 05-4-123-06-277-001

**PARCEL 6:** Lots 1, 2, 3, 4, 5, 6 and 7 in Block 2 of STRONG'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 111 68<sup>th</sup> Street

Tax Key No.: 05-4-123-05-332-001

**PARCEL 7:** Lots 2, 3, 4 and 5 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1420 63<sup>rd</sup> Street

Tax Key No.: 05-4-123-06-208-001

**PARCEL 8:** Lots 2, 3, 4 and 5 in Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-207-020

**PARCEL 9:** Lot 8 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-208-004

**PARCEL 10:** Lot 6 and the South 6 inches of Lot 7 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-208-002

**PARCEL 11:** The West 6.5 feet of Lot 6 and all of Lot 7 in Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1611 62<sup>nd</sup> Street

Tax Key No.: 05-4-123-06-207-006

\*(continued from front page) a typed exception under the owner's policy of title insurance in favor of and accepted by the Grantee, which policy shall be paid for by the Grantor.

WARRANTY DEED

Document Number

This Deed, made between OUTOKUMPU COPPER KENOSHA, INC.

Grantor, and THE CITY OF KENOSHA, WISCONSIN

Grantee.  
Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate in KENOSHA County, State of Wisconsin (if more space is needed, please attach addendum):

(REFER TO ATTACHED LEGAL DESCRIPTION)

TRANSFER FEE EXEMPT: #2G

Recording Area

Name and Return Address  
CITY OF KENOSHA  
ATTENTION: ATTY. JAMES CONWAY  
MUNICIPAL BUILDING  
625-52ND STREET  
KENOSHA, WI 53140

(AS PER ATTACHED LISTING)

Parcel Identification Number (PIN)

This IS NOT homestead property.  
(is) (is not)

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except This conveyance is accepted by the Grantee subject to public easements and recorded restrictions on use running with the land or created by lawfully enacted zoning ordinances, together with such other matters which are either insured against or listed as \*\*

Dated this 11th day of March, 2002

OUTOKUMPU COPPER KENOSHA, INC.

\* BY: [Signature]

\* President

\* BY: [Signature]

\* Comptroller

AUTHENTICATION

Signature(s) \_\_\_\_\_

authenticated this \_\_\_\_\_ day of \_\_\_\_\_

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, \_\_\_\_\_ authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY  
JAMES CONWAY

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF NEW YORK )  
 ) ss.  
ERIE County )

Personally came before me this 11th day of March, 2003 the above named

[Signatures]  
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

\* [Signature]  
Notary Public, State of New York  
My Commission is permanent. (If not, state expiration date: \_\_\_\_\_)

4/01, 2003

\* Names of persons signing in any capacity must be typed or printed below their signature.

STAPLE ATTACHMENTS HERE

# Wisconsin Real Estate Transfer Return - Confidential



To complete see *Instructions for Real Estate Transfer Return PE-500A*.

Submit original form to Register of Deeds with document(s) to be recorded. Completely fill in all appropriate areas. TYPE or PRINT clearly in BLACK INK, and use ALL UPPERCASE LETTERS. If typing form, type through vertical character lines.

**I. GRANTOR (Seller)** If more than ONE (1) grantor, check box at left and list on attached addendum. Note: Lines 67-72 must be completed with grantor's address.

1. Your Last Name or Company Name **OUTOKUMPU COPPER KENOSHA, INC.** Note: For this purpose a married couple is one grantor if same last name (see line 2).

2. Your First Name(s) and Middle Initial(s) - If a married couple, show both first names and middle initials.

3. Social Security Number or FEIN **39 17 1 4 2 5 5**

**II. GRANTEE (Buyer)** If more than ONE (1) grantee, check box at left and list on attached addendum.

4. Your Last Name or Company Name **THE CITY OF KENOSHA, WISCONSIN** Note: For this purpose a married couple is one grantee if same last name (see line 5).

5. Your First Name(s) and Middle Initial(s) - If a married couple, show both first names and middle initials.

6. Social Security Number or FEIN **396005481**

7. Street or Fire Number, if any **625** 7a. Street Name, PO Box, or Other Address (enter "PO Box" and Box Number) **52ND STREET**

8. City **KENOSHA** 9. State **WI** 10. Zip Code **53140**

TO RECEIVE TAX BILL AT ANOTHER ADDRESS, check here and complete Section X, page 2.

**III. PROPERTY TRANSFERRED** 11. Indicate:  City  Village  Town  Check if additional parcels and list on attached addendum.

12. Name of the City/Village/Town **KENOSHA** 13. County Name **KENOSHA**

14. Physical Property Address or Road Address (description) **REFER TO ATTACHED LISTING**

15. Tax Parcel Number as it appears on Property Tax bill (see instructions) **REFER TO ATTACHED LISTING**

16. Property Description: lot - block - plat, Certified Survey Map (CSM), or other designation; if description will not fit here, add attachment (see instructions) **REFER TO ATTACHED LISTING**

17a. Section (primary) **6** 17b. Township (primary) **1** 17c. Range (primary) **23** X Check here if more than one lot and block, or if legal description is metes and bounds or certified survey map; attach legal description as an addendum (see instructions).

**IV. COMPUTATION OF FEE OR STATEMENT OF EXEMPTION**

18. Total value of REAL ESTATE transferred (round up to the nearest \$100) **\$ 2,972,600 =** IN WHOLE DOLLARS

19. Transfer fee due (line 18 X .003) **\$ - 0 -** DOLLARS CENTS

20. Transfer Exemption Number, SEC 77.25 **26** 20a. If you enter "003" or "017," it is mandatory to provide your previous document number.

20b. Date of Original Land Contract MONTH DAY YEAR

21. Value of personal property transferred but EXCLUDED from line 18. **\$** IN WHOLE DOLLARS

22. Value of property exempt from local property tax INCLUDED on line 18. **\$** IN WHOLE DOLLARS

**V. TO BE COMPLETED BY AUTHORIZED COUNTY/LOCAL OFFICIAL**

23. Document Number 24. Volume/Jacket 25. Page/Image 26. Date Recorded MONTH DAY YEAR 27. Date of Conveyance MONTH DAY YEAR

28. Conveyance Code Warranty/Condo Deed Land Contract Quit Claim Deed Other (explain) →

29. County (1) 30. Municipality (1) 31. County (2) 32. Municipality (2)

33. Is this a split parcel? (see instructions) Yes No

34. Enter number of acres for each parcel classification and check a preceding box to show predominant classification.

1 (Residential)	2 (Commercial)	3 (Manufacturing)	4 (Agricultural)	5 (Swamp & Waste)	6 (Forest)	7 (Other)
1	2	3	4	5	6	7

35. Assessment Year 36. Land \$ 37. Improvements \$ 38. Total Assessment \$

PARCEL 1: That part of Block 25 described as follows: Beginning at the Northeast corner of said Block; thence South 0 Degrees 39 Minutes 10 Seconds East along said East line 291.33 feet; thence North 89 Degrees 45 Minutes 50 Seconds West parallel with the North line of said Block 114.02 feet; thence North 0 Degrees 14 Minutes 10 Seconds East 291.30 feet to the North line of said Block; thence South 89 Degrees 45 Minutes 50 Seconds East along the North line of said Block 109.50 feet to the point of beginning, in BOND AND STRONG'S ADDITION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-156-023

PARCEL 2: Lots 2, 3, 4 and 5 of BELL'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-205-013

PARCEL 3: Lots 10, 11, 12, 13 and 14, Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-207-022

PARCEL 4: Block 25 excepting therefrom the following: Beginning on the North line of said Block 79 feet East from the Northwest corner thereof; thence East along said North line 78 feet; thence South 100 feet; thence West 78 feet; thence North 100 feet to the point of beginning, of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1901.65<sup>th</sup> Street

Tax Key No.: 05-4-123-06-251-003

PARCEL 5: Block 26 in BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1501 63<sup>rd</sup> Street

Tax Key No.: 05-4-123-06-277-001

PARCEL 6: Lots 1, 2, 3, 4, 5, 6 and 7 in Block 2 of STRONG'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 111 68<sup>th</sup> Street

Tax Key No.: 05-4-123-05-332-001

PARCEL 7: Lots 2, 3, 4 and 5 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1420 63<sup>rd</sup> Street

Tax Key No.: 05-4-123-06-208-001

PARCEL 8: Lots 2, 3, 4 and 5 in Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-207-020

PARCEL 9: Lot 8 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-208-004

PARCEL 10: Lot 6 and the South 6 inches of Lot 7 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Tax Key No.: 05-4-123-06-208-002

PARCEL 11: The West 6.5 feet of Lot 6 and all of Lot 7 in Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

NOTE: Address: 1611 62<sup>nd</sup> Street

Tax Key No.: 05-4-123-06-207-006

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**Lot 1, General Location Map**  
**Parcel No. 05-4-123-06-251-003**  
**Address: 1901 - 65<sup>th</sup> Street**

**Legal Description:** Block 25 excepting therefrom the following: Beginning on the North line of said Block 79 feet East from the Northwest corner thereof; thence East along said North line 78 feet; thence South 100 feet; thence West 78 feet; thence North 100 feet to the point of beginning, of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

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**Lot 2, General Location Map**  
**Parcel No. 05-4-123-06-277-001**  
**Address: 1501 - 63<sup>rd</sup> Street**

**Legal Description:** Block 26 in BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

---

**Lot 3, General Location Map**  
**Parcel No. 05-4-123-06-156-023**

**Legal Description:** That part of Block 25 described as follows: Beginning at the Northeast corner of said Block; thence South 0 Degrees 39 Minutes 10 Seconds East along said East line 291.33 feet; thence North 89 Degrees 45 Minutes 50 Seconds West parallel with the North line of said Block 114.02 feet; thence North 0 Degrees 14 Minutes 10 Seconds East 291.30 feet to the North line of said Block; thence South 89 Degrees 45 Minutes 50 Seconds East along the North line of said Block 109.50 feet to the point of beginning, in BOND AND STRONG'S ADDITION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

---

**Lot 4, General Location Map**  
**Parcel No. 05-4-123-06-208-004**

**Legal Description:** Lot 8 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

---

**Lot 5, General Location Map**  
**Parcel No. 05-4-123-06-208-002**

**Legal Description:** Lot 6 and the South 6 inches of Lot 7 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

---

**Lot 6, General Location Map**  
**Parcel No. 05-4-123-06-208-001**  
**Address: 1420 - 63<sup>rd</sup> Street**

**Legal Description:** Lots 2, 3, 4 and 5 in Block 16 of EHLE'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

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**Lot 7, General Location Map**  
**Parcel No. 05-4-123-06-207-020**

**Legal Description:** Lots 2, 3, 4 and 5 in Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

---

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**Lot 8, General Location Map**  
**Parcel No. 05-4-123-06-207-022**

**Legal Description:** Lots 10, 11, 12, 13 and 14, Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

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**Lot 9, General Location Map**  
**Parcel No. 05-4-123-06-207-006**  
**Address: 1611 - 62<sup>nd</sup> Street**

**Legal Description:** The West 6.5 feet of Lot 6 and all of Lot 7 in Block 17 of BOND'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

---

---

**Lot 10, General Location Map**  
**Parcel No. 05-4-123-06-205-013**

**Legal Description:** Lots 2, 3, 4 and 5 of BELL'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

---

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**Lot 11, General Location Map**  
**Parcel No. 05-4-123-05-332-001**  
**Address: 111 - 68<sup>th</sup> Street**

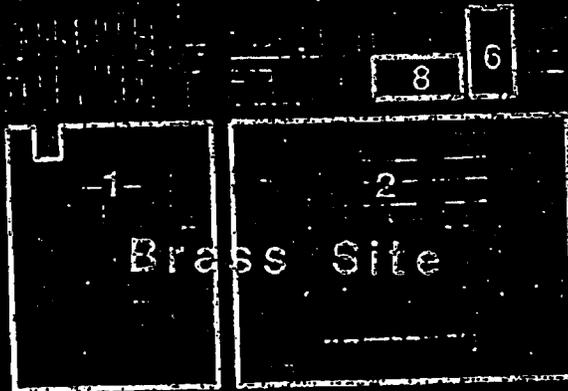
**Legal Description:** Lots 1, 2, 3, 4, 5, 6 and 7 in Block 2 of STRONG'S SUBDIVISION, a subdivision of record, lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

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CITY OF KENOSHA  
General Location Map

Uptown

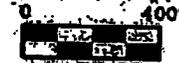


Frost  
Site



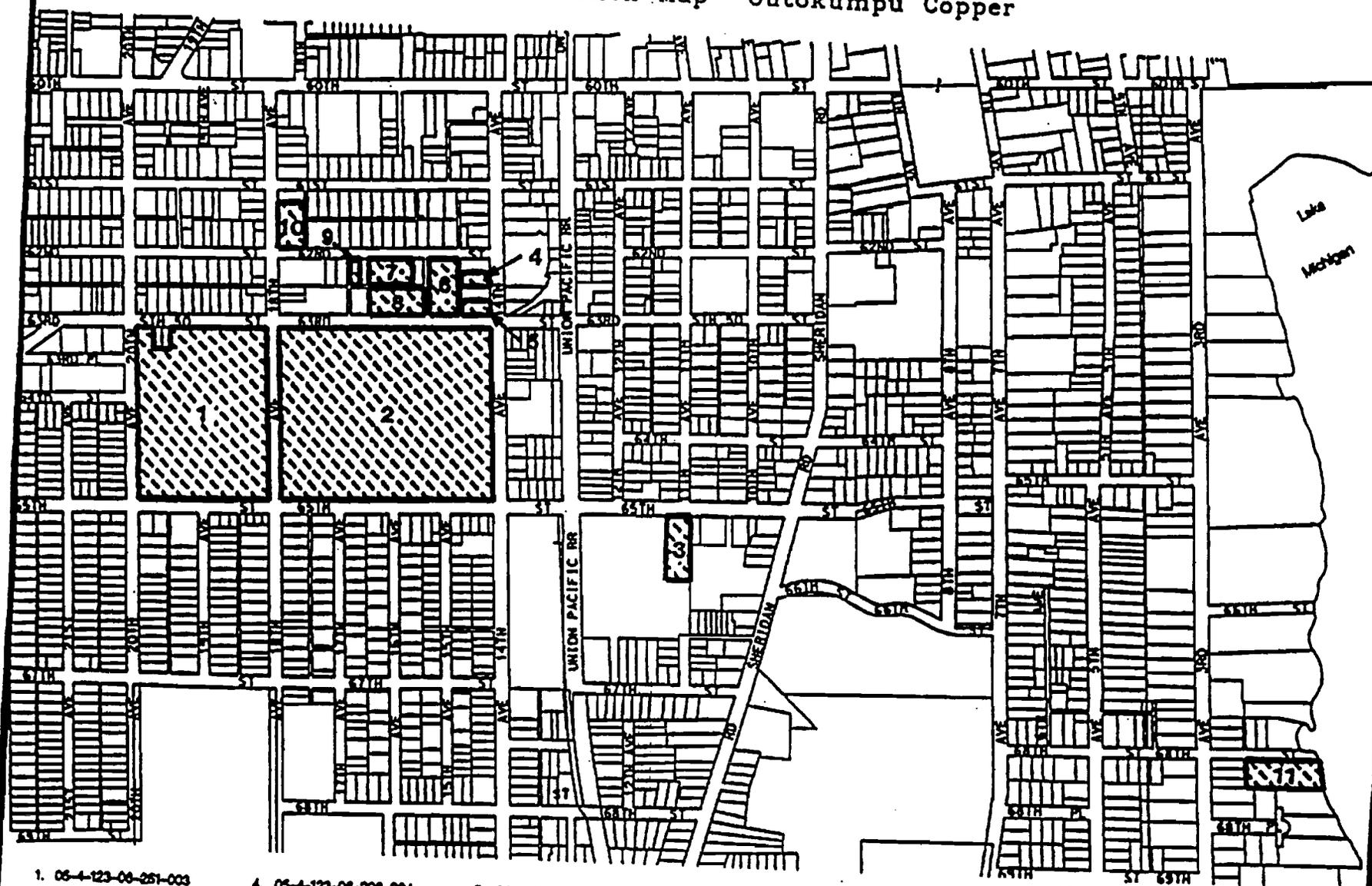
NORTH

DCD - City Plan Division - RAF - 1/8/02 - ms

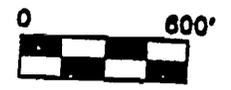


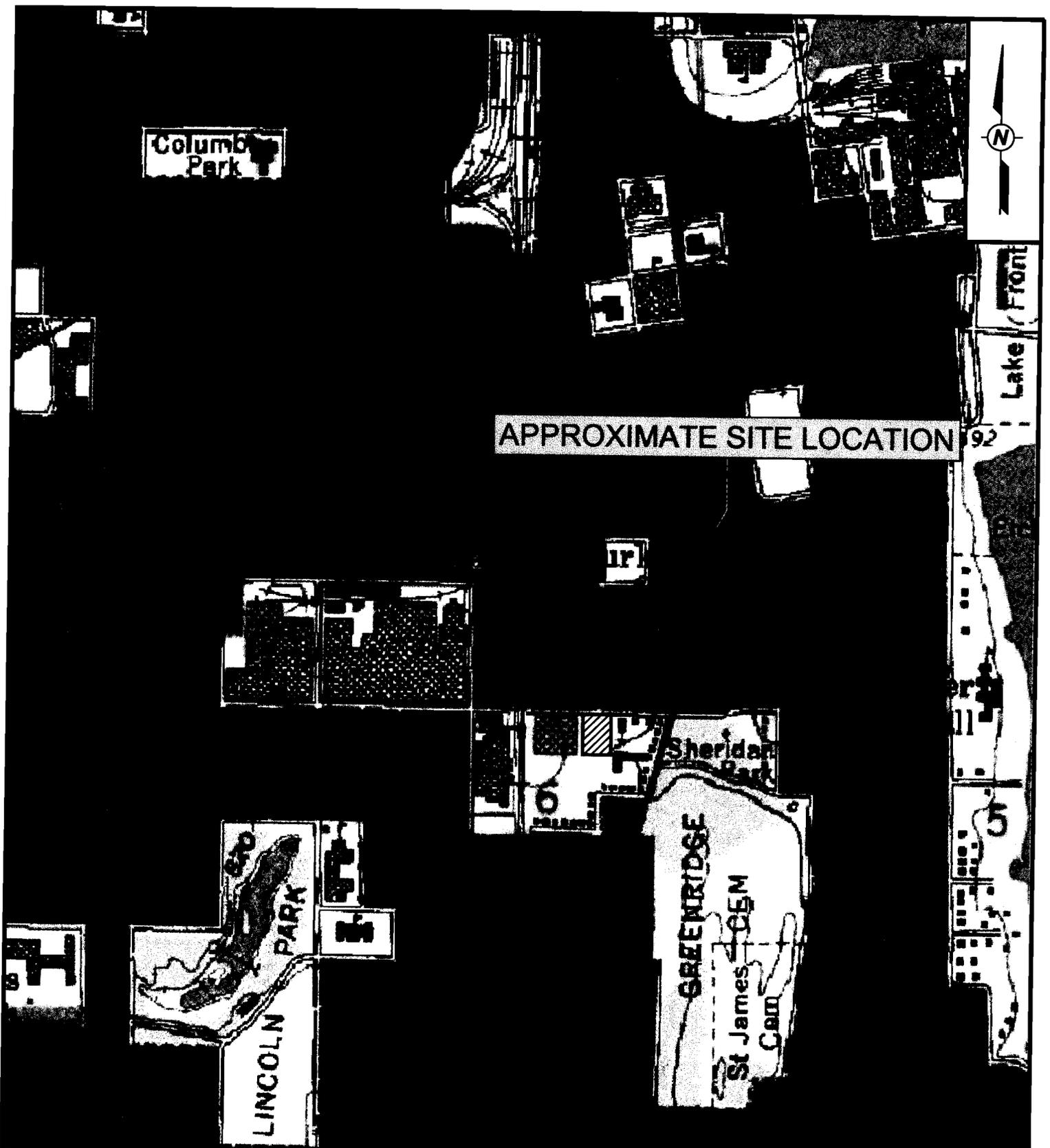
# City of Kenosha

## General Location Map - Outokumpu Copper



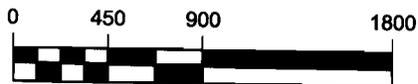
- |                        |                        |                        |                         |
|------------------------|------------------------|------------------------|-------------------------|
| 1. 05-4-123-06-251-003 | 4. 05-4-123-06-208-004 | 7. 05-4-123-06-207-020 | 10. 05-4-123-06-205-013 |
| 2. 05-4-123-06-277-001 | 5. 05-4-123-06-208-002 | 8. 05-4-123-06-207-022 | 11. 05-4-123-05-332-001 |
| 3. 05-4-123-06-158-023 | 6. 05-4-123-06-208-001 | 9. 05-4-123-06-207-006 |                         |





NOTE: NO WATER WELLS ARE WITHIN 1,200 FEET OF THE SITE.

GEOGRAPHIC POSITION: N 773,873.41  
E 2,291,947.16



SCALE IN FEET  
1" = 900'-0"

SOURCE: 1978 USGS KENOSHA, WISCONSIN QUADRANGLE TOPOGRAPHIC MAP 7.5 MINUTE SERIES

**SITE LOCATION MAP**  
**FORMER WASTEWATER TREATMENT PLANT**  
**FORMER OUTOKUMPU COPPER KENOSHA FACILITY**  
**KENOSHA, WISCONSIN**

DRAWN BY:	MDH	DATE:	08/04/2004
PROJECT NO:	36266	DWG FILE:	12-04-36266

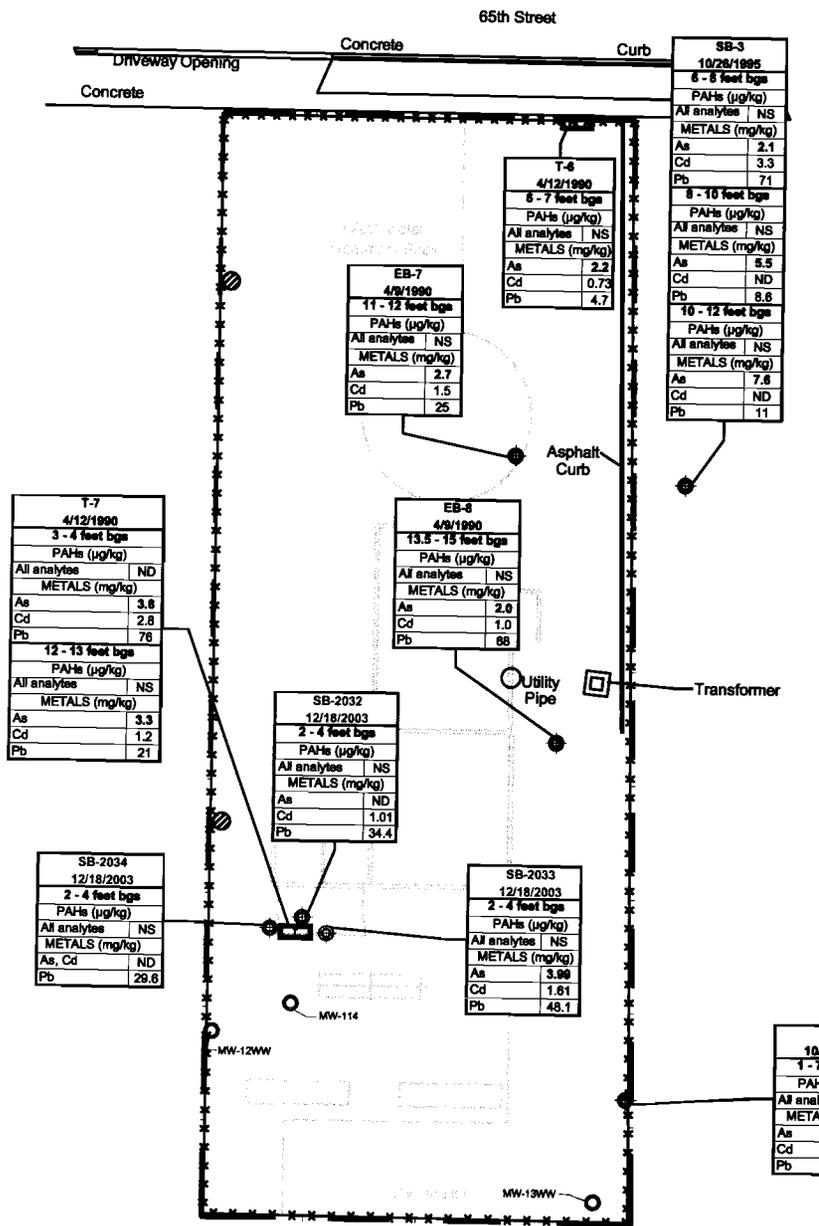
**TRC**

*Customer-Focused Solutions*

10 SOUTH RIVERSIDE PLAZA  
SUITE 1770  
CHICAGO, IL 60606-3807  
312-879-0191

FIGURE

1



FORMER WASTEWATER TREATMENT PLANT  
LOCATED SOUTHEAST OF MAIN AREA

### LEGEND

EB-2	Soil Boring ID
4/10/1990	Date Sampled
6 - 7.5 feet bgs	Sample Depth
METALS (mg/kg)	Analyte Group
As, Cd, Pb	Analyte Name(s)   Result
ND	

PAHs and METALS results in bold are above industrial RCL.  
For METALS, only As, Cd, and Pb results are posted.

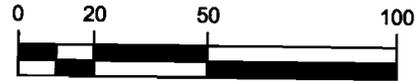
- bgs below ground surface
- mg/kg milligrams per kilogram
- µg/kg micrograms per kilogram
- ND Not Detected
- NS Not Sampled
- RCL Residual Contaminant Level
- As Arsenic
- Cd Cadmium
- Pb Lead
- PAHs Polycyclic Aromatic Hydrocarbons

- ◆ SOIL SAMPLING LOCATION, HISTORICAL
- SOIL SAMPLING LOCATION, 2003
- MONITORING WELL
- ▭ TRENCH
- — — — — PROPERTY LINE
- \*\*\*\*\* FENCE
- ⊗ CATCH BASIN
- ▭ STRUCTURE, FORMER

NR 720 Metals RCLs (mg/kg)		
	Non-Industrial	Industrial
Arsenic	0.039	1.6
Cadmium	8	510
Lead	50	500

Based on direct contact RCLs in NR 702.11, Table 2

Note: Property boundary was taken from survey completed by Surveying Associates, Inc. May 3, 2004, 29970 wtr.dwg.



SCALE IN FEET  
1" = 50'-0"

## SOIL SAMPLING RESULTS - PAHs AND METALS FORMER WASTEWATER TREATMENT PLANT FORMER OUTOKUMPU COPPER KENOSHA FACILITY KENOSHA, WISCONSIN

DRAWN BY:	MDH	DATE:	05/17/2004
PROJECT NO:	36286	DWG FILE:	11-04-36286

<p>Customer-Focused Solutions</p>	10 SOUTH RIVERSIDE PLAZA SUITE 1770 CHICAGO, IL 60606-3807 312-879-0191	FIGURE <b>2</b>
-----------------------------------	--	--------------------

SB-3	10/28/1995	6 - 8 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	2.1	
Cd	3.3	
Pb	71	
8 - 10 feet bgs		
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	5.5	
Cd	ND	
Pb	8.6	
10 - 12 feet bgs		
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	7.6	
Cd	ND	
Pb	11	

T-6	4/12/1990	6 - 7 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	2.2	
Cd	0.73	
Pb	4.7	

EB-7	4/9/1990	11 - 12 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	2.7	
Cd	1.5	
Pb	25	

EB-8	4/9/1990	13.5 - 15 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	2.0	
Cd	1.0	
Pb	68	

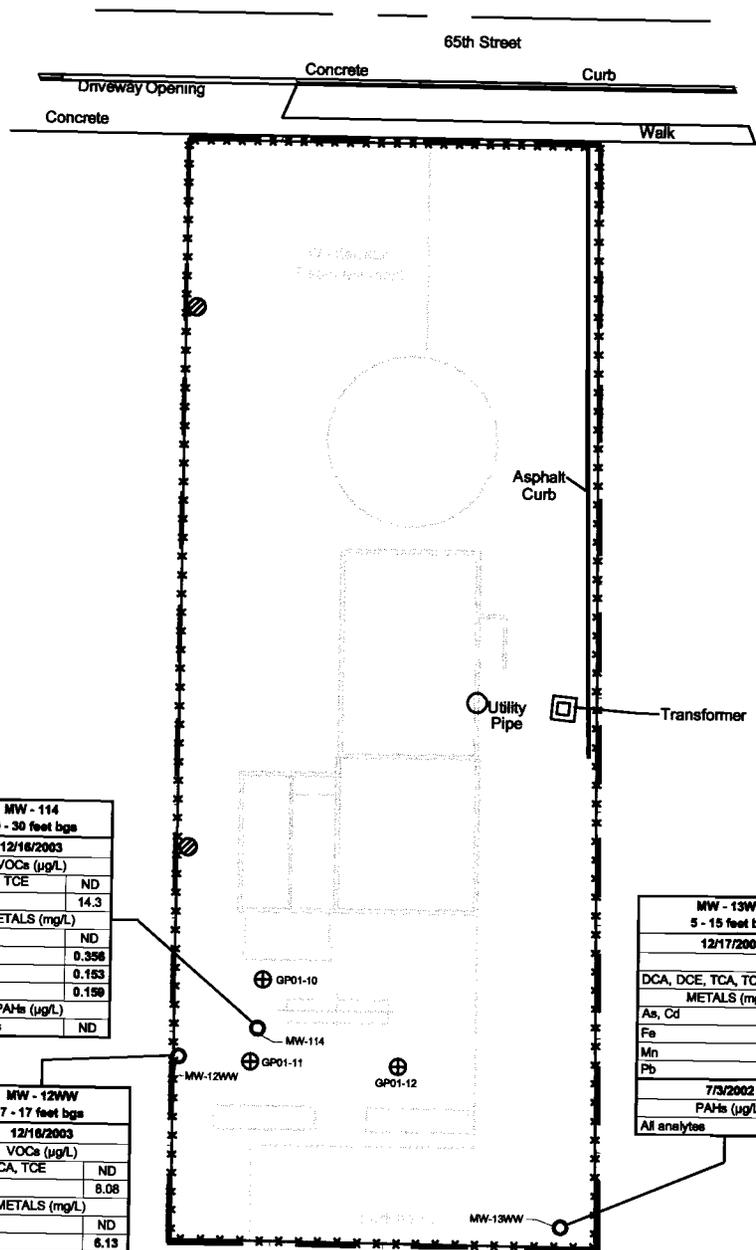
T-7	4/12/1990	3 - 4 feet bgs
PAHs (µg/kg)		
All analytes	ND	
METALS (mg/kg)		
As	3.6	
Cd	2.8	
Pb	76	
12 - 13 feet bgs		
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	3.3	
Cd	1.2	
Pb	21	

SB-2032	12/18/2003	2 - 4 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	ND	
Cd	1.01	
Pb	34.4	

SB-2034	12/18/2003	2 - 4 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As, Cd	ND	
Pb	28.6	

SB-2033	12/18/2003	2 - 4 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	3.99	
Cd	1.61	
Pb	48.1	

SB-2	10/26/1995	1 - 7 feet bgs
PAHs (µg/kg)		
All analytes	NS	
METALS (mg/kg)		
As	1.7	
Cd	1.8	
Pb	39	



<b>MW - 114</b>	
20 - 30 feet bgs	
12/16/2003	
VOCs (µg/L)	
DCA, TCA, TCE	ND
DCE	14.3
METALS (mg/L)	
As, Cd	ND
Fe	0.356
Mn	0.153
Pb	0.158
PAHs (µg/L)	
All analytes	ND

<b>MW - 12WW</b>	
7 - 17 feet bgs	
12/16/2003	
VOCs (µg/L)	
DCA, TCA, TCE	ND
DCE	8.08
METALS (mg/L)	
As, Cd	ND
Fe	6.13
Mn	1.60
Pb	0.0253
7/9/2002	
PAHs (µg/L)	
All analytes	ND

<b>MW - 13WW</b>	
5 - 15 feet bgs	
12/17/2003	
DCA, DCE, TCA, TCE	
ND	
METALS (mg/L)	
As, Cd	ND
Fe	7.77
Mn	4.12
Pb	0.0131
7/9/2002	
PAHs (µg/L)	
All analytes	ND

FORMER WASTEWATER TREATMENT PLANT  
LOCATED SOUTHEAST OF MAIN AREA

### LEGEND

<b>MW - 1</b>	Well ID
19.5 - 29.5 feet bgs	Screened Interval
10/18/1998	Date Sampled
VOCs (µg/L)	Analyte Group
DCA, DCE, TCA, TCE   ND	Analyte Name Result

For VOCs, only DCA, DCE, TCA, and TCE results are posted.  
For metals, only As, Cd, Fe, Mn and Pb results are posted.  
Results shown are from most recent sampling event for each location as of 12/22/2003.  
Results in bold are above the ES for given COC.

- PAL Preventative Action Limit
- ES Enforcement Standard
- bgs below ground surface
- COC Constituent of Concern
- mg/L milligrams per liter
- µg/L micrograms per liter
- ND Not Detected
- VOC Volatile Organic Compound
- DCA 1,1 - Dichloroethane
- DCE cis-1,2-Dichloroethane
- TCA 1,1,1-Trichloroethane
- TCE Trichloroethane
- PAH Polycyclic Aromatic Hydrocarbons
- As Arsenic
- Cd Cadmium
- Fe Iron
- Pb Lead
- Mn Manganese

- MONITORING WELL
- 2001 GEOPROBE LOCATION
- TRENCH
- PROPERTY LINE
- FENCE
- CATCH BASIN
- STRUCTURE, FORMER

PAL and ES values		
Constituent	ES	PAL
VOCs (µg/L)		
cis-1,2-Dichloroethene	70	7
1,1-Dichloroethane	850	85
1,1,1-Trichloroethane	200	40
Trichloroethene	5	0.5
Metals (mg/L)		
Arsenic, Dissolved	0.05	0.005
Cadmium, Dissolved	0.005	0.0005
Iron, Dissolved	0.3	0.15
Lead, Dissolved	0.015	0.0015
Manganese, Dissolved	0.05	0.025

PAL and ES values from Tables 1 and 2 of NR 140.10

Note: Property boundary was taken from survey completed by Surveying Associates, Inc. May 3, 2004, 29970 wtr.dwg.



SCALE IN FEET  
1" = 50'-0"

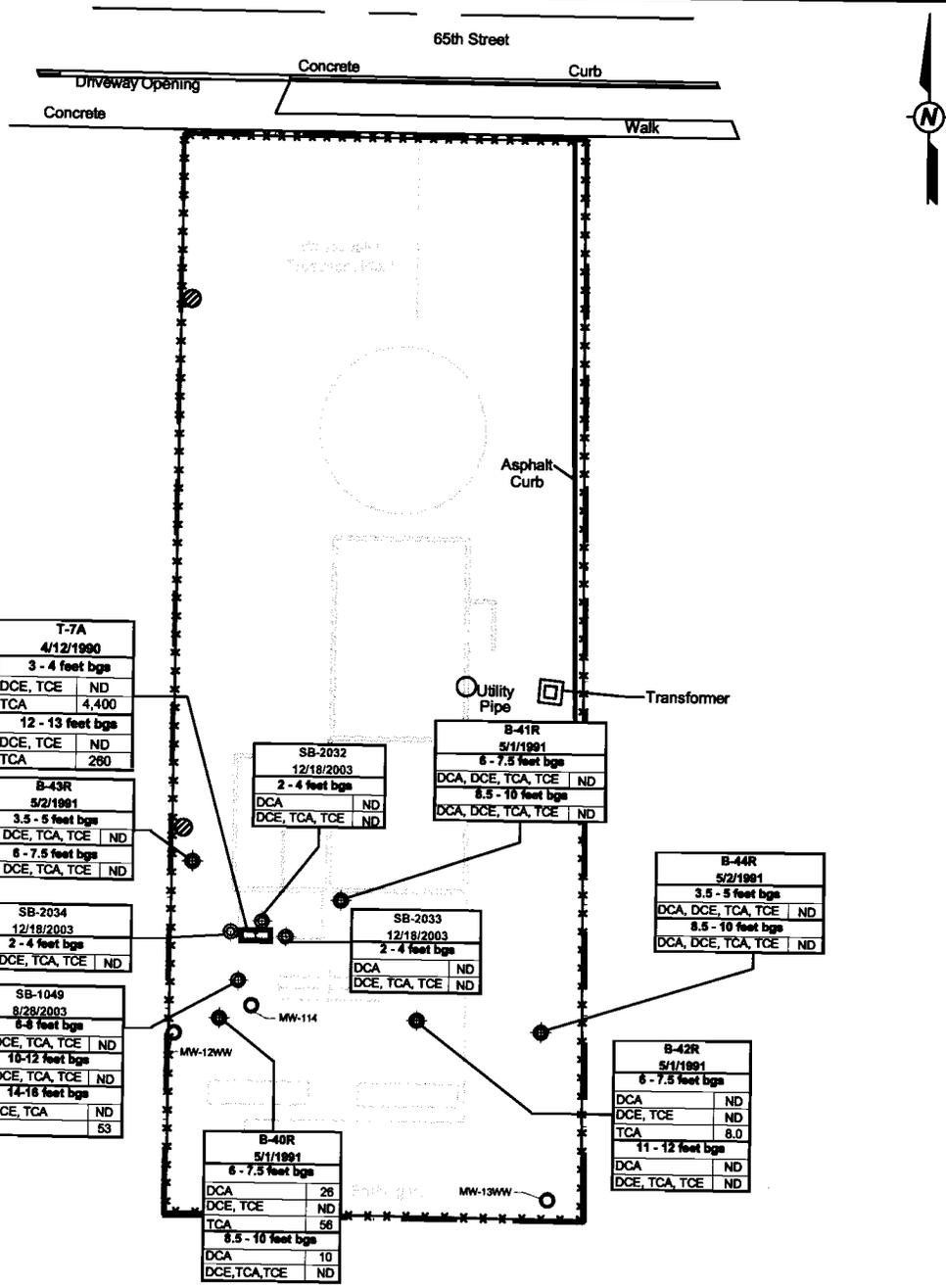
## GROUNDWATER SAMPLING RESULTS FORMER WASTEWATER TREATMENT PLANT FORMER OUTOKUMPU COPPER KENOSHA FACILITY KENOSHA, WISCONSIN

DRAWN BY:	MDH	DATE:	05/17/2004
PROJECT NO:	36266	DWG FILE:	11-04-36266



10 SOUTH RIVERSIDE PLAZA  
SUITE 1770  
CHICAGO, IL 60606-3807  
312-879-0191

FIGURE  
**4**



FORMER WASTEWATER TREATMENT PLANT  
LOCATED SOUTHEAST OF MAIN AREA

**LEGEND**

B-42R	Soil Boring ID
4/18/1990	Date Sampled
6 - 7.5 feet bgs	Sample Depth
DCA, DCE, TCA, TCE	Analyte Name(s)   Result
ND	

For VOCs, only DCA, DCE, TCA, and TCE results are posted.  
All concentrations presented in µg/kg

- bgs below ground surface
- mg/kg milligrams per kilogram
- µg/kg micrograms per kilogram
- DCA 1,1-Dichloroethane
- DCE cis-1,2-Dichloroethane
- TCA 1,1,1-Trichloroethane
- TCE Trichloroethane
- VOC Volatile Organic Compound

- SOIL SAMPLING LOCATION, HISTORICAL
- SOIL SAMPLING LOCATION, 2003
- MONITORING WELL
- TRENCH
- PROPERTY LINE
- FENCE
- CATCH BASIN
- STRUCTURE, FORMER

Analyte	PRG	SSL
DCA	510,000	23,000
DCE	43,000	400
TCA	1,200,000	2,000
TCE	53	60

PRG USEPA region IX residential direct contact exposure pathway preliminary remediation goal.  
SSL Migration to groundwater soil screening level (DAF 20).

Note: Property boundary was taken from survey completed by Surveying Associates, Inc. May 3, 2004, 29970 wtr.dwg.



SCALE IN FEET  
1" = 50'-0"

**SOIL SAMPLING RESULTS - VOCs**  
**FORMER WASTEWATER TREATMENT PLANT**  
**FORMER OUTOKUMPU COPPER KENOSHA FACILITY**  
**KENOSHA, WISCONSIN**

DRAWN BY:	MDH	DATE:	05/27/2004
PROJECT NO.:	36266	DWG FILE:	11-04-36266

<p>Customer-Focused Solutions</p>	<p>10 SOUTH RIVERSIDE PLAZA SUITE 1770 CHICAGO, IL 60606-3807 312-879-0191</p>	<p>FIGURE <b>3</b></p>
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**Table 1. Soil Sampling Results for Metals**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Sample ID:	Non-Industrial RCL	Industrial RCL	EB-7	EB-8	SB-2	SB-3	SB-3	SB-3	SW-2032
Sample Depth (ft bgs):			11 - 12	13.5 - 15	1-7	6-8	8-10	10-12	2-4
Sample Date:			04/09/90	04/09/90	10/26/95	10/26/95	10/26/95	10/26/95	12/18/2003
<b>Metals (mg/kg)</b>									
Antimony			6.5 U	13	-- --	-- --	-- --	-- --	-- --
Arsenic	0.039	1.6	2.7	2	1.7	2.1	5.5	7.6	3.08 U
Barium			-- --	-- --	32	31	27	21	-- --
Beryllium			0.2 U	0.2 U	-- --	-- --	-- --	-- --	-- --
Cadmium	8	510	1.5	1	1.6	3.3	0.38 U	0.43 U	1.01
Chromium	14	200	18	9.8	10	12	12	8.9	-- --
Copper			210	41	-- --	-- --	-- --	-- --	-- --
Lead	50	500	25	68	39	71	8.6	11	34.4
Mercury			0.1 U	0.1 U	-- --	-- --	-- --	-- --	-- --
Nickel			12	8.8	-- --	-- --	-- --	-- --	-- --
Selenium			0.1 U	0.33	0.33 U	0.23 U	0.32 U	0.27 U	-- --
Silver			1 U	1 U	-- --	-- --	-- --	-- --	-- --
Thallium			0.2 U	0.2 U	-- --	-- --	-- --	-- --	-- --
Zinc			110	-- --	-- --	-- --	-- --	-- --	-- --

**Table 1. Soil Sampling Results for Metals**  
 Former Wastewater Treatment Plant  
 Former Outokumpu Copper Kenosha Facility  
 Kenosha, Wisconsin

Sample ID:	Non-Industrial RCL	Industrial RCL	SQ-2032	SW-2033	SW-2034	T-6	T-7A	T-7A
Sample Depth (ft bgs):			2-4	2-4	2-4	6 - 7	3 - 4	12 - 13
Sample Date:			12/18/2003	12/18/2003	12/18/2003	04/12/90	04/12/90	04/12/90
<b>Metals (mg/kg)</b>								
Antimony			-- --	-- --	-- --	7 U	6.7 U	7.1 U
Arsenic	0.039	1.6	2.89 U	<b>3.99</b>	2.84 U	<b>2.2</b>	<b>3.8</b>	<b>3.3</b>
Barium			-- --	-- --	-- --	-- --	-- --	-- --
Beryllium			-- --	-- --	-- --	0.24 U	0.22 U	0.24 U
Cadmium	8	510	0.595	1.61	0.568 U	0.73	2.8	1.2
Chromium	14	200	-- --	-- --	-- --	2.6	9.6	6.1
Copper			-- --	-- --	-- --	8.4	140	20
Lead	50	500	28.9	48.1	29.6	4.7	76	21
Mercury			-- --	-- --	-- --	0.24 U	0.22 U	0.24 U
Nickel			-- --	-- --	-- --	4.8	9.6	10
Selenium			-- --	-- --	-- --	0.59 U	0.56 U	0.6 U
Silver			-- --	-- --	-- --	1.2 U	1.1 U	1.2 U
Thallium			-- --	-- --	-- --	0.59 U	0.56 U	0.6 U
Zinc			-- --	-- --	-- --	24	320	50

**Table 1. Soil Sampling Results for Metals**  
 Former Wastewater Treatment Plant  
 Former Outokumpu Copper Kenosha Facility  
 Kenosha, Wisconsin

<b>Note/Acronym</b>	<b>Definition</b>
ft bgs	feet below ground surface
NR 720	Department of Natural Resources Soil Cleanup Standards
RCL	Residual Contaminant Levels (from NR 720)
mg/kg	milligrams per kilogram
-- --	Compound was not analyzed
U	Compound was not detected at or above the reporting limit
<b>bold</b>	Value exceeds industrial RCL
<i>italics</i>	Reporting limit value exceeds industrial RCL

**Table 2. Soil Sampling Results for Organics**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Sample ID:	RCL	PRG	SSL	B-40R	B-40R	B-41R	B-41R	B-42R	B-42R	B-43R
Sample Depth (ft bgs):				6 - 7.5	8.5 - 10	6 - 7.5	8.5 - 10	6 - 7.5	11 - 12	3.5 - 5
Sample Date:				05/01/91	05/01/91	05/01/91	05/01/91	05/01/91	05/01/91	05/02/91
<b>Volatile Organic Compounds (µg/kg)</b>										
1,1,1-Trichloroethane		1.20E+06	2.00E+03	56	6 J	6 U	6 U	8	6 U	6 U
1,1,2,2-Tetrachloroethane		4.10E+02	3.00E+00	5 U	6 U	6 U	6 U	5 U	6 U	6 U
1,1,2-Trichloroethane		7.30E+02	2.00E+01	5 U	6 U	6 U	6 U	5 U	6 U	6 U
1,1-Dichloroethane		5.10E+05	2.30E+04	26	10	11 U	6 U	5 U	6 U	6 U
1,1-Dichloroethene		1.20E+05	6.00E+01	-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,2,3-Trichlorobenzene				-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,2,4-Trichlorobenzene		6.50E+05	5.00E+03	-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,2,4-Trimethylbenzene		5.20E+04		-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,2-Dibromo-3-chloropropane		4.50E+02		-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,2-Dibromoethane				-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,2-Dichlorobenzene		3.70E+05	1.70E+04	-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,2-Dichloroethane	4.90E+00	2.80E+02	2.00E+01	5 U	6 U	6 U	6 U	5 U	6 U	6 U
1,2-Dichloroethene (total)				5 U	6 U	6 U	6 U	5 U	6 U	6 U
1,2-Dichloropropane		3.40E+02	3.00E+01	5 U	6 U	6 U	6 U	5 U	6 U	6 U
1,3,5-Trimethylbenzene		2.10E+04		-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,3-Dichlorobenzene		1.60E+04		-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,3-Dichloropropane				-- --	-- --	-- --	-- --	-- --	-- --	-- --
1,4-Dichlorobenzene		3.40E+03	2.00E+03	-- --	-- --	-- --	-- --	-- --	-- --	-- --
2,2-Dichloropropane				-- --	-- --	-- --	-- --	-- --	-- --	-- --
2-Butanone		7.30E+06		11 U	7 J	11 U	2 J	10 U	12 U	2 J
2-Chloroethylvinyl ether				-- --	-- --	-- --	-- --	-- --	-- --	-- --
2-Chlorotoluene		1.60E+05		-- --	-- --	-- --	-- --	-- --	-- --	-- --
2-Hexanone				11 U	12 U	11 U	11 U	10 U	12 U	11 U
4-Chlorotoluene				-- --	-- --	-- --	-- --	-- --	-- --	11 U
4-Methyl-2-pentanone		7.90E+05		11 U	12 U	11 U	11 U	10 U	12 U	11 U
Acetone		1.60E+06	1.60E+04	43	69	11 U	56	28	27 B	84
Benzene	5.50E+00	6.00E+02	3.00E+01	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Bromobenzene		2.80E+04		-- --	-- --	-- --	-- --	-- --	-- --	-- --
Bromodichloromethane		8.20E+02	6.00E+02	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Bromoform		6.20E+04	8.00E+02	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Bromomethane (Methyl bromide)		3.90E+03	2.00E+02	11 U	12 U	11 U	11 U	10 U	12 U	11 U
Carbon disulfide		3.60E+05	3.20E+04	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Carbon tetrachloride		2.50E+02	7.00E+01	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Chlorobenzene		1.50E+05	1.00E+03	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Chlorodibromomethane		1.10E+03	4.00E+02	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Chloroethane (Ethyl chloride)		3.00E+03		11 U	12 U	11 U	11 U	10 U	12 U	11 U

**Table 2. Soil Sampling Results for Organics**  
 Former Wastewater Treatment Plant  
 Former Outokumpu Copper Kenosha Facility  
 Kenosha, Wisconsin

Sample ID: Sample Depth (ft bgs): Sample Date:	RCL	PRG	SSL	B-40R	B-40R	B-41R	B-41R	B-42R	B-42R	B-43R
				6 - 7.5	8.5 - 10	6 - 7.5	8.5 - 10	6 - 7.5	11 - 12	3.5 - 5
				05/01/91	05/01/91	05/01/91	05/01/91	05/01/91	05/01/91	05/02/91
<b>Volatile Organic Compounds (µg/kg)</b>										
Chloroform		3.60E+03	6.00E+02	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Chloromethane (Methyl chloride)		1.20E+03		11 U	12 U	11 U	11 U	10 U	12 U	11 U
cis-1,2-Dichloroethene		4.30E+04	4.00E+02	--	--	--	--	--	--	--
cis-1,3-Dichloropropene				5 U	6 U	6 U	6 U	5 U	6 U	6 U
Dichlorodifluoromethane		9.40E+04		--	--	--	--	--	--	--
Di-isopropylether				--	--	--	--	--	--	--
Ethylbenzene	2.90E+03	8.90E+03	1.30E+04	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Hexachlorobutadiene		6.20E+03	2.00E+03	--	--	--	--	--	--	--
Isopropylbenzene		5.70E+05		--	--	--	--	--	--	--
Methyl tert-butyl ether		6.20E+04		--	--	--	--	--	--	--
Methylene chloride		9.10E+03	2.00E+01	2 J	3 J	6 U	3 J	7	6 B	6
n-Butylbenzene		2.40E+05		--	--	--	--	--	--	--
n-Propylbenzene		2.40E+05		--	--	--	--	--	--	--
p-Isopropyltoluene				--	--	--	--	--	--	--
sec-Butylbenzene		2.20E+05		--	--	--	--	--	--	--
Styrene		1.70E+06	4.00E+03	5 U	6 U	6 U	6 U	5 U	6 U	6 U
tert-Butylbenzene		3.90E+05		--	--	--	--	--	--	--
Tetrachloroethene		1.50E+03	6.00E+01	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Toluene	1.50E+03	5.20E+05	1.20E+04	5 U	6 U	6 U	6 U	5 U	6 U	6 U
trans-1,2-Dichloroethene		6.90E+04	7.00E+02	--	--	--	--	--	--	--
trans-1,3-Dichloropropene				5 U	6 U	6 U	6 U	5 U	6 U	6 U
Trichloroethene		5.30E+01	6.00E+01	5 U	6 U	6 U	6 U	5 U	6 U	6 U
Trichlorofluoromethane				--	--	--	--	--	--	--
Vinyl Acetate		4.30E+05	1.70E+05	11 U	12 U	11 U	11 U	10 U	12 U	11 U
Vinyl chloride		7.90E+01	1.00E+01	11 U	12 U	11 U	11 U	10 U	12 U	11 U
Xylene (total)	4.10E+03	2.70E+05	2.10E+05	5 U	6 U	6 U	6 U	5 U	6 U	2 J
<b>Semivolatile Organic Compounds (µg/kg)</b>										
All analytes *				--	--	--	--	--	--	--
<b>Petroleum Indicators (mg/kg)</b>										
Total Petroleum Hydrocarbons				--	--	--	--	--	--	--

**Table 2. Soil Sampling Results for Organics**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Sample ID:	RCL	PRG	SSL	B-43R	B-44R	B-44R	SB-1049	SB-1049	SB-1049	SB-2032
Sample Depth (ft bgs):				6 - 7.5	3.5 - 5	8.5 - 10	6-8	10-12	14-16	2-4
Sample Date:				05/02/91	05/02/91	05/02/91	8/28/2003	8/28/2003	8/28/2003	12/18/2003
<b>Volatile Organic Compounds (µg/kg)</b>										
1,1,1-Trichloroethane		1.20E+06	2.00E+03	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1,2,2-Tetrachloroethane		4.10E+02	3.00E+00	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1,2-Trichloroethane		7.30E+02	2.00E+01	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1-Dichloroethane		5.10E+05	2.30E+04	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1-Dichloroethene		1.20E+05	6.00E+01	--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,2,3-Trichlorobenzene				--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,2,4-Trichlorobenzene		6.50E+05	5.00E+03	--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,2,4-Trimethylbenzene		5.20E+04		--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dibromo-3-chloropropane		4.50E+02		--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dibromoethane				--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dichlorobenzene		3.70E+05	1.70E+04	--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dichloroethane	4.90E+00	2.80E+02	2.00E+01	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dichloroethene (total)				6 U	6 U	6 U	--	--	--	--
1,2-Dichloropropane		3.40E+02	3.00E+01	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
1,3,5-Trimethylbenzene		2.10E+04		--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,3-Dichlorobenzene		1.60E+04		--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,3-Dichloropropane				--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
1,4-Dichlorobenzene		3.40E+03	2.00E+03	--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
2,2-Dichloropropane				--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
2-Butanone		7.30E+06		12 U	11 U	12 U	--	--	--	--
2-Chloroethylvinyl ether				--	--	--	--	--	--	--
2-Chlorotoluene		1.60E+05		--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone				12 U	11 U	12 U	--	--	--	--
4-Chlorotoluene				--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone		7.90E+05		12 U	11 U	12 U	--	--	--	--
Acetone		1.60E+06	1.60E+04	59	20 B	29	--	--	--	--
Benzene	5.50E+00	6.00E+02	3.00E+01	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Bromobenzene		2.80E+04		--	--	--	25.0 U	25.0 U	25.0 U	25.0 U
Bromodichloromethane		8.20E+02	6.00E+02	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Bromoform		6.20E+04	8.00E+02	6 U	6 U	6 U	--	--	--	--
Bromomethane (Methyl bromide)		3.90E+03	2.00E+02	12 U	11 U	12 U	--	--	--	--
Carbon disulfide		3.60E+05	3.20E+04	6 U	6 U	6 U	--	--	--	--
Carbon tetrachloride		2.50E+02	7.00E+01	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Chlorobenzene		1.50E+05	1.00E+03	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Chlorodibromomethane		1.10E+03	4.00E+02	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Chloroethane (Ethyl chloride)		3.00E+03		12 U	11 U	12 U	25.0 U	25.0 U	25.0 U	25.0 U

**Table 2. Soil Sampling Results for Organics**  
 Former Wastewater Treatment Plant  
 Former Outokumpu Copper Kenosha Facility  
 Kenosha, Wisconsin

Sample ID:	RCL	PRG	SSL	B-43R	B-44R	B-44R	SB-1049	SB-1049	SB-1049	SB-2032
Sample Depth (ft bgs):				6 - 7.5	3.5 - 5	8.5 - 10	6-8	10-12	14-16	2-4
Sample Date:				05/02/91	05/02/91	05/02/91	8/28/2003	8/28/2003	8/28/2003	12/18/2003
<b>Volatile Organic Compounds (µg/kg)</b>										
Chloroform		3.60E+03	6.00E+02	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Chloromethane (Methyl chloride)		1.20E+03		12 U	11 U	12 U	25.0 U	25.0 U	25.0 U	25.0 U
cis-1,2-Dichloroethene		4.30E+04	4.00E+02	-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
cis-1,3-Dichloropropene				6 U	6 U	6 U	-- --	-- --	-- --	-- --
Dichlorodifluoromethane		9.40E+04		-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Di-isopropylether				-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Ethylbenzene	2.90E+03	8.90E+03	1.30E+04	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Hexachlorobutadiene		6.20E+03	2.00E+03	-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Isopropylbenzene		5.70E+05		-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Methyl tert-butyl ether		6.20E+04		-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Methylene chloride		9.10E+03	2.00E+01	6	16 B	5 J	100 U	100 U	104 R	100 U
n-Butylbenzene		2.40E+05		-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
n-Propylbenzene		2.40E+05		-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
p-Isopropyltoluene				-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
sec-Butylbenzene		2.20E+05		-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Styrene		1.70E+06	4.00E+03	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
tert-Butylbenzene		3.90E+05		-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Tetrachloroethene		1.50E+03	6.00E+01	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
Toluene	1.50E+03	5.20E+05	1.20E+04	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
trans-1,2-Dichloroethene		6.90E+04	7.00E+02	-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
trans-1,3-Dichloropropene				6 U	6 U	6 U	-- --	-- --	-- --	-- --
Trichloroethene		5.30E+01	6.00E+01	6 U	6 U	6 U	25.0 U	25.0 U	53.0	25.0 U
Trichlorofluoromethane				-- --	-- --	-- --	25.0 U	25.0 U	25.0 U	25.0 U
Vinyl Acetate		4.30E+05	1.70E+05	12 U	11 U	12 U	-- --	-- --	-- --	-- --
Vinyl chloride		7.90E+01	1.00E+01	12 U	11 U	12 U	25.0 U	25.0 U	25.0 U	25.0 U
Xylene (total)	4.10E+03	2.70E+05	2.10E+05	6 U	6 U	6 U	25.0 U	25.0 U	25.0 U	25.0 U
<b>Semivolatile Organic Compounds (µg/kg)</b>										
All analytes *				-- --	-- --	-- --	-- --	-- --	-- --	-- --
<b>Petroleum Indicators (mg/kg)</b>										
Total Petroleum Hydrocarbons				-- --	-- --	-- --	-- --	-- --	-- --	-- --

**Table 2. Soil Sampling Results for Organics**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Sample ID:	RCL	PRG	SSL	SQ-2032	SB-2033	SB-2034	T-7A	T-7A
Sample Depth (ft bgs):				2-4	2-4	2-4	3 - 4	12 - 13
Sample Date:				12/18/2003	12/18/2003	12/18/2003	04/12/90	04/12/90
<b>Volatile Organic Compounds (µg/kg)</b>								
1,1,1-Trichloroethane		1.20E+06	2.00E+03	25.0 U	25.0 U	25.0 U	<b>4,400</b>	260
1,1,2,2-Tetrachloroethane		4.10E+02	3.00E+00	25.0 U	25.0 U	25.0 U	1,100 U	6 U
1,1,2-Trichloroethane		7.30E+02	2.00E+01	25.0 U	25.0 U	25.0 U	1,100 U	6 U
1,1-Dichloroethane		5.10E+05	2.30E+04	25.0 U	25.0 U	25.0 U	1,100 U	140
1,1-Dichloroethene		1.20E+05	6.00E+01	25.0 U	25.0 U	25.0 U	1,100 U	6 U
1,2,3-Trichlorobenzene				25.0 U	25.0 U	25.0 U	-- --	-- --
1,2,4-Trichlorobenzene		6.50E+05	5.00E+03	25.0 U	25.0 U	25.0 U	-- --	-- --
1,2,4-Trimethylbenzene		5.20E+04		25.0 U	70.2	25.0 U	-- --	-- --
1,2-Dibromo-3-chloropropane		4.50E+02		25.0 U	25.0 U	25.0 U	-- --	-- --
1,2-Dibromoethane				25.0 U	25.0 U	25.0 U	-- --	-- --
1,2-Dichlorobenzene		3.70E+05	1.70E+04	25.0 U	25.0 U	25.0 U	-- --	-- --
1,2-Dichloroethane	4.90E+00	2.80E+02	2.00E+01	25.0 U	25.0 U	25.0 U	1,100 U	6 U
1,2-Dichloroethene (total)				-- --	-- --	-- --	-- --	-- --
1,2-Dichloropropane		3.40E+02	3.00E+01	25.0 U	25.0 U	25.0 U	1,100 U	6 U
1,3,5-Trimethylbenzene		2.10E+04		25.0 U	54.8	25.0 U	-- --	-- --
1,3-Dichlorobenzene		1.60E+04		25.0 U	25.0 U	25.0 U	-- --	-- --
1,3-Dichloropropane				25.0 U	25.0 U	25.0 U	-- --	-- --
1,4-Dichlorobenzene		3.40E+03	2.00E+03	25.0 U	25.0 U	25.0 U	-- --	-- --
2,2-Dichloropropane				25.0 U	25.0 U	25.0 U	-- --	-- --
2-Butanone		7.30E+06		-- --	-- --	-- --	2,200 U	75
2-Chloroethylvinyl ether				-- --	-- --	-- --	2,200 U	12 U
2-Chlorotoluene		1.60E+05		25.0 U	25.0 U	25.0 U	-- --	-- --
2-Hexanone				-- --	-- --	-- --	2,200 U	12 U
4-Chlorotoluene				25.0 U	25.0 U	25.0 U	-- --	-- --
4-Methyl-2-pentanone		7.90E+05		-- --	-- --	-- --	2,200 U	12 U
Acetone		1.60E+06	1.60E+04	-- --	-- --	-- --	2,200 U	12 U
Benzene	5.50E+00	6.00E+02	3.00E+01	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Bromobenzene		2.80E+04		25.0 U	25.0 U	25.0 U	-- --	-- --
Bromodichloromethane		8.20E+02	6.00E+02	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Bromoform		6.20E+04	8.00E+02	-- --	-- --	-- --	1,100 U	6 U
Bromomethane (Methyl bromide)		3.90E+03	2.00E+02	-- --	-- --	-- --	2,200 U	12 U
Carbon disulfide		3.60E+05	3.20E+04	-- --	-- --	-- --	1,100 U	6 U
Carbon tetrachloride		2.50E+02	7.00E+01	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Chlorobenzene		1.50E+05	1.00E+03	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Chlorodibromomethane		1.10E+03	4.00E+02	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Chloroethane (Ethyl chloride)		3.00E+03		25.0 U	25.0 U	25.0 U	2,200 U	12 U

**Table 2. Soil Sampling Results for Organics**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Sample ID:	RCL	PRG	SSL	SQ-2032	SB-2033	SB-2034	T-7A	T-7A
Sample Depth (ft bgs):				2-4	2-4	2-4	3 - 4	12 - 13
Sample Date:				12/18/2003	12/18/2003	12/18/2003	04/12/90	04/12/90
<b>Volatile Organic Compounds (µg/kg)</b>								
Chloroform		3.60E+03	6.00E+02	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Chloromethane (Methyl chloride)		1.20E+03		25.0 U	25.0 U	25.0 U	2,200 U	12 U
cis-1,2-Dichloroethene		4.30E+04	4.00E+02	25.0 U	25.0 U	25.0 U	-- --	-- --
cis-1,3-Dichloropropene				-- --	-- --	-- --	1,100 U	6 U
Dichlorodifluoromethane		9.40E+04		25.0 U	25.0 U	25.0 U	-- --	-- --
Di-isopropylether				25.0 U	25.0 U	25.0 U	-- --	-- --
Ethylbenzene	2.90E+03	8.90E+03	1.30E+04	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Hexachlorobutadiene		6.20E+03	2.00E+03	25.0 U	25.0 U	25.0 U	-- --	-- --
Isopropylbenzene		5.70E+05		25.0 U	25.0 U	25.0 U	-- --	-- --
Methyl tert-butyl ether		6.20E+04		25.0 U	25.0 U	25.0 U	-- --	-- --
Methylene chloride		9.10E+03	2.00E+01	100 U	100 U	100 U	1,100 U	14
n-Butylbenzene		2.40E+05		25.0 U	51.7	25.0 U	-- --	-- --
n-Propylbenzene		2.40E+05		25.0 U	25.0 U	25.0 U	-- --	-- --
p-Isopropyltoluene				25.0 U	25.0 U	25.0 U	-- --	-- --
sec-Butylbenzene		2.20E+05		25.0 U	25.0 U	25.0 U	-- --	-- --
Styrene		1.70E+06	4.00E+03	-- --	-- --	-- --	1,100 U	6 U
tert-Butylbenzene		3.90E+05		25.0 U	25.0 U	25.0 U	-- --	-- --
Tetrachloroethene		1.50E+03	6.00E+01	25.0 U	25.0 U	25.0 U	1,100	6 U
Toluene	1.50E+03	5.20E+05	1.20E+04	25.0 U	25.0 U	25.0 U	1,100 U	11
trans-1,2-Dichloroethene		6.90E+04	7.00E+02	25.0 U	25.0 U	25.0 U	1,100 U	6 U
trans-1,3-Dichloropropene				-- --	-- --	-- --	1,100 U	6 U
Trichloroethene		5.30E+01	6.00E+01	25.0 U	25.0 U	25.0 U	1,100 U	6 U
Trichlorofluoromethane				25.0 U	25.0 U	25.0 U	-- --	-- --
Vinyl Acetate		4.30E+05	1.70E+05	-- --	-- --	-- --	2,200 U	12 U
Vinyl chloride		7.90E+01	1.00E+01	25.0 U	25.0 U	25.0 U	2,200 U	12 U
Xylene (total)	4.10E+03	2.70E+05	2.10E+05	25.0 U	25.0 U	25.0 U	1,100 U	6 U
<b>Semivolatile Organic Compounds (µg/kg)</b>								
All analytes *				-- --	-- --	-- --	U	-- --
<b>Petroleum Indicators (mg/kg)</b>								
Total Petroleum Hydrocarbons				-- --	-- --	-- --	5.6 U	86

**Table 2. Soil Sampling Results for Organics**  
 Former Wastewater Treatment Plant  
 Former Outokumpu Copper Kenosha Facility  
 Kenosha, Wisconsin

<b>Note/Acronym</b>	<b>Definition</b>
ft bgs	feet below ground surface
NR 720	Department of Natural Resources Soil Cleanup Standards
RCL	Residual Contaminant Levels (from NR 720)
PRG	Preliminary Remediation Goal (from USEPA Region IX PRG Table)
SSL	Soil Screening Level for Protection of Groundwater (from USEPA Region IX PRG Table)
mg/kg	milligrams per kilogram
µg/kg	micrograms per kilogram
-- --	Compound was not analyzed
B	Compound was detected in laboratory blank sample
J	Compound value is estimated
R	Compound value was rejected during validation as not actual site conditions
U	Compound was not detected at or above the reporting limit
*	Semivolatile compound list will be provided upon request
<b>bold</b>	Value exceeds lowest industrial RCL, residential PRG, or SSL (DAF20) value
<i>italics</i>	Reporting limit value exceeds lowest industrial RCL, residential PRG, or SSL (DAF20) value

**Table 3. Groundwater Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-13WW	MW-13WW
Date Sampled:			05/03/91	10/14/98	10/13/99	07/03/02	10/1/2003	12/16/2003	05/03/91	10/14/98
<b>Metals (mg/L)</b>										
Arsenic, Dissolved	0.05	0.005	--	0.02 U	--	0.05 U	--	0.05 U	--	0.02 U
Arsenic, Total	0.05	0.005	--	0.009	--	--	--	--	--	0.009
Barium, Dissolved	2	0.4	--	--	--	0.5 U	--	--	--	--
Barium, Total	2	0.4	--	0.174	--	--	--	--	--	--
Cadmium, Dissolved	0.005	0.0005	--	0.01 U	--	0.005 U	--	0.005 U	--	0.187
Cadmium, Total	0.005	0.0005	--	0.004	--	--	--	--	--	--
Chromium, Dissolved	0.1	0.01	--	0.01 U	0.005 U	0.01 U	--	--	--	0.0002
Chromium, Total	0.1	0.01	--	0.04	0.005 U	--	--	--	--	--
Copper, Dissolved	1.3	0.13	--	0.02 U	0.01 U	0.05 U	--	--	--	0.01 U
Copper, Total	1.3	0.13	--	2.05	0.478	--	--	--	--	--
Iron, Dissolved	0.3	0.15	--	0.71	--	--	--	6.13	--	0.02 U
Lead, Dissolved	0.015	0.0015	--	0.002 U	0.001	0.005 U	--	0.0253	--	9.11
Lead, Total	0.015	0.0015	--	0.14	0.006	--	--	--	--	0.002 U
Manganese, Dissolved	0.05	0.025	--	3.19	--	--	--	1.60	--	0.004
Manganese, Total	0.05	0.025	--	3.22	--	--	--	--	--	5.77
Mercury, Dissolved	0.002	0.0002	--	--	0.0002 U	0.0002 U	--	--	--	5.11
Mercury, Total	0.002	0.0002	--	0.0002 U	0.0003	--	--	--	--	--
Nickel, Dissolved	0.1	0.02	--	0.02 U	0.01 U	0.05 U	--	--	--	0.0002 U
Nickel, Total	0.1	0.02	--	0.04	0.01	--	--	--	--	--
Selenium, Dissolved	0.05	0.01	--	--	--	0.05 U	--	--	--	0.02 U
Selenium, Total	0.05	0.01	--	0.005 U	--	--	--	--	--	--
Silver, Dissolved	0.05	0.01	--	--	--	0.05 U	--	--	--	0.005 U
Silver, Total	0.05	0.01	--	0.001 U	--	--	--	--	--	--
Sulfate	250	125	--	131	--	--	--	--	--	0.001 U
Thallium, Dissolved	0.002	0.0004	--	--	--	0.1 U	--	--	--	155
Vanadium, Dissolved	0.03	0.006	--	0.01 U	--	--	--	--	--	--
Vanadium, Total	0.03	0.006	--	0.02	--	--	--	--	--	--
Zinc, Dissolved	5	2.5	--	0.35	--	0.5 U	--	--	--	0.01 U
Zinc, Total	5	2.5	--	2.72	--	--	--	--	--	--
<b>Petroleum Indicators (mg/L)</b>										
TPH Gasoline			--	--	--	0.05 U	--	--	--	--

**Table 3. Groundwater Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-13WW	MW-13WW
Date Sampled:			05/03/91	10/14/98	10/13/99	07/03/02	10/1/2003	12/16/2003	05/03/91	10/14/98
<b>Volatile Organic Compounds (µg/L)</b>										
1,1,1,2-Tetrachloroethane	70	7	--	--	--	0.5 U	--	--	--	--
1,1,1-Trichloroethane	200	40	5 U	5 U	--	0.3 U	5.00 U	5.00 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.2	0.02	5 U	5 U	--	0.4 U	0.415 U	0.415 U	5 U	5 U
1,1,2-Trichloroethane	5	0.5	5 U	5 U	--	0.5 U	0.390 U	0.390 U	5 U	5 U
1,1-Dichloroethane	850	85	5 U	5 U	--	5 U	5.00 U	5.00 U	5 U	5 U
1,1-Dichloroethene	7	0.7	5 U	5 U	--	0.5 U	0.291 U	0.291 U	5 U	5 U
1,1-Dichloropropene			--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene			--	--	--	10 U	10.0 U	10.0 U	--	--
1,2,3-Trichloropropane	60	12	--	--	--	5 U	--	--	--	--
1,2,4-Trichlorobenzene	70	14	--	--	--	5 U	10.0 U	10.0 U	--	--
1,2,4-Trimethylbenzene			--	--	--	5 U	5.00 U	5.00 U	--	--
1,3,5-Trimethylbenzene	480	96	--	--	--	--	5.00 U	5.00 U	--	--
1,2-Dibromo-3-chloropropane	0.2	0.02	--	--	--	0.6 U	0.894 U	0.894 U	--	--
1,2-Dibromoethane	0.05	0.005	--	--	--	0.2 U	0.478 U	0.478 U	--	--
1,2-Dichlorobenzene	600	60	--	--	--	5 U	5.00 U	5.00 U	--	--
1,2-Dichloroethane	5	0.5	5 U	5 U	--	0.2 U	0.356 U	0.356 U	5 U	5 U
1,2-Dichloroethene (total)			5 U	5 U	--	--	--	--	5 U	5 U
1,2-Dichloropropane	5	0.5	5 U	5 U	--	0.3 U	0.273 U	0.273 U	5 U	5 U
1,3-Dichlorobenzene	1,250	125	--	--	--	5 U	5.00 U	5.00 U	--	--
1,3-Dichloropropane			--	--	--	5 U	5.00 U	5.00 U	--	--
1,4-Dichlorobenzene	75	15	--	--	--	5 U	5.00 U	5.00 U	--	--
2,2-Dichloropropane			--	--	--	5 U	5.00 U	5.00 U	--	--
2-Butanone			10 U	5 U	--	--	--	--	10 U	5 U
2-Chlorotoluene			--	--	--	5 U	5.00 U	5.00 U	--	--
2-Hexanone			10 U	5 U	--	5 U	--	--	10 U	5 U
4-Chlorotoluene			--	--	--	5 U	5.00 U	5.00 U	--	--
4-Isopropyltoluene			--	--	--	5 U	--	--	--	--
4-Methyl-2-pentanone			10 U	5 U	--	0.5 U	--	--	--	--
Acetone	1,000	200	18	5 U	--	--	--	--	10 U	5 U
Benzene	5	0.5	5 U	5 U	--	0.5 U	0.291 U	0.291 U	5 U	5 U
Bromobenzene			--	--	--	5 U	5.00 U	5.00 U	--	--
Bromochloromethane			--	--	--	--	--	--	--	--

**Table 3. Groundwater Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-13WW	MW-13WW
Date Sampled:			05/03/91	10/14/98	10/13/99	07/03/02	10/1/2003	12/16/2003	05/03/91	10/14/98	
Volatile Organic Compounds (µg/L)											
Bromodichloromethane	0.6	0.06	5 U	5 U	--	0.3 U	0.284 U	0.284 U	5 U	5 U	
Bromoform	4.4	0.44	5 U	5 U	--	--	--	--	5 U	5 U	
Bromomethane (Methyl bromide)	10	1	10 U	5 U	--	--	--	--	10 U	5 U	
Carbon disulfide	1,000	200	5 U	5 U	--	--	--	--	5 U	5 U	
Carbon tetrachloride	5	0.5	5 U	5 U	--	0.5 U	0.341 U	0.341 U	5 U	5 U	
Chlorobenzene	100	20	5 U	5 U	--	5 U	5.00 U	5.00 U	5 U	5 U	
Chlorodibromomethane	60	6	5 U	5 U	--	5 U	2.00 U	2.00 U	5 U	5 U	
Chloroethane (Ethyl chloride)	400	80	10 U	5 U	--	5 U	5.00 U	5.00 U	10 U	5 U	
Chloroform	6	0.6	5 U	5 U	--	0.5 U	0.299 U	0.299 U	5 U	5 U	
Chloromethane (Methyl chloride)	3	0.3	10 U	5 U	--	0.8 U	0.356 U	0.356 U	10 U	5 U	
cis-1,2-Dichloroethene	70	7		5 U	--	5 U	5.00 U	8.08	--	5 U	
cis-1,3-Dichloropropene			5 U	5 U	--	--	--	--	5 U	5 U	
trans-1,3-Dichloropropene	0.2	0.02	5 U	5 U	--	--	--	--	5 U	5 U	
Dibromomethane			--	--	--	--	--	--	--	--	
Dichlorodifluoromethane	1,000	200	--	--	--	5 U	5.00 U	5.00 U	--	--	
Disopropyl ether			--	--	--	--	5.00 U	5.00 U	--	--	
Ethylbenzene	700	140	5 U	5 U	--	--	5.00 U	5.00 U	5 U	5 U	
Fluorotrichloromethane			--	--	--	--	--	--	--	--	
Hexachlorobutadiene			--	--	--	--	10.0 U	10.0 U	--	--	
Isopropyl Benzene			--	--	--	--	5.00 U	5.00 U	--	--	
m & p-Xylene			--	5 U	--	--	--	--	--	--	
Methyl tert-butyl ether	60	12	--	--	--	--	0.317 U	0.317 U	--	--	5 U
Methylene chloride	5	0.5	4	5 U	--	8 U	1.75 U	1.75 U	4	5 U	
n-Butylbenzene			--	--	--	5 U	5.00 U	5.00 U	--	--	
n-Propylbenzene			--	--	--	--	5.00 U	5.00 U	--	--	
o & p-Xylene			--	--	--	--	5.00 U	5.00 U	--	--	
o-Xylene			--	5 U	--	5 U	--	--	--	--	
p-Isopropyltoluene			--	--	--	--	--	--	--	5 U	
sec-Butylbenzene			--	--	--	--	5.00 U	5.00 U	--	--	
Styrene	100	10	5 U	5 U	--	5 U	5.00 U	5.00 U	--	--	
tert-Butylbenzene			--	--	--	--	--	--	5 U	5 U	
Tetrachloroethene	5	0.5	5 U	5 U	--	5 U	0.364 U	0.364 U	5 U	5 U	

**Table 3. Groundwater Sampling Results**  
**Former Wastewater Treatment Plant**  
**Former Outokumpu Copper Kenosha Facility**  
**Kenosha, Wisconsin**

Well Identification:	ES	PAL	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-12WW	MW-13WW	MW-13WW
Date Sampled:			05/03/91	10/14/98	10/13/99	07/03/02	10/1/2003	12/16/2003	05/03/91	10/14/98	
<b>Volatile Organic Compounds (µg/L)</b>											
Toluene	1,000	200	5 U	5 U	-- --	10 U	5.00 U	5.00 U	5 U	5 U	
trans-1,2-Dichloroethene	100	20		5 U	-- --	5 U	5.00 U	5.00 U		5 U	
Trichloroethene	5	0.5	5 U	5 U	-- --	5 U	0.232 U	0.232 U	5 U	5 U	
Trichlorofluoromethane	3,490	698	-- --	5 U	-- --	-- --	5.00 U	5.00 U	-- --	5 U	
Vinyl Acetate			10 U	5 U	-- --	0.5 U	-- --	-- --	10 U	5 U	
Vinyl chloride	0.2	0.02	10 U	5 U	-- --	5 U	0.312 U	0.312 U	10 U	5 U	
Xylene (total)	10,000	1,000	5 U	5 U	-- --	-- --	5.00 U	5.00 U	5 U	5 U	
<b>Polynuclear Aromatic Hydrocarbons (µg/L)</b>											
1-Methylnaphthalene			-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
2-Methylnaphthalene			-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Acenaphthene			-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Acenaphthylene			-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Anthracene	3,000	600	-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Benz (a) anthracene			-- --	-- --	-- --	0.1 U	-- --	-- --	-- --	-- --	
Benzo (a) pyrene	0.2	0.02	-- --	-- --	-- --	0.02 U	-- --	-- --	-- --	-- --	
Benzo (b) fluoranthene	0.2	0.02	-- --	-- --	-- --	0.02 U	-- --	-- --	-- --	-- --	
Benzo (ghi) perylene			-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Benzo (k) fluoranthene			-- --	-- --	-- --	0.1 U	-- --	-- --	-- --	-- --	
Chrysene	0.2	0.02	-- --	-- --	-- --	0.02 U	-- --	-- --	-- --	-- --	
Dibenz (a,h) anthracene			-- --	-- --	-- --	0.1 U	-- --	-- --	-- --	-- --	
Fluoranthene	400	80	-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Fluorene	400	80	-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Indeno (1,2,3-cd) pyrene			-- --	-- --	-- --	0.02 U	-- --	-- --	-- --	-- --	
Naphthalene	40	8	-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Phenanthrene			-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	
Pyrene	250	50	-- --	-- --	-- --	5 U	-- --	-- --	-- --	-- --	

**Table 3. Groundwater Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	MW-13WW	MW-13WW	MW-13WW	MW-13WW	MW-114	MW-114
Date Sampled:			06/06/01	07/03/02	10/2/2003	12/17/2003	10/1/2003	12/16/2003
<b>Metals (mg/L)</b>								
Arsenic, Dissolved	0.05	0.005	--	0.05 U	--	0.05 U	--	0.05 U
Arsenic, Total	0.05	0.005	--	--	--	--	--	--
Barium, Dissolved	2	0.4	--	0.5 U	--	--	--	--
Barium, Total	2	0.4	--	--	--	--	--	--
Cadmium, Dissolved	0.005	0.0005	--	0.005 U	--	0.005 U	--	0.005 U
Cadmium, Total	0.005	0.0005	--	--	--	--	--	--
Chromium, Dissolved	0.1	0.01	--	0.01 U	--	--	--	--
Chromium, Total	0.1	0.01	--	--	--	--	--	--
Copper, Dissolved	1.3	0.13	--	0.05 U	--	--	--	--
Copper, Total	1.3	0.13	--	--	--	--	--	--
Iron, Dissolved	0.3	0.15	--	--	--	<b>7.77</b>	--	<b>0.356</b>
Lead, Dissolved	0.015	0.0015	--	0.005 U	--	0.0131	--	<b>0.159</b>
Lead, Total	0.015	0.0015	--	--	--	--	--	--
Manganese, Dissolved	0.05	0.025	--	--	--	<b>4.12</b>	--	<b>0.153</b>
Manganese, Total	0.05	0.025	--	--	--	--	--	--
Mercury, Dissolved	0.002	0.0002	--	0.0002 U	--	--	--	--
Mercury, Total	0.002	0.0002	--	--	--	--	--	--
Nickel, Dissolved	0.1	0.02	--	0.05 U	--	--	--	--
Nickel, Total	0.1	0.02	--	--	--	--	--	--
Selenium, Dissolved	0.05	0.01	--	0.05 U	--	--	--	--
Selenium, Total	0.05	0.01	--	--	--	--	--	--
Silver, Dissolved	0.05	0.01	--	0.05 U	--	--	--	--
Silver, Total	0.05	0.01	--	--	--	--	--	--
Sulfate	250	125	--	--	--	--	--	--
Thallium, Dissolved	0.002	0.0004	--	0.1 U	--	--	--	--
Vanadium, Dissolved	0.03	0.006	--	--	--	--	--	--
Vanadium, Total	0.03	0.006	--	--	--	--	--	--
Zinc, Dissolved	5	2.5	--	0.5 U	--	--	--	--
Zinc, Total	5	2.5	--	--	--	--	--	--
<b>Petroleum Indicators (mg/L)</b>								
TPH Gasoline			--	0.05 U	--	--	--	--

**Table 3. Groundwater Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	MW-13WW	MW-13WW	MW-13WW	MW-13WW	MW-114	MW-114
Date Sampled:			06/06/01	07/03/02	10/2/2003	12/17/2003	10/1/2003	12/16/2003
Volatile Organic Compounds (µg/L)								
1,1,1,2-Tetrachloroethane	70	7	0.3 U	0.5 U	--	--	--	--
1,1,1-Trichloroethane	200	40	0.21 U	0.3 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-Tetrachloroethane	0.2	0.02	0.22 U	0.4 U	0.415 U	0.415 U	0.415 U	0.415 U
1,1,2-Trichloroethane	5	0.5	0.33 U	0.5 U	0.390 U	0.390 U	0.390 U	0.390 U
1,1-Dichloroethane	850	85	0.17 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1-Dichloroethene	7	0.7	0.85 U	0.5 U	0.291 U	0.291 U	0.291 U	0.291 U
1,1-Dichloropropene			0.46 U	--	--	--	--	--
1,2,3-Trichlorobenzene			0.3 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2,3-Trichloropropane	60	12	0.89 U	5 U	--	--	--	--
1,2,4-Trichlorobenzene	70	14	0.24 U	5 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2,4-Trimethylbenzene			0.34 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
1,3,5-Trimethylbenzene	480	96	0.29 U	--	5.00 U	5.00 U	5.00 U	5.00 U
1,2-Dibromo-3-chloropropane	0.2	0.02	0.69 U	0.6 U	0.894 U	0.894 U	0.894 U	0.894 U
1,2-Dibromoethane	0.05	0.005	0.42 U	0.2 U	0.478 U	0.478 U	0.478 U	0.478 U
1,2-Dichlorobenzene	600	60	0.2 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-Dichloroethane	5	0.5	0.21 U	0.2 U	0.356 U	0.356 U	0.356 U	0.356 U
1,2-Dichloroethene (total)			--	--	--	--	--	--
1,2-Dichloropropane	5	0.5	0.23 U	0.3 U	0.273 U	0.273 U	0.273 U	0.273 U
1,3-Dichlorobenzene	1,250	125	0.12 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
1,3-Dichloropropane			1.4 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
1,4-Dichlorobenzene	75	15	0.31 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
2,2-Dichloropropane			0.28 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Butanone			--	--	--	--	--	--
2-Chlorotoluene			0.19 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Hexanone			--	5 U	--	--	--	--
4-Chlorotoluene			0.21 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Isopropyltoluene			--	5 U	--	--	--	--
4-Methyl-2-pentanone			--	0.5 U	--	--	--	--
Acetone	1,000	200	--	--	--	--	--	--
Benzene	5	0.5	0.29 U	0.5 U	0.291 U	0.291 U	0.291 U	0.291 U
Bromobenzene			0.35 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromochloromethane			0.56 U	--	--	--	--	--

**Table 3. Groundwater Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	MW-13WW	MW-13WW	MW-13WW	MW-13WW	MW-114	MW-114
Date Sampled:			06/06/01	07/03/02	10/2/2003	12/17/2003	10/1/2003	12/16/2003
<b>Volatile Organic Compounds (µg/L)</b>								
Bromodichloromethane	0.6	0.06	0.3 U	0.3 U	0.284 U	0.284 U	0.284 U	0.284 U
Bromoform	4.4	0.44	0.24 U	-- --	-- --	-- --	-- --	-- --
Bromomethane (Methyl bromide)	10	1	0.62 U	-- --	-- --	-- --	-- --	-- --
Carbon disulfide	1,000	200	-- --	-- --	-- --	-- --	-- --	-- --
Carbon tetrachloride	5	0.5	0.22 U	0.5 U	0.341 U	0.341 U	0.341 U	0.341 U
Chlorobenzene	100	20	0.19 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Chlorodibromomethane	60	6	2.8 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethane (Ethyl chloride)	400	80	0.46 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroform	6	0.6	0.29 U	0.5 U	0.299 U	0.299 U	0.299 U	0.299 U
Chloromethane (Methyl chloride)	3	0.3	0.42 U	0.8 U	0.356 U	0.356 U	0.356 U	0.356 U
cis-1,2-Dichloroethene	70	7	0.27 U	5 U	5.00 U	5.00 U	5.00 U	14.3
cis-1,3-Dichloropropene	0.2	0.02	0.23 U	-- --	-- --	-- --	-- --	-- --
trans-1,3-Dichloropropene			0.23 U	-- --	-- --	-- --	-- --	-- --
Dibromomethane			0.22 U	-- --	-- --	-- --	-- --	-- --
Dichlorodifluoromethane	1,000	200	0.12 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Diisopropyl ether			0.23 U	-- --	5.00 U	5.00 U	5.00 U	5.00 U
Ethylbenzene	700	140	0.57 U	-- --	5.00 U	5.00 U	5.00 U	5.00 U
Fluorotrichloromethane			0.31 U	-- --	-- --	-- --	-- --	-- --
Hexachlorobutadiene			0.43 U	-- --	10.0 U	10.0 U	10.0 U	10.0 U
Isopropyl Benzene			0.19 U	-- --	5.00 U	5.00 U	5.00 U	5.00 U
m & p-Xylene			0.35 U	-- --	-- --	-- --	-- --	-- --
Methyl tert-butyl ether	60	12	0.2 U	-- --	0.317 U	0.317 U	0.317 U	0.317 U
Methylene chloride	5	0.5	0.92	8 U	1.75 U	1.75 U	1.75 U	1.75 U
n-Butylbenzene			0.28 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
n-Propylbenzene			0.17 U	-- --	5.00 U	5.00 U	5.00 U	5.00 U
o & p-Xylene			-- --	5 U	-- --	-- --	-- --	-- --
o-Xylene			0.28 U	-- --	-- --	-- --	-- --	-- --
p-Isopropyltoluene			0.25 U	-- --	5.00 U	5.00 U	5.00 U	5.00 U
sec-Butylbenzene			0.2 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Styrene	100	10	0.72 U	-- --	-- --	-- --	-- --	-- --
tert-Butylbenzene			0.23 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethene	5	0.5	0.85 U	5 U	0.364 U	0.364 U	0.364 U	0.364 U

**Table 3. Groundwater Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	MW-13WW	MW-13WW	MW-13WW	MW-13WW	MW-114	MW-114
Date Sampled:			06/06/01	07/03/02	10/2/2003	12/17/2003	10/1/2003	12/16/2003
<b>Volatile Organic Compounds (µg/L)</b>								
Toluene	1,000	200	0.13 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U
trans-1,2-Dichloroethene	100	20	0.35 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethene	5	0.5	0.32 U	5 U	0.232 U	0.232 U	0.232 U	0.232 U
Trichlorofluoromethane	3,490	698	-- --	-- --	5.00 U	5.00 U	5.00 U	-- --
Vinyl Acetate			-- --	0.5 U	-- --	-- --	-- --	-- --
Vinyl chloride	0.2	0.02	0.19 U	5 U	0.312 U	0.312 U	0.312 U	0.312 U
Xylene (total)	10,000	1,000	-- --	-- --	5.00 U	5.00 U	5.00 U	5.00 U
<b>Polynuclear Aromatic Hydrocarbons (µg/L)</b>								
1-Methylnaphthalene			-- --	5 U	-- --	-- --	-- --	-- --
2-Methylnaphthalene			-- --	5 U	-- --	-- --	-- --	-- --
Acenaphthene			-- --	5 U	-- --	-- --	-- --	-- --
Acenaphthylene			-- --	5 U	-- --	-- --	-- --	-- --
Anthracene	3,000	600	-- --	5 U	-- --	-- --	-- --	-- --
Benz (a) anthracene			-- --	0.1 U	-- --	-- --	-- --	-- --
Benzo (a) pyrene	0.2	0.02	-- --	0.02 U	-- --	-- --	-- --	-- --
Benzo (b) fluoranthene	0.2	0.02	-- --	0.02 U	-- --	-- --	-- --	-- --
Benzo (ghi) perylene			-- --	5 U	-- --	-- --	-- --	-- --
Benzo (k) fluoranthene			-- --	0.1 U	-- --	-- --	-- --	-- --
Chrysene	0.2	0.02	-- --	0.02 U	-- --	-- --	-- --	-- --
Dibenz (a,h) anthracene			-- --	0.1 U	-- --	-- --	-- --	-- --
Fluoranthene	400	80	-- --	5 U	-- --	-- --	-- --	-- --
Fluorene	400	80	-- --	5 U	-- --	-- --	-- --	-- --
Indeno (1,2,3-cd) pyrene			-- --	0.02 U	-- --	-- --	-- --	-- --
Naphthalene	40	8	0.27 U	5 U	-- --	-- --	-- --	-- --
Phenanthrene			-- --	5 U	-- --	-- --	-- --	-- --
Pyrene	250	50	-- --	5 U	-- --	-- --	-- --	-- --

**Table 3. Groundwater Sampling Results**  
 Former Wastewater Treatment Plant  
 Former Outokumpu Copper Kenosha Facility  
 Kenosha, Wisconsin

<b>Note/Acronym</b>	<b>Definition</b>
NR140	Department of Natural Resources Groundwater Quality
ES	Enforcement Standard
PAL	Preventative Action Limit
mg/L	milligrams per liter
µg/L	micrograms per liter
-- --	Compound was not analyzed
U	Compound was not detected at or above the reporting limit
<b>bold</b>	Value exceeds ES
<i>italics</i>	Reporting limit value exceeds ES

**Table 4. Groundwater Grab Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	GP01-10	GP01-11	GP01-12
Date Sampled:			6/5/2001	6/5/2001	6/4/2001
<b>Volatile Organic Compounds (µg/L)</b>					
1,1,1,2-Tetrachloroethane	70	7	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	200	40	190	0.21 U	0.21 U
1,1,2,2-Tetrachloroethane	0.2	0.02	0.22 U	0.22 U	0.22 U
1,1,2-Trichloroethane	5	0.5	6.7	0.33 U	0.33 U
1,1-Dichloroethane	850	85	130	0.17 U	0.4
1,1-Dichloroethene	7	0.7	1.5	0.85 U	0.85 U
1,1-Dichloropropene			0.46 U	0.46 U	0.46 U
1,2,3-Trichlorobenzene			0.3 U	0.3 U	0.3 U
1,2,3-Trichloropropane	60	12	0.89 U	0.89 U	0.89 U
1,2,4-Trichlorobenzene	70	14	0.24 U	0.24 U	0.24 U
1,2,4-Trimethylbenzene	480	96	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene			0.29 U	0.29 U	0.29 U
1,2-Dibromo-3-chloropropane	0.2	0.02	0.69 U	0.69 U	0.69 U
1,2-Dibromoethane	0.05	0.005	0.42 U	0.42 U	0.42 U
1,2-Dichlorobenzene	600	60	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	5	0.5	4.1	0.21 U	0.21 U
1,2-Dichloropropane	5	0.5	0.23 U	0.23 U	0.23 U
1,3-Dichlorobenzene	1,250	125	0.12 U	0.12 U	0.12 U
1,3-Dichloropropane			1.4 U	1.4 U	1.4 U
1,4-Dichlorobenzene	75	15	0.31 U	0.31 U	0.31 U
2,2-Dichloropropane			0.28 U	0.28 U	0.28 U
2-Chlorotoluene			0.19 U	0.19 U	0.19 U
4-Chlorotoluene			0.21 U	0.21 U	0.21 U
Benzene	5	0.5	0.29 U	0.29 U	0.29 U
Bromobenzene			0.35 U	0.35 U	0.35 U
Bromochloromethane			0.56 U	0.56 U	0.56 U
Bromodichloromethane	0.6	0.06	0.3 U	0.3 U	0.3 U
Bromoform	4.4	0.44	0.24 U	0.24 U	0.24 U
Bromomethane (Methyl bromide)	10	1	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	5	0.5	0.22 U	0.22 U	0.22 U
Chlorobenzene	100	20	0.19 U	0.19 U	0.19 U
Chlorodibromomethane	60	6	2.8 U	2.8 U	2.8 U
Chloroethane (Ethyl chloride)	400	80	0.64	0.46 U	0.46 U
Chloroform	6	0.6	0.29 U	0.29 U	0.29 U
Chloromethane (Methyl chloride)	3	0.3	0.42 U	0.42 U	0.42 U
cis-1,2-Dichloroethene	70	7	0.27 U	0.27 U	0.27 U
cis-1,3-Dichloropropene	0.2	0.02	0.23 U	0.23 U	0.23 U
trans-1,3-Dichloropropene			0.23 U	0.23 U	0.23 U
Dibromomethane			0.22 U	0.22 U	0.22 U
Dichlorodifluoromethane	1,000	200	0.12 U	0.12 U	0.12 U
Disopropyl ether			0.23 U	0.23 U	0.23 U
Ethylbenzene	700	140	0.57 U	0.57 U	0.57 U
Fluorotrichloromethane			0.31 U	0.31 U	0.31 U
Hexachlorobutadiene			0.43 U	0.43 U	0.43 U
Isopropyl Benzene			0.19 U	0.19 U	0.19 U
m & p-Xylene			0.35 U	0.35 U	0.35 U

**Table 4. Groundwater Grab Sampling Results**  
Former Wastewater Treatment Plant  
Former Outokumpu Copper Kenosha Facility  
Kenosha, Wisconsin

Well Identification:	ES	PAL	GP01-10	GP01-11	GP01-12
Date Sampled:			6/5/2001	6/5/2001	6/4/2001
<b>Volatile Organic Compounds (µg/L)</b>					
Methyl tert-butyl ether	60	12	0.2 U	0.2 U	0.2 U
Methylene chloride	5	0.5	0.78	0.73	0.36 U
Naphthalene	40	8	0.8	0.27 U	0.27 U
n-Butylbenzene			0.28 U	0.28 U	0.28 U
n-Propylbenzene			0.47 U	0.47 U	0.47 U
o-Xylene			0.28 U	0.28 U	0.28 U
p-Isopropyltoluene			0.25 U	0.25 U	0.25 U
sec-Butylbenzene			0.2 U	0.2 U	0.2 U
Styrene	100	10	0.72 U	0.72 U	0.72 U
tert-Butylbenzene			0.23 U	0.23 U	0.23 U
Tetrachloroethene	5	0.5	14	0.85 U	0.85 U
Toluene	1,000	200	0.13 U	0.13 U	0.13 U
trans-1,2-Dichloroethene	100	20	0.35 U	0.35 U	0.35 U
Trichloroethene	5	0.5	8.7	0.32 U	0.32 U
Vinyl chloride	0.2	0.02	0.19 U	0.19 U	0.19 U

**Table 4. Groundwater Grab Sampling Results**  
 Former Wastewater Treatment Plant  
 Former Outokumpu Copper Kenosha Facility  
 Kenosha, Wisconsin

Note/Acronym	Definition
NR140	Department of Natural Resources Groundwater Quality
ES	Enforcement Standard (from NR 140)
PAL	Preventative Action Limit (from NR 140)
mg/L	milligrams per liter
µg/L	micrograms per liter
-- --	Compound was not analyzed
U	Compound was not detected at or above the reporting limit
<b>bold</b>	Value exceeds industrial RCL (soil) or ES (groundwater)
<i>italics</i>	Reporting limit value exceeds industrial RCL (soil) or ES (groundwater)

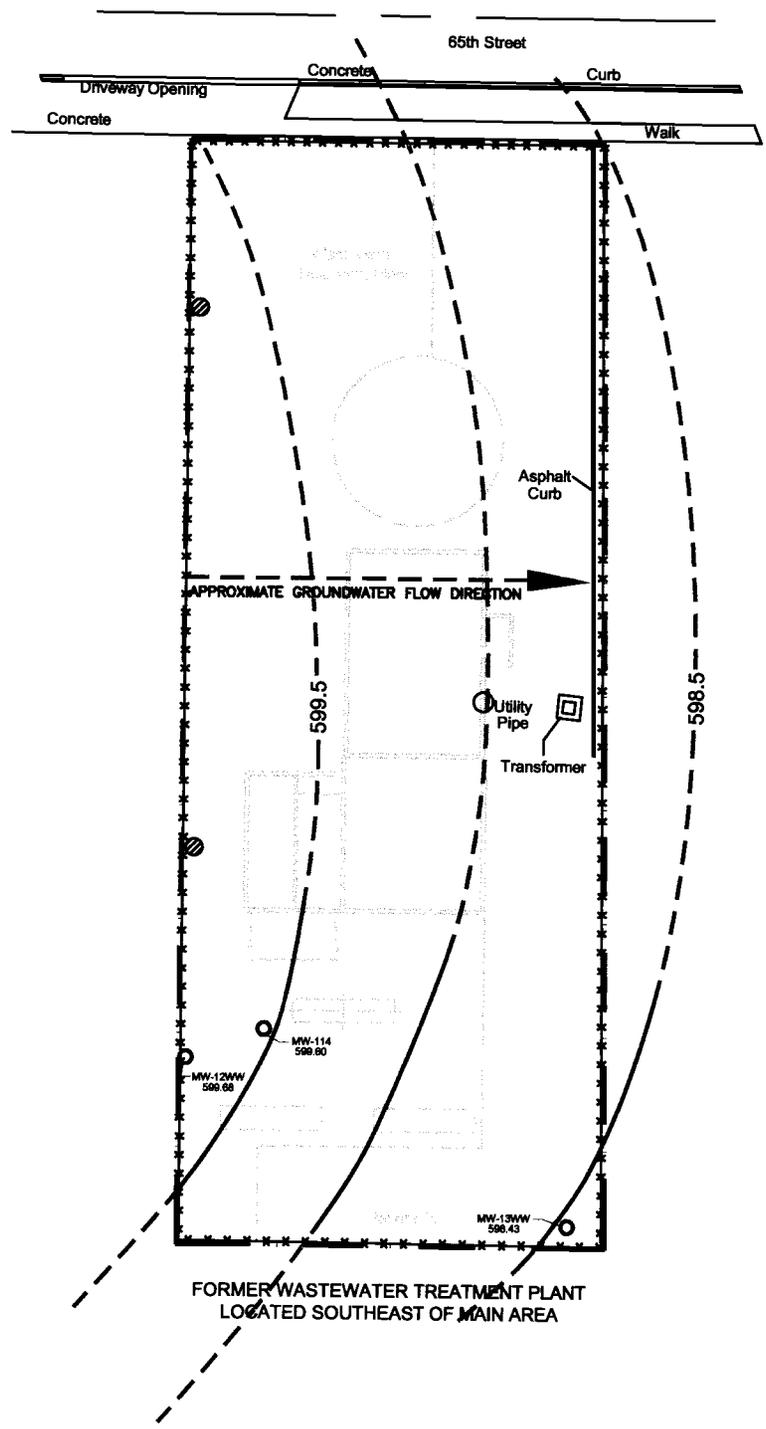
**Table 5. Groundwater Elevations**  
**Former Wastewater Treatment Plant**  
**Former Outokumpu Copper Kenosha Facility**  
**Kenosha, Wisconsin**

Monitoring Well	Groundwater Elevation (feet above mean sea level)			
	7/3/2002	10/1-2/2003	12/16-17/2003	3/22/2004
MW-12WW	600.26	598.72	599.68	600.14
MW-13WW	599.23	597.21	598.43	598.86
MW-114	---	598.48	599.60	599.97

Notes:

No free-product was observed in any well in any measurement.

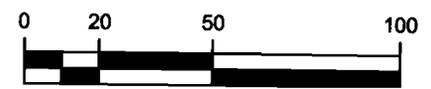
--- indicates no well measurement was taken from MW-114  
because it was not installed until 2003



**LEGEND**

- MONITORING WELL
- BGS BELOW GROUND SURFACE
- PROPERTY LINE
- 608 GROUNDWATER CONTOUR LINES
- 606.75 WATER TABLE ELEVATION (FT. ABOVE MEAN SEA LEVEL) MEASURED DECEMBER 8 - 22, 2003
- FENCE
- CATCH BASIN
- STRUCTURE, FORMER

Note: Water table measurements taken from wells screened at less than 30ft. BGS and correlated with wells in main area.  
 Property boundary was taken from survey completed by Surveying Associates, Inc. May 3, 2004, 29970 wtr.dwg.



SCALE IN FEET  
 1" = 50'-0"

**POTENTIOMETRIC SURFACE MAP  
 FORMER WASTEWATER TREATMENT PLANT  
 FORMER OUTOKUMPU COPPER KENOSHA FACILITY  
 KENOSHA, WISCONSIN**

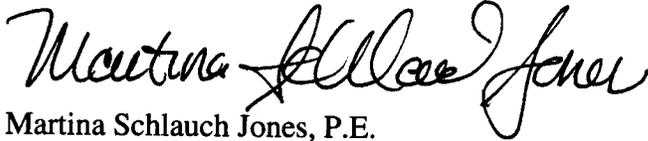
DRAWN BY:	MDH	DATE:	05/17/2004
PROJECT NO:	36268	DWG FILE:	11-04-36266

 <b>TRC</b> <i>Customer-Focused Solutions</i>	10 SOUTH RIVERSIDE PLAZA SUITE 1770 CHICAGO, IL 60606-3807 312-879-0191	FIGURE <b>5</b>
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**Legal Description Statement**

A legal description of the property in question (PIN 05-4-123-06-156-023), of which there is only one, is included with this GIS Registry Packet. I believe the attached legal description is complete and accurate.

**TRC**

A handwritten signature in black ink that reads "Martina Schlauch Jones". The signature is written in a cursive style with a large initial 'M' and a long, sweeping tail on the 'J'.

Martina Schlauch Jones, P.E.  
Project Manager