#### BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

PEOPLE OF THE STATE OF ILLINOIS,	)	
Complainant,	)	
	)	
V.	)	
	)	PCB No. 17 – 45
MAGNA TAX SERVICE CO., INC.,	)	(Enforcement – Land)
Respondent.	)	
	)	

#### **NOTICE OF FILING**

PLEASE TAKE NOTICE that today I have filed with the Office of the Clerk of the Pollution Control Board the Amended Affirmative Defenses of Respondent. Copies of these documents are hereby served upon you.

To: Pollution Control Board, Attn: Clerk 100 West Randolph Street James R. Thompson Center, Suite 11-500 Chicago, Illinois 60601-3218 (via electronic filing)

> Carol Webb, Hearing Officer Illinois Pollution Control Board 1021 North Grand Avenue East P.O. Box 19274 Springfield, Illinois 62794-9274 (Via Email: carol.webb@illinois.gov)

Rachel Medina
Assistant Attorney General
Environmental Bureau
500 South Second Street
Springfield, Illinois 62706
(Via Email: rmedina@atg.state.il.us)

Respectfully submitted, MAGNA TAX SERVICE CO., INC.

By: \_\_\_\_/s/William D. Ingersoll\_\_\_\_\_ One of its Attorneys

Dated: May 8, 2017

#### **BROWN, HAY & STEPHENS, LLP**

William D. Ingersoll Registration No. 6186363 wingersoll@bhslaw.com Claire A. Manning Registration No. 3124724 cmanning@bhslaw.com 205 S. Fifth Street, Suite 700 P.O. Box 2459 Springfield, IL 62705-2459 (217) 544-8491

#### BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

PEOPLE OF THE STATE OF ILLINOIS,	)	
Complainant,	)	
	)	
V.	)	
	)	PCB No. 17 – 45
MAGNA TAX SERVICE CO., INC.,	)	(Enforcement – Land)
Respondent.	)	
	j	

#### **AMENDED AFFIRMATIVE DEFENSES**

Respondent, MAGNA TAX SERVICE CO., INC., by its attorneys Brown, Hay & Stephens, LLP, consistent with the Hearing Officer Order of May 2, 2017, hereby files its Amended Affirmative Defenses in this matter as follows:

#### <u>AFFIRMATIVE DEFENSE I</u> LIMITATION OF LIABILITY PURSUANT TO SECTION 58.9

- 1. The former Young Radiator Property, which is the "Site" as the term is used in the Complaint, has been, at all times relevant to this matter, assigned Illinois Environmental Protection Agency ("Illinois EPA" or "IEPA") Bureau of Land Identification Number 0290255010.
- 2. The Site entered the Site Remediation Program ("SRP") in 1998 consistent with Section 58.1(b) of the Act. The IEPA issued a "No Further Remediation Letter" ("NFR") regarding the Site on September 9, 2008 pursuant to Title XVII of the Act and related SRP regulations. 415 ILCS 5/Title XVII (Sections 58 58.17) and 35 Ill. Adm. Code 740. The NFR was recorded in the Coles County Recorder's Office on September 24, 2008. The recorded NFR was then submitted to IEPA on September 30, 2008 and received on October 3, 2008 by "IEPA/BOL" as shown by the received date stamp on the document in Illinois EPA files. *See*

attached Exhibit A<sup>1</sup>.

3. Section 58.9 of the Act provides in pertinent part:

Sec. 58.9. Liability.

- (a) Cost assignment.
  - (1) Notwithstanding any other provisions of this Act to the contrary, including subsection (f) of Section 22.2, in no event may the Agency, the State of Illinois, or any person bring an action pursuant to this Act or the Groundwater Protection Act to require any person to conduct remedial action or to seek recovery of costs for remedial activity conducted by the State of Illinois or any person beyond the remediation of releases of regulated substances that may be attributed to being proximately caused by such person's act or omission or beyond such person's proportionate degree of responsibility for costs of the remedial action of releases of regulated substances that were proximately caused or contributed to by 2 or more persons.
  - (2) Notwithstanding any provisions in this Act to the contrary, including subsection (f) of Section 22.2, in no event may the State of Illinois or any person require the performance of remedial action pursuant to this Act against any of the following:
    - (A) A person who neither caused nor contributed to in any material respect a release of regulated substances on, in, or under the site that was identified and addressed by the remedial action taken pursuant to this Title.
- 4. IEPA records, as available on its website, pertaining to both the Site Remediation Program NFR issued in 2008 and the pending Leaking Underground Storage Tank Program review of Incident #H-2013-1007 show that the Site has not been actively operated in any manner relating to the complained of chemical constituents since 1985 or before. This was prior to any ownership by Respondent.
- 5. Chemical constituents alleged in the Complaint, at paragraphs 8 and 12, as being at or on the Site did not first come to be located at the Site at any time the Site was owned by Respondent, nor as a result of any activities by Respondent. Therefore, Respondent was not a proximate cause of a release or threatened release of any of the chemical constituents alleged in

<sup>&</sup>lt;sup>1</sup>Copy of recorded NFR as downloaded from the Document Explorer on the IEPA website.

the Complaint to be at or on the Site.

6. Each of the Complaint's five counts are generally based on the alleged existence of these chemical constituents at or on the Site. Each count requests a "cease and desist" order. Except for the impossible option of obtaining a landfill permit (Count III), an order to cease and desist would require the removal and proper disposal of the chemical constituents alleged to be at or on the Site. Since Respondent was not and is not the proximate cause of these chemical constituents being located at or on the Site, such relief should be barred through the application of the limitations on liability in Section 58.9.

# AFFIRMATIVE DEFENSE II COUNTS IV AND V

- 1-2. Respondent realleges and incorporates by reference paragraphs 1 and 2 of Affirmative Defense I as if fully set forth herein as paragraphs 1 and 2 of this Affirmative Defense II.
  - 3. Section 58.10 of the Act provides in pertinent part:
  - Sec. 58.10. Effect of completed remediation; liability releases.
    - (a) The Agency's issuance of the No Further Remediation Letter signifies a release from further responsibilities under this Act in performing the approved remedial action and shall be considered prima facie evidence that the site does not constitute a threat to human health and the environment and does not require further remediation under this Act, so long as the site is utilized in accordance with the terms of the No Further Remediation Letter.
- 4. Counts IV and V of the Complaint particularly allege the existence of these chemical constituents at or on the Site as causing some kind of environmental risk, either water pollution or water pollution hazard. Since the Site was issued an NFR Letter, Section 58.10 of the Act allows the prima facie conclusion that the Site "does not constitute a threat to human health and the environment and does not require further remediation under this Act." The

3

Complaint makes no allegations of rebutting this conclusion. The Complaint's request in both

Counts IV and V for an order requiring Respondent to perform new response action is not

authorized by the Act pursuant to Section 58.10.

WHEREFORE, Respondent respectfully requests that the Board deny Complainant any

relief that would require any performance of a response action or expend any money in

furtherance of any response action or other removal of materials from the Site.

Respectfully submitted,
MAGNA TAX SERVICE CO., INC.

Dated: May 8, 2017

By: /s/William D. Ingersoll
One of its Attorneys

**BROWN, HAY & STEPHENS, LLP** 

William D. Ingersoll Registration No. 6186363 wingersoll@bhslaw.com Claire A. Manning Registration No. 3124724 cmanning@bhslaw.com 205 S. Fifth Street, Suite 700 P.O. Box 2459 Springfield, IL 62705-2459 (217) 544-8491

#### CERTIFICATE OF E-MAIL SERVICE

I, William D. Ingersoll, certify that I have this date served the attached Notice of Filing and Amended Affirmative Defenses by e-mail as described below and from my e-mail address as indicated below, upon the following persons:

To: Carol Webb Hearing Officer Illinois Pollution Control Board carol.webb@illinois.gov Rachel Medina Assistant Attorney General Environmental Bureau rmedina@atg.state.il.us

The number of pages in this e-mail transmission is fifty-eight (58).

Dated: May 8, 2017

#### **BROWN, HAY & STEPHENS, LLP**

William D. Ingersoll Registration No. 6186363 wingersoll@bhslaw.com 205 S. Fifth Street, Suite 700 P.O. Box 2459 Springfield, IL 62705-2459 (217) 544-8491

By: <u>/s/William D. Ingersoll</u>
William D. Ingersoll



Direct Dial 412 394 2373 Email: jbrendel@thorpreed.com

September 30, 2008

ATTORNEYS AT LAW SINCE 1895

#### VIA CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Robert E. O'Hara
Illinois Environmental Protection Agency
Bureau of Land/RPMS
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

RECORDED

Re:

Recording of No Further Remediation Letter

0290255010/Coles

Mattoon/Young Radiator

SRITECH

Dear Mr. O'Hara:

Pursuant to the No Further Remediation Letter, dated September 9, 2008, enclosed please find a certified copy of the No Further Remediation Letter, as recorded on September 24, 2008 by the Office of the Recorder of Coles County.

If you have any questions with respect to this matter, please feel free to contact me.

Very truly yours,

Joseph R. Brendel

JRB/dld

Enclosure

cc:

Todd R. Shingleton (w/encl.) (via U.S. Mail)

Dennis D. Ballinger (w/encl.) (via U.S. Mail)

OCT 09 2008

REI EASABLE

Joseph R Brendel

SEVIEWER MD

Thorp Reed & Armstrong, LLP One Oxford Centre 301 Grant Street, 14th Floor Pittsburgh, PA 15219-1425 412 394 7711 412 394 2555 Fax

Pittsburgh

Philadelphia

Princeton

Wheeling

RECEIVED

OCT 0 3 2008

IEPA/BOL

PREPARED BY:

Name: Todd R. Shingleton

Wabtec Corporation

Address: 1001 Air Brake Avenue

Wilmerding, PA 15148

RECORDED NFR

RETURN TO:

Name: Todd R. Shingleton

Wabtec Corporation

Address: 1001 Air Brake Avenue

Wilmerding, PA, 15148

RECEIVED

OCT 0 3 2008

IEPA/BOL

RELEASARLE

10.00

OCT 09 2008

REVIEWER MD

#### THE ABOVE SPACE FOR RECORDER'S OFFICE

200800710182

SUE RENNELS

ENVIR DISCL

RHSP Fund

Filed for Record in COLES COUNTY, ILLINOIS

09-24-2008 At 02:37 pm.

The remediation applicant must submit this Environmental No Further Remediation Letter within 45 days of its receipt, to the Office of the Recorder of Coles County.

Illinois State EPA Number: 0290255010

American Geosciences, Inc., the Remediation Applicant, whose address is 3925 Reed Boulevard, Suite 400, Murrysville, PA 15668 has performed investigative and/or remedial activities for the remediation site depicted on the attached Site Base Map and identified by the following:

1. Legal description or Reference to a Plat Showing the Boundaries:

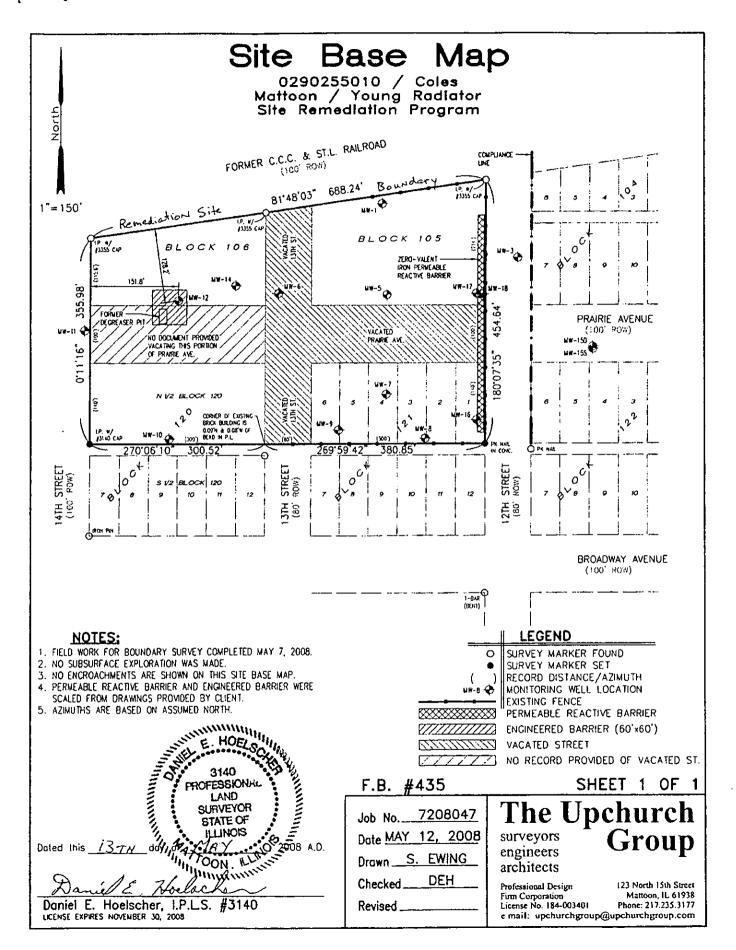
#### Tract 1:

All of Blocks One Hundred-Five (105) and One Hundred-Six (106) and the North One-Half (1/2) of Block One Hundred-Twenty (120) in the Original Town, now City of Mattoon, including the strip of ground that originally was between said Block One Hundred-Six (106) and said Block One Hundred-Twenty (120), which strip of ground was originally a portion of Prairie Avenue in said City of Mattoon, and that part of Prairie Avenue from the West Side of Twelfth (12<sup>th</sup>) Street to the West Side of Thirteenth (13<sup>th</sup>) Street, and which portion of said Prairie Avenue has been vacated by the City Council of the City of Mattoon, and also the strip of ground that originally was between said Block One Hundred-Five (105) and said Block One Hundred-Six (106), which strip of ground was originally a part of Thirteenth (13th) Street, lying between the South line of Richmond Avenue and the North line of Prairie Avenue, and that part of Thirteenth (13<sup>th</sup>) Street from the South Side of Prairie Avenue to the North Side of Alley between Prairie Avenue and Broadway Avenue, in said City of Mattoon, and which portions of said Thirteenth (13th) Street that have been vacated by the City Council of the City of Mattoon; all situated in the City of Mattoon, County of Coles and State of Illinois.

#### Tract 2:

Lots One (1), Two (2) Three (3), Four (4), Five (5) and Six (6) in Block One-Hundred Twenty-One (121) in the Original Town, now City of Mattoon, situated in the County of Coles, State of Illinois.

- 2. Common Address: 120 North 14th Street, Mattoon, IL
- 3. Real Estate Tax Index/Parcel Index Number: Tract 1: 07-1-03651-000; Tract 2: 07-1-03867-000
- 4. Remediation Site Owner: Magna Tax Services Co., Inc.
- 5. Land Use: Industrial/Commercial
- 6. Site Investigation: Focused



#### SITE REMEDIATION PROGRAM TABLE A: REGULATED SUBSTANCES OF CONCERN 0290255010/Young Radiator

Volatile Organic Compounds

Volatile Organic Compounds								
CAS No.	Compound Name							
67-64-1	Acetone							
107-02-8	Acrolein (Propenal)							
79-10-7	Acrylic Acid							
107-13-1	Acrylonitrile							
71-43-2	Benzene							
314-40-9	Bromacil							
108-86-1	Bromobenzene							
74-97-5	Bromochloromethane							
75-27-4	Bromodichloromethane							
75-25-2	Bromoform							
74-83-9	Bromomethane							
106-99-0	1,3-Butadiene							
71-36-3	n-Butanol (Butanol)							
78-93-3	2-Butanone (MEK)							
104-51-8	n-Butylbenzene							
135-98-9	sec-Butylbenzene							
98-06-6	tert-Butylbenzene							
105-60-2	Caprolactam							
75-15-0	Carbon Disulfide							
56-23-5	Carbon Tetrachloride							
108-90-7	Chlorobenzene							
124-48-1	Chlorodibromomethane							
	(Dibromochloromethane)							
75-00-3	Chloroethane							
67-66-3	Chloroform							
74-87-3	Chloromethane							
95-49-8	2-Chlorotoluene							
106-43-4	4-Chlorotoluene							
108-94-1	Cyclohexanone							
96-12-8	1,2-Dibromo-3-Chloropropane							
74-95-3	Dibromomethane							
106-93-4	1,2-Dibromomethane							
75-34-3	1,1-Dichloroethane							
107-06-2	1,2-Dichloroethane							
75-35-4	1,1-Dichloroethene							
156-60-5	trans-1,2-Dichloroethene							
156-59-2	cis-1,2-Dichloroethene							
75-71-8	Dichlorodifluoromethane							
78-87-5	1,2-Dichloropropane							
142-28-9	1,3-Dichloropropane							
594-20-7	2,2-Dichloropropane							
563-58-6	1,1-Dichloropropene							
	<u> </u>							

10061-02-6         trans-1,3-Dichloropropene           10061-01-5         cis-1,3-Dichloropropene           111-90-0         Diethylene Glycol Monoethyl Ether           123-91-1         1,4-Dioxane           64-17-5         Ethanol           141-78-6         Ethyl Acetate           140-88-5         Ethyl Acrylate           100-41-4         Ethylbenzene           107-21-1         Ethylene Glycol           111-76-2         Ethylene Glycol Monobutyl Ether           103-11-8         2-Ethylhexyl Acrylate           50-00-0         Formaldehyde           98-01-1         Furfural	
111-90-0         Diethylene Glycol Monoethyl Ether           123-91-1         1,4-Dioxane           64-17-5         Ethanol           141-78-6         Ethyl Acetate           140-88-5         Ethyl Acrylate           100-41-4         Ethylbenzene           107-21-1         Ethylene Glycol           111-76-2         Ethylene Glycol Monobutyl Ether           103-11-8         2-Ethylhexyl Acrylate           50-00-0         Formaldehyde           98-01-1         Furfural	
123-91-1       1,4-Dioxane         64-17-5       Ethanol         141-78-6       Ethyl Acetate         140-88-5       Ethyl Acrylate         100-41-4       Ethylbenzene         107-21-1       Ethylene Glycol         111-76-2       Ethylene Glycol Monobutyl Ether         103-11-8       2-Ethylhexyl Acrylate         50-00-0       Formaldehyde         98-01-1       Furfural	
64-17-5         Ethanol           141-78-6         Ethyl Acetate           140-88-5         Ethyl Acrylate           100-41-4         Ethylbenzene           107-21-1         Ethylene Glycol           111-76-2         Ethylene Glycol Monobutyl Ether           103-11-8         2-Ethylhexyl Acrylate           50-00-0         Formaldehyde           98-01-1         Furfural	
141-78-6         Ethyl Acetate           140-88-5         Ethyl Acrylate           100-41-4         Ethylbenzene           107-21-1         Ethylene Glycol           111-76-2         Ethylene Glycol Monobutyl Ether           103-11-8         2-Ethylhexyl Acrylate           50-00-0         Formaldehyde           98-01-1         Furfural	
140-88-5         Ethyl Acrylate           100-41-4         Ethylbenzene           107-21-1         Ethylene Glycol           111-76-2         Ethylene Glycol Monobutyl Ether           103-11-8         2-Ethylhexyl Acrylate           50-00-0         Formaldehyde           98-01-1         Furfural	
100-41-4Ethylbenzene107-21-1Ethylene Glycol111-76-2Ethylene Glycol Monobutyl Ether103-11-82-Ethylhexyl Acrylate50-00-0Formaldehyde98-01-1Furfural	. ~
107-21-1Ethylene Glycol111-76-2Ethylene Glycol Monobutyl Ether103-11-82-Ethylhexyl Acrylate50-00-0Formaldehyde98-01-1Furfural	
111-76-2 Ethylene Glycol Monobutyl Ether 103-11-8 2-Ethylhexyl Acrylate 50-00-0 Formaldehyde 98-01-1 Furfural	
103-11-8       2-Ethylhexyl Acrylate         50-00-0       Formaldehyde         98-01-1       Furfural	
50-00-0         Formaldehyde           98-01-1         Furfural	
98-01-1 Furfural	
<u> </u>	
110-54-3 Hexane	
591-78-6 2-Hexanone	
74-88-4 Iodomethane (Methyl Iodide)	
78-83-1 Isobutyl Alcohol (Isobutanol)	
67-63-0 Isopropyl Alcohol (Isopropanol)	
98-82-4 Isopropylbenzene (Cumene)	
99-87-6 p-Isopropyltoluene	
67-56-1 Methyl Alcohol (Methanol)	
79-20-9 Methyl Acetate	
108-87-2 Methylcyclohexane	
75-09-2 Methylene Chloride	
108-10-1 4-Methyl-2-Pentanone (MIBK)	
1634-04-4 Methyl Tertiary Butyl Ether	
(MTBE)	
91-20-3 Naphthalene	
109-60-4 n-Propyl Acetate	
103-65-1 n-Propylbenzene	_
57-55-6 Propylene Glycol	
107-98-2 Propylene Glycol Monoethyl Ether	
100-42-5 Styrene	
127-18-4 Tetrachloroethene	
630-20-6 1,1,1,2-Tetrachloroethane	
79-34-5 1,1,2,2-Tetrachloroethane	
109-99-9 Tetrahydrofuran	
79-01-6 Trichloroethene	
71-55-6 1,1,1-Trichloroethane	
79-00-5 1,1,2-Trichloroethane	
75-69-4 Trichlorofluoromethane	
100 10 4	
96-18-4 1,2,3-Trichloropropane	
95-63-6 1,2,4-Trimethylbenzene	
95-63-6         1,2,4-Trimethylbenzene           99-35-4         1,3,5-Trimethylbenzene	
95-63-6       1,2,4-Trimethylbenzene         99-35-4       1,3,5-Trimethylbenzene         108-88-3       Toluene	
95-63-6       1,2,4-Trimethylbenzene         99-35-4       1,3,5-Trimethylbenzene         108-88-3       Toluene         108-05-4       Vinyl Acetate	
95-63-6       1,2,4-Trimethylbenzene         99-35-4       1,3,5-Trimethylbenzene         108-88-3       Toluene	

Semivolatile Organic Compounds

Semivolatile Organ	ic Compounds
CAS No.	
83-32-9	Acenaphthene
208-96-8	Acenaphthylene
62-53-3	Aniline
120-12-7	Anthracene
25057-89-0	Bentazon
100-52-7	Benzaldehyde
92-87-5	Benzidine
56-55-3	Benzo(a)anthracene
50-32-8	Benzo(a)pyrene
205-99-2	Benzo(b)fluoranthene
191-24-2	Benzo(g,h,i)perylene
207-08-9	Benzo(k)fluoranthene
100-51-6	Benzyl Alcohol
65-85-0	Benzoic acid
111-44-4	bis(2-Chloroethyl)ether
111-91-1	bis(2-Chloroethoxy)methane
117-81-7	bis(2-Ethylhexyl)phthalate
101-55-3	4-Bromophenyl-phenyl ether
1689-84-5	Bromoxycil
85-68-7	Butyl benzyl phthalate
98-54-4	para-tert-Butylphenol
86-74-8	Carbazole
1563-66-2	Carbofuran
106-47-8	4-Chloroaniline
59-50-7	4-Chloro-3-methlyphenol
91-58-7	2-Chloronaphthalene
95-57-8	2-Chlorophenol
7005-72-3	4-Chlorophenyl-phenyl ether
218-01-9	Chrysene
53-70-3	Dibenzo(a,h)anthracene
132-64-9	Dibenzofuran
95-50-1	1,2-Dichlorobenzene
541-73-1	1,3-Dichlorobenzene
106-46-7	1,4-Dichlorobenzene
91-94-1	3,3'-Dichlorobenzidine
120-83-2	2,4-Dichlorophenol
84-66-2	Diethylphthalate
105-67-9	2,4-Dimethylphenol
131-11-3	Dimethylphthalate
99-65 <b>-</b> 0	1,3-Dinitorbenzene
84-74-2	Di-n-butylphthalate
534-52-1	4,6-Dinitro-2-methylphenol
51-28-5	2,4-Dinitrophenol
121-14-2	2,4-Dinitrotoluene
606-20-2	2,6-Dinitrotoluene
<del></del>	·

11/-84-0   Di-n-octyl phthalate	117.04.0	List and Later
Section	117-84-0	Di-n-octyl phthalate
118-74-1	<u> </u>	
87-68-3         Hexachlorobutadiene           77-47-4         Hexachlorocyclopentadiene           67-72-1         Hexachlorocyclopentadiene           193-39-5         Indeno(1,2,3-cd)pyrene           78-59-1         Isophorone           101-14-4         4,4'-Methylene bis(2-chlorophenol           59-50-7         3-Methyl-4-Chlorophenol           101-77-9         4,4'-Methylenedianiline           91-57-6         2-Methylaphthalene           95-48-7         2-Methylphenol (o-Cresol)           108-39-4         3-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitrosodiphenylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           87-01-8         Phenol           129-00-0         Pyrene	<u> </u>	
77-47-4         Hexachlorocyclopentadiene           67-72-1         Hexachloroethane           193-39-5         Indeno(1,2,3-cd)pyrene           78-59-1         Isophorone           101-14-4         4,4'-Methylene bis(2-chlorophenol           101-77-9         3-Methyl-4-Chlorophenol           91-57-6         2-Methylnaphthalene           95-48-7         2-Methylphenol (o-Cresol)           108-39-4         3-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenol           108-95-2         Phenol           129-00-0         Pyrene           121-82-4		<u> </u>
67-72-1         Hexachloroethane           193-39-5         Indeno(1,2,3-cd)pyrene           78-59-1         Isophorone           101-14-4         4,4'-Methylene bis(2-chloroaniline)           59-50-7         3-Methyl-4-Chlorophenol           101-77-9         4,4'-Methylenedianiline           91-57-6         2-Methylphenol (o-Cresol)           108-39-4         3-Methylphenol (o-Cresol)           106-44-5         4-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitrosodi-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79		Hexachlorobutadiene
193-39-5	<u> </u>	<del> </del>
T8-59-1		Hexachloroethane
101-14-4	193-39-5	Indeno(1,2,3-cd)pyrene
Chloroaniline   S9-50-7   3-Methyl-4-Chlorophenol   101-77-9   4,4'-Methylenedianiline   91-57-6   2-Methylphenol (o-Cresol)   108-39-4   3-Methylphenol (o-Cresol)   108-39-4   3-Methylphenol (p-Cresol)   109-06-8   2-Methylphenol (p-Cresol)   109-06-8   2-Methylphenol (p-Cresol)   109-06-8   2-Methylpyridine   88-74-4   2-Nitroaniline   99-09-2   3-Nitroaniline   100-01-6   4-Nitroaniline   98-95-3   Nitrobenzene   S5-63-0   Nitroglycerin   88-75-5   2-Nitrophenol   100-02-7   4-Nitrophenol   100-02-7   4-Nitroso-di-n-propylamine   621-64-7   N-Nitroso-di-n-propylamine   108-60-1   2,2'-oxybis(1-chloropropane)   82-68-8   Pentachloronitrobenzene   87-86-5   Pentachlorophenol   85-01-8   Phenol   108-95-2   Phenol   129-00-0   Pyrene   121-82-4   RDX (Cyclonite)   118-79-6   2,4,6-Triblorobenzene   120-82-1   1,2,4-Trichlorobenzene   120-82-1   1,3,5-Trinitrobenzene   99-35-4   2,4,5-Trichlorophenol   88-06-2   2,4,6-Trichlorophenol   88-06-2   2,4,6-Trichlorophenol   88-06-2   2,4,6-Trichlorophenol   88-06-2   2,4,6-Trichlorophenol   88-06-2   2,4,6-Trichlorophenol   2,4,6-Trichlorophenol	78-59-1	
59-50-7         3-Methyl-4-Chlorophenol           101-77-9         4,4'-Methylenedianiline           91-57-6         2-Methylnaphthalene           95-48-7         2-Methylphenol (o-Cresol)           108-39-4         3-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitrosodiphenylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,3,5-Trinitrobenzene           95-95-4 <t< td=""><td>101-14-4</td><td>4,4'-Methylene bis(2-</td></t<>	101-14-4	4,4'-Methylene bis(2-
101-77-9         4,4'-Methylenedianiline           91-57-6         2-Methylnaphthalene           95-48-7         2-Methylphenol (o-Cresol)           108-39-4         3-Methylphenol (p-Cresol)           106-44-5         4-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitrosodi-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2<		chloroaniline)
91-57-6         2-Methylnaphthalene           95-48-7         2-Methylphenol (o-Cresol)           108-39-4         3-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitrosodiphenylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	59-50-7	3-Methyl-4-Chlorophenol
95-48-7         2-Methylphenol (o-Cresol)           108-39-4         3-Methylphenol           106-44-5         4-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,6-Trichlorophenol	101-77-9	4,4'-Methylenedianiline
108-39-4         3-Methylphenol           106-44-5         4-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Tribrlorophenol	91-57-6	
106-44-5         4-Methylphenol (p-Cresol)           109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,6-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	95-48-7	2-Methylphenol (o-Cresol)
109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,6-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	108-39-4	3-Methylphenol
109-06-8         2-Methylpyridine           88-74-4         2-Nitroaniline           99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,6-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	106-44-5	4-Methylphenol (p-Cresol)
99-09-2         3-Nitroaniline           100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	109-06-8	
100-01-6         4-Nitroaniline           98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	88-74-4	2-Nitroaniline
98-95-3         Nitrobenzene           55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	99-09-2	3-Nitroaniline
55-63-0         Nitroglycerin           88-75-5         2-Nitrophenol           100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	100-01-6	4-Nitroaniline
88-75-5       2-Nitrophenol         100-02-7       4-Nitrophenol         86-30-6       N-Nitrosodiphenylamine         621-64-7       N-Nitroso-di-n-propylamine         108-60-1       2,2'-oxybis(1-chloropropane)         82-68-8       Pentachloronitrobenzene         87-86-5       Pentachlorophenol         85-01-8       Phenanthrene         108-95-2       Phenol         129-00-0       Pyrene         121-82-4       RDX (Cyclonite)         118-79-6       2,4,6-Tribromophenol         87-61-6       1,2,3-Trichlorobenzene         120-82-1       1,2,4-Trichlorobenzene         99-35-4       1,3,5-Trinitrobenzene         95-95-4       2,4,5-Trichlorophenol         88-06-2       2,4,6-Trichlorophenol	98-95-3	Nitrobenzene
100-02-7         4-Nitrophenol           86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	55-63-0	Nitroglycerin
86-30-6         N-Nitrosodiphenylamine           621-64-7         N-Nitroso-di-n-propylamine           108-60-1         2,2'-oxybis(1-chloropropane)           82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	88-75-5	2-Nitrophenol
621-64-7       N-Nitroso-di-n-propylamine         108-60-1       2,2'-oxybis(1-chloropropane)         82-68-8       Pentachloronitrobenzene         87-86-5       Pentachlorophenol         85-01-8       Phenanthrene         108-95-2       Phenol         129-00-0       Pyrene         121-82-4       RDX (Cyclonite)         118-79-6       2,4,6-Tribromophenol         87-61-6       1,2,3-Trichlorobenzene         120-82-1       1,2,4-Trichlorobenzene         99-35-4       1,3,5-Trinitrobenzene         95-95-4       2,4,5-Trichlorophenol         88-06-2       2,4,6-Trichlorophenol	100-02-7	4-Nitrophenol
621-64-7       N-Nitroso-di-n-propylamine         108-60-1       2,2'-oxybis(1-chloropropane)         82-68-8       Pentachloronitrobenzene         87-86-5       Pentachlorophenol         85-01-8       Phenanthrene         108-95-2       Phenol         129-00-0       Pyrene         121-82-4       RDX (Cyclonite)         118-79-6       2,4,6-Tribromophenol         87-61-6       1,2,3-Trichlorobenzene         120-82-1       1,2,4-Trichlorobenzene         99-35-4       1,3,5-Trinitrobenzene         95-95-4       2,4,5-Trichlorophenol         88-06-2       2,4,6-Trichlorophenol	86-30-6	N-Nitrosodiphenylamine
82-68-8         Pentachloronitrobenzene           87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	621-64-7	
87-86-5         Pentachlorophenol           85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	108-60-1	2,2'-oxybis(1-chloropropane)
85-01-8         Phenanthrene           108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	82-68-8	Pentachloronitrobenzene
108-95-2         Phenol           129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	87-86-5	Pentachlorophenol
129-00-0         Pyrene           121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	85-01-8	Phenanthrene
121-82-4         RDX (Cyclonite)           118-79-6         2,4,6-Tribromophenol           87-61-6         1,2,3-Trichlorobenzene           120-82-1         1,2,4-Trichlorobenzene           99-35-4         1,3,5-Trinitrobenzene           95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	108-95-2	Phenol
121-82-4       RDX (Cyclonite)         118-79-6       2,4,6-Tribromophenol         87-61-6       1,2,3-Trichlorobenzene         120-82-1       1,2,4-Trichlorobenzene         99-35-4       1,3,5-Trinitrobenzene         95-95-4       2,4,5-Trichlorophenol         88-06-2       2,4,6-Trichlorophenol	129-00-0	Pyrene
87-61-6       1,2,3-Trichlorobenzene         120-82-1       1,2,4-Trichlorobenzene         99-35-4       1,3,5-Trinitrobenzene         95-95-4       2,4,5-Trichlorophenol         88-06-2       2,4,6-Trichlorophenol	121-82-4	
120-82-1       1,2,4-Trichlorobenzene         99-35-4       1,3,5-Trinitrobenzene         95-95-4       2,4,5-Trichlorophenol         88-06-2       2,4,6-Trichlorophenol	118-79-6	2,4,6-Tribromophenol
99-35-4       1,3,5-Trinitrobenzene         95-95-4       2,4,5-Trichlorophenol         88-06-2       2,4,6-Trichlorophenol	87-61-6	1,2,3-Trichlorobenzene
95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	120-82-1	1,2,4-Trichlorobenzene
95-95-4         2,4,5-Trichlorophenol           88-06-2         2,4,6-Trichlorophenol	99-35-4	
	95-95-4	
118-96-7 2,4,6-Trinitrotoluene	88-06-2	2,4,6-Trichlorophenol
	118-96-7	2,4,6-Trinitrotoluene

# PROPERTY OWNER CERTIFICATION OF THE NFR LETTER UNDER THE SITE REMEDIATION PROGRAM

Where the Remediation Applicant (RA) is not the sole owner of the remediation site, the RA shall obtain the certification by original signature of each owner, or authorized agent of the owner(s), of the remediation site or any portion thereof who is not an RA. The property owner(s), or the duly authorized agent of the owner(s) must certify, by original signature, the statement appearing below. This certification shall be recorded in accordance with Illinois Administrative Code 740.620.

Include the full legal name, title, the company, the street address, the city, the state, the ZIP code, and the telephone number of all other property owners. Include the site name, street address, city, ZIP code, county, Illinois inventory identification number and real estate tax index/parcel index number.

A duly authorized agent means a person who is authorized by written consent or by law to act on behalf of a property owner including, but not limited to:

- 1. For corporations, a principal executive officer of at least the level of vice-president;
- 2. For a sole proprietorship or partnership, the proprietor or a general partner, respectively; and
- 3. For a municipality, state or other public agency, the head of the agency or ranking elected official.

For multiple property owners, attach additional sheets containing the information described above, along with a signed, dated certification for each. All property owner certifications must be recorded along with the attached NFR letter.

Property Owner Information Owner's Name: MASUA TAX SERVICE CO., IWC Title: PRESIDENT - DENNIS D. BALLINGER
Company: Street Address: 119 W. WILLIAM ST SUITE 300 POST OFFICE BOX 1452
City: OECATUR State: IL Zip Code: (2525 Phone: (217) 429-5050
Site Name: MATTOON / YOUNG PADIATOR
Site Address: 120 WORTH 14TH STREET MATTOON, IL
City: MATTOON State: FL Zip Code: 61938 County: COLES
Illinois inventory identification number: 0290255016/COLFS
Real Estate Tax Index/Parcel Index No. 07-1-03651-000 & 07-/-03867-000
I hereby certify that I have reviewed the attached No Further Remediation Letter and that I accept the terms and conditions and any land use limitations set forth in the letter.  MAGNA TAX SERVICE CO, TWC  Owner's Signature:  BY DEVICE CO, TWC  SUBSCRIBED AND SWORN TO BEFORE ME  Abits 120 Mg. And Sworn TO BEFORE ME
this 12 day of see, 2008  PATRICIA M. LINDGREN  Notary Public  PATRICIA M. LINDGREN  NOTARY PUBLIC, STATE OF ILLINOIS  MY COMMISSION EXPIRES 05-16-2009  Notary Public

The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. If the Remediation Applicant is not also the sole owner of the remediation site, this form must be completed by all owners of the remediation site and recorded with the NFR Letter. Failure to do ad may void the NFR Letter. This form has been approved by the Forms Management Center. All information submitted to the Site Remediation Program is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.



#### CORPORATION FILE DETAIL REPORT

Entity Name	MAGNA TAX SERVICE CO., INC.	File Number	54788789
Status	GOODSTANDING		
Entity Type	CORPORATION	Type of Corp	DOMESTIC BCA
Incorporation Date (Domestic)	09/02/1987	State	ILLINOIS
Agent Name	DENNIS D BALLINGER	Agent Change Date	09/02/1987
Agent Street Address	119 W WILLIAM ST SUITE 300	President Name & Address	DENNIS D BALLINGER 381 GREENWAY LANE DECATUR 62521
Agent City	DECATUR	Secretary Name & Address	DENNIS D BALLINGER 381 GREENWAY LANE DECATUR 62521
Agent Zip	62523	Duration Date	PERPETUAL
Annual Report Filing Date	07/23/2008	For Year	2008

Return to the Search Screen

Purchase Certificate of Good Standing

(One Certificate per Transaction)

BACK TO CYBERDRIVEILLINOIS.COM HOME PAGE



#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 – ( 217) 782-3397 JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 – (312) 814-6026

(217) 782-6761

ROD R. BLAGOJEVICH, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

September 9, 2008

**CERTIFIED MAIL** 

7007 0220 0000 0150 6888

Todd R. Shingleton Wabtec Corporation 1001 Air Brake Avenue Wilmerding, PA 15148

Re: 0290255010 /Coles

Mattoon /Young Radiator

Site Remediation Program/Technical Reports

No Further Remediation Letter

Dear Mr. Shingleton:

The Remedial Action Completion Report (Date March 2007/Log Number 07-33177) and the Revised Results of Additional Groundwater Monitoring (dated April 2, 2008/Log No. 0837294), as prepared by Parsons and American Geosciences, Inc. respectively for the above referenced Remediation Site, has been reviewed by the Illinois Environmental Protection Agency ("Illinois EPA") and demonstrates that the remedial action was completed in accordance with the Revised Remedial Action Plan (dated February 2003/Log No. 03-0760).

The Remediation Site, consisting of 6.25 acres, is located at 120 North 14th Street, Mattoon, Illinois. Pursuant to Section 58.10 of the Illinois Environmental Protection Act ("Act") (415 ILCS 5/1 et seq.), your request for a no further remediation determination is granted under the conditions and terms specified in this letter. The Remediation Applicant, as identified on the Illinois EPA's Site Remediation Program DRM-1 Form received August 29, 2008 is Young Radiator Co., Inc. c/o Wabtec Corporation.

This focused No Further Remediation Letter ("Letter") signifies a release from further responsibilities under the Act for the performance of the approved remedial action. This Letter shall be considered prima facie evidence that the Remediation Site described in the attached Illinois EPA Site Remediation Program Environmental Notice and shown in the attached Site Base Map does not constitute a threat to human health and the environment for the specified recognized environmental conditions so long as the Site is utilized in accordance with the terms and conditions of this Letter.

٦

#### Conditions and Terms of Approval

#### Level of Remediation and Land Use Limitations

- 1) The land use specified in this Letter may be revised if:
  - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use.
  - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.
- 2) The Remediation Site is restricted to Industrial/Commercial land use.
- 3) The recognized environmental conditions, as characterized by the focused site investigation, consist of the following:
  - a) Regulated substances of concern that have been successfully addressed are detailed in the attached Table A.

#### **Engineering Controls:**

4) The concrete cap barrier, as shown in the attached Site Base Map, must remain over the contaminated soils. This concrete cap barrier must be properly maintained as an engineered barrier to inhibit inhalation and ingestion exposure to the contaminated media.

#### Institutional Controls:

- 5) No person shall construct, install, maintain, or operate a well at the Remediation Site. All water supplies and water services for the Remediation Site must be obtained from a public water supply system. The provisions of this institutional control shall be applicable to all water usage (e.g., domestic, industrial/commercial uses and outdoor watering).
- 6) The City of Mattoon agrees through the use of a highway authority agreement dated October 10, 2005, to allow contaminated groundwater, adjacent to the boundary of the Site located at 120 North 14<sup>th</sup> Street, to remain beneath its highway right-of-way. The highway owner also agrees that the contaminated groundwater shall not be utilized as potable or other domestic supply water.

#### Other Terms

7) At a minimum, a safety plan should be developed to address possible worker exposure in the event that any future excavation and construction activities may occur within the contaminated soil that lies beneath the concrete engineered barrier. Any excavation within the contaminated soil will require implementation of a safety plan consistent with NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, OSHA regulations (particularly in 29 CFR 1910 and 1926), state and local regulations, and other USEPA guidance. Soil excavated below the engineered barrier must be returned to the same depth from which it was excavated or properly managed or disposed in accordance with applicable state and federal regulations.

- 8) Where the Remediation Applicant is <u>not</u> the sole owner of the Remediation Site, the Remediation Applicant shall complete the attached *Property Owner Certification of the No Further Remediation Letter under the Site Remediation Program* Form. This certification, by original signature of each property owner, or the authorized agent of the owner(s), of the Remediation Site or any portion thereof who is not a Remediation Applicant shall be recorded along with this Letter.
- 9) Further information regarding this Remediation Site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency Attn: Freedom of Information Act Officer Bureau of Land-#24 1021 North Grand Avenue East Post Office Box 19276 Springfield, IL 62794-9276

- 10) Pursuant to Section 58.10(f) of the Act (415 ILCS 5/58.10(f)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current titleholder and to the Remediation Applicant at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of the Letter under Sections 58.10(e)(1)-(7) of the Act (415 ILCS 5/58.10(e)(1)-(7)) include, but shall not be limited to:
  - a) Any violation of institutional controls or the designated land use restrictions;
  - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;
  - c) The disturbance or removal of contamination that has been left in-place in accordance with the Remedial Action Plan. Access to soil contamination may be allowed if, during and after any access, public health and the environment are protected consistent with the Remedial Action Plan;
  - d) The failure to comply with the recording requirements for this Letter;
  - e) Obtaining the Letter by fraud or misrepresentation;
  - f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment;
  - g) The failure to pay the No Further Remediation Assessment Fee within forty-five (45) days after receiving a request for payment from the Illinois EPA;
  - h) The failure to pay in full the applicable fees under the Review and Evaluation Services Agreement within forty-five (45) days after receiving a request for payment from the Illinois EPA.

#### Page 4

- 11) Pursuant to Section 58.10(d) of the Act, this Letter shall apply in favor of the following persons:
  - a) Young Radiator Co., Inc. c/o Wabtec Corporation;
  - b) The owner and operator of the Remediation Site;
  - c) Any parent corporation or subsidiary of the owner of the Remediation Site;
  - d) Any co-owner, either by joint-tenancy, right of survivorship, or any other party sharing a relationship with the owner of the Remediation Site;
  - e) Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable, involving the Remediation Site;
  - f) Any mortgagee or trustee of a deed of trust of the owner of the Remediation Site or any assignee, transferee, or any successor-in-interest thereto;
  - g) Any successor-in-interest of the owner of the Remediation Site;
  - h) Any transferee of the owner of the Remediation Site whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest;
  - i) Any heir or devisee of the owner of the Remediation Site;
  - j) Any financial institution, as that term is defined in Section 2 of the Illinois Banking Act and to include the Illinois Housing Development Authority, that has acquired the ownership, operation, management, or control of the Remediation Site through foreclosure or under the terms of a security interest held by the financial institution, under the terms of an extension of credit made by the financial institution, or any successor-ininterest thereto; or
  - k) In the case of a fiduciary (other than a land trustee), the estate, trust estate, or other interest in property held in a fiduciary capacity, and a trustee, executor, administrator, guardian, receiver, conservator, or other person who holds the remediated site in a fiduciary capacity, or a transferee of such party.
- 12) This letter, including all attachments, must be recorded as a single instrument within forty-five (45) days of receipt with the Office of the Recorder of Coles County. For recording purposes, the Illinois EPA Site Remediation Program Environmental Notice attached to this Letter should be the first page of the instrument filed. This Letter shall not be effective until officially recorded by the Office of the Recorder of Coles County in accordance with Illinois law so that it forms a permanent part of the chain of title for the Remediation Site.
- 13) Within thirty (30) days of this Letter being recorded by the Office of the Recorder of Coles County, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA to:

\* Page 5

Robert E. O'Hara Illinois Environmental Protection Agency Bureau of Land/RPMS 1021 North Grand Avenue East Post Office Box 19276 Springfield, IL 62794-9276

14) In accordance with Section 58.10(g) of the Act, a No Further Remediation Assessment Fee based on the costs incurred for the Remediation Site by the Illinois EPA for review and evaluation services will be applied in addition to the fees applicable under the Review and Evaluation Services Agreement. Request for payment of the No Further Remediation Assessment Fee will be included with the billing statement.

If you have any questions regarding this correspondence, you may contact the Illinois EPA project manager, Mr. Tim Murphy at (217) 524-4823.

Sincerely,

Joyce L. Munie, P.E., Manager

Remedial Project Management Section Division of Remediation Management

Bureau of Land

Attachments (2):

Property Owner Certification of No Further Remediation Letter under the

Site Remediation Program Form Notice to Remediation Applicant

cc:

Magna Tax Service Mr. Dennis Ballinger 119 West William Street P.O. Box 1452 Decatur, IL 62525

Harry Gant, VP Young Radiator Company 2825 Four Mile Road Racine, WI 53404

!

#### CITY OF MATTOON HIGHWAY AUTHORITY AGREEMENT

#### OVERVIEW

The purpose of this document is to notify the City of Mattoon of the extent of hydrocarbon and chlorinated solvent impact within soil and/or groundwater and to provide the necessary initial information needed to enter into a highway authority agreement, pursuant to 35 IAC 742.1020.

#### Applicant Information

Operator: Address:

Wabtec Corporation

1001 Air Brake Avenue

Wilmerding, Pennsylvania 15148

Fax No:

Telephone No: (412) 825-1609 (412) 825-1789

Name and Title of Person Authorized to Sign for Operator: Todd R. Shingleton

Applicant's Attorney

Environmental Consultant

Name: Address: Name: Address: American Geosciences, Inc.

3925 Reed Boulevard, Suite 400 Murrysville, PA 15668

Attention: David R. Perry

Telephone No: Telephone No: (724) 733-7003

Property Adjacent to the Right-of-Way

Address:

Former Young Radiator Facility

120 North 14th Street

Mattoon, IL

Right-of-Way(s) requiring Highway Agreement

(Check one or both)

Highway Number(s): Street Name (if any):

12th Street

☐ Soil Impact

☑ Groundwater Impact

in Right-of-Way

in Right-of-Way

Regulatory Information

IEPA LPC Number:

0290255010

IEPA Project Manager:

Timothy Murphy

IEPA Status: (Check one)

☐ Conditional Approval

Approval Pending

Other: Site in enrolled in IEPA's Site Remediation Program. Remedial action (permeable reactive

barrier) was completed in 2004. Currently performing groundwater monitoring.

Sampling in th	e Right-ot-way	
(Check one) □ Right-of-W	·	ight-of-Way impractical to sample impling was done adjacent to Right-of-Way)
Person(s) to be	Notified in Agreemen	<u>t</u>
Name: Address:	Todd R. Shingleton, 1001 Air Brake Aven	Wabtec Corporation ue, Wilmerding, PA 15148
Name: Address:		rican Geosciences, Inc. I, Suite 400, Murrysville, PA 15668
	ent of Impact Informat Action Completion	ion - For Exhibit A Report will document the nature and extent of impact in the
Soil: Groundwater:	Refer to Figure 1 – Refer to Figure 2 –	Estimated Soil Impact in the Right-of-Way Map Using Tier 1 Industrial/Commercial Corrective Action Objectives Estimated Groundwater Impact in the Right-of-Way Map Using Tier 1 Corrective Action Objectives
	g soil and groundwater ided in Exhibit A.	sampling results in the right-of-way (if sampled) and/or adjacent t
Area Covered b	y Highway Authority	Agreement - For Exhibit B
		way Authority Agreement Location Map ment will draw map based on Figures I and 2)
<ul><li>☑ Figure 2 Est.</li><li>☑ Figure 3 Pro</li><li>☑ Tables Show</li></ul>	imated Soil Impact Ma imated Groundwater In posed Highway Agreer ving Sampling Results etion Completion Repo	npact Map nent Location Map

#### MASTER AGREEMENT

#### TIERED APPROACH TO CORRECTIVE-ACTION OBJECTIVES AGREEMENT

This Agreement is entered into this 101 day of October, 2005 pursuant to 35 III.

Admin. Code Section 742.1020 by and between Wabtec Corporation referred to herein as "Operator," and the City of Mattoon ("City"), as follows:

- I. This Agreement is not binding upon the City until it is executed by the undersigned representative of the City and prior to execution this Agreement constitutes an offer by Operator. The duly authorized representatives of Operator have signed this Agreement and this Agreement is binding upon them, their successors and assigns.
- 2.a. Operator is pursuing a corrective action of a Site and of the right-of-way adjacent to the boundary of the Site located at 120 North 14<sup>th</sup> Street (the "Site").

j

- 2.b. Attached as Exhibit A are site maps prepared by Operator which show the area of estimated contaminant impacted soil and/or groundwater at the time of this Agreement in the right-of-way above 35 III. Admin. Code Part 742 Tier 1 industrial/commercial levels. Also shown in Exhibit A are tables prepared by Operator showing the concentration of contaminants of concern, hereafter "Contaminants," in soil and/or groundwater within the Site and which shows the applicable Tier 1 soil remediation objectives for industrial/commercial property and Tier 1 objectives for groundwater of the Illinois Pollution Control Board ("IPCB") which are exceeded along the boundary of the Site adjacent to the Right-of-Way. The right-of-way, and only the right-of-way, as described in Exhibit B, hereinafter the "Right-of-Way," adjacent to the site is subject to this Agreement. As the drawings in the Exhibits are not surveyed plats, the boundary of the Right-of-Way in the Exhibits may be an approximation of the actual right-of-way lines. The Right-of-Way is impractical to sample for Contaminants; however, the Operator believes that the area of the Right-of-Way is adequate to encompass soil and/or groundwater within the Right-of-Way possibly impacted with Contaminants from a release at the Site.
- 2.c. The Illinois Environmental Protection Agency has assigned LPC number 0290255010 to this Site.

2.d. Operator has developed risk-based, site specific soil and/or groundwater remediation objectives which were approved by the Illinois Environmental Protection Agency ("IEPA") under 35 III. Admin Code Part 742.

j

- 2.e. Under these rules, use of risk-based, site specific remediation objectives in the Right-of-Way require the use of a Highway Authority Agreement as defined in 35 III. Admin. Code Section 742.1020.
- 3. The City holds a fee simple interest or a dedication for highway purposes in the Right-of-Way, or the Right-of-Way is a platted street, and has jurisdiction of the Right-of-Way. For purposes of this Agreement, "jurisdiction" means that the City exercises access control over the use of groundwater beneath the Right-of-Way and over access to the soil beneath the Right-of-Way because it requires a permit for that access.
- 4.a. Under 35 III. Admin. Code Section 742.1020, this Agreement is intended to be an acceptable "Highway Authority Agreement" to IEPA, as the City is willing to agree that it will not allow the use of groundwater under the highway Right-of-Way as a potable or other domestic supply of water and that it will limit access as described herein to soil under the highway Right-of-Way that is contaminated from the release at levels above industrial/commercial Tier I remediation objectives.
- 4.b. The IEPA and Illinois Attorney General ("AG") must review and approve this Agreement, and this Agreement shall be referenced in the IEPA's "No Further Remediation" determination in the chain of title for the Site in the county where the Site is located.
- 4.c. This Agreement shall be null and void as a Highway Authority Agreement should the IEPA or AG not approve it or should it not be referenced in the "No Further Remediation" determination, provided, however, that this Agreement shall be effective between the Operator and the City immediately upon signature by their representatives.
- 5. The City promises IEPA and the Operator that it will be prohibit the use of groundwater that is contaminated from the release at the Site at levels above Tier I remediation objectives beneath its Right-of-Way as a potable or other domestic supply of water and will limit access to soil as described herein under the Right-of-Way that is contaminated from the release at the Site at levels above Tier 1

remediation objectives. As the pavement in the Right-of-Way may be considered an engineered barrier, the Operator agrees to reimburse the City for maintenance activities requested by Operator in writing in order to maintain it as a barrier. The City does not otherwise agree to perform maintenance of the Right-of-Way, nor does it agree that the highway Right-of-Way will always remain a highway or that it will maintain the Right-of-Way as an engineered barrier.

- 6. The Operator agrees to indemnify and hold harmless the City, and other highway authorities, if any, maintaining the highway Right-of-Way by an agreement with the City, and the City's agents, contractors or employees for all obligations asserted against or costs incurred by them, including attorney's fees and court costs, associated with the release of Contaminants from the Site, except if said obligations or costs are caused by the negligence of them.
- 7. As an additional consideration, Operator agrees to reimburse the City for the reasonable costs it has incurred in protecting human health and the environment, including, but not limited to, identifying, investigating, handling, storing and disposing of contaminated soil and groundwater in the Right-of-Way as a result of the release of contaminants at this Site.

- 8. This Agreement shall be binding upon all successors in interest to the Operator for highway Right-of-Way. A successor in interest to the City would include a highway authority to which the City would transfer jurisdiction of the highway.
- 9. Violation of the terms of this Agreement by the Operator, or their successors in interest, may be grounds for voidance of this Agreement as a Highway Authority Agreement. Violation of the terms of this Agreement by the City will not void this Agreement, unless the IEPA has determined that the violation is grounds for voiding this Agreement as a Highway Authority Agreement and the City has not cured the violation within such time as IEPA has granted to cure the violation.
- 10. This Agreement shall continue in effect from the date of this Agreement until the Right-of-Way is demonstrated to be suitable for unrestricted use and there is no longer a need for this Agreement as a Highway Authority Agreement, and the IEPA has, upon written request to the IEPA by the Operator

and notice to the City, amended the notice in the chain of title of the Site to reflect unencumbered future use of that highway Right-of-Way.

)

- 11. This Agreement does not limit the City's ability to construct, reconstruct, improve, repair, maintain and operate a highway upon its property or to allow others to use the highway Right-of-Way by permit. To that extent, the City reserves the right and the right of those using its property under permit to remove contaminated soil or groundwater above Tier 1 industrial/commercial remediation objectives from its Right-of-Way and to dispose of them as they deem appropriate not inconsistent with applicable environmental regulations so as to avoid causing a further release of the Contaminants and to protect human health and the environment. Prior to taking any such action, the City will first give Operator written notice, unless there is an immediate threat to the health or safety to any individual or to the public, that it intends to perform a site investigation in the Right-of-Way and remove or dispose of contaminated soil or groundwater to the extent necessary for its work. Failure to give notice is not a violation of this Agreement. The removal or disposal shall be based upon the site investigation (which may be modified by field conditions during excavation), which Operator may review or may perform, if requested to do so by the City. If practicable, as determined by the City, the City may request Operator to remove and dispose of the contaminated soil and/or groundwater necessary for the City's work in advance of that work. The Operator shall reimburse the reasonable costs incurred by the City to perform the site investigation and to dispose of any contaminated soil or groundwater, provided, however, that if notice to Operator has not been given and there was no immediate threat to health or safety, reimbursement for those costs shall be limited to \$10,000.00. There is a rebuttable presumption that the Contaminants found in the highway Right-of-Way arose from the release of Contaminants from the Site. Should Operator not reimburse the reasonable costs under the conditions set forth herein, this Agreement shall be null and void, at the City's option, upon written notice to Operator by the City that those costs have not been reimbursed. Operator may cure that problem within twenty working days by making payment, or may seek to enjoin that result.
  - 12. Written notice required by this Agreement shall be mailed to the following:

If to Operator:

Name: Company:

Todd R. Shingleton Wabtec Corporation

Street: City, State, Zip:

)

1001 Air Brake Avenue Wilmerding, PA 15148

If to City

Name:

City Clerk, City of Mattoon

Street:

208 North 19th Street

City, State, Zip:

Mattoon, Illinois 61938

13. The City's sole responsibility under this Agreement with respect to others using the highway Right-of-Way under permit from the City is to include the following, or similar language, in the future standard permit provisions and to make an effort to notify its current permit holders of the following:

As a condition of this permit, the permittee shall request the Illinois Environmental Protection Agency to identify sites in the Right-of-Way where access to contaminated soil or groundwater is governed by Tiered Approach to Corrective-Action Objectives ("TACO") Agreements. The permittee shall take measures before, during and after any access to these sites to protect worker safety and human health and the environment. Excavated, contaminated soil should be managed off-site in accordance with all environmental laws.

Operator hereby releases the City from liability for breach of its Agreement by others under permit and indemnifies the City against claims that may arise from others under permit causing a breach of this Agreement. Operator agrees that its personnel, if any, at the Site who are aware of this Agreement will notify anyone they know is excavating in the Right-of-Way about this Agreement.

14. Should the City breach this Agreement, Operator's sole remedy is for an action for damages in the Illinois Court of Claims. Any and all claims for damages against the City, its agents, contractors, employees or its successors in interest arising at any time for a breach of paragraph 5 of this Agreement are limited to an aggregate maximum of \$50,000.00. No other breach of the City, its agents, contractors, employees and its successors in interest of a provision of this Agreement is actionable in either law or

equity by Operator against the City or them and Operator hereby releases the City, its agents, contractors, employees and its successors in interest for any cause of action it may have against them, other than as allowed in this paragraph, arising under this Agreement or environmental laws, regulations or common law governing the contaminated soil or groundwater in the highway Right-of-Way. Should the City convey, vacate or transfer jurisdiction of that highway Right-of-Way, Operator may pursue an action under this Agreement against the successors in interest, other than a State agency, in a court of law.

Assembly and regulations adopted by the Pollution Control Board which encourage a tiered-approach to remediation of environmental contamination. This Agreement is entered into by the City in the spirit of those laws and under its right and obligations as a highway authority. Should any provisions of this Agreement be struck down as beyond the authority of the City, however, this Agreement shall be null and void.

IN WITNESS WHEREOF, Operator, Wabtec Corporation, has caused this Agreement to be signed by its duly authorized representative.

BY: (Title) Conporter Director invinament of Streety

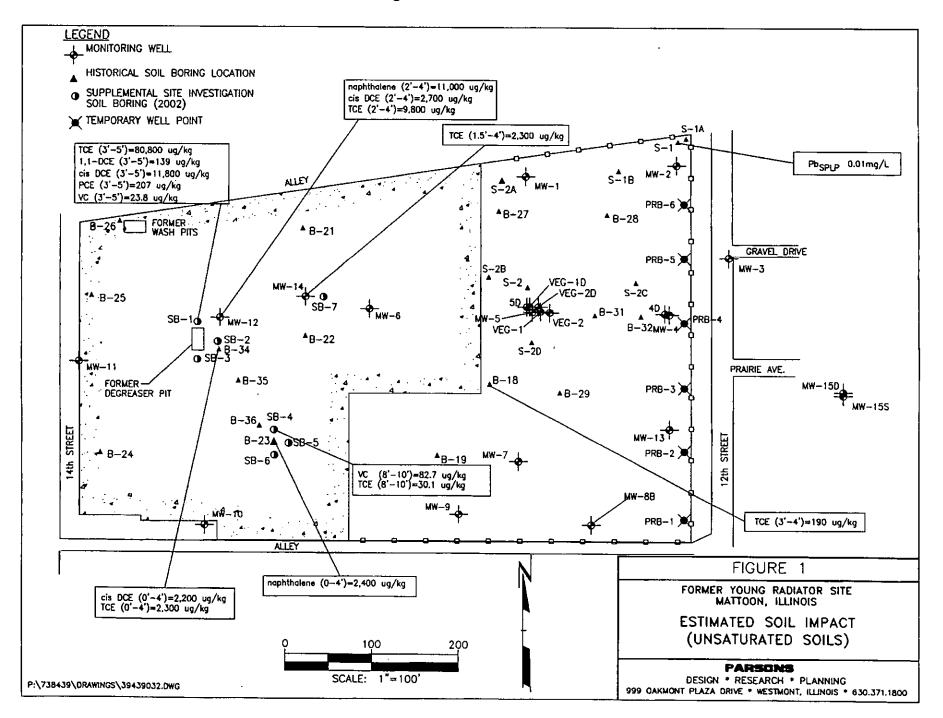
DATE: 10-10-2005

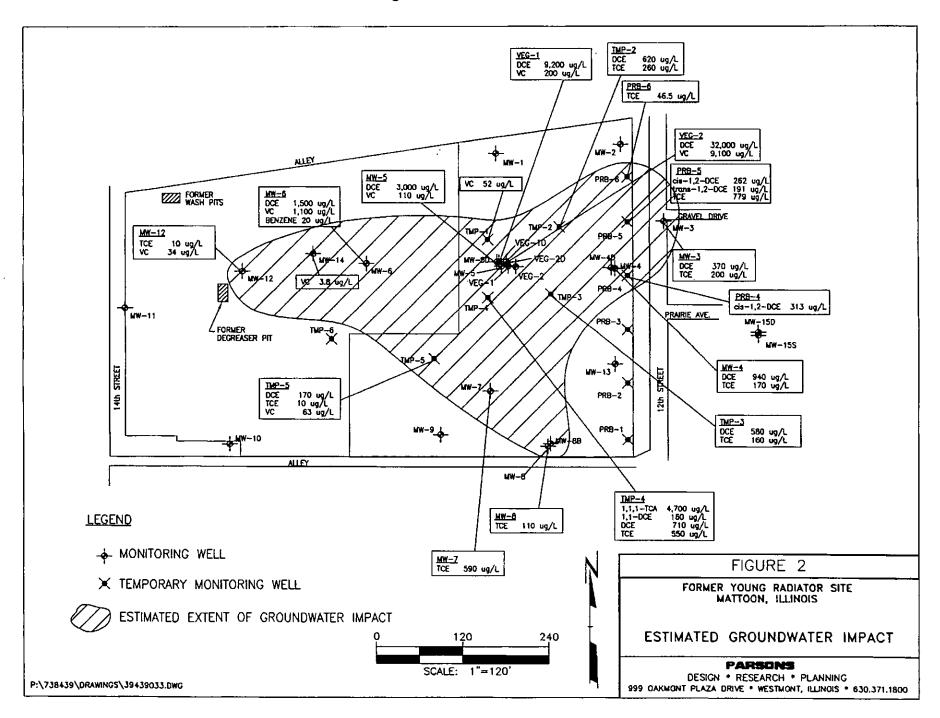
IN WITNESS WHEREOF, the City has caused this Agreement to be signed by its Mayor.

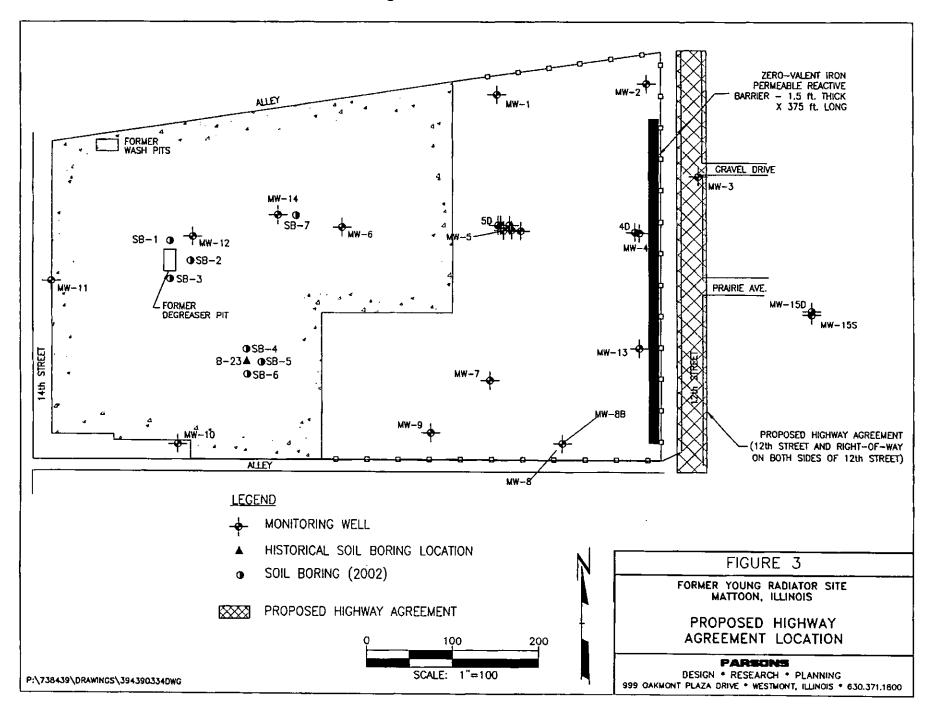
CITY OF MATTOON

Charles E. White, Mayor

DATE:







# TABLE 1 SOIL ANALYTICAL DATA RESULTS - METALS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	IAC Part 742 Ind/Comm Soil Ingestion Objective (mg/kg)	IAC Part 742 Ind/Comm Soil Inhalation Objective (mg/kg)	IAC Part 742 Migration to Class I GW Objective (mg/L)	IAC Part 742 Background Concentrations non-Metro. Areas (mg/kg)	S-1 8/98 (mg/kg)	S-1 (resample) ( 8/16/2001 (mg/kg)	S-1A 8/16/2001 (mg/kg)	S-1B 8/16/2001 (mg/kg)	S-1C 8/16/2001 (mg/kg)	S-2 8/98 (mg/kg)
Total Metals (mg/kg)				Ì						
Antimony	820	NA	NA	3.3	ND				<b></b>	ND
Arsenic	11.3	1,200	NA.	11.3	22	9.8	7.2	5.5	5.9	3.9
Beryllium	1	2,100	NA.	0.56	0.77		_	_		ND
Cadmium	2,000	2,800	NA	0.50	ND	i _	-	_		13
Chromium	10,000	420	NA	13	110	i I		_	_	25
Соррет	82,000	NA	NA	8.9	300				_	170
Lead	400	NA	NA	20.9	1400	24	71	20	16	610
Mercury	610	540,000	NA	0.05	0.29			_		0,043
Nickel	41,000	21,000	NA	13	15					15
Selenium	10,000	NA	NA	0.37	ND	_		_	_	ND
Silver	10,000	NA	NA	0.50	3.1			-	_	3.9
Thallium	160	NA	NA	0.42	ND			_		ND
Zinç	610,000	NA	NA	60	1,300		-	-	-	1,100
TCLP/SPLP Metals (mg/L)										
Arsenic	NA	NA	0.05	NA	ND			_	_	ND
Cadmium	NA	NA	0.005	NA				_	_	0.2
Chromium	NA	NA	0.1	NA	ND			-	-	ND
Соррег	NA	NA	0.65	NA	0.05		-			1.2
Lead	NA	NA	0.0075	NA	0.64	0.01		- 1		2,4
Mercury	NA	NA	0.002	NA	ND	1	1	-	-	_
Silver	NA	NA	0.05	NA	ND		-	-	-	ND
Zinc	NA	NA	5	NA	2.1	- 1	_	_	-	8.9

Notes:

NA: Not Applicable
--: Not Analyzed

ND: Not detected

Exceeds Tier 1 Soil Component of Migration to Class I Groundwater Remediation Objective

1400 0.64

Exceeds Tier 1 Soil Ingestion Remediation Objective

#### TABLE 1 SOIL ANALYTICAL DATA RESULTS - METALS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	IAC Part 742 Ind/Comm Soil Ingestion Objective (mg/kg)	IAC Part 742 Ind/Comm Soil Inhalation Objective (mg/kg)	IAC Part 742 Migration to Class 1 GW Objective (mg/L)	S-2 (resample) 8/16/2001 (mg/kg)	S-2A 8/16/2001 (mg/kg)	S-2B 8/16/2001 (mg/kg)	S-2C 8/16/2001 (mg/kg)	S-2D 8/16/2001 (mg/kg)	B-23 8/98 (mg/kg)	B-24 8/98 (mg/kg)	B-25 8/98 (mg/kg)	B-26 8/98 (ng/kg)
Total Metals (mg/kg) Antimony Arsenic Beryllium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Thallium	820 11.3 1 2,000 10,000 82,000 400 610 41,000 10,000	NA 1,200 2,100 2,800 420 NA NA 540,000 21,000 NA NA	NA N	    16  	   16 	    20  	52	1111111111111	ND 2.7 0.57 ND 14 13 IO ND 11 ND ND ND ND	ND 4.9 0.54 ND 17 15 12 0.12 18 ND ND ND	ND 5.8 0.53 ND 11 17 23 0.39 12 ND ND	ND 2.6 ND ND 12 11 6.8 5.9 16 ND ND ND ND ND
Zinc TCLP/SPLP Metals (mg/L) Arsenic Cadmium Chromium Copper Lead Mercury Silver Zinc	NA	NA NA NA NA NA NA NA NA NA	0.05 0.005 0.1 0.65 0.0075 0.002 0.05 5	ND (0.0010) ND (0.010) 0.0056 0.037	1 1 1 1 1 1 1	1 111111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	    	46 ND ND ND	70 ND  ND ND ND ND	79

Notes:

NA: Not Applicable -: Not Analyzed

ND: Not detected

Exceeds Tier 1 Soil Component of Migration to Class I Groundy 1400 0,64

Exceeds Tier 1 Soil Ingestion Remediation Objective

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier I Ind/Comm Soil Ingestion Objective (mg/kg)	Tier 1 Ind/Comm Soil Inhalation Objective (mg∕kg)	Tier I Migration to Class I GW Objective (mg/kg)	QST B-1 (4-6.3') (mg/kg)	QST B-1 (11-11.8') (mg/kg)	QST B-2 (11-13.8') (mg/kg)	QST B-3 (7-9') (mg/kg)	QST B-4 (9-11') (mg/kg)	QST B-5 (9-11') (mg/kg)	QST B-6 (6.5-9') (mg/kg)
- "										
VOCs									l	0.04*
Acetone	200,000	100,000	16	0.053	0.016	ND (0.012)	ND (0.023)	ND (0,012)	0.014	0.063
Benzene	100	1,6	0.03	-	-	_	- ,	-	-	-
Carbon Disulfide	20,000°	9"	32		-	-				
1,1-Dichloroethane	200,000	130*	23	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.006)	ND (0,006)	0.011	ND (0.006)
1,1-Dichloroethene	1,800	300°	0.06	_	_	-	_	-	-	
cis-1,2-Dichloroethene	20,000	1,200	0.4	ND (0.006)	0.011	ND (0.006)	ND (0.012)	0.15	9.2	ND (0.006)
trans-1,2-Dichloroethene	41,000	3,100	0.7	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.006)	ND (0,006)	0.019	ND (0.006)
Ethylbenzene	20,000	58ª	13		_	- 1	_ ·	_		
Methylene Chloride	760	24	0.02	0.012	0.010	ND (0,006)	ND (0.006)	ND (0.006)	0.008	ND (0,006)
Naphthalene	4,100	1.8ª	12		_	_ 1	-	_	-	
Tetrachloroethene	110	20	0.06	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.006)	0.015	ND (0.006)
Toluene	410,000	424	12	ND (0,006)	ND (0.006)	ND (0.006)	ND (0.006)	ND (0,006)	ND (0.006)	ND (0.006)
1,1,1-Trichloroethane	NA NA	1,200	2		_	- 1		_	_	-
Trichloroethene	520	8.9	0.06	ND (0,006)	0.007	0.018	0.13	1.3	56	ND (0,006)
Vinyl chloride	7.9	1.1	0.01		-		_	_		-
Xylenes (total)	410,000	320	150	-	-	-	-	-	-	-
SVOCs	1									
2-Methylnaphthalene	NA	NA	NA		_		-	_	-	
Naphthalene	4,100	1.8°	12	-	_		-	-	_	
Phenanthrene	NA	NA	NA	-	_	-	_	-	-	_

#### Notes:

a) Tier 1 Construction Worker Objective

NA: Not Available
-: Not Analyzed
ND: Not detected

1.3 Exceeds the Tier 1 Soil Migration to Class I Groundwater Objective
1.3 Exceeds the Tier 1 Soil Inhalation Objective

Exceeds both the Tier 1 Soil Migration to Class 1 Groundwater

and the Soil Inhalation Objectives

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier 1 Ind/Comm Soil Ingestion Objective (mg/kg)	Tier I Ind/Comm Soil Inhalation Objective (mg/kg)	Tier 1 Migration to Class 1 GW Objective (mg/kg)	QST B-7 (7.2-9') (mg/kg)	QST B-8 (9-10.7°) (mg/kg)	QST B-9 (11-11,5') (mg/kg)	QST B-10 (11-13') (mg/kg)	QST B-11 (4-6.5') (mg/kg)	STS 4D (16-20') (field lab) (mg/kg)	STS 4D (20-24') (field lab) (mg/kg)
VOCs Acetone Benzene Carbon Disulfide 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	200,000 100 20,000° 200,000 1,800° 20,000	100,000 1.6 9* 130* 300* 1,200	16 0.03 32 23 0.06 0.4	0.016   ND (0.006)  ND (0.006)	0.016 - - ND (0.006) - ND (0.006)	0.015  ND (0.006)  ND (0.006)	0.024 - ND (0.007) - ND (0.007)	0.061  ND (0.006)  ND (0.006)	  ND (0.010)  0.19	  ND (0.010)  0.29
trans-1,2-Dichloroethene Ethylbenzene Methylene Chloride Naphthalene	41,000 20,000 760 4,100	3,100 58 <sup>a</sup> 24 1.8 <sup>a</sup>	0.7 13 0.02 12	ND (0,006)  0.01 	ND (0.006)  0.01 	ND (0.006) - 0.01	ND (0.007)  0.012 	ND (0.006)  ND (0.006) 	ND (0.010) - ND (0.010) ND (0.010)	ND (0.010)  ND (0.010) ND (0.010)
Tetrachlorocthene Toluene 1,1,1-Trichloroethane Trichloroethene Vinyl chloride	110 410,000 NA 520 7.9	20 42* 1,200 8.9 1.1	0.06 12 2 0.06 0.01	ND (0.006) ND (0.006)  0.25	ND (0.006) ND (0.006)  0.054 	ND (0.006) ND (0.006) — ND (0.006)	ND (0.007) ND (0.007)  ND (0.007) -	ND (0.006) ND (0.006)  ND (0.006) -	ND (0.010) ND (0.010) ND (0.010) ND (0.010) ND (0.010)	ND (0.010) ND (0.010)  ND (0.010) ND (0.010)
Xylenes (total)  SVOCs 2-Methylnaphthalene Naphthalene Phenanthrene	410,000" NA 4,100" NA	320 NA 1.8ª NA	150 NA 12 NA	-	-	- - -	1 1 1		- - -	 

Notes:

a) Tier I Construction Worker Objective

NA: Not Available
-: Not Analyzed
ND: Not detected

1.3 Exceeds the Tier 1 Soil Migration to Class 1 Groundwater Objective

1.3 Exceeds the Tier 1 Soil Inhalation Objective

1.3 Exceeds both the Tier 1 Soil Migration to Class I Groundwater

and the Soil Inhalation Objectives

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier 1 Ind/Comm Soil Ingestion Objective (mg/kg)	Tier I Ind/Comm Soil Inhalation Objective (mg/kg)	Tier 1 Migration to Class 1 GW Objective (mg/kg)	STS 4D (28-32') (field lab) (mg/kg)	STS 5D (5-6') (field lab) (mg/kg)	STS 5D (10.5-12') (field lab) (mg/kg)	STS 5D (20-24') (field lab) (mg/kg)	STS B-12 (2-4') (field lab) (mg/kg)	STS B-12 (12-16') (field lab) (ing/kg)	STS B-14 (1.5-4') (field lab) (mg/kg)
VOCs Acetone Benzene Carbon Disulfide 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	200,000 100 20,000' 200,000 1,800' 20,000	100,000 1.6 9" 130" 300" 1,200	16 0.03 32 23 0.06 0.4	  ND (0.010)  ND (0.010)	  ND (0.010)  ND (0.010)	- - ND (0.010) - 1.9	  ND (0.010)  ND (0.010)	  ND (2.5)  2.7	-  ND (0.010)  0.12	  ND (0.050)  ND (0.050)
cts-1,2-Dictionediene trans-1,2-Dichloroethene Ethylbenzene Methylene Chloride Naphthalene	20,000 41,000 20,000 760 4,100	3,100 58* 24 1.8*	0.7 13 0.02	ND (0.010) ND (0.010)  ND (0.010) ND (0.010)	ND (0.010)   ND (0.010)  ND (0.010)  ND (0.010)	0.02  ND (0.010) ND (0.010)	ND (0.010)   ND (0.010)  ND (0.010)	ND (2.5) - ND (2.5)	ND (0.010) 	ND (0.050)  ND (0.050) ND (0.050)
Tetrachlorocthene Toluene I,I,I-Trichloroethane Trichloroethene Vinyl chloride	110 410,000 NA 520 7.9	20 42* 1,200 8,9 1.1	0.06 12 2 0.06 0.01	ND (0.010) ND (0.010) 	ND (0.010) ND (0.010)  ND (0.010) ND (0.010)	ND (0.010) ND (0.010) ND (0.010) - 3.9 ND (0.010)	ND (0.010) ND (0.010) 	ND (2.5) ND (2.5) 	ND (0.010) ND (0.010) 	ND (0.050) ND (0.050) 
Xylenes (total)  SVOCs 2-Methylnaphthalene Naphthalene Phenanthrene	410,000" NA 4,100" NA	320 NA 1.8ª NA	150 NA 12 NA		1 1 1	1 1 1		-		- - - -

#### Notes:

a) Tier 1 Construction Worker Objective

1.3

NA: Not Available
-: Not Analyzed
ND: Not detected

1.3 Exceeds the Tier I Soil Migration to Class I Groundwater Objective

1.3 Exceeds the Tier I Soil Inhalation Objective

Exceeds both the Tier I Soil Migration to Class I Groundwater and the Soil Inhalation Objectives

#### TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier l Ind/Comm Soil Ingestion Objective (mg/kg)	Tier I Ind/Comm Soil Inhalation Objective (mg/kg)	Tier I Migration to Class I GW Objective (mg/kg)	STS B-14 (12-16') (field lab) (mg/kg)	STS B-18 (3-4') (field lab) (mg/kg)	STS B-18 (12-16') (field lab) (mg/kg)	STS B-19 (4-8') (field lab) (mg/kg)	STS B-19 (12-16') (field lab) (mg/kg)	STS B-20 (4-8') (field lab) (mg/kg)	STS B-20 (12-16') (field lab) (mg/kg)
VOCs										
Acetone	200,000	100,000	16	-	-	-	_			-
Benzene	100	1.6	0.03	-	-	-	_	-	-	_
Carbon Disulfide	20,000	9ª	32	- '	-	- !	-	_ '		
1,1-Dichloroethane	200,000	130°	23	ND (0,010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0,010)	ND (0.010)	ND (0.010)
1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene	1,800° 20,000 41,000	300* 1,200 3,100	0.06 0.4 0.7	 0.017 0.018	0.087 ND (0.010)	 0.28 ND (0.010)	ND (0.010) ND (0.010)	– ND (0,010) ND (0.010)	0.01 ND (0.010)	 0.016 ND (0.010)
Ethylbenzene Methylene Chloride	20,000 <b>'</b> 760	58ª 24	13 0,02	 ND (0.010)	 ND (0.010)	 ND (0.010)	 ND (0.010)	– ND (0.010)	 ND (0.010)	 ND (0,010)
Naphthalene Tetrachloroethene	4,100 <b>"</b> 110	1.8° 20	12 0.06	ND (0.010) ND (0.010)	ND (0.010) ND (0.010)	ND (0.010) ND (0.010)	ND (0.010) ND (0.010)	ND (0.010) ND (0.010)	ND (0.010) ND (0.010)	ND (0.010) ND (0.010)
Toluene	410,000	42°	12	ND (0.010)	ND (0.010)	ND (0,010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0,010)
1,1,1-Trichloroethane Trichloroethene Vinyl chloride	NA 520 7.9	1,200 8,9 1.1	2 0.06 0.01	0.026 ND (0.010)	- 0,19 ND (0,010)	- ND (0.010) ND (0.010)	– ND (0.010) ND (0.010)	– ND (0.010) ND (0.010)	 ND (0.010) ND (0.010)	 ND (0.010) ND (0,010)
Xylenes (total)	410,000	320	150	<u>-</u>			_	_	<del>-</del>	_
SVOCs										
2-Methylnaphthalene	NA	NA	NA		-	] -	-	-	-	-
Naphthalene	4,100°	1.8ª	12	_	-	-	_	-	-	_
Phenanthrene	NA	NA	NA	-	_		_	-	-	-

a) Tier I Construction Worker Objective

NA: Not Available -: Not Analyzed ND: Not detected

1.3 Exceeds the Tier 1 Soil Migration to Class I Groundwater Objective 1.3 Exceeds the Tier 1 Soil Inhalation Objective

1.3 Exceeds both the Tier 1 Soil Migration to Class I Groundwater

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier 1 Ind/Comm Soil Ingestion Objective (mg/kg)	Tier 1 Ind/Comm Soil Inhalation Objective (mg/kg)	Tier 1 Migration to Class I GW Objective (mg/kg)	STS B-21 (8-12') (field lab) (mg/kg)	STS B-21 (12-16') (field lab) (mg/kg)	STS B-21 (12-16') (re-run) (mg/kg)	STS B-21 (12-16') (mg/kg)	STS B-22 (0-4') (field lab) (mg/kg)	STS B-22 (4-8') (field lab) (mg/kg)	STS B-22 (12-16') (field lab) (mg/kg)
VOCs Acetone Benzene Carbon Disulfide 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	200,000 100 20,000* 200,000 1,800* 20,000	100,000 1.6 9 <sup>a</sup> 130 <sup>a</sup> 1,200	16 0.03 32 23 0.06 0.4	  ND (0.250)  ND (0.250)	  ND (0.025)  0.38	ND (1) ND (1) - ND (1) - ND (1)	0.041 -  ND (0.005)  0.059		  ND (0.010)  ND (0.010)	  ND (0.010)  ND (0.010)
cis-1,2-Dichloroethene trans-1,2-Dichloroethene Ethylbenzene Methylene Chloride Naphthalene	20,000 41,000 20,000 760 4,100	3,100 58 <sup>a</sup> 24 1.8 <sup>a</sup>	0.4 0.7 13 0.02 12	ND (0.250) ND (0.250)  ND (0.250) ND (0.250)	0.38 0.63 — ND (0.025) ND (0.025)	ND (1) ND (1) - ND (1) ND (1)	0.039 0.014  ND (0.005) 	- - -	ND (0.010)  ND (0.010)  ND (0.010)  ND (0.010)	ND (0.010)   ND (0.010)  ND (0.010)  ND (0.010)
Tetrachloroethene Toluene 1,1,1-Trichloroethane Trichloroethene Vinyl chloride	110 410,000 NA 520 7.9	20 42" 1,200 8.9 1.1	0.06 12 2 0.06 0.01	ND (0.250) ND (0.250) — 2.4 ND (0.250)	ND (0.025) ND (0.025)  8.2 ND (0.025)	ND (1) ND (1) - 22 ND (1)	ND (0.005) ND (0.005)  0.4 ND (0.005)	- - - - -	ND (0.010) ND (0.010) 	ND (0.010) ND (0.010) 
Xylenes (total)  SVOCs 2-Methylnaphthalene Naphthalene Phenanthrene	410,000° NA 4,100° NA	320 NA 1.8* NA	150 NA 12 NA	<del></del>  <del>-</del>	- - -	- - -	: :	- ND ND ND	 	  

Notes:

a) Tier I Construction Worker Objective

NA: Not Available

-: Not Analyzed

ND: Not detected

1.3 Exceeds the Tier 1 Soil Migration to Class I Groundwater Objective
 1.3 Exceeds the Tier 1 Soil Inhalation Objective

Exceeds both the Tier 1 Soil Migration to Class I Groundwater

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

					. '					
	Tier 1 Ind/Comm Soil Ingestion Objective (mg/kg)	Tier 1 Ind/Comm Soil Inhalation Objective (mg/kg)	Tier 1 Migration to Class I GW Objective (mg/kg)	STS B-23 (0-4') (field lab) (mg/kg)	STS B-24 (0-4') (field lab) (mg/kg)	STS B-26 (8-12') (field lab) (mg/kg)	STS B-26 (8-12') (mg/kg)	STS B-26 (12-16') (field lab) (mg/kg)	STS B-27 (0-4') (ing/kg)	STS B-27 (12-16') (field lab) (mg/kg)
VOCs										1
Acetone	200,000	100,000	16	-	-		0.034	-	0.033	-
Benzene	100	1.6	0.03	-	-	-	-		-	-
Carbon Disulfide	20,000°	9ª	32	-	_		-	-	-	<b>!</b>
1,1-Dichloroethane	200,000	130°	23			ND (0.010)	ND (0.005)	ND (0,010)	ND (0.005)	ND (0.010)
1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene	1,800° 20,000 41,000	300* 1,200 3,100	0.06 0.4 0.7	  	- - -	 ND (0.010) ND (0.010)	 ND (0.005) ND (0.005)	ND (0.010) ND (0.010)	- ND (0.005) ND (0.005)	 ND (0.010) ND (0.010)
Ethylbenzene	20,000	58	13	-	-	-	-	-	-	-
Methylene Chloride	760	24	0,02	-	-	ND (0.010)	ND (0.005)	ND (0.010)	ND (0.005)	ND (0,010)
Naphthalene	4,100	1.8"	12	-	-	ND (0.010)	-	ND (0.010)	_	ND (0.010)
Tetrachloroethene	110	20	0,06	-	-	ND (0.010)	ND (0.005)	ND (0.010)	ND (0.005)	ND (0.010)
Toluene	410,000	42ª	12	- 1	_	ND (0.010)	ND (0.005)	ND (0,010)	ND (0,005)	0.013
1,1,1-Trichloroethane	NA	1,200	2	-	-			-	-	
Trichloroethene	520	8.9	0.06		-	ND (0.010)	ND (0.005)	ND (0.010)	ND (0.005)	ND (0.010)
Vinyl chloride	7.9	1.1	0.01	-	-	ND (0,010)	ND (0.005)	ND (0.010)	ND (0.005)	ND (0,010)
Xylenes (total)	410,000	320	150		_	-	-	-		-
SVOCs										
2-Methylnaphthalene	NA	NA	NA	11,000	ND	-	-	-	-	-
Naphthalene	4,100°	1,8"	12	2,400	ND	-	_	-		<b>!</b>
Phenanthrene	NA	NA	NA	680	ND	-	-	-		-
				I						Ì.

Notes:

a) Tier 1 Construction Worker Objective

NA; Not Available
-: Not Analyzed
ND; Not detected

1.3 Exceeds the Tier 1 Soil Migration to Class I Groundwater Objective

1.3 Exceeds the Tier 1 Soil Inhalation Objective

1.3 Exceeds both the Tier 1 Soil Migration to Class I Groundwater

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier l Ind/Comm Soil Ingestion Objective (mg/kg)	Tier I Ind/Comm Soil Inhalation Objective (mg/kg)	Tier I Migration to Class I GW Objective (mg/kg)	STS B-28 (4-8') (field lab) (mg/kg)	STS B-28 (8-12') (mg/kg)	STS B-28 (12-16') (field lab) (mg/kg)	STS B-29 (8-12') (field lab) (mg/kg)	STS B-29 (8-12') (field lab-DUP) (mg/kg)	STS B-29 (8-12') (mg/kg)	STS B-29 (12-16') (field lab) (mg/kg)
VOCs Acetone Benzene Carbon Disulfide	200,000 100 20,000° 200,000	100,000 1.6 9" 130"	16 0.03 32 23	   ND (0,010)	0.027 - - ND (0.005)	  ND (0.010)	   ND (0.010)	   ND (0.25)	0,036   ND (0,005)	  ND (0.010)
1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene	1,800 20,000 41,000	300" 1,200 3,100	0.06 0.4 0.7	ND (0,010) ND (0,010) ND (0,010)	ND (0.005) ND (0.005) ND (0.005)	ND (0.010) ND (0.010) ND (0.010)	0.45 0.013	0.33 ND (0.25)	0.13 ND (0.005)	ND (0.010) ND (0.010)
Ethylbenzene Methylene Chloride	20,000° 760	58" 24 1.8"	13 0.02	ND (0.010)	ND (0.005)	ND (0.010) ND (0.010)	ND (0.010) ND (0.010)	ND (0.25) ND (0.25)	0.017	ND (0.010) ND (0.010)
Naphthalene Tetrachloroethene	4,100° 110	20	12 0.06	ND (0,010) ND (0,010)	ND (0.005)	ND (0.010)	ND (0.010)	ND (0.25)	ND (0.005)	ND (0.010)
Toluene 1,1,1-Trichloroethane Trichloroethene Vinyl chloride Xylenes (total)	410,000 NA 520 7.9 410,000	42ª 1,200 8.9 1.1 320	12 2 0.06 0.01 150	ND (0.010)  ND (0.010) ND (0.010)	ND (0.005)  ND (0.005) ND (0.005) 	ND (0.010)  ND (0.010) ND (0.010)	ND (0.010) - 1.3 ND (0.010)	ND (0.25) - 1,5 ND (0.25)	ND (0.005)  0.12 ND (0.005) 	ND (0.010)  ND (0.010) ND (0.010) 
SVOCs 2-Methylnaphthalene	NA	NA	NA	-	_		-	_		_
Naphthalene Phenanthrene	4,100° NA	1.8* NA	12 NA		-	-	-	-		

Notes:

a) Tier 1 Construction Worker Objective

NA: Not Available
-: Not Analyzed
ND: Not detected

1.3 Exceeds the Tier 1 Soil Migration to Class 1 Groundwater Objective

1.3 Exceeds the Tier 1 Soil Inhalation Objective

1.3 Exceeds both the Tier I Soil Migration to Class I Groundwater

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier 1 Ind/Comm Soil Ingestion Objective (mg/kg)	Tier 1 Ind/Comm Soil Inhalation Objective (mg/kg)	Tier 1 Migration to Class I GW Objective (mg/kg)	STS B-30 (2-4') (field lab) (mg/kg)	STS B-30 (12-16') (field lab) (mg/kg)	STS B-31 (2-4') (mg/kg)	STS B-31 (8-12') (field lab) (mg/kg)	STS B-31 (12-16') (field lab) (mg/kg)	STS B-32 (40-42') (field lab) (mg/kg)	STS B-32 (36-42') (mg/kg)
VOCs Acetone Benzene Carbon Disulfide 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	200,000 100 20,000° 200,000 1,800° 20,000	100,000 1.6 9° 130° 300° 1,200	16 0,03 32 23 0,06 0.4	  ND (0.010)  ND (0.010)	– – ND (0.010) – ND (0.010)	0.054   ND (0.005)  0.086	  ND (0.010)  0.23	- - ND (0.010) - 0.036	  ND (0.010)  ND (0.010)	ND (0.025)   ND (0.005)  ND (0.005)
trans-1,2-Dichloroethene Ethylbenzene Methylene Chloride Naphthalene Tetrachloroethene	41,000 20,000 760 4,100 110	3,100 58" 24 1.8" 20	0.7 13 0.02 12 0.06	ND (0.010) — ND (0.010) ND (0.010) ND (0.010)	ND (0.010)   ND (0.010)  ND (0.010)  ND (0.010)	0.0095  0.018  ND (0.005)	0.018  ND (0.010) ND (0.010) ND (0.010)	ND (0.010)  ND (0.010) ND (0.010) ND (0.010)	ND (0.010) ND (0.010) ND (0.010) ND (0.010)	0.013    ND (0.005)
Toluene 1,1,1-Trichloroethane Trichloroethene Vinyl chloride Xylenes (total)	410,000 NA 520 7.9 410,000	42* 1,200 8.9 1.1 320	12 2 0.06 0.01	ND (0.010) ND (0.010) ND (0.010) ND (0.010)	ND (0.010) 	ND (0.005) ND (0.005) ND (0.005) ND (0.005)	ND (0.010) ND (0.010) - 0.19 ND (0.010)	ND (0.010)	ND (0.010) ND (0.010) ND (0.010) ND (0.010)	ND (0.005) ND (0.005)  ND (0.005) ND (0.005)
SVOCs 2-Methylnaphthalene Naphthalene Phenanthrene	NA 4,100° NA	NA 1.8ª NA	NA 12 NA	: :	: :	: : :	1 1 1	1 1	1 1 1	  

#### Notes:

a) Tier I Construction Worker Objective

NA: Not Available
-: Not Analyzed
ND: Not detected

1.3 Exceeds the Tier I Soil Migration to Class I Groundwater Objective

1.3 Exceeds the Tier I Soil Inhalation Objective

1.3 Exceeds both the Tier 1 Soil Migration to Class I Groundwater

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier 1 Ind/Comm Soil Ingestion Objective (mg/kg)	Tier I Ind/Comm Soil Inhalation Objective (mg/kg)	Tier 1 Migration to Class I GW Objective (mg/kg)	STS B-33 (4-8') (field lab) (mg/kg)	STS B-33 (12-16') (field lab) (mg/kg)	STS B-33 (28-32') (field lab) (mg/kg)	STS B-34 (0-4') (field lab) (mg/kg)	STS B-34 (12-16') (field lab) (mg/kg)	STS B-34 (12-16') (field lab - DUP) (mg/kg)	STS B-35 (4-8') (field lab) (mg/kg)
VOCs Acetone Benzene Carbon Disulfide 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	200,000 100 20,000° 200,000 1,800° 20,000	100,000 1.6 9* 130* 300* 1,200	16 0.03 32 23 0.06 0.4	  ND (0.010)  ND (0.010)	  ND (0.010)  ND (0.010)	 - ND (0.010) - ND (0.010)	  ND (0.050)  2.2	 - ND (0.010)  0.19	  ND (0.25)  ND (0.25)	  ND (0.010)  ND (0.010)
trans-1,2-Dichloroethene Ethylbenzene Methylene Chloride Naphthalene	41,000 20,000 760 4,100	3,100 58* 24 1.8*	0.7 13 0.02 12	ND (0.010)  ND (0.010) ND (0.010)	ND (0.010)  ND (0.010) ND (0.010)	ND (0.010) — ND (0.010) ND (0.010)	ND (0.050)  ND (0.050) ND (0.050)	ND (0.010)  ND (0.010) ND (0.010)	ND (0.25)  ND (0.25) ND (0.25)	ND (0.010)  ND (0.010) ND (0.010)
Tetrachloroethene Toluene 1,1,1-Trichloroethane Trichloroethene Vinyl chloride Xylenes (total)	110 410,000 NA 520 7.9 410,000	20 42* 1,200 8,9 1.1 320	0.06 12 2 0.06 0.01	ND (0.010) ND (0.010) - ND (0.010) ND (0.010)	ND (0.010) ND (0.010) ND (0.010) ND (0.010)	ND (0.010)  ND (0.010)  ND (0.010)  ND (0.010)  ND (	ND (0.050) ND (0.050)  2.3 ND (0.050)	ND (0.010) ND (0.010)	ND (0.25) ND (0.25)  5.4 ND (0.25)	ND (0.010) ND (0.010)  ND (0.010) ND (0.010)
SVOCs 2-Methylnaphthalene Naphthalene Phenanthrene	NA 4,100° NA	NA 1.8ª NA	NA I2 NA	- - -	- - -	- - -	1 1	 	 	- -

Notes:

a) Tier I Construction Worker Objective

NA: Not Available
-: Not Analyzed
ND: Not detected

1.3 Exceeds the Tier I Soil Migration to Class I Groundwater Objective
1.3 Exceeds the Tier I Soil Inhalation Objective

1.3 Exceeds both the Tier 1 Soil Migration to Class I Groundwater

#### TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier 1 Ind/Comm Soil Ingestion Objective (mg/kg)	Tier l Ind/Comm Soil Inhalation Objective (mg/kg)	Tier I Migration to Class I GW Objective (mg/kg)	STS B-35 (12-16') (field lab) (mg/kg)	STS B-36 (4-8') (field lab) (mg/kg)	STS B-36 (12-16') (field lab) (mg/kg)
VOCs						
Acetone	200,000	100,000	16	-	-	ND (0.025)
Benzene	100	1.6	0,03	_	-	-
Carbon Disulfide	20,000	9ª	32	-	-	_
I, I-Dichloroethane	200,000	130°	23	ND (0.010)	ND (0.010)	ND (0.25)
1.1-Dichloroethene	1,800	300°	0.06	_	_	_
cis-1,2-Dichloroethene	20,000	1,200	0.4	ND (0.010)	ND (0.010)	ND (0.25)
trans-1,2-Dichloroethene	41,000	3,100	0.7	ND (0.010)	ND (0.010)	ND (0.25)
Ethylbenzene	20,000	58°·	13	-	-	-
Methylene Chloride	760	24	0.02	ND (0.010)	ND (0,010)	ND (0.25)
Naphthalene	4,100"	1.84	12	ND (0,010)	ND (0.010)	3.1
Tetrachloroethene	110	20	0,06	ND (0.010)	ND (0.010)	ND (0.25)
Toluene	410,000	42ª	12	ND (0,010)	ND (0,010)	ND (0.25)
1,1,1-Trichloroethane	NA	1,200	2		-	<b>-</b>
Trichloroethene	520	8.9	0,06	ND (0,010)	ND (0.010)	ND (0.25)
Vinyl chloride	7,9	1.1	0.01	ND (0.010)	ND (0,010)	ND (0.25)
Xylenes (total)	410,000	320	150	_	-	-
SVOCs	1					
2-Methylnaphthalene	NA	NA	NA	-	-	-
Naphthalene	4,100	1.8	12	_	-	_
Phenanthrene	NA	NA	NA	_	-	_

Notes:

a) Tier I Construction Worker Objective

NA: Not Available -: Not Analyzed

ND; Not detected

Exceeds the Tier 1 Soil Migration to Class I Groundwater Objective

1.3 1.3 Exceeds the Tier I Soil Inhalation Objective

Exceeds both the Tier 1 Soil Migration to Class I Groundwater 1.3

# TABLE 2 SOIL ANALYTICAL DATA RESULTS - ORGANIC COMPOUNDS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

	Tier 1	Tier 1	Tier l	D	egreaser Pit (200)	2)		B-23 (2002)		MW-14 (2002)
	Ind/Comm	Ind/Comm	Migration to	Parsons	Parsons	Parsons	Parsons	Parsons	Parsons	Parsons
	Soil Ingestion	Soil Inhalation	Class I GW	SB-1 (3-5')	SB-2 (5-7.5')	SB-3 (4-5')	SB-4 (8-10°)	SB-5 (5-7')	SB-6 (3-5')	SB-7 (7-9')
	Objective	Objective	Objective	11/5/2002	11/5/2002	11/5/2002	11/5/2002	11/5/2002	11/5/2002	11/5/2002
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs										
Acetone	200,000	100,000	16	ND (0,0662)	ND (0,0592)	ND (0.0637)	0,275	ND (0.0598)	ND (0.0588)	ND (0.0623)
Benzene	100	1.6	0.03	ND (0.0027)	ND (0.0024)	ND (0.0026)	ND (0,0024)	ND (0,0024)	ND (0.0024)	0,003
Carbon Disulfide	20,000	94	32	ND (0.00265)	0.00344	0.00395	0.0226	ND (0.00239)	0.0106	ND (0,00249)
1,1-Dichloroethane	200,000	130°	23	0,516	0.0238	0.00624	ND (0,00235)	ND (0.00239)	ND (0.00235)	ND (0.00249)
1,1-Dichloroethene	1,800*	300*	0.06	0.139	ND (0.00237)	ND (0.00255)	ND (0.00235)	ND (0.00239)	ND (0.00235)	ND (0.00249)
cis-1,2-Dichloroethene	20,000	1,200	0.4	11.8	0.0242	0.0119	0.104	ND (0.00239)	ND (0.00235)	ND (0.00249)
trans-1,2-Dichloroethene	41,000	3,100	0.7	0.0922	ND (0.00237)	ND (0.00255)	0.00305	ND (0.00239)	ND (0.00235)	ND (0.00249)
Ethylbenzene	20,000	58*	13	0,0104	1.24	ND (0.0026)	0.0211	0.0211	ND (0.0024)	0.0052
Methylene Chloride	760	24	0.02	ND (0.00662)	ND (0.00592)	ND (0.00637)	ND (0.00587)	ND (0.00598)	ND (0.00588)	ND (0.00623)
Naphthalene	4,10 <b>0</b> *	1,8*	12	-	-			-	_	-
Tetrachloroethene	110	20	0.06	0,207	ND (0.00237)	ND (0.00255)	ND (0.00235)	ND (0.00239)	ND (0.00235)	ND (0.00249)
Toluene	410,000	42°	12	0.0034	0.0043	0.003	0,0102	ND (0.0024)	ND (0,0024)	0,0094
1,1,1-Trichloroethane	NA	1,200	2	1,86	0.00486	ND (0.00255)	ND (0.00235)	ND (0.00239)	ND (0.00235)	ND (0.00249)
Trichloroethene	520	8.9	0.06	80.8	0.0276	0,0358	0.0827	ND (0.00239)	ND (0.00235)	0.00312
Vinyl chloride	7.9	1.1	0.01	0.0238	ND (0,00237)	ND (0,00255)	0,0301	ND (0,00239)	ND (0.00235)	ND (0,00249)
Xylenes (total)	410,000	320	150	0.0141	0.129	0.0133	0.059	0.0094	ND (0.0024)	0.0126
SVOCs	[									
2-Methylnaphthalene	NA	NA	NA	3.12	8,64	ND (2.15)	ND (4.1)	3.08	ND (4.19)	ND (2.06)
Naphthalene	4,100°	1.84	12	ND (2.23)	ND (2.11)	ND (2.15)	ND (4.1)	ND (2.05)	ND (4.19)	ND (2.06)
Phenanthrene	NA	NA	NA	ND (2.23)	4.42	ND (2.15)	ND (4.1)	ND (2.05)	ND (4.19)	ND (2.06)

Notes:

a) Tier 1 Construction Worker Objective

NA: Not Available
-: Not Analyzed
ND: Not detected

1.3 Exceeds the Tier 1 Soil Migration to Class I Groundwater Objective

1.3 Exceeds the Tier I Soil Inhalation Objective

1.3 Exceeds both the Tier 1 Soil Migration to Class I Groundwater

## TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742		MW-I	MW-I	MW-I	MW-2	MW-2	MW-2	MW-3
Sample Location:	Class I GW	1	Monitoring Well						
Sampling Date:	Objective		8/22/1995	8/5/1998	8/16/2001	8/22/1995	8/5/1998	8/16/2001	8/22/1995
	(mg/L)	Units							
Field Measurements	Ì								
pН	NA.	_	-	-	6.88	-	-	7.22	-
Conductivity	NA	mS/cm		-	1.17	-	-	1.08	-
Temperature	NA.	degrees C		-	18.4	-	-	17.5	-
Oxidation-reduction potential	NA NA	mV	-	-	61	-	-	74	-
Dissolved Oxygen	NA	mg/L	-	-	2.71	-	-	2.82	_
Ferrous Iron	NA	mg/L	-	-	-	-	-	-	-
VOCs									
Acetone	0.7	mg/L	ND	ND	0.13	ND	ND	0.016	ND
Benzene	0.005	mg/L	ND (0.005)	ND	ND (0.001)	ND (0.005)	ND	ND (0,001)	ND (0.005)
2-Butanone	NA.	mg/L	ND	ND	ND (0.005)	ND	ND	ND (0.005)	ND
1.1-Dichloroethane	0.7	mg/L	ND ND	ND	ND (0.001)	ND	ND	ND (0.001)	ND
1.1-Dichloroethene	0.007	mg/L	ND	ND ND	ND (0.001)	ND	ND	ND (0.001)	ND
cis-1,2-Dichloroethene	0.07	mg/L	0.038	0.014	-	ND (0.005)	0.0041	-	0.31
trans-1,2-Dichloroethene	0,1	mg/L	ND (0.005)	ND	_	ND (0.005)	ND	_	ND (0,005)
1,2-Dichloroethene, total	0.07	mg/L	- (0.005)	-	0.033	.12 (0.000)	-	0.0051	
Ethylbenzene	0.7	mg/L	ND	ND	ND (0.001)	ND	ND	ND (0.001)	ND
1,1,1-Trichloroethane	0.2	mg/L	ND	ND	ND (0.001)	ND	ND ND	ND (0.001)	ND
Trichloroethene	0.005	mg/L	0.009	ND	ND (0.001)	ND (0.005)	0.0033	0,002	0.38
Vinyl chloride	0.002	mg/L	ND (0.01)	ND	ND (0.002)	ND (0.01)	ND	ND (0,002)	ND (0.001)
Xylenes (total)	10	mg/L	ND (B.S.)	ND	ND (0.003)	ND	ND	ND (0.003)	ND
ryicies (wai)	l '*		1.0	""	142 (0.002)	1.0		110 (0.003)	
Water Quality Parameters		·							
Methane	NA.	ug/L	_	_	-	-	-	-	-
Ethane	NA NA	ug/L	_	-	-	-	-	-	-
Ethene	NA NA	ug/L	_	-	-	-	-	-	-
Chloride	200	mg/L	_	-	-	-	-	-	-
Nitrogen, nitrate	10	mg/L	-	-	-		-	-	-
Nitrogen, nitrite	NA.	mg/L	_	-	-	-	-	-	-
Nitrogen, nitrate + nitrite	NA.	mg/L	-	_	_	-	-	-	-
Sulfate	400	mg/L	••	-	_	-	-	-	_
Sulfide	NA.	mg/L	_	_	-	-	_	-	-
Total Organic Carbon	NA	mg/L	-	-	-	-	-	-	_
Total Organic Carbon, dissolved	NA.	mg/L	_	-	-	-	_	-	_
Oil and Grease, total recoverable	NA	mg/L	-	_	_	-	-	-	-
Hardness	NA.	mg/L	-	-	_	-	_	_	-
Alkalinity	NA.	mg/L	_	_	-	_	-	-	_
Iron	NA	mg/L	_	-	-	_	-	-	_
Manganese	NA	mg/L	_	_	-	-	-	_	_
Calcium	NA	mg/L	-	_	-	_	-	-	_
Magnesium	NA.	mg/L	_	_	-	-	-	-	_
Potassium	NA.	mg/L		_	-	_	-	-	-
Sodium	NA	mg/L	_	_	_	-	_		_
· · ·	L	I				L			

Notes

-: Not Analyzed

NA: Not Applicable

ND: Not detected

### TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742		MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4
Sample Location:	Class I GW	1	Monitoring Well						
Sampling Date:	Objective	Į.	8/5/1998	5/17/2001	8/15/2001	1/17/2002	5/1/2002	8/22/1995	8/5/1998
	(mg/L)	Units							
Field Measurements		1							
pH	NA.	_	-	6.72	6.8	6.81	6.91	-	-
Conductivity	NA.	mS/cm	-	0,763	0.87	0.534	0.583	-	
Temperature	NA.	degrees C	-	18.2	24,05	9,7	13.8	- :	_
Oxidation-reduction potential	NA.	mV	-	214	77	161	-	-	-
Dissolved Oxygen	NA NA	mg/L	-	2,61	1,1	2.18	5.9	-	-
Ferrous Iron	NA NA	mg/L	-	0.04	0.03	0.02	0.07	-	_
VOC1									
Acetone	0.7	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND	ND
Benzene	0.005	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.05)	ND
2-Butanone	NA	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND	ND
1,1-Dichloroethane	0,7	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND	ND
1,1-Dichloroethene	0.007	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND	ND
cit-1,2-Dichloroethene	0.07	mg/L	0.27	_ ` ` ` ′			<u>`</u>	1.1	1.4
trans-1,2-Dichloroethene	0.1	mg/L	ND	_	- 1	-	_ '	ND (0.05)	ND
1,2-Dichloroethene, total	0.07	mg/L	-	0.33	0.37	0.27	0.24	_	_
Ethylbenzene	0.7	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND	ND
I.I.I-Trichloroethane	0.2	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND	ND
Trichloroethene	0,005	mg/L	0.21	0,14	0,2	0.12	0,11	1.5	0.39
Vinvl chloride	0.002	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.1)	ND
Xylenes (total)	10	mg/L	ND	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND	ND
Water Quality Parameters		i							
Methane	NA NA	eg/L	-	ND (2.8)	ND (10)	ND (10)	ND (10)	- 1	_
Ethane	NA	ug/L	-	ND (5.6)	ND (10)	ND (10)	ND (10)	_	_
Ethene	NA NA	ug/L	_	ND (5.0)	ND (10)	ND (10)	ND (10)	-	
Chloride	200	mg/L	-	24	27	30	33	_	_
Nitrogen, nitrate	10	mg/L	_	_	_	-	0.68	-	_
Nitrogen, nitrite	NA	mg/L		_	_	-	_	_	_
Nitrogen, nitrate + nitrite	NA	mg/L	-	0.18	0.11	0.14	-	-	_
Sulfate	400	mg/L	_	44	43	39	44	_	-
Sulfide	NA	mg/L	_	ND (1.0)	ND (1.0)	ND (1.0)	1.2	-	-
Total Organic Carbon	NA	mg/L	_			-	_	-	_
Total Organic Carbon, dissolved	NA.	mg/L	-	_	-	-	-	-	-
Oil and Grease, total recoverable	NA	mg/L	-	-	-	_	_	_	_
Hardness	NA	mg/L		-	_	_	360	_	-
Alkalinity	NA.	mg/L	_		_	_	340	-	_
Iron	NA NA	mg/L	_	-	-	-	0.07	_	_
Manganese	NA	mg/L	-	-	_	-	0.003	_	_
Calcium	NA	mg/L	-	-	_	-	_	_	_
Magnesium	NA.	mg/L	-	_	_	-	_	_	_
Potassium	NA.	mg/L	_	1	_	_	-	-	_
Sodium	NA	mg/L	_	_ '		_	_	_	_

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

## TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742	[	MW-4	MW-4	MW-4	MW-4	MW-4D	MW-4D	MW-4D
Sample Location:	Class I GW	i .	Monitoring Well						
Sampling Date:	Objective	ŀ	5/17/2001	8/15/2001	1/17/2002	5/1/2002	8/12/1998	8/15/2001	5/1/2002
	(mg/L)	Units							
Field Measurements									
рH	NA	-	7.33	6.86	6.94	6.84	-	7.31	7.13
Conductivity	NA	mS/cm	0.88	0.902	0.677	0.62	-	1.13	0.735
Temperature	NA	degrees C	14,6	18.78	12.7	11.8	-	16,3	13,4
Oxidation-reduction potential	NA	mV .	137	265	-12	-	-	-111	_
Dissolved Oxygen	NA	mg/L	9.44	2.52	1.54	3,25	-	0,72	1,36
Ferrous Iron	NA	mg/L	0.15	0	0.75	11,0	-	-	0.92
VOCi		l I							
Acetone	0.7	mg/L	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.05)	ND	ND (0.1)	ND (0.1)
Benzene	0.005	mg/L	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.05)	ND	ND (0.1)	ND (0.1)
2-Butanone	NA.	mg/L	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.05)	ND	ND (0.1)	ND (0.1)
1.1-Dichloroethane	0.7	mg/L	ND (0.05)	ND (0.1)	ND (0,1)	ND (0.05)	ND :	ND (0,1)	ND (0.1)
1,1-Dichloroethene	0.007	mg/L	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.05)	ND	ND (0.1)	ND (0.1)
cis-1.2-Dichloroethene	0.07	mg/L	-	_	_	-	1,6		<u>`</u> ´
trans-1.2-Dichloroethene	0.1	mg/L		_	_	_	0.019	_	_
1.2-Dichloroethene, total	0.07	mg/L	<del></del>	0.94	1.5	0.84	-	1.2	
Ethylbenzene	0.7	mg/L	ND (0,05)	ND (0,1)	ND (0.1)	ND (0.05)	ND .	ND (0.1)	ND (0,1)
I, I, I-Trichloroethane	0.2	mg/L	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.05)	ND	ND (0,1)	ND (0,1)
Trichloroethene	0.005	mg/L	0 33	0.17	ND (0.1)	0,16	0.028	ND (0.1)	ND (0.1)
Vinyl chloride	0.002	mg/L	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.05)	0.12	ND (0,1)	ND (0.1)
Xylenes (total)	10	mg/L	ND (0.05)	ND (0.1)	ND (0,1)	ND (0.05)	ND	ND (0.1)	ND (0,1)
					'				
Water Quality Parameters	NA		ND (2,8)	ND (10)	240	ND (10)	_	_	_
Methane		ug/L	• • •			` '	_		_
Ethane	NA NA	ug/L	ND (5.6)	ND (10)	ND (10)	ND (10)			_
Ethene	NA 200	ug/L	ND (5.0)	ND (10)	ND (10) 41	ND (10) 19	-	-	_
Chloride	200	mg/L	22	17			-	-	
Nitrogen, nitrate	10	mg/L	-	<del>-</del>	- i	ND (0.20)	-	-	-
Nitrogen, nitrite	NA NA	mg/L		0.091		_	-	_	-
Nitrogen, nitrate + nitrite	NA 400	mg/L	0.076	92	ND (0.050)	 74	-		-
Sulfate		mg/L	100		92	1.1	-	_	-
Sulfide	NA	mg/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	_		-
Total Organic Carbon	NA	mg/L	-	-	-	-	_	_	-
Total Organic Carbon, dissolved	NA V	mg/L	-	-	-	-	-	-	-
Oil and Grease, total recoverable	NA	mg/L	-	-	-	-	-	-	-
Hardness	NA	mg/L	-	_		410	-	-	-
Alkalinity	NA	mg/L	-	_	-	320	-	-	-
lron	NA	mg/L	-	_	- [	1,4	- 1		-
Manganese	NA	mg/L	-	-	-	0.047	-	-	-
Calcium	NA	mg/L	-	-	-	-	-	-	-
Magnesium	NA	mg/L	-	-	-	-	- :	-	-
Potassium	NA	mg/L	-	-	-	-	-	-	-
Sodium	NA	mg/L	-	_	-	_	-	-	_

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

## TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742		MW-5						
Sample Location:	Class I GW	Ĭ.	Monitoring Well						
Sampling Date:	Objective		8/22/1995	8/5/1998	8/28/2000	11/6/2000	2/16/2001	5/17/2001	8/15/2001
	(mg/L)	Units							
Field Measurements		1							
рH	NA.		-	-	6.39	6.4	5.59	7	6.8
Conductivity	NA NA	mS/cm	-	-	1.04	1.02	1.47	1.05	1.25
Temperature	NA.	degrees C	-	-	20.7	18.2	10.8	14.5	23.1
Oxidation-reduction potential	NA.	mV	-	-	6	-61	-69	70	-118
Dissolved Oxygen	NA.	mg/L	-	-	1.04	2.85	1,47	5.32	1.13
Ferrous Iron	NA.	mg/L	-	-	0.47	0.17	3.72	0.74	3.35
VOC:						1			
Acetone	0.7	mg/L	ND	ND	ND (0.1)				
Benzene	0.005	mg/L	ND	ND	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.1)	ND (0.1)
2-Butanone	NA	mg/L	ND	ND	ND (0.1)				
1,1-Dichloroethane	0.7	mg/L	ND	ND	ND (0.1)	ND (0.02)	ND (0,1)	ND (0.1)	ND (0.1)
1,1-Dichloroethene	0.007	mg/L	ND	ND	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.1)	ND (0.1)
cis-1,2-Dichtoroethene	0.07	mg/L	8.4	18	-	_	-	-	-
trans-1,2-Dichloroethene	0,1	mg/L	ND(I)	ND	-	-	_	-	-
1,2-Dichloroethene, total	0.07	mg/L	-	-	1,7	3.5	2.7	2.4	3
Ethylbenzene	0.7	mg/L	ND	ND	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.1)	ND (0.1)
1,1,1-Trichloroethane	0.2	mg/L	ND	ND	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.1)	ND (0.1)
Trichloroethene	0.005	mg/L	11	21	0.52	3	0.11	0.57	ND (0.1)
Vinvl chloride	0.002	mg/L	ND (2)	ND	ND (0.1)	ND (0.04)	ND (0.1)	ND (0.1)	0.11
Xylones (total)	10	mg/L	ND	ND	ND (0.1)	ND (0.06)	ND (0.1)	ND (0.1)	ND (0.1)
Water Quality Parameters	1								
Methane	NA.	ug/L	_	_	210	_	870	140	1200
Ethane	NA.	ug/L	-		ND (2.0)	_	6	ND (5.6)	ND (10)
Ethene	NA	ug/L	-		il	_	10	ND (5.0)	ND (10)
Chloride	200	mg/L	_	_	62	_	55	67	61
Nitrogen, nitrate	10	mg/L	-	_	ND (0.2)	_	ND (0.2)	_	_
Nitrogen, nitrite	NA.	mg/L	_	_	ND (0.2)	_	ND (0.2)	_	
Nitrogen, nitrate + nitrite	NA.	mg/L	_		_		-	ND (0.050)	ND (0,050)
Sulfate	400	mg/L			66		14	36	46
Sulfide	NA.	mg/L		_	ND (1.0)	_	1.2	ND (1.0)	ND (1.0)
Total Organic Carbon	NA NA	mg/L	_	_	7.9	_	13		-
Total Organic Carbon, dissolved	NA	mg/L	-	_	-	_	-		_
Oil and Grease, total recoverable	NA NA	mg/L	_	-	_	ND (5.0)	_	_	l <u>-</u>
Hardness	NA NA	mg/L	_		_		_	_	_
Alkalinity	NA NA	mg/L	I _		_	_		_	_
Iron	NA NA	mg/L	_	_	_	_	_	_	_
Manganese	NA NA	mg/L	_		_		_	_	_
Calcium	NA NA	mg/L	_	_	_	_	_	_	-
Magnesium	NA NA	mg/L	-	_	_	_	_	_	_
Potassium	NA NA	mg/L	_		_	_	_	_	i <u>-</u>
Sodium	NA NA	mg/L	_	_		_			_
COO	, ''A	p.r.	I –		_		_	_	_

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

### TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742		MW-5	MW-5	MW-5D	MW-6	MW-6	MW-6	MW-7
Sample Location:	Class I GW	l	Monitoring Well						
Sampling Date:	Objective	ſ	1/17/2002	5/1/2002	8/28/2000	8/22/1995	8/5/1998	8/16/2001	8/22/1995
	(mg/L)	Units			9/5/2000				
Field Measurements									
pH	NA	-	6.49	6.59	7.02	-	-	6.77	-
Conductivity	NA	mS/cm	1.05	0.504	0,762	-	-	1.18	-
Temperature	NA.	degrees C	12.5	12.6	17.9	-	-	16.79	-
Oxidation-reduction potential	NA	mV	175	-	94	-	-	-80	-
Dissolved Oxygen	NA	mg/L	0.25	1.47	3.38	-	-	0.18	-
Ferrous Iron	NA	mg/L	4.1	4.62	0.49	-	-	-	_
VOCs									
Acetone	0.7	mg/L	ND (0.2)	ND (0.1)	0.075	ND	ND	ND (0.05)	ND
Benzene	0,005	mg/L	ND (0.2)	ND (0.1)	ND (0.01)	0.015	ND	0.02	ND (0.005)
2-Butanone	NA	mg/L	ND (0.2)	ND (0.1)	ND (0.01)	ND	ND	ND (0.05)	ND
1,1-Dichloroethane	0,7	mg/L	ND (0.2)	ND (0.1)	ND (0.01)	ND	ND	ND (0.01)	ND
I,1-Dichloroethene	0,007	mg/L	ND (0.2)	ND (0.1)	ND (0.01)	ND	ND	ND (0.01)	ND
cis-1,2-Dichloroethene	0.07	mg/L	<u> </u>		_ `	3.4	2	_	0.017
trans-1,2-Dichloroethene	0,1	mg/L	-	_	_	0.033	ND	-	ND (0.005)
1,2-Dichloroethene, total	0.07	mg/L	2.6	1.4	ND (0.01)	-	_	1.5	-
Ethylbenzene	0.7	mg/L	ND (0.2)	ND (0.1)	ND (0.01)	NĐ	ND	ND (0.01)	ND
1.1.1-Trichloroethane	0.2	mg/L	ND (0.2)	ND (0.1)	ND (0.01)	ND	ND '	ND (0.01)	ND
Trichloroethene	0.005	mg/L	ND (0.2)	0.1	ND (0.01)	ND (0,005)	ND	ND (0.01)	0.65
Vinyl chloride	0.002	mg/L	ND (0.2)	0.1	ND (0.01)	0.65	1.2	1.1	ND (0.01)
Xylenes (total)	10	mg/L	ND (0.2)	ND (0.1)	ND (0,01)	ND	ND	ND (0.03)	ND
Water Quality Parameters						,			
Methane	NA	ug/L	3300	1700	970	-	-	-	_
Ethane	NA	ug∕l,	ND (10)	ND (10)	ND (2.0)	-	-	-	_
Ethene	NA	ug/L	ND (10)	ND (10)	ND (2.0)	-	-	-	-
Chloride	200	mg/L	64	35	5, l	-	-	-	_
Nitrogen, nitrate	10	mg/L	-	ND (0.20)	ND (0.2)	-	-	-	-
Nitrogen, nitrite	NA	mg/L	-	-	ND (0.2)	_	_	- 1	_
Nitrogen, nitrate + nitrite	NA	mg/L	ND (0.050)	_	-	i -		-	_
Sulfate	400	mg/L	59	35	30	-	-	-	_
Sulfide	NA.	mg/L	ND (1.0)	ND (1.0)	ND (1.0)	-	-	-	-
Total Organic Carbon	NA	mg/L	-	_	21	-	-	-	_
Total Organic Carbon, dissolved	NA	mg/L	-	-	-	-	-	-	_
Oil and Grease, total recoverable	NA	mg/L	ND (5.0)	ND (4.9)	-	_	-	-	-
Hardness	NA	mg/L	-	450	-	-	-	-	-
Alkalinity	NA	mg/L	-	340	-	-	-	-	_
Iron	NA.	mg/L	-	4.5	-	-	-	-	-
Manganese	NA	mg/L	-	3.2	-	-	-	-	-
Calcium	NA	mg/L	-	_	-	-	-	-	-
Magnesium	NA	mg/L	-	-	-	-	-	-	-
Potassium	NA.	mg/L	-	-	-	-	-	-	-
Sodium	NA.	mg/L		-	_	_	-	_	_

Notes

-: Not Analyzed

NA: Not Applicable

ND; Not detected

## TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742	•	MW-7	MW-7	MW-8.	MW-8	MW-8	MW-9	MW-9
Sample Location:	Class I GW	I :	Monitoring Well						
Sampling Date:	Objective		8/5/1998	8/16/2001	8/22/1995	8/5/1998	8/16/2001	8/22/1995	8/5/1998
	(mg/L)	Units							
Field Measurements					,				
рH	NA	-	-	6.92	_	-	6.92	-	-
Conductivity	NA	mS/cm	_	1.24	_	-	0.819	-	_
Temperature	NA	degrees C	-	18.6	-	-	18.07	-	_
Oxidation-reduction potential	NA NA	mV	-	72	-	-	144	-	_
Dissolved Oxygen	NA	mg/L	-	1.01	_	-	1,75	-	-
Ferrous Iron	NA	mg/L	-	-	-	-	-	-	-
voc.		·	1			İ			
Acetone	0.7	mg/L	ND	ND (0,025)	ND	ND	ND (0.005)	ND	ND
Benzene	0.005	mg/L	ND	ND (0,005)	ND (0.005)	ND	ND (0.001)	ND (0.005)	ND
2-Butanone	NA.	mg/L	ND	ND (0.025)	ND	ND	ND (0.005)	ND	ND
1,1-Dichloroethane	0,7	mg/L	ND	ND (0.005)	ND	ND	ND (0.001)	ND	ND
1,1-Dichloroethene	0.007	mg/L	ND	ND (0.005)	ND	ND	ND (0.001)	ND	ND
cis-1,2-Dichloroethene	0.07	mg/L	0.0052		0.012	ND	-	ND (0.005)	0.0078
trans-1,2-Dichloroethene	0.1	mg/L	ND	-	ND (0.005)	ND	_	ND (0.005)	ND
1.2-Dichloroethene, total	0.07	mg/L		ND (0.01)		-	0.0046	_	_
Ethylbenzene	0.7	mg/L	ND	ND (0,005)	ND	ND	ND (0.001)	ND	ND
I, I, I-Trichloroethane	0.2	mg/L	ND	ND (0,005)	ND	ND	0,0013	ND	ND
Trichloroethene	0,005	mg/L	0.41	0.59	0.13	ND	0.11	ND (0.005)	0.19
Vinvl chloride	0.002	mg/L	ND	ND (0.01)	ND (0.01)	ND	ND (0.002)	ND (0.01)	ND
Xylenes (total)	10	mg/L	ND	ND (0.015)	ND	ND	ND (0.003)	ND	ND
Water Quality Parameters									
Methane	NA NA	ug/L	_	_	_	_	_	_	_
Ethans	NA.	ug/L	_		_	-	_	_	_
Ethene	NA.	ug/L	_		_	_	_	_	_
Chloride	200	mg/L	_	_	-	_	_		_
Nitrogen, nitrate	10	mg/L	I	_			_	_	_
Nitrogen, nitrite	NA	mg/L		_	_	_	_	_	_
Nitrogen, nitrate + nitrite	NA NA	mg/L	_	_		_	_	_	_
Sulfate	400	mg/L	_	_	_	_	_	_	_
Sulfide	NA	mg/L		_		_		_	_
Total Organic Carbon	NA NA	mg/L			_	_	-	_	_
Total Organic Carbon, dissolved	NA NA	mg/L	_	_	_		<del>-</del>	_	_
Oil and Grease, total recoverable	NA.	mg/L		_	_	_	_	-	_
Hardness	NA NA	mg/L	_	_	-	_	_	_	_
Alkalinity	NA NA	mg/L mg/L		_	-	_		_	
Ankaninity Iron	NA NA	mg/L mg/L	_	_	-	-			
iron Manganese	NA NA	mg/L mg/L	_	_	_	_		-	_
Manganese Calcium	NA NA	mg/L			_	_			_
Magnesium	NA NA	mg/L			_	_	_	_	_
Potassium	NA NA	mg/L	_	_	_	_	_	_	_
Sodium	NA NA	mg/L	- -	_	_		_		
South	NA.	mg/L	· "				_	_	_

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

## TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742	l	MW-9	MW-10	MW-10	MW-I0	MW-11	MW-11	MW-11
Sample Location:	Class I GW		Monitoring Well						
Sampling Date:	Objective		8/16/2001	8/22/1995	8/5/1998	8/16/2001	8/22/1995	8/5/1998	8/16/2001
	(mg/L)	Units							
Field Measurements	Ì	ĺ					_		
рH	NA	-	6.79	-	-	6.95		-	6.66
Conductivity	NA	mS/cm	1.13	-	-	0.977	-	-	0.424
Temperature	NA	degrees C	20.3	-	-	17.1	-	-	20.1
Oxidation-reduction potential	NA	mV	139	-	-	91	-	-	-64
Dissolved Oxygen	NA	mg/L	1.09	-	-	0.7	-	-	1.36
Ferrous Iron	NA	mg/L	<b>}</b> –	-		-	-	-	-
VOCs									
Acetone	0,7	mg/L	ND (0.005)	ND	ND	ND (0.005)	ND	ND	ND (0.005)
Benzene	0.005	mg/L	ND (0.001)	ND (0.005)	ND	ND (0.001)	ND	ND	ND (0.001)
2-Butanone	NA.	mg/L	ND (0.005)	ND	ND	ND (0.005)	ND	ND	ND (0.005)
1.1-Dichloroethane	0,7	mg/L	ND (0.001)	ND	ND ND	ND (0.001)	ND	ND	ND (0.001)
1.1-Dichloroethene	0.007	mg/L	ND (0.001)	ND	ND	ND (0.001)	ND	ND	ND (0.001)
cis-1,2-Dichloroethene	0.07	mg/L	(0.001)	ND (0.005)	ND		ND (0.005)	ND	
trans-1,2-Dichloroethene	0.1	mg/L	_	ND (0.005)	ND	_	ND (0.005)	ND	_
1.2-Dichloroethene, total	0.07	mg/L	ND (0.001)	142 (0.003)	-	ND (0.001)	-	_	ND (0,002)
Ethylbenzene	0.7	mg/L	ND (0.001)	ND	ND	ND (0.001)	ND	ND	ND (0.001)
1,1,1-Trichloroethane	0.7	mg/L	ND (0.001)	ND	ND	ND (0.001)	ND	ND	ND (0.001)
Trichloroethene	0.005	mg/L	ND (0.001)	ND (0.005)	ND	ND (0.001)	ND (0,005)	ND	ND (0.001)
Vinvi chloride	0.002	mg/L	ND (0.002)	ND (0.01)	ND ND	ND (0.002)	ND (0.01)	ND	ND (0.002)
	10	mg/L mg/L	ND (0.002)	ND (0.01)	ND ND	ND (0.002)	ND ND	ND	ND (0.003)
Xylenes (total)	10	mg/L	(0.003)	ND	170	(4D (0.505)	ND	,,,,	(4) (0.003)
Water Quality Parameters	1								
Methane	NA	ug/L	-	-	_	-	-	-	_
Ethane	NA	ug/L	-	_	-	-	- '	-	_
Ethene	NA	ug/L	-	-	-	-	-	-	-
Chloride	200	mg/L	-	_	-	-	_	_	_
Nitrogen, nitrate	10	mg/L	_	-	_	_	-	-	_
Nitrogen, nitrite	NA.	mg/L	_	_	_	_	-	-	-
Nitrogen, nitrate + nitrite	NA	mg/L	_	_	-	_	-	_	-
Sulfate	400	mg/L	_	_	_	_	_ '	-	-
Sulfide	NA	mg/L	_	-	_	_	_	-	_
Total Organic Carbon	NA.	mg/L	_	_	_	-	_		_
Total Organic Carbon, dissolved	NA.	mg/L		l <u>-</u> ·	_	_	_	_	_
Oil and Grease, total recoverable	NA NA	mg/L	_	_		l <u>-</u>	_	_	_
Hardness	NA.	mg/L		_	_	_	_	_	_
Alkalinity	NA NA	mg/L		_	_	_	_	_	_
lron	NA NA	mg/L	I	] _	_	l -	_	_	_
Manganese	NA.	mg/L	_		_	l <u>-</u>	_	_	. <u>.</u>
Calcium	NA NA	mg/L	_	-	_	_	_		_
Magnesium	NA NA	mg/L			_	_	_	_	_
Potassium	NA NA	mg/L	_	_		_	_	_	_
Sodium	NA NA	mg/L	I -	1 [		I [		_	
NAME OF THE PARTY	17/2	Ittg/ L		i -	I -	ı -	I -		_

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

#### TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742		MW-12	MW-12	MW-13	MW-13	MW-14	MW-14	MW-15S
Sample Location:	Class I GW	1	Monitoring Well						
Sampling Date:	Objective		8/12/1998	8/16/2001	8/12/1998	8/16/2001	8/12/1998	8/16/2001	5/17/2001
	(mg/L)	Units						·	
Field Measurements		•							
Hq	NA NA	_	_	6,92	_	6.77	_	7.19	7.1
Conductivity	NA	mS/cm	-	0.721	_	0.97	-	0.96	0,939
Temperature	NA	degrees C		19,98	_	17.54	_	18.1	15,5
Oxidation-reduction potential	NA.	mV	-	-132	_	74	_	-140	-23
Dissolved Oxygen	NA	mg/L		0.03	_	0.09	_ :	0.91	_
Ferrous Iron	. NA	mg/L	-	-	-	_	_	-	-
VOC:									
Acetone	0.7	mg/L	ND	ND (0,005)	ND	ND (0.005)	ND	ND (0.005)	ND (0.01)
Benzene	0.005	mg/L	ND	ND (0.001)	ND	ND (0.001)	ND	ND (0.001)	ND (0.01)
2-Butanone	NA	mg/L mg/L	ND	ND (0.005)	ND ND	ND (0.005)	ND	ND (0.005)	ND (0.01)
1.1-Dichloroethane	0.7	mg/L	ND	0.047	ND	ND (0.003)	ND ND	ND (0.001)	ND (0.01)
1.1-Dichloroethene	0.007	mg/L	ND	ND (0.001)	ND	ND (0.001)	ND	ND (0.001)	ND (0.01)
cis-1,2-Dichloroethene	0.07	mg/L mg/L	0.44	(100,001)	ND ND	ND (0.001)	0.0068	AD (0.001)	(10:01)
trans-1,2-Dichloroethene	0.07	mg/L mg/L	0.0029	_	ND	_	0.0067		_
	0.07	mg/L	0,0029	0.0092	- ND	ND (0.002)	0.0007	0.009	ND (0.01)
1,2-Dichloroethene, total Ethylbenzene	0.7	mg/L mg/L	- ND	ND (0,001)	ND	ND (0.001)	ND	ND (0.001)	ND (0.01)
1,1,1-Trichloroethane	0.7		ND	0.0015	ND ND	ND (0.001)	ND	ND (0.001)	ND (0.01)
Trichloroethene	0.005	mg/L mg/L	0.053	0.01	ND ND	ND (0.001)	0.0046	ND (0.001)	ND (0.01)
Vinyl chloride	0.003	_	1.3	0.034	ND ND	ND (0.002)	ND	0 0038	ND (0.01)
	10	mg/L mg/L	ND ND	ND (0.003)	ND ND	ND (0.002)	ND ND	ND (0.003)	ND (0.01)
Xylenes (total)	10	mg/L	ND	ND (0.003)	ND	ND (0,003)	ND	ND (0.003)	ND (0.01)
Water Quality Parameters				į					
Methane	NA	ug/L	-		-	-	-		-
Ethane	NA	ug/L		- 1	-		_	-	_
Ethene	NA	ug/L	_	_	_	-	-	-	-
Chloride	200	mg/L	_	-	-	-	-	-	-
Nitrogen, nitrate	10	mg/L	_	-	-	_	-	-	-
Nitrogen, nitrite	NA	mg/L	-	_		-	-	-	-
Nitrogen, nitrate + nitrite	NA	mg/L	_	-	_	-	_	-	-
Sulfate	400	mg/L	_	_	_	_	_	-	-
Sulfide	NA	mg/L	_	-	-	-	-	-	-
Total Organic Carbon	NA	mg/L	_	-	-	-	-	-	-
Total Organic Carbon, dissolved	NA NA	mg/L	_		-	- 1	-	-	-
Oil and Grease, total recoverable	NA	mg/L	_	_	_	-	_	-	-
Hardness	NA	mg/L	-	_	-	_	-	_	-
Alkalinity	NA	mg/L			_	_	_	_	-
Iron	NA	mg/L	_	_	-	-	_	_	_
Manganese	NA.	mg/L	_		-	-	_	-	-
Calcium	NA	mg/L	_		_	_	_	-	-
Magnesium	NA.	mg/L	_	-	_	_	_	- :	-
Potassium	NA	mg/L	_	_	_	_	_	_	_
Sodium	NA.	mg/L		_	_	_	_	_	_

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

### TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID:	IAC Part 742		MW-15S	MW-15D	TMP-I	TMP-2	TMP-3	TMP-4	TMP-5
Sample Location:	Class I GW		Monitoring Well	Monitoring Well	Temporary Well #1	Temporary Well #2	Temporary Well #3		Temporary Well #5
Sampling Date:	Objective		8/15/2001	8/15/2001	8/28/2000	8/28/2000	8/28/2000	8/28/2000	8/28/2000
	(mg/L)	Units							
Field Measurements									
pН	NA	-	6.76	7.42	6.41	6.5	6.35	6.44	6.02
Conductivity	NA	mS/cm	1,07	0.89	0.89	0.776	0.771	0,693	0.652
Temperature	NA	degrees C	21,1	17.6	23,9	19.4	20.1	22,8	20,9
Oxidation-reduction potential	NA	mV	-62	-140	-53	53	-16	-14	-19
Dissolved Oxygen	NA.	mg/L	0.56	0.72	1.2	1.63	9.9	2,46	1,78
Ferrous Iron	NA.	mg/L	0.16	-	-	-	-	-	-
VOC:		ľ							
Acetone	0.7	mg/L	ND (0.01)	ND (0.01)	0.022	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.01)
Benzene	0.005	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.01)
2-Butanone	NA	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.01)
1,1-Dichloroethane	0.7	mg/L .	ND (0.01)	ND (0,01)	ND (0.01)	ND (0.05)	ND (0.05)	0.41	ND (0.01)
1.1-Dichleroethene	0.007	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.05)	0.16	ND (0 01)
cis-1.2-Dichloroethene	0.07	mg/L	_ `				<u> </u>		_
trans-1,2-Dichloroethene	0.1	mg/L	_	-	-	_	_	-	-
1,2-Dichloroethene, total	0.07	mg/L	ND (0.01)	ND (0.01)	0.015	0.62	0.58	0.71	0.17
Ethylbenzene	0,7	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.01)
1,1,1-Trichloroethane	0.2	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.05)	4.7	ND (0 01)
Trichloroethene	0.005	mp/L	ND (0.01)	ND (0.01)	ND (0.01)	0.26	0.16	0.55	0.01
Vinvt chloride	0.002	mg/L	ND (0.01)	ND (0.01)	0.052	ND (0.05)	ND (0.05)	ND (0.05)	0.063
Xylenes (total)	tū	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.01)
Water Quality Parameters							ĺ		
Methane	NA.	eg/L	280	-	-	-	-	-	
Ethane	NA	ug/L	ND (10)	-	-	-	-	-	-
Ethene	NA	ug/L	ND (10)	_	_	-	-	-	-
Chloride	200	mg∕L	26	-	-	-	_	-	_
Nitrogen, nitrate	10	mg/L	-	-	-	_	-	-	-
Nitrogen, nitrite	NA	mg/L	-	- '	-	-	-	-	-
Nitrogen, nitrate + nitrite	NA	mg/L	ND (0.05)	_	_	-	-	-	-
Sulfate	400	mg∕L	37	-	-	- 1	-	-	-
Sulfide	NA	mu∕L.	ND (1.0)	_	<b>-</b>			-	-
Total Organic Carbon	NA	mg/L	-	-	-	-	-	-	-
Total Organic Carbon, dissolved	NA NA	mg/L	-	-	-	-	-	-	-
Oil and Grease, total recoverable	NA NA	mg/L	-	-	-	-	-	-	-
Hardness	NA NA	mg∕L	-	-	-	-	-	-	-
Alkalinity	NA	mg/L	-	-	-	- 1	-	-	-
Iron	NA	mg∕L.	-	-	-	-	-	-	-
Manganese	NA NA	ասք∕ե	-	-	-	-	-	-	-
Calcium	NA	mg/L	-	-		-	-	-	-
Magnesium	NA NA	mg/L	_	-	-	-	-	-	-
Potassium	NA	mg/L	-	~	- 1	-	-	-	-
Sodium	NA NA	mg∕L	-	-	-	-	-	-	-

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

### TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Sample ID: Sample Location;	IAC Part 742 Class I GW		TMP-6 Temporary Well #6	TMP-7 Temporary Well #7	TMP-8 Temporary Well #8	TMP-9 Temporary Well #9	TMP-10	TMP-11 Temporary Well #11	TMP-12
	Objective		8/28/2000	1t/7/2000	11/7/2000	11/7/2000	11/7/2000	11/7/2000	11/7/2000
Sampling Date:	(mg/L)	Units	0/26/2000	11/1/2000	11/1/2000	11///2000	11/1/2000	11/1/2000	11///2000
Field Measurements	(mg/L)	Ontis							
pH	NA.	l _	6.8	6.05	6.04	5.93	5.82	5.79	5.98
Conductivity	NA NA	mS/cm	0.889	0,965	0.507	0.47	1.28	1.73	1.13
-	NA NA	degrees C	19.9	18.5	18.3	18.6	18,3	18.5	18,4
Temperature Oxidation-reduction potential	NA NA	mV	19.9 -4	-28	-25	-1	-7	-13	-21
Dissolved Oxygen	NA NA	mg/L	0.5	0.62	1.81	3,19	1,5	2.08	1.22
Ferrous Iron	NA.	mg/L	-	-	-	-	-	-	-
VOCs									Ì
Acctone	0,7	mg/L	ND (0.01)	_	-	-	-	-	-
Benzene	0.005	mg/L	ND (0.01)	-	-	-	-	-	-
2-Butanone	NA NA	mg/L	ND (0.01)	_	-	-	-	-	-
1,1-Dichloroethane	0,7	mg/L	ND (0,01)	-	-	-	-	-	-
1,1-Dichloroethene	0.007	mg/L	ND (0.01)	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.07	mg/L	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	0.1	mg/L	-	-	-	-	-	-	_
1,2-Dichloroethene, total	0.07	mg/L	0.028	-	-	-	-	-	-
Ethylbenzene	0.7	mg/L	ND (0,01)	-	-	-	-	-	_
1,1,1-Trichloroethane	0.2	mg/L	ND (0.01)	-	-	-	-	-	-
Trichloroethene	0.005	mg/L	ND (0.01)	-	-	_	-	-	-
Vinyl chloride	0.002	mg/L	ND (0.01)	-	-	_	-	-	-
Xylenes (total)	10	mg/L	ND (0.01)	-	-	-	-	-	_
Water Quality Parameters	1								
Methane	NA.	ug/L	-	-	-	-	-	-	-
Ethane	NA.	ug/L	-	-	-	-	-	-	-
Ethene	NA NA	ug/L	_	_	-	<u>-</u>	-	-	-
Chloride	200	mg/L	-	-	-	_	-	-	-
Nitrogen, nitrate	10	mg/L		-	-	-	-		-
Nitrogen, nitrite	NA.	mg/L	- :	-	-	_	-	-	-
Nitrogen, nitrate + nitrite	NA.	mg/L	-	-	-	-	-	-	-
Sulfate	400	mg/L	-	-	-	-	-	-	-
Sulfide	NA.	mg/L	-	-	-	-	-	-	-
Total Organic Carbon	NA NA	mg/L	-	-	-	-	-	-	-
Total Organic Carbon, dissolved	NA.	mg/L	-	-	-	l	-	_	-
Oil and Grease, total recoverable	NA.	mg/L	-	930	2600	ND (25)	60000	43000	500
Hardness	NA NA	mg/L	-	-	-	_	-	-	-
Alkalinity	NA	mg/L	-	-	-	_		-	-
Iron	NA	mg/L	-	-	-	-	-	-	-
Manganese	NA	mg/L	-	-	-	-	-	-	_
Calcium	NA	mg/L	-	-	-	_	-	-	-
Magnesium	NA.	mg/L	-	-	- ;	-	-	' -	-
Potassium	NA	mg/L	-	-	-	-	-	-	-
Sodium	NA.	mg/L	_	-	-	-	-	-	-

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

TABLE 3
GROUNDWATER ANALYTICAL DATA RESULTS
FORMER YOUNG RADIATOR SITE
MATTOON, ILLINOIS

		l .	VegOil Pilot Test									
Sample ID:	IAC Part 742		VEG-1	VEG-1	VEG-2	VEG-2	VEG-2	VEG-2	VEG-2			
Sample Location:	Class I GW	j .	Monitoring Well	Monitoring Well	Monitoring Well	Monitoring Well	Monitoring Well	Monitoring Well	Monitoring Well			
Sampling Date:	Objective		8/28/2000	11/6/2000	8/28/2000	11/6/2000	2/16/2001	5/17/2001	8/15/2001			
	(mg/L)	Units	1	_			_					
Field Measurements		i	· -									
pH	NA NA	-	6.19	5.45	6.49	6 23	5.56	6.86	6.9			
Conductivity	NA	mS/cm	0.928	1.91	0,773	0.792	0.97	1.11	1.38			
Temperature	NA NA	degrees C	21.3	16.6	19,8	18	II.	15.1	19.9			
Oxidation-reduction potential	NA NA	mV	39	-56	108	-56	-217	-138	-146			
Dissolved Oxygen	NA NA	mg/L	0.01	1.26	0.54	0.57	1.08	2,4	0.55			
Ferrous Iron	NA	mg/L	0.34	13.25	0.78	2.23	9.3	3,14	4.33			
vocı		İ						!				
Acctone	0.7	mg/L	ND (0.02)	ND (0.25)	ND (0.2)	ND (0.25)	ND (1)	ND (2.5)	ND(l)			
Benzene	0,005	mg/L	ND (0.02)	ND (0.05)	ND (0.2)	ND (0.050)	ND (1)	ND (0.5)	ND (1)			
2-Butanone	NA.	mg/L	ND (0.02)	0.61	ND (0.2)	ND (0.25)	ND (1)	ND (2.5)	ND(I)			
1.1-Dichloroethane	0.7	mg/L	ND (0.02)	ND (0.05)	ND (0.2)	ND (0.050)	ND(I)	ND (0.5)	ND (1)			
1.1-Dichloroethene	0.007	mg/L	ND (0.02)	ND (0.05)	ND (0.2)	ND (0.050)	ND (1)	ND (0.5)	ND(I)			
cis-1.2-Dichloroethene	0,07	mg/L			-		_`´	<u>.</u>	``			
trans-1,2-Dichloroethene	0.1	mg/L		_	_	_	-	_	-			
1.2-Dichloroethene, total	0.07	mg/L	0.41	9.2	7.4	19	36	44	32			
Ethylbenzene	0.7	mg/L	ND (0.02)	ND (0.05)	ND (0.2)	ND (0.050)	ND (1)	ND (0.5)	ND(I)			
1.1.1-Trichloroethane	0.2	mg/L	ND (0.02)	ND (0,05)	ND (0.2)	ND (0.050)	ND (I)	ND (0.5)	ND(I)			
Trichloroethene	0.005	mg/L	0.11	ND (0.05)	1.3	7,1	ND (1)	3	ND (1)			
Vinvl chloride	0.002	mg/L	ND (0.02)	0.2	0.22	0.67	1.4	2.8	9,1			
Xylenes (total)	10	mg/L	ND (0.02)	ND (0.15)	ND (0.2)	ND (0.150)	ND (1)	ND (0.5)	ND (I)			
									i			
Water Quality Parameters		_	110				500	670	580			
Methane	NA 	ug/L	110	-	83	- 1	500 68	70	120			
Ethane	NA	ug/L,	ND (2.0)	-	5.4	-						
Ethene	NA	ug/L	5.7	-	2,2	-	ND (5,0)	ND (5.0)	ND (10)			
Chloride	200	mg/L	42	-	33	-	52	50	66			
Nitrogen, nitrate	10	mg/L	ND (0.2)	-	ND (0.2)	- 1	ND (0.2)	-	-			
Nitrogen, nitrite	NA.	mg/L	ND (0.2)	-	ND (0.2)	-	ND (0,2)					
Nitrogen, nitrate + nitrite	NA	mg/L	_	-	-	-	<del>.</del> .	ND (0.050)	ND (0.050)			
Sulfate	400	mg/L	55	-	43	-	6.6	5.7	2.2			
Sulfide	NA	mg∕L	ND (1.0)	-	ND (1.0)	-	ND (1.0)	ND (1.0)	ND (1.0)			
Total Organic Carbon	NA	mg/L	12	-	18	-	86	_	_			
Total Organic Carbon, dissolved	NA NA	mg/L,	-	<del>-</del>	-	I	-	-	-			
Oil and Grease, total recoverable	NA	mg/L	-	330	-	ND (5.0)	-	-	ND (4.8)			
Hardness	NA	mg/L	-	-	-	- 1	-	-	-			
Alkalinity	NA	mg/L	_	-	-	-	-	-	-			
lron	NA NA	mg/L		_	_	-	-	-	_			
Manganese	NA	mg/L	-	-	-	-	-	-	_			
Calcium	NA NA	mg/L	_	-	-	-	-	-	-			
Magnesium	NA .	mg/L	-	-	-	-	-	-	-			
Potassium	NA	mg/L,	-	-	_	-	-	-	-			
Sodium	NA NA	mg/L	} -	-	-	-	-	-	-			

Notes:

- Not Analyzed

NA: Not Applicable

ND: Not detected

TABLE 3
GROUNDWATER ANALYTICAL DATA RESULTS
FORMER YOUNG RADIATOR SITE
MATTOON, ILLINOIS

					VegOil Pilot Test		
Sample ID:	IAC Part 742		VEG-2	VEG-2	VEG-1D	VEG-2D	VEG-2D
Sample Location:	Class I GW		Monitoring Well	Monitoring Well	Monitoring Well	Monitoring Well	Monitoring Well
Sampling Date:	Objective		1/17/2002	5/1/2002	8/28/2000	8/28/2000	8/15/2001
	(mg/L)	Units					
Field Measurements							
pH	NA NA	-	6.58	6.58	7.41	7.37	7,38
Conductivity	NA	mS/cm	0.827	0,846	1.01	0.816	0.94
Temperature	NA.	degrees C	11.2	12,7	24,5	24.9	17.1
Oxidation-reduction potential	NA NA	mV	147	-	124	115	-159
Dissolved Oxygen	NA NA	mg/L	0.09	0.94	5.07	5.54	0.95
Ferrous Iron	NA	mg∕L	3.15	4.32	8.5	55	-
VOCs							
Acetone	0.7	mg/L	ND (2)	ND(I)	0.024	0.023	ND (0.01)
Benzene	0.005	mg/L	ND (2)	ND (1)	ND (0.01)	ND (0.01)	ND (0.01)
2-Butanone	NA	mg/L	ND (2)	ND (I)	0.049	0,16	ND (0.01)
1,1-Dichloroethane	0.7	mg/L	ND (2)	ND (1)	ND (0.01)	ND (0.01)	ND (0.01)
1,1-Dichloroethene	0.007	mg/L	ND (2)	ND (1)	ND (0.01)	ND (0.01)	ND (0.01)
cis-1,2-Dichloroethene	0.07	mg/L	-	-		-	-
trans-1,2-Dichloroethene	0.1	mg/L	-	-		_	-
1,2-Dichloroethene, total	0.07	mg/L	41	26	0.19	0,18	810.0
Ethylbenzene	0,7	mg/L	ND (2)	ND (1)	ND (0.01)	ND (0.01)	ND (0.01)
1,1,1-Trichlomethane	0.2	mg/L	ND (2)	ND (1)	ND (0.01)	ND (0.01)	ND (0.01)
Trichloroethene	0.005	mg/L	ND (2)	ND (1)	0.094	0.024	ND (0.01)
Vinyl chloride	0.002	mg/L	8,3	5.3	ND (0.01)	ND (0.01)	0.015
Xylenes (total)	10	mg/L	ND (2)	ND (1)	ND (0.01)	ND (0.01)	ND (0.01)
Water Quality Parameters	1						
Methane	NA NA	սաշՂ	2400	2200	2300	440	_
Ethane	NA.	ug/L	ND (500)	ND (1000)	ND (2.0)	ND (2.0)	_
Ethene	NA.	ug/L	ND (10)	22	ND (2.0)	3	_
Chloride	200	mg/L	78	44	40	28	_
Nitrogen, nitrate	10	mg/L		ND (0.2)	0.2	0.49	_
Nitrogen, nitrite	NA.	mg/L			ND (0.2)	ND (0.2)	_
Nitrogen, nitrate + nitrate	NA.	mg/L	ND (0.050)	_	_	<u>`</u> ′	_
Sulfate	400	mg/L	22	ND (2.0)	86	61	-
Sulfide	NA.	mg/L	ND (1.0)	ND (1.0)	2	2.4	_
Total Organic Carbon	NA NA	mg/L			120	1300	_
Total Organic Carbon, dissolved	NA.	mg/L	l - :	_	_	-	_
Oil and Grease, total recoverable	NA NA	mg/L	4.9	ND (4.9)	_	_	ND (4,8)
Hardness	NA NA	mg/L		540		_	
Alkalinity	NA NA	mg/L	_	320	_	_	_
lron	NA NA	mg/L	_	15	_	_	_
Manganese	NA NA	mg/L	_	3,7	-	_	_
Calcium	NA NA	mg/L		-	-		_
Magnesium	NA NA	mg/L	_	_	_	_	_
Potassium	NA NA	mg/L	_	_	_	_	_
Sodium	NA NA	mg/L	I _	_			_
South	1 ***	mg/L	I		_		

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected

## TABLE 3 GROUNDWATER ANALYTICAL DATA RESULTS FORMER YOUNG RADIATOR SITE MATTOON, ILLINOIS

Ĭ		ŀ		Permea	ble Reactive Barr	rier Wall	
Sample ID:	IAC Part 742	ł	PRB-1	PRB-3	PRB-4	PRB-5	PRB-6
Sample Location:	Class I GW		Temp. Well	Temp. Well	Temp. Well	Temp. Well	Temp. Well
Sampling Date:	Objective	1	11/5/2002	11/5/2002	11/5/2002	11/5/2002	11/5/2002
. 0	(mg/L)	Units					
Field Measurements	ì	1					
pΗ	NA NA		7.14	6,58	7,07	7,26	7.04
Conductivity	NA NA	mS/cm	933	510	722	826	784
Temperature	NA	degrees C	14.95	15,05	14,01	13.2	12.99
Oxidation-reduction potential	NA	mV	-54.9	99	-28	-30.2	23.2
Dissolved Oxygen	NA	mg/L	2,92	4.87	2.48	3.37	4.29
Ferrous Iron	NA	mg/L		_		-	_
VOCs			ļ				
Acctone	0.7	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (8.05)
Benzene	0.005	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone	NA	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethane	0.7	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.007	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.07	mg/L	ND (0.001)	0.0073	0.313	0.262	0.0254
trans-1,2-Dichloroethene	1.0	mg/L	ND (0.001)	ND (0.001)	0.004	0.191	ND (0.001)
1,2-Dichloroethene, total	0.07	mg/L			-		
Ethylbenzene	0.7	mg/L	ND (0.001)	0.0012	0.0025	ND (0.001)	ND (0.001)
l, l, l-Trichloroethane	0.2	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0,001)	ND (0.001)
Trichloroethene	0.005	mg/L	ND (0.001)	0.0017	9.0031	0.779	0.0465
Vinyl chloride	0.002	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	0.9012	ND (0.001)
Xylenes (total)	10	mg/L	ND (0.001)	0.004	0.0122	0.0013	ND (0.001)
Water Quality Parameters							
Methane	NA	ug/L	_	_	l –	ļ <u> </u>	_
Ethane	NA	ug/L			_	_	_
Ethene	NA.	ug/L			-	_	_
Chloride	200	mg/L	_	1.61	15.4	21.4	_
Nitrogen, nitrate	10	mg/L	_	0.13	0.32	0,1	_
Nitrogen, nitrite	NA	mg/L	_	_		1 -	_
Nitrogen, nitrate + nitrite	NA	mg/L	_	_	_	_	_
Sulfate	400	mg/L		21,4	63,4	24,5	-
Sulfide	NA	mg/L	_	_	_	_	_
Total Organic Carbon	NA	mg/L		3,75	4,05	2,67	_
Total Organic Carbon, dissolved	NA	mg/L		2,99	3,36	2,41	_
Oil and Grease, total recoverable	NA	mg/L	_	_			_
Hardness	NA.	mg/L			_	_	**
Alkalinity	NA.	mg/L		208	296	416	_
Iron	NA.	mg/L	_	128	339	316	_
Manganese	NA.	mg/L	_		_	_	_
Calcium	NA	mg/L	_	133	488	912	_
Magnesium	NA	mg/L	_	60.3	217	400	_
Potassium	NA	mg/L		13,1	27,4	37.3	_
Sodium	NA	mg/L	_	9.57	28.3	35	_
				7.07			

Notes:

-: Not Analyzed

NA: Not Applicable

ND: Not detected