

## GIS REGISTRY INFORMATION

<b>SITE NAME:</b>	MINASIAN OIL COMPANY		
<b>BRRTS # and FID #:</b>	<b>0352005108 252112960</b>		
<b>CLOSURE DATE:</b>	09/18/2003		
<b>STREET ADDRESS:</b>	1414 RAPIDS DRIVE		
<b>CITY:</b>	RACINE		
<b>SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):</b>	X=		Y=

<b>OFF-SOURCE CONTAMINATION (&gt;ES):</b> <small>(if there are more than 2 off-source properties, make a note and attach additional sheet(s))</small>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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**IF YES, STREET ADDRESS 1:** \_\_\_\_\_

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

**IF YES, STREET ADDRESS 2:** \_\_\_\_\_

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

<b>CONTAMINATION IN RIGHT OF WAY:</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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<b>CONTAMINATED MEDIA: (Groundwater, Soil or Both?)</b>	<b>BOTH</b>
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<b>DOCUMENTS NEEDED:</b>	
Closure Letter, and any conditional closure letter issued	<input checked="" type="checkbox"/>
Copy of most recent deed, including legal description, for all affected properties	<input checked="" type="checkbox"/>
Certified survey map or relevant portion of the recorded plat map <i>(if referenced in the legal description)</i> for all affected properties	<input checked="" type="checkbox"/>
County Parcel ID number, <i>if used for county</i> , for all affected properties	<input checked="" type="checkbox"/>
Location Map which outlines all properties within contaminated site boundaries in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy)	<input checked="" type="checkbox"/>
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy)	<input checked="" type="checkbox"/>
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	<input checked="" type="checkbox"/>
Isoconcentration map(s), <i>if available from site investigation (SI)</i> (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of contamination defined. <b>If not available, include the following 2 types of maps:</b>	<input type="checkbox"/>
Latest groundwater flow/monitoring well location map	<input checked="" type="checkbox"/>
Latest extent of contaminant plume map	<input checked="" type="checkbox"/>
Geologic cross-sections, <i>if available from SI</i> . (8.5x14' if paper copy)	<input type="checkbox"/>
RP certified statement that legal descriptions are complete and accurate	<input type="checkbox"/>
Copies of off-source notification letters (if applicable)	<input type="checkbox"/>
Letter informing ROW owner of residual contamination (if applicable)	<input type="checkbox"/>
Copy of (soil or land use) deed restriction(s) or deed notice <i>if any required as a condition of closure</i> .	<input checked="" type="checkbox"/>



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast Region  
Sturtevant Service Center  
9531 Rayne Road, Suite IV  
Sturtevant, Wisconsin 53177  
Telephone 262-884-2300  
FAX 262-884-2307  
TDD 262-884-2304

September 18, 2003

Paul Minasian  
Minasian Oil Company  
1414 Rapids Drive  
Racine, WI 53404

SUBJECT: Final Case Meeting Conditional Closure Requirements of Filing Soil and Groundwater Deed Restrictions, Minasian Oil Company. 1414 Rapids Drive, Racine WI, FID 252112960, BRRTS 03-52-005108

Dear Mr. Minasian:

On August 21, 1999 your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On August 21, 1999, you were notified that conditional closure was granted to this case.

On August 25, 2003, the Department received correspondence indicating that you have complied with the conditions of closure. The final recorded Soil and Groundwater Deed Restrictions were received. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

State Statute 101.143 requires that owners seeking reimbursement of interest costs from the PECFA Program submit a final reimbursement claim within 120 days after they receive a closure letter on their site. If you are eligible for the PECFA Program, and anticipate filing a PECFA reimbursement claim that includes interest costs, you must file a final reimbursement claim to the Department of Commerce within 120 days from receipt of this letter. If you fail to file a claim within that 120-day period, subsequent interest costs will not be eligible for reimbursement by PECFA.

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 262-884-2341.

Sincerely,

Shanna L Laube, P.G.  
Hydrogeologist

Cc: Tom Pederson, Dakota Intertek, Corp., 14000 Leetsbir Road, Sturtevant, WI 53177

Document Number

GROUNDWATER USE RESTRICTION

RECORDED

2002 FEB 27 PM 2:46

MARK A. LAGO  
REGISTER OF DEEDS**Declaration of Restrictions**

Legal Description of the Property: In Re:

All that certain piece or parcel of land situated and being in the City of Racine, County of Racine and State of Wisconsin, known and described as Part of the Southeast quarter of Section number five (5) in Township number three (3) North, of Range number twenty-three (23) East, bounded as follows, viz: Begin in the center of the Rapids Road, six hundred and twenty three and four tenths (623.4) feet West of the East line of said quarter section; thence North parallel with the east line of said quarter section to a point seven hundred and fifty nine (759) feet south of the North line of said quarter section; thence East to the west line of the right of way of the Chicago and Northwestern Railway Company; thence South along the west line of said right of way to a point six hundred two and fifty eight one hundredths (602.58) feet west of the east line of said quarter section; thence south parallel with said east line of said quarter section to a point nine hundred thirty eight and fifty two one hundredths (938.52) feet South of the North line of said of quarter section; thence east to the west line of said right of way; thence Southerly along said right of way to the center of the Rapids Road; thence Northwesterly along the center of the Rapids Road to beginning.

Recording Area

**Name and Return Address:**

Paul Minasian  
Minasian Oil Company  
1414 Rapids Drive  
Racine, WI 53404

276000021095000

Parcel Identification Number (PIN)

ALSO the following described property conveyed by Quit Claim Deed dated July 19, 1954, wherein John H. Campbell and Emma H. Campbell, his wife, are parties of the first part and Mid-Continent Petroleum Corporation is party of the second part: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, City of Racine, Racine County, Wisconsin, bounded as follows: Begin at a point on the Northerly line of Rapids Drive Located South 64° 3' East 252.25 feet from the East line of Forest Street, run thence North 0° 1' 10" East 254.56 feet; thence North 89° 37' 20" East 81.32 feet to the westerly line of Chicago Northwestern Railway right of way; thence South 10° 35' East 18.66 feet on the Westerly line of said right of way to the point of curvature of a curve to the right whose radius is 5829.5 feet and whose chord bears South 9° 2' 50" East; thence Southeasterly 305.80 feet on said curve and the westerly line of said right of way 305.80 feet to the northerly line of Rapids Drive; thence North 64° 3' West 147.67 feet on the Northerly line of Rapids Drive to the point of beginning.

EXCEPTING from the above described property, a tract conveyed by Quit Claim Deed dated July 19, 1954, wherein Mid-Continent Petroleum Corporation, a Delaware Corporation, party of the first part and John H. Campbell and Emma H. Campbell, his wife, are parties of the second part: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, bounded as follows: Begin in the center of the Rapids Road at a point where the center line of Rapids Road intersects the center line of Forest Street; thence North along the center line of Forest Street to the intersection of the center line of Yout Street; thence East along the center line of Yout Street to the right of way of the Chicago and Northwestern Railway; thence Southerly along the West line of the right of way of the Chicago and Northwestern Railway to the center line of Rapids Road; thence Westerly along the center line of the Rapids Road to the place of beginning; EXCEPTING, however, the following described land: Begin at a point on the Northerly line of Rapids Drive located South 64° 3' East 252.25 feet from the East line of Forest Street, run thence North 0° 1' 10" East 254.56 feet; thence North 89° 37' 20" East 81.32 feet to the Westerly line of the Chicago Northwestern Railway right of way; thence South 10° 33'

East 18.66 feet on the westerly line of said right of way to the point of curvature of a curve to the right whose radius is 5829.5 feet and whose chord bears South 9° 2' 50" East; thence Southeasterly 305.80 feet on said curve and the Westerly line of said right of way 305.80 feet to the northerly line of Rapids Drive; thence North 64° 3' West 147.67 feet on the northerly line of Rapids Drive to the point of beginning.

STATE OF WISCONSIN    )  
                                   )        ss  
 COUNTY OF RACINE     )

WHEREAS, Paul F. Minasian is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Benzene contaminated groundwater above ch. NR 140, Wis. Adm. Code, enforcement standards existed on this property at monitoring wells MW-1R and MW-4 on April 23, 1999, at a concentration of 16 microgram per liter (ug/l) and 14 ug/l respectively, as depicted on the attached Figure 1. In addition, approximately 6,550 yds<sup>3</sup> of DRO, GRO and benzene impacted soil remains in-place at the property within the limits depicted on the attached Figure 1.

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

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140 groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

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

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

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

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

IN WITNESS WHEREOF, the owners of the property have executed this Declaration of Restrictions, this 28th day of April, 2000

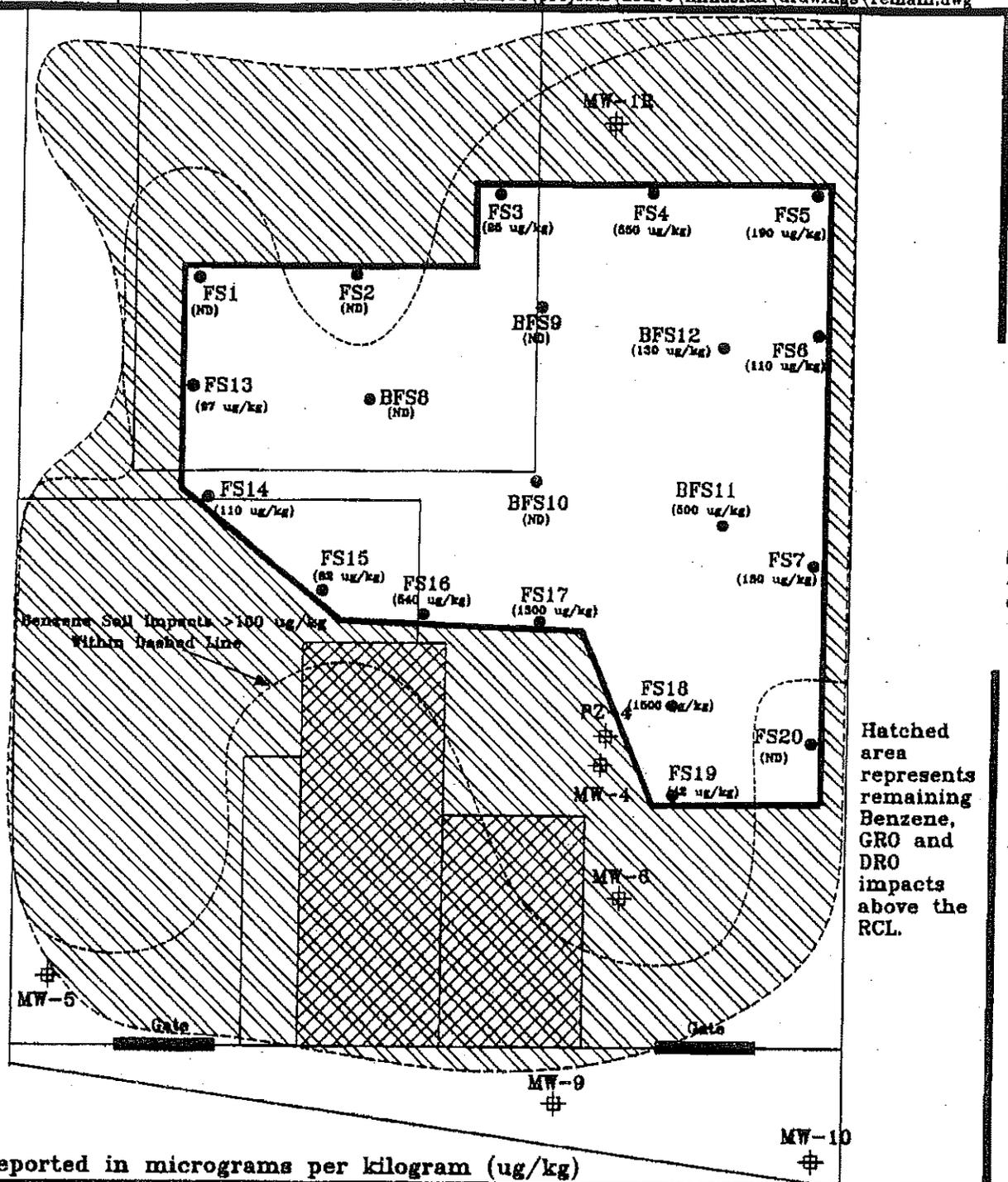
Signature: *Paul Minasian*

Printed Name: PAGE MINASIAN

Subscribed and sworn to before me  
this 28 day of April, 2000

*Trise James*  
Notary Public, State of ~~WI~~ Wisconsin  
My commission 3/9/03

This document was drafted by Environmental Innovations, Inc., based on the comments from the Wisconsin Department of Natural Resources.

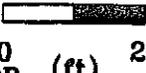


VOL 3380  
PAGE 245

Hatched area represents remaining Benzene, GRO and DRO impacts above the RCL.

Results reported in micrograms per kilogram (ug/kg)

**LEGEND**

-  Buildings
-  Soil Sample Location
-  Monitoring Well Location
- Benzene Concentration 

LIMITS OF EXCAVATION AND REMAINING SOIL IMPACTS

Environmental Innovations

Minasian Oil Site  
1414 Rapids Drive  
Racine, Wisconsin

TWP Figure 1

Document Number

SOIL DEED RESTRICTION

RECORDED \_\_\_\_\_

2002 FEB 27 PM 2:47

MARK A. LADD  
REGISTER OF DEEDS**Declaration of Restrictions**

Legal Description of the Property: In Re:

All that certain piece or parcel of land situated and being in the City of Racine, County of Racine and State of Wisconsin, known and described as Part of the Southeast quarter of Section number five (5) in Township number three (3) North, of Range number twenty-three (23) East, bounded as follows, viz: Begin in the center of the Rapids Road, six hundred and twenty three and four tenths (623.4) feet West of the East line of said quarter section; thence North parallel with the east line of said quarter section to a point seven hundred and fifty nine (759) feet south of the North line of said quarter section; thence East to the west line of the right of way of the Chicago and Northwestern Railway Company; thence South along the west line of said right of way to a point six hundred two and fifty eight one hundredths (602.58) feet west of the east line of said quarter section; thence south parallel with said east line of said quarter section to a point nine hundred thirty eight and fifty two one hundredths (938.52) feet South of the North line of said of quarter section; thence east to the west line of said right of way; thence Southerly along said right of way to the center of the Rapids Road; thence Northwesterly along the center of the Rapids Road to beginning.

**Recording Area****Name and Return Address:**

Paul Minasian  
Minasian Oil Company  
1414 Rapids Drive  
Racine, WI 53404

276000021095000

Parcel Identification Number (PIN)

ALSO the following described property conveyed by Quit Claim Deed dated July 19, 1954, wherein John H. Campbell and Emma H. Campbell, his wife, are parties of the first part and Mid-Continent Petroleum Corporation is party of the second part: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, City of Racine, Racine County, Wisconsin, bounded as follows: Begin at a point on the Northerly line of Rapids Drive Located South 64° 3' East 252.25 feet from the East line of Forest Street, run thence North 0° 1' 10" East 254.56 feet; thence North 89° 37' 20" East 81.32 feet to the westerly line of Chicago Northwestern Railway right of way; thence South 10° 35' East 18.66 feet on the Westerly line of said right of way to the point of curvature of a curve to the right whose radius is 5829.5 feet and whose chord bears South 9° 2' 50" East; thence Southeasterly 305.80 feet on said curve and the westerly line of said right of way 305.80 feet to the northerly line of Rapids Drive; thence North 64° 3' West 147.67 feet on the Northerly line of Rapids Drive to the point of beginning.

EXCEPTING from the above described property, a tract conveyed by Quit Claim Deed dated July 19, 1954, wherein Mid-Continent Petroleum Corporation, a Delaware Corporation, party of the first part and John H. Campbell and Emma H. Campbell, his wife, are parties of the second part: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, bounded as follows: Begin in the center of the Rapids Road at a point where the center line of Rapids Road intersects the center line of Forest Street; thence North along the center line of Forest Street to the intersection of the center line of Yout Street; thence East along the center line of Yout Street to the right of way of the Chicago and Northwestern Railway; thence Southerly along the West line of the right of way of the Chicago and Northwestern Railway to the center line of Rapids Road; thence Westerly along the center line of the Rapids Road to the place of beginning; EXCEPTING, however, the following described land: Begin at a point on the Northerly line of Rapids Drive located South 64° 3' East 252.25 feet from the East line of Forest Street, run thence North 0° 1' 10" East 254.56 feet; thence North 89° 37' 20" East 81.32 feet to the Westerly line of the Chicago Northwestern Railway right of way; thence South 10° 33' East 18.66 feet on the westerly line of said right of way to the point of curvature of a curve to the right whose

radius is 5829.5 feet and whose chord bears South 9° 2' 50" East; thence Southeasterly 305.80 feet on said curve and the Westerly line of said right of way 305.80 feet to the northerly line of Rapids Drive; thence North 64° 3' West 147.67 feet on the northerly line of Rapids Drive to the point of beginning.

STATE OF WISCONSIN )  
 )  
 ) ss  
COUNTY OF RACINE )

WHEREAS, Paul F. Minasian is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Approximately 6,550 yds<sup>3</sup> of Diesel Range Organics (DRO), Gasoline Range Organics (GRO) and benzene impacted soil remains in-place at the property within the limits depicted on the attached Figure 1, which is hereby made a part of this restriction.

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

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

Structural impediments existing at the time of clean-up including the building on-site and street right-of-way boundaries, made complete remediation of the soil contamination on this property impracticable. If the structural impediments on this property that are described above are removed, the property owner shall conduct an investigation of the degree and extent of soil petroleum contamination. To the extent that contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly remediated in accordance with applicable statutes and rules. If the currently inaccessible contaminated soil that remains on the property is excavated in the future, it will have to be sampled and analyzed and the treatment or disposal of the soil as a solid or hazardous waste may be necessary.

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

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

IN WITNESS WHEREOF, the owners of the property have executed this Declaration of Restrictions, this  
28th day of April, 2000

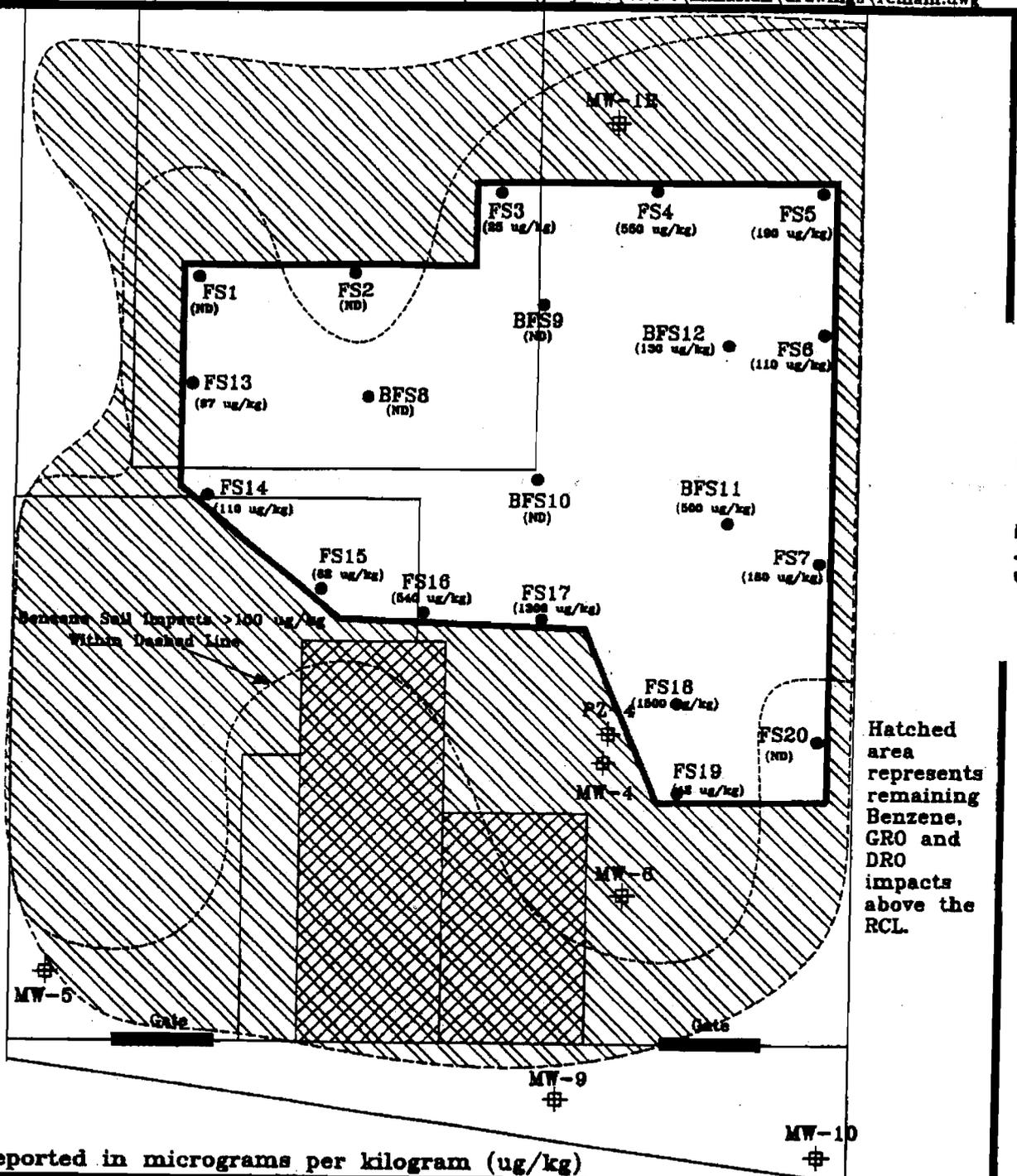
Signature: Paul Minasian

Printed Name: PAUL MINASIAN

Subscribed and sworn to before me  
this 28 day of April, 2000

Aerese James  
Notary Public, State of Wisconsin  
My commission 3/9/03

This document was drafted by Environmental Innovations, Inc., based on the comments from the Wisconsin Department of Natural Resources.



Hatched area represents remaining Benzene, GRO and DRO impacts above the RCL.

Results reported in micrograms per kilogram (ug/kg)

**LEGEND**



Buildings



Soil Sample Location

(ug/kg)

Benzene Concentration



Monitoring Well Location (ft)

0 20'

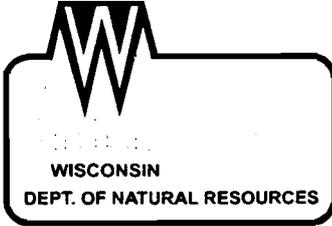
**LIMITS OF EXCAVATION AND REMAINING SOIL IMPACTS**

Minasian Oil Site  
1414 Rapids Drive  
Racine, Wisconsin

Environmental Innovations

TWP

Figure 1



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region  
Sturtevant Service Center  
9531 Rayne Road  
Sturtevant, Wisconsin 53177  
Telephone 414-884-2300  
FAX 414-884-2307  
TDD 414-884-2304

August 26, 1999,

Mr. Paul Minasian  
1414 Rapids Drive  
Racine, WI. 53404

Subject: Closure Review of Former Minasian Oil Co., 1414 Rapids Drive, Racine, WI.  
FID# 252112960, BRRTS# 03-52-005108

Dear Mr. Minasian:

I have reviewed your case file based on the documents submitted by Environmental Innovations (EI). During a meeting on August 24, 1999, the Department staff agreed with EIs recommendation to grant a case "closure" conditional upon the following:

1. Placement of a groundwater use restriction and a soil deed restriction on the title of the property, and submittal of documentation, within 30 days after receipt of this letter, that the restrictions have been placed on the title of the deed. Please submit draft copies of these deeds to the department for approval. Once WDNR approval is made the deeds can then be notarized and a final copy should be sent to our office. Two draft deed documents are enclosed to assist you.
2. Abandonment of the groundwater monitoring wells and piezometer at the site in accordance with NR 141 and submittal of the abandonment forms to the WDNR – Sturtevant Service Center.
3. Before this site can be closed, one additional sample of the "blue/pink" soil encountered during the excavation activities, needs to be analyzed for metals, volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs) and cyanide. This "spill" of unknown material was not investigated during the remediation activities. The investigation of this material will not be covered under the PECFA program. Upon receipt of the above required data, the underground storage tanks (USTs) will be closed, and a separate environmental repair may be opened, depending on the results of the additional sampling.

The site currently exceeds an Enforcement Standard (ES) for benzene in MW-1R and MW-4. This case may be reopened pursuant to s. NR726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare of the environment.

The groundwater use restriction placed on the property deed at the county register of deeds office must specify the legal description of the property, the location, type and concentration of the contaminants and includes the following language:

"Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 is restricted by chs. NR 811 and 812. Special well construction standards or water treatment requirements, or both, or well

construction prohibitions may apply. Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property."

In addition, EI has estimated approximately 9200 cubic yards of residual soil contamination remains on site. Please note that if any of the remaining contaminated soil is ever excavated, the soil must be properly handled according to all applicable laws in effect at that time.

Within sixty days from the date of this letter, all of the monitoring wells (MW's 1R, 2, 4, 5, 6, 7, 8, 9, 10, and PZ-4) located at the property must be abandoned in accordance with NR 141. Once the department receives the listed items above; this case will be tracked as closed on the departments tracking system.

Thank you for the steps you are taking to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 884-2341.

Sincerely,



Jennie Pelczar

Hydrogeologist – Remediation & Redevelopment Section

C: Mr. Tom Pederson – Environmental Innovations

SER - File

Exhibit "A"

Parcel I: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, bounded as follows: Begin at a point on the South line of Yout Street located East 160.00 feet from the East line of North Memorial Drive; run thence East 113.90 feet on the South line of Yout Street to the Westerly line of the Chicago and Northwestern Railway right-of-way; thence South  $10^{\circ} 57' 00''$  East 183.10 feet on said right-of-way; thence West 147.28 feet; thence North  $00^{\circ} 23' 30''$  West 180.00 feet to the point of beginning.

Tax Statement: 21094-3

Parcel II: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, bounded as follows: Begin in the center of the Rapids Road, 623.4 feet West of the East line of said 1/4 Section; thence North parallel with the East line of said 1/4 Section to a point 759 feet South of the North line of said 1/4 Section; thence East to the West line of the right-of-way of the Chicago and Northwestern Railway Company; thence South along the West line of said right-of-way to a point 602.58 feet West of the East line of said 1/4 Section; thence South parallel with said East line of said 1/4 Section to a point 938.52 feet South of the North line of said 1/4 Section; thence East to the West line of said right-of-way; thence Southerly along said right-of-way to the center of the Rapids Road; thence Northwesterly along the center of the Rapids Road to beginning. Also the following described property conveyed by Quit Claim Deed dated July 19, 1954, wherein John H. Campbell and Emma H. Campbell, his wife are parties of the first part and Mid-Continent Petroleum Corporation is party of the second part: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, bounded as follows: Begin at a point on the Northerly line of Rapids Drive located South  $64^{\circ} 3'$  East 252.25 feet from the East line of N. Memorial Drive; run thence North  $0^{\circ} 1' 10''$  East 254.56 feet; thence North  $89^{\circ} 37' 20''$  East 81.32 feet to the Westerly line of Chicago, Northwestern Railway right-of-way; thence South  $10^{\circ} 35'$  East 18.66 feet on the Westerly line of said right-of-way to the point of curvature of a curve to the right whose radius is 5829.5 feet and whose chord bears South  $9^{\circ} 2' 50''$  East; thence Southeasterly 305.80 feet on said curve and the Westerly line of said right-of-way 305.80 feet to the Northerly line of Rapids Drive; thence North  $64^{\circ} 3'$  West 147.67 feet on the Northerly line of Rapids Drive to the point of beginning. Excepting from the above described property, a tract conveyed by Quit Claim Deed dated July 19, 1954, wherein Mid-Continent Petroleum Corporation, a Delaware Corporation, party of the first part, and John H. Campbell and Emma H. Campbell, his wife, are parties of the second part: That part of the Southeast 1/4 of Section 5, Township 3 North, Range 23 East, bounded as follows: Begin in the center of the Rapids Road at a point where the center line of the Rapids Road intersects the center line of N. Memorial Drive; thence North along the center line of N. Memorial Drive to the intersection of the center line of Yout Street; thence East along the center line of Yout Street to the right-of-way of the Chicago and Northwestern Railway; thence Southerly along the West line of the right-of-way of the Chicago and Northwestern Railway to the center line of Rapids Road; thence Westerly along the center line of the Rapids Road to the place of beginning; Excepting, however, the following described land: Begin at a point on the Northerly line of Rapids Drive located South  $64^{\circ} 3'$  East 252.25 feet from the East line of N. Memorial Drive; run thence North  $0^{\circ} 1' 10''$  East 254.56 feet; thence North  $89^{\circ} 37' 20''$  East 81.32 feet to the Westerly line of the Chicago

and Northwestern Railway right-of-way; thence South  $10^{\circ} 33'$  East 18.66 feet on the Westerly line of said right-of-way to the point of curvature of a curve to the right whose radius is 5829.5 feet and whose chord bears South  $9^{\circ} 2' 50''$  East; thence Southeasterly 305.80 feet on said curve and the Westerly line of said right-of-way 305.80 feet to the Northerly line of Rapids Drive; thence North  $64^{\circ} 3'$  West 147.67 feet on the Northerly line of Rapids Drive to the point of beginning.

Tax Statement: 21095

DOCUMENT #  
1747598

STATE BAR OF WISCONSIN FORM 3 - 1998  
QUIT CLAIM DEED

REGISTER'S OFFICE  
RACINE COUNTY, WI

Document Number

RECORDED

2000 OCT 31 AM 11:09

MARK A. LADD  
REGISTER OF DEEDS

VOL PAGE  
3085 533-534

This Deed, made between  
Helen O. Worden formerly Helen O. Minasian  
Grantor.  
and Paul F. Minasian  
Grantee.  
Grantor quit claims to Grantee the following described real estate in  
Racine County, State of Wisconsin:

Recording Area

Name and Return Address

Gerald Proost  
#560

Parcel No. 1: 21094-3

Parcel No. 2: 21095

Parcel Identification Number (PIN)

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

Tax Exempt 77.25

8M

See attached exhibit A

Together with all appurtenant rights, title and interests.

Dated this 30th day of September, 2000

Helen O. Worden (SEAL)

\* Helen O. Worden, formerly Helen O. Minasian

(SEAL)

AUTHENTICATION

Signature(s) Helen O. Worden, formerly

Helen O. Minasian

authenticated this 30th day of September, 2000

Gerald Proost

\* Gerald Proost

TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT WAS DRAFTED BY

Gerald Proost

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

ACKNOWLEDGMENT

State of Wisconsin,

ss.

County

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_ the above named

\_\_\_\_\_ to me known to be the person \_\_\_\_\_ who executed the foregoing instrument and acknowledge the same.

Notary Public, State of Wisconsin

My commission is permanent. (If not, state expiration date: \_\_\_\_\_)

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



***ENVIRONMENTAL INNOVATIONS, INC. (EI)***

Consulting, Remediation and Industrial Services  
14000 Leetsbir Road, Sturtevant, WI 53177 262-886-4800, FAX 262-886-4442

February 4, 2000

Harry Patterson  
Union Pacific Railroad  
1416 Dodge Street, Room 930  
Omaha, NE 68179  
Ph.# (402) 271-4078

*DNR copy*

RE: **Potential Subsurface Soil Staining at Union Pacific property**, adjacent and east of former Minazian Oil site, 1414 Rapids Drive, Racine, Wisconsin 53404

Dear Mr. Patterson:

Approximately 3500 tons of petroleum impacted soil was excavated from the Minazian Oil site noted above, in 1998. This soil was removed in conjunction with an above ground petroleum storage tank release. Due to the presence of "blue" and "pink" product staining on the east wall of the excavation (see attached photographs), a hand auger boring was later completed to verify that contaminants at that location were not migrating to the Union Pacific property. A sample of the stained soil was collected from the boring and analyzed for RCRA metals, cyanide, Polyaromatic Hydrocarbons (PAH) and Volatile Organic Compounds (VOCs).

None of the constituents analyzed were documented at concentrations above the Wisconsin Department of Natural Resources (WDNR) soil clean-up standards. Nonetheless, the WDNR has requested that Environmental Innovations, Inc., (EI) notify Union Pacific, that blue and/or pink stained soil may be present in the subsurface along the west edge of your property. However, at this time there is no indication of surface staining extending onto your property. Copies of the laboratory analytical results and site location/layout maps are attached.

The WDNR is not requiring any further investigation of this matter at this time, but asked that this information be forwarded to you. However, the WDNR has requested that your company return correspondence to EI, indicating whether Union Pacific Railroad would like EI to perform further investigation on your property to determine/characterize the potential presence of blue and/or pink stained soil at the site. If you have any questions regarding this correspondence, please do not hesitate to contact this office at (262) 886-4800. Thank you.

Sincerely,  
**Environmental Innovations, Inc.**

Thomas W. Pedersen, P.G.  
Technical Manager

enclosures

THIS INDENTURE, made as of the 8th day of November, 1974,  
by and between SUN OIL COMPANY OF PENNSYLVANIA, a Pennsylvania  
Corporation, Grantor, and PAUL F. MINASIAN and HELEN O. MINASIAN,  
husband and wife, P. O. Box 473, Racine, Wisconsin, Grantees.  
As Joint Tenants.

W I T N E S S E T H :

That the said Grantor, in consideration of the sum of  
Twenty-seven Thousand Seven Hundred and Fifty Dollars (\$27,750.00),  
to it in hand paid by the said Grantees, the receipt of which is  
hereby acknowledged, does hereby grant, bargain, sell, convey,  
confirm and warrant unto the said Grantees, their heirs and assigns,  
all of the following described real property and premises, lying  
and being in the County of Racine, State of Wisconsin, to wit:

All that certain piece or parcel of land situate  
and being in the City of Racine, County of Racine  
and State of Wisconsin, known and described as  
Part of the Southeast quarter of Section number  
Five (5) in Township number Three (3) North, of Range  
number Twenty-three (23), East, bounded as follows,  
viz: Begin in the center of the Rapids Road, six  
hundred and twenty-three and four tenths (623.4)  
feet West of the East line of said quarter section;  
thence North parallel with the east line of said  
quarter section to a point Seven Hundred Fifty-  
nine (759) feet south of the North line of said  
quarter section; thence East to the west line of  
the right of way of the Chicago and Northwestern  
Railway Company; thence South along the west line  
of said right of way to a point Six Hundred Two  
and Fifty-eight one-hundredths (602.58) feet west of  
the east line of said quarter section; thence south  
parallel with said east line of said quarter section  
to a point Nine hundred Thirty-eight and Fifty-two  
one hundredths (938.52) feet South of the North line  
of said quarter section; thence east to the west  
line of said right of way; thence Southerly along  
said right of way to the center of the Rapids Road;  
thence Northwesterly along the center of the Rapids  
Road to beginning.

2750

Also the following described property conveyed by  
First Clair Deed dated July 19, 1954, wherein John H.  
Campbell and Emma H. Campbell, his wife, are parties  
of the first part and Mid-Continent Petroleum Corp.  
is party of the second part.

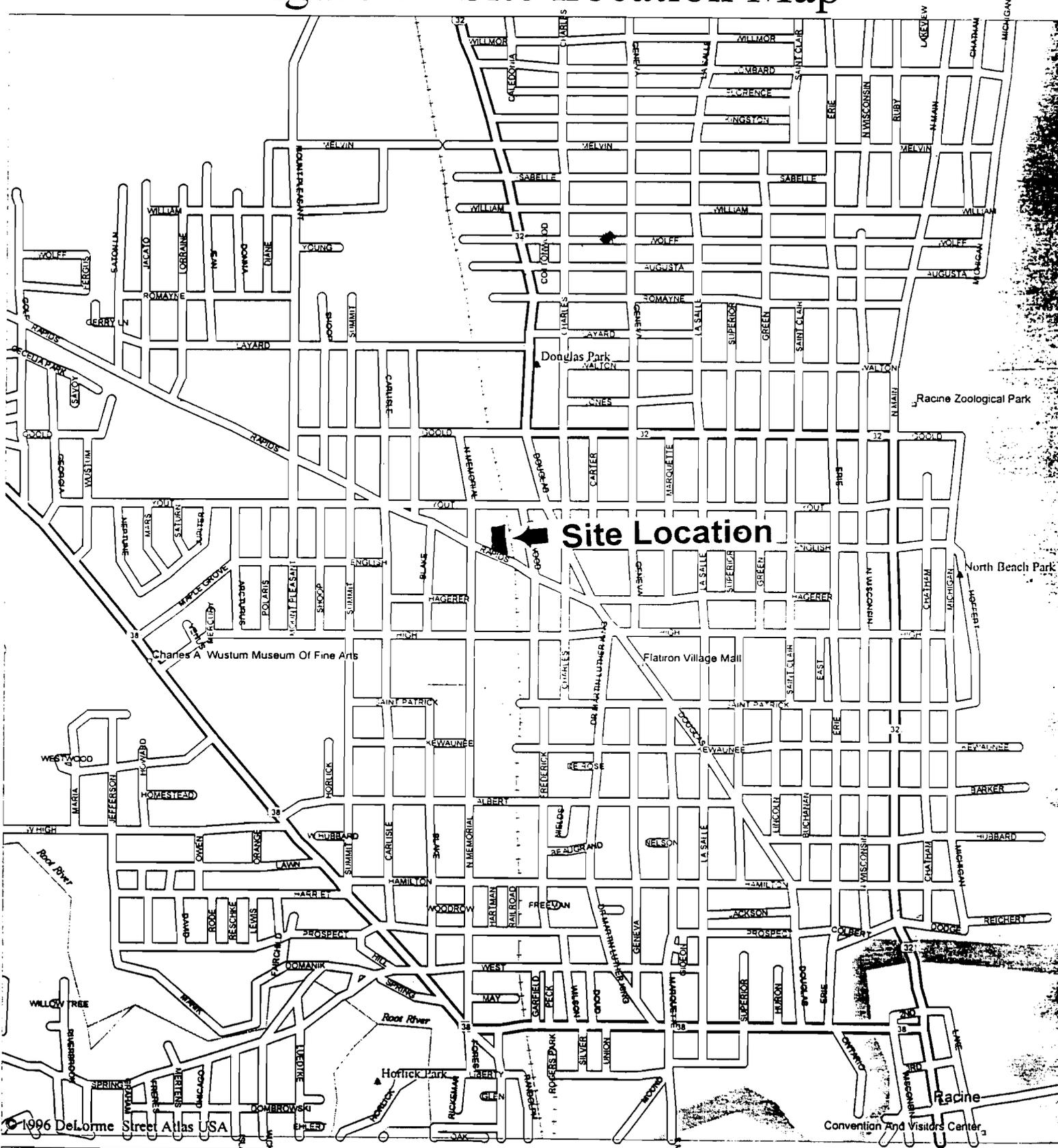
1250 230

the Northerly line of Rapids Drive located South  $64^{\circ} 3'$  East 252.25 feet from the East line of Forest Street, run thence North  $0^{\circ} 1' 10''$  East 254.56 feet; thence North  $89^{\circ} 37' 20''$  East 81.32 feet to the westerly line of Chicago Northwestern Railway right of way; thence South  $10^{\circ} 35'$  East 18.66 feet on the Westerly line of said right of way to the point of curvature of a curve to the right whose radius is 5829.5 feet and whose chord bears South  $9^{\circ} 2' 50''$  East; thence Southeasterly 305.80 feet on said curve and the westerly line of said right of way 305.80 feet to the northerly line of Rapids Drive; thence North  $64^{\circ} 3'$  West 147.67 feet on the Northerly line of Rapids Drive to the point of beginning.

EXCEPTING from the above described property, a tract conveyed by Quit Claim Deed dated July 19, 1954, wherein Mid-Continent Petroleum Corporation, a Delaware Corporation, party of the first part and John H. Campbell and Emma H. Campbell, his wife, are parties of the second part: That part of the Southeast  $\frac{1}{4}$  of Section 5, Township 3 North, Range 23 East, bounded as follows: Begin in the center of the Rapids Road at a point where the center line of the Rapids Road intersects the center line of Forest Street; thence North along the center line of Forest Street to the intersection of the center line of Yout Street; thence East along the center line of Yout Street to the right of way of the Chicago and Northwestern Railway; thence Southerly along the West line of the right of way of the Chicago and Northwestern Railway to the center line of Rapids Road; thence Westerly along the center line of the Rapids Road to the place of beginning; EXCEPTING, however, the following described land: Begin at a point on the Northerly line of Rapids Drive located South  $64^{\circ} 3'$  East 252.25 feet from the East line of Forest Street, run thence North  $0^{\circ} 1' 10''$  East 254.56 feet; thence North  $89^{\circ} 37' 20''$  East 81.32 feet to the Westerly line of the Chicago Northwestern Railway right of way; thence South  $10^{\circ} 33'$  East 18.66 feet on the westerly line of said right of way to the point of curvature of a curve to the right whose radius is 5829.5 feet and whose chord bears South  $9^{\circ} 2' 50''$  East; thence Southeasterly 305.80 feet on said curve and the westerly line of said right of way 305.80 feet to the northerly line of Rapids Drive; thence North  $64^{\circ} 3'$  West 147.67 feet on the northerly line of Rapids Drive to the point of beginning.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said County, this 19th day of July, 1954.

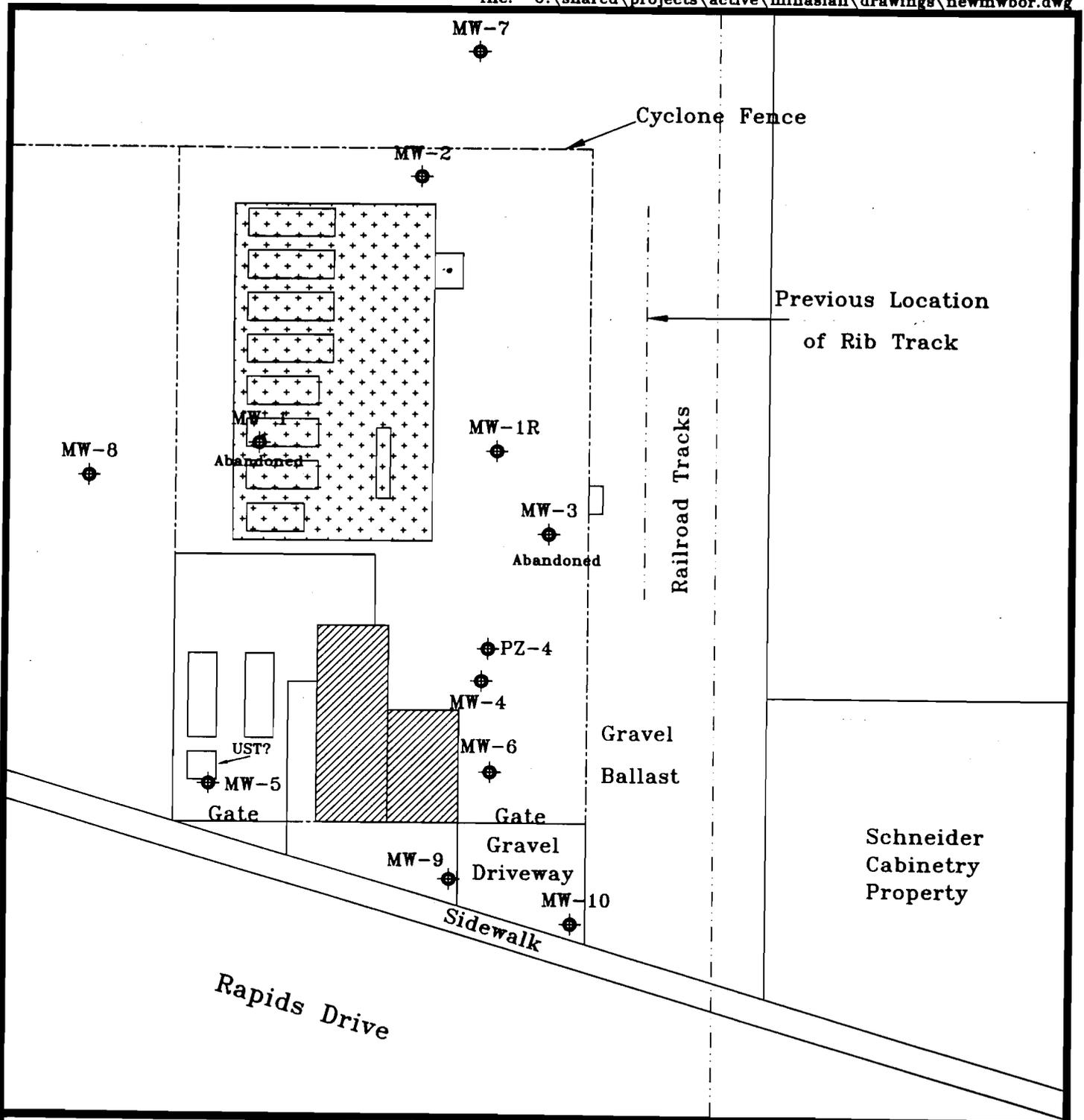
# Figure 1 - Site Location Map



© 1996 DeLorme Street Atlas USA  
 Mag 15.00  
 Tue Jun 09 09:49 1998

Scale 1:15,625 (at center)  
 1000 Feet  
 500 Meters

-  Secondary SR/Road/Hwy Ramp
-  State Route
-  Trail
-  Railroad



**LEGEND**



Buildings



AST Area



Monitoring Well



0 (ft) 40

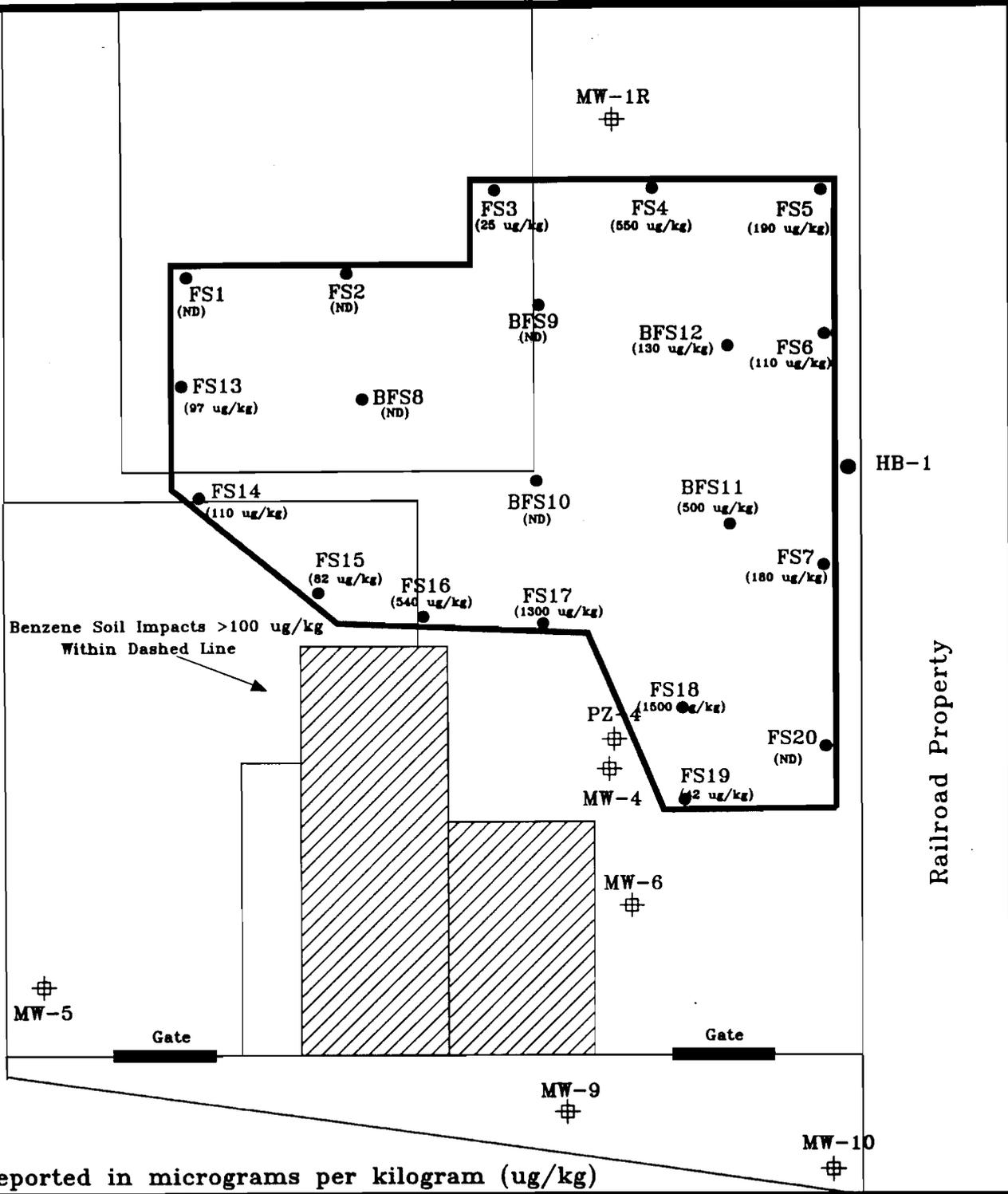


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**SITE LAYOUT MAP**

Minasian Oil Site  
1414 Rapids Drive  
Racine, Wisconsin

Environmental Innovations



Results reported in micrograms per kilogram (ug/kg)

**LEGEND**



Buildings



Soil Sample Location

(48 ug/kg)

Benzene Concentration

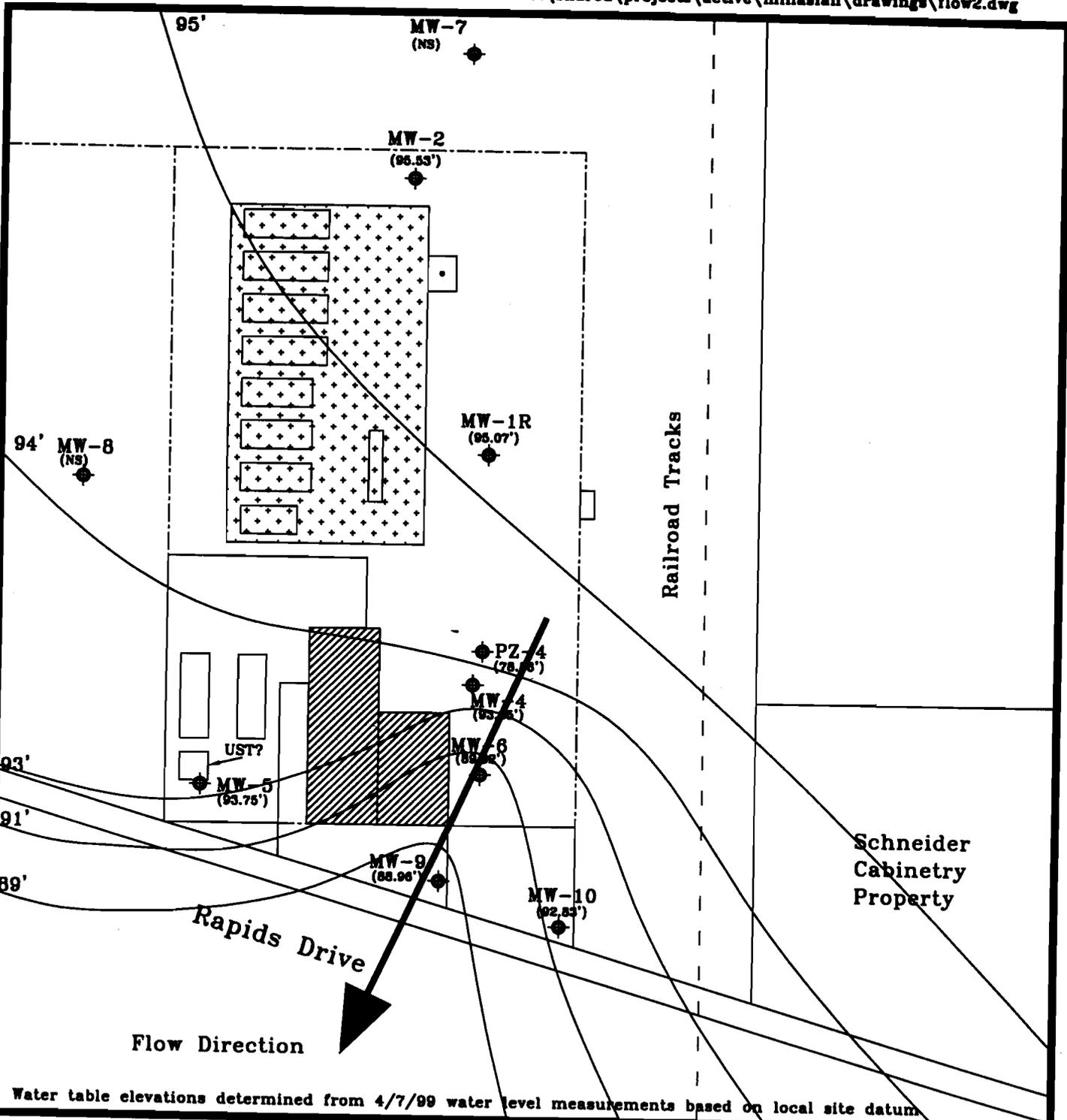


Monitoring Well Location (ft)

**LIMITS OF EXCAVATION AND**

Minasian Oil Site  
1414 Rapids Drive  
Racine, Wisconsin

Environmental Innovations



Water table elevations determined from 4/7/99 water level measurements based on local site datum.

**LEGEND**

-  Buildings
-  AST Area
-  Monitoring Well
-  Water Elevation in Well (ft)

0 (ft) 40

↑ N

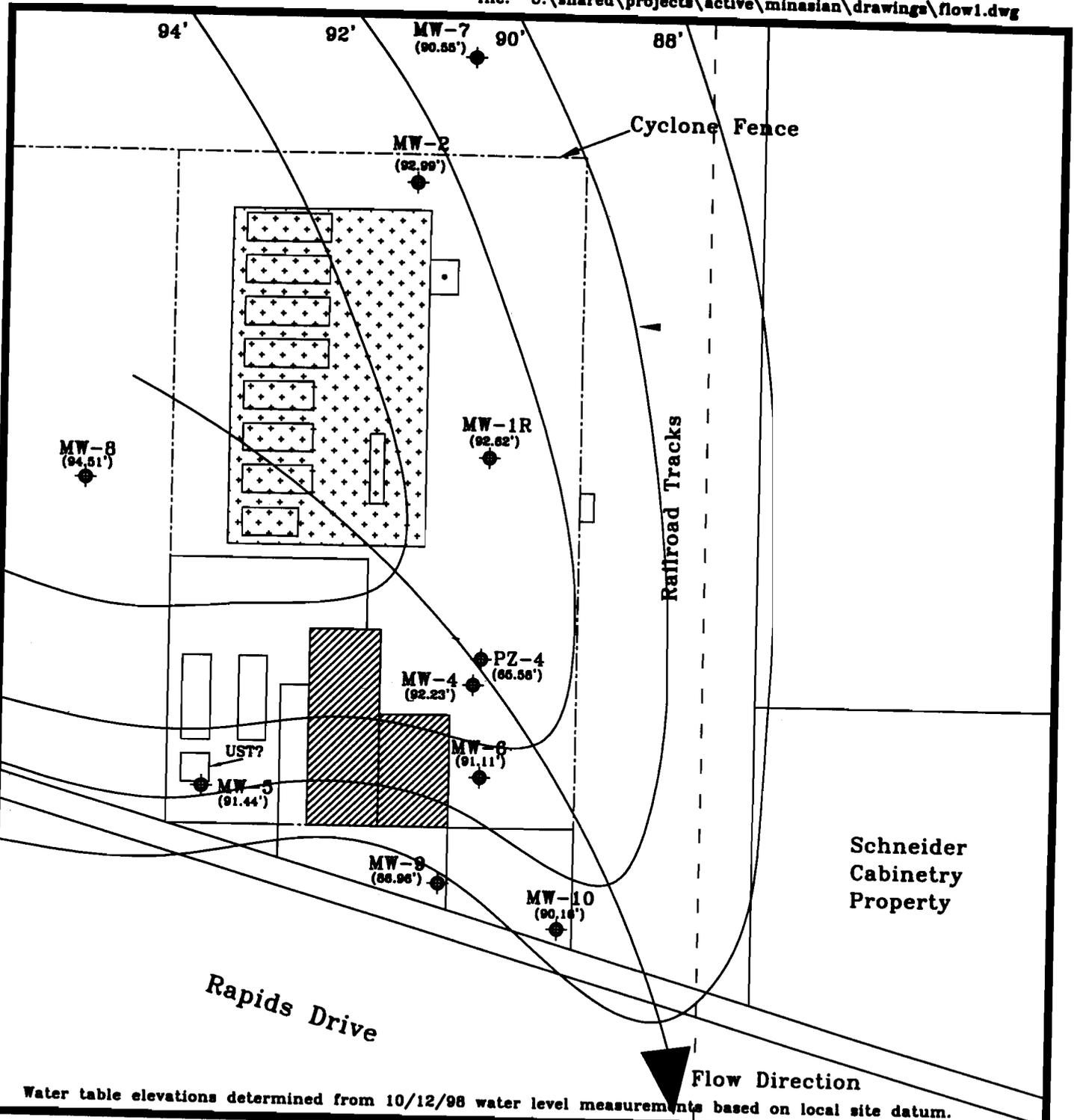
## GROUNDWATER CONTOUR MAP

Minasian Oil Site  
1414 Rapids Drive  
Racine, Wisconsin

Environmental Innovations

BPK

Figure 4



Water table elevations determined from 10/12/98 water level measurements based on local site datum.

**LEGEND**

-  Buildings
  -  AST Area
  -  Monitoring Well
  -  Water elevation in Well (94.51')
-  0 (ft) 40
-  ↑ N

**GROUNDWATER CONTOUR MAP**

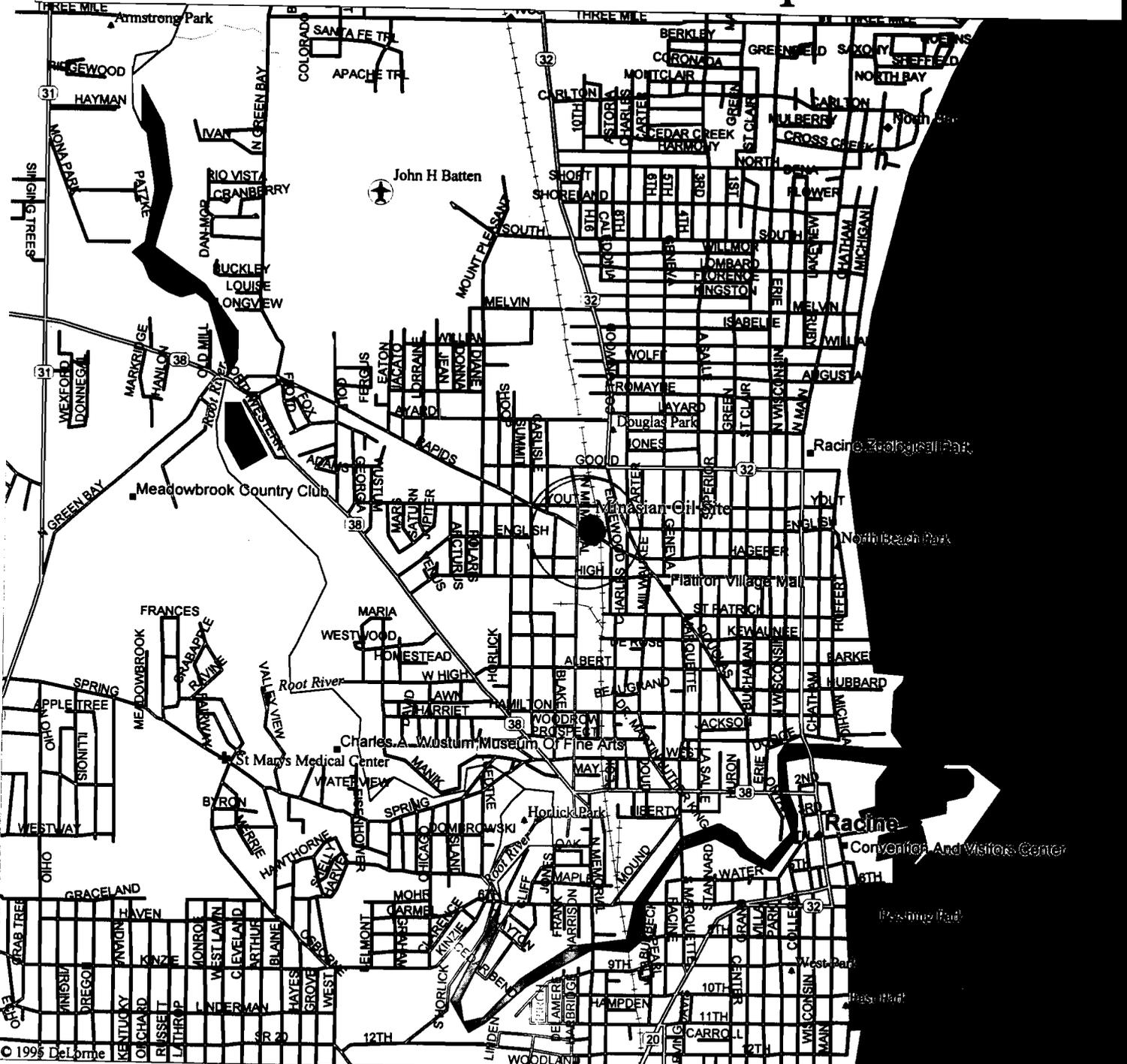
Minasian Oil Site  
1414 Rapids Drive  
Racine, Wisconsin

Environmental Innovations

BPK

Figure 5

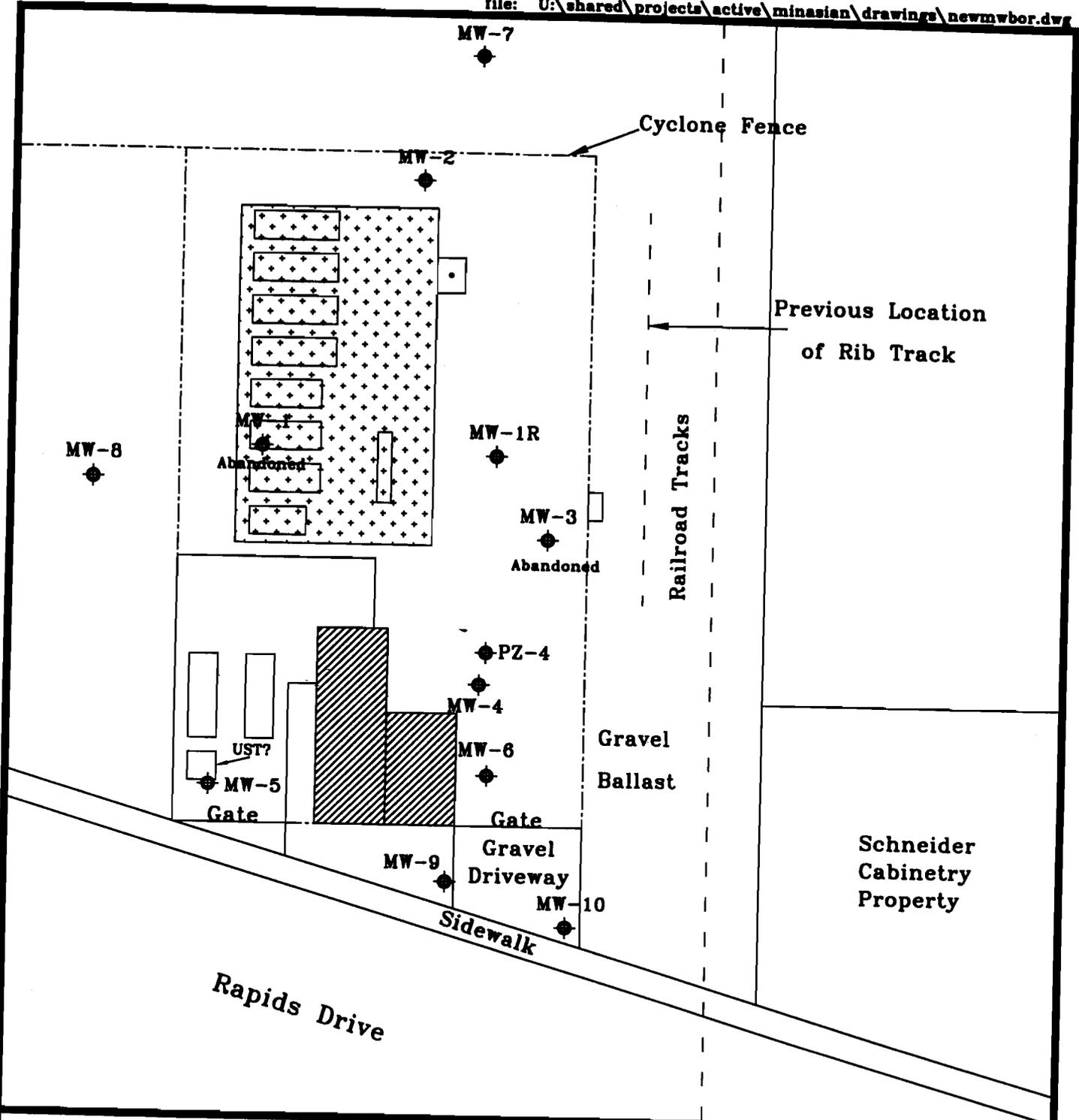
# Minasian Oil Site, 1414 Rapids Drive



Mag 14.00  
 Wed May 19 10:04 1999  
 Scale 1:31,250 (at center)  
 2000 Feet  
 1000 Meters

- Trail
- Secondary SR, Road, Hwy Ramp
- State Route
- Primary State Route
- Railroad
- Point of Interest
- Large City
- Hospital
- Park or Reservation
- Locale
- Public Airport
- Population Center
- Lake, Ocean, Large River
- City Park
- River, Canal
- Intermittent River

Figure 1



### LEGEND



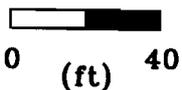
Buildings



AST Area



Monitoring Well

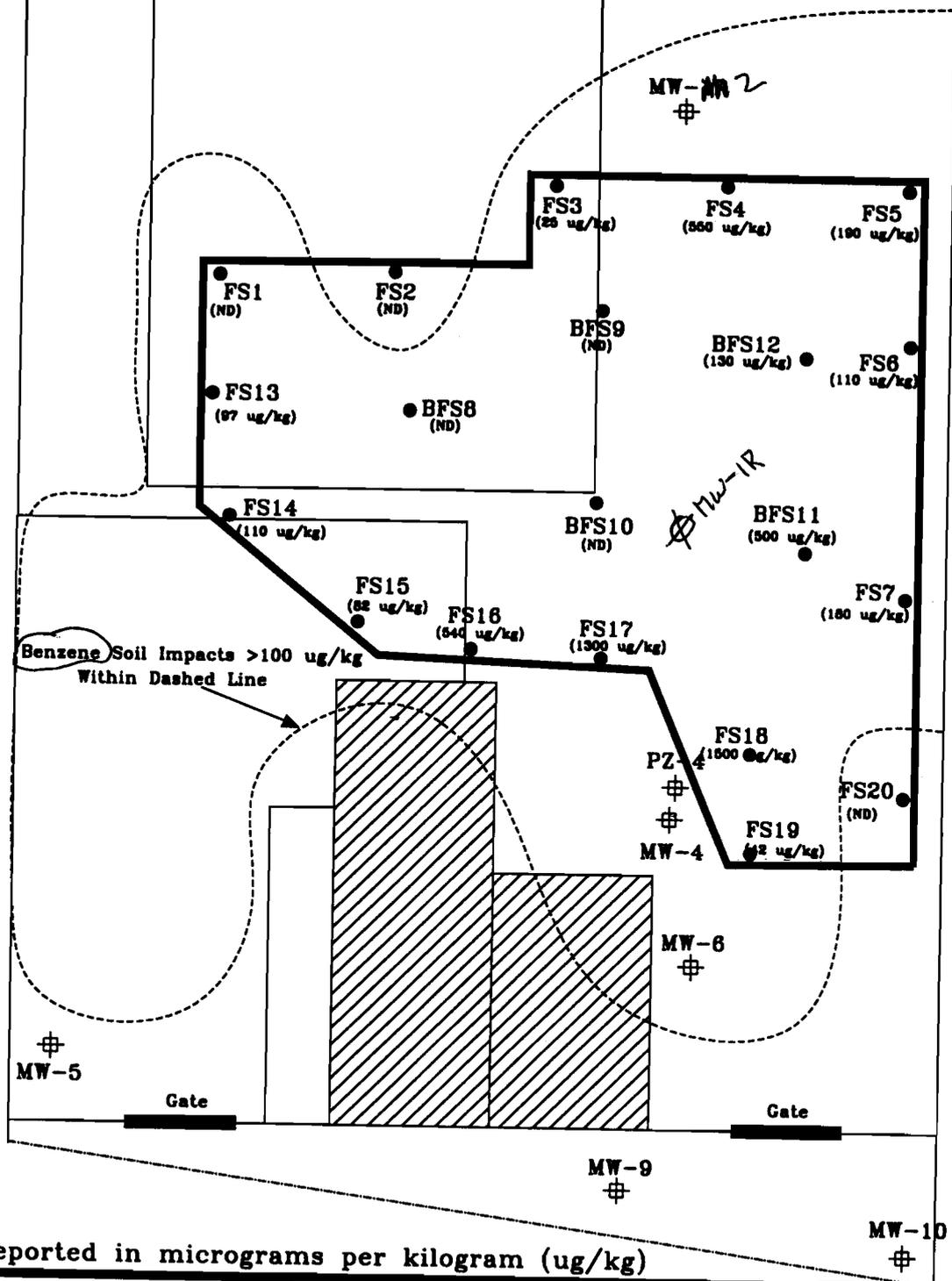


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### SITE LAYOUT MAP

Minasian Oil Site  
 1414 Rapids Drive  
 Racine, Wisconsin

Environmental Innovations



Results reported in micrograms per kilogram (ug/kg)

**LEGEND**

-  Buildings
-  Soil Sample Location
-  Benzene Concentration
-  Monitoring Well Location (ft) 0 20'

**LIMITS OF EXCAVATION AND PRE-EXCAVATION SOIL IMPACTS**

Minasian Oil Site  
1414 Rapids Drive  
Racine, Wisconsin

Environmental Innovations

**TABLE 7**  
**Natural Attenuation Parameters**

Minasian Oil Site  
1414 Rapids Drive  
Racine, WI

Well No.	MW-1R			MW-2	MW-4			PZ-4		MW-5			MW-6			MW-7		MW-9			MW-10			
	10/12/98	1/18/99	4/7/98	4/7/99	10/12/98	1/18/99	4/7/98	10/12/98	1/18/99	4/7/98	10/12/98	1/18/99	4/7/98	10/12/98	1/18/99	4/7/98	10/12/98	1/18/99	4/7/98	10/12/98	1/18/99	4/7/98		
Depth To Water (ft.)	6.70	4.25	4.10	7.91	9.92	8.63	8.30	32.88	23.92	19.60	6.56	8.15	4.25	7.54	8.73	6.78	12.70	8.87	12.26	10.26	5.65	9.52	6.85	6.56
pH	7.06	7.21	7.51	7.90	6.89	7.04	7.84	7.54	7.14	8.62	6.70	7.12	8.04	7.03	6.91	8.04	7.03	6.98	6.52	7.00	7.96	6.90	7.15	8.06
D. Oxygen (mg/l)	1.95	0.85	0.19	0.30	0.32	1.02	0.37	3.34	3.56	1.72	0.20	2.70	0.55	2.45	2.17	0.89	0.43	1.08	0.68	2.90	0.47	2.14	2.20	0.74
Temperature °F	59	53	47	46	63	50	52	50	49	55	63	55	48	63	53	55	53	52	63	55	52	59	54	52
Alkal. (mg/l CaCO <sub>3</sub> )	444	550	270	320	590	500	242	NT	76	190	NT	421	302	472	567	227	452	502	NT	595	601	NT	539	533
Conductivity (uS)	1300	1200	910	796	1300	1100	1140	1000	1000	1030	1300	1100	1240	1300	1300	1095	1500	1500	1700	1500	1313	1200	1200	1090
Sulfate SO <sub>4</sub> <sup>2-</sup> (mg/l)	248	92	424	>1000	2	25	360	NT	484	400	NT	112	76	154	112	124	608	432	NT	124	56	NT	236	192
Iron (Fe <sup>2+</sup> ) (mg/l)	0.11	0.22	1.94	0.54	1.01	0.34	2.53	NT	0.05	0.12	NT	0.36	0.15	0.00	0.21	1.49	0.03	0.08	NT	0.35	0.86	NT	0.21	0.90
ORP (mVolts)	165	280	-50	5	-35	155	-95	120	285	35	190	190	5	140	270	-45	180	255	190	200	-95	190	235	-30
Ntrate NO <sub>3</sub> - (ug/l)	110	ND	ND	<40	92	ND	100	NT	56	900	NT	ND	<40	1000	330	<40	43	ND	NT	ND	<40	NT	110	60
Methane (ug/l)	19	180	1100	3.3	80	18	330	NT	12	1.6	NT	0.85	2.8	1.1	ND	2.6	0.96	3.00	NT	2	20	NT	ND	2.6
Tot. Org. Carbon (ug/l)	15000	54000	68000	25000	36000	35000	23000	NT	8000	4200	NT	20000	7700	34000	43000	39000	31000	38000	NT	52000	49000	NT	22000	3700

Notes:  
ND - Not Detected above the MDL  
NT - Not Tested

# TABLE 3

## Soil Boring Analytical Results (Post Excavation Borings)

Minasian Oil Site  
1414 Rapids Drive  
Racine, WI

Compound	WDNR Clean-up Standard	MW-1R	PZ-4	MW-6	MW-10
		4-6'	5-7'	9-11'	9.5-11'
		10/2/98	10/2/98	10/2/98	10/2/98
GRO (mg/kg)	100	<b>1100</b>	23	ND	ND
DRO (mg/kg)	100	<b>3000</b>	<b>3200</b>	ND	ND
c-1,2-Dichloroethene	NS	ND	ND	ND	ND
Benzene	5.5	ND	ND	ND	ND
Toluene	1500	ND	17	ND	ND
Ethylbenzene	2900	ND	ND	ND	ND
1,2-Dichlorobenzene	NS	380	ND	ND	ND
1,4-Dichlorobenzene	NS	ND	ND	ND	ND
Xylene, Total	4100	1000	130	ND	ND
Isopropylbenzene	NS	450	100	ND	ND
Methyl Tertiary Butyl Ether (MTBE)	NS	ND	ND	ND	ND
n-Propylbenzene	NS	ND	ND	ND	ND
1,3,5 Trimethyl Benzene	NS	2000	330	ND	ND
t-Butylbenzene	NS	ND	ND	ND	ND
1,2,4 Trimethyl Benzene	NS	1800	150	ND	ND
sec-Butylbenzene	NS	1300	340	ND	ND
p-Isopropyltoluene	NS	ND	ND	ND	ND
n-Butylbenzene	NS	4200	570	ND	ND
Naphthalene	NS	ND	ND	ND	ND
Di-isopropyl Ether	NS	ND	ND	ND	ND
Total, Organic Carbon (mg/kg)	NS	17000	58000	48000	56000

Notes

\$!%#\*

%\*#x

**NOTES:**

NS - No Standard

ND - Not Detected above the MDL

Analytical Results are Reported in micrograms per kilogram (ug/kg) unless stated otherwise.

Bolded Values Exceed the WDNR Soil Clean up Standards

\$ - Elevated detection limits for SW 8021 due to sample concentration

! - Other lighter hydrocarbons present before the DRO window

% - The DRO GC chromatogram does not match the diesel standard pattern

# - Other lighter hydrocarbons present before the GRO window

\* - Other heavier hydrocarbons present after the GRO window

x - Significant baseline rise in DRO sample chromatogram

**TABLE 4**  
**Groundwater Table Elevations**  
**Minasian Oil Site**  
**1414 Rapids Drive**  
**Racine, WI**

Well Number	Top of Casing (ft)	Depth to Water			Water Table Elevation		
		10/12/98	1/18/99	4/7/99	10/12/98	1/18/99	4/7/99
MW-1R	99.32	6.70	6.70	4.25	92.62	92.62	95.07
MW-2	103.44	10.45	NT	7.91	92.99	NT	95.53
MW-4	102.15	9.92	17.43	8.30	92.23	84.72	93.85
PZ-4	98.46	32.88	23.92	19.60	65.58	74.54	78.86
MW-5	98.00	6.56	8.15	4.25	91.44	89.85	93.75
MW-6	98.65	7.54	8.73	8.73	91.11	89.92	89.92
MW-7	103.65	12.70	8.87	NT	90.95	94.78	NT
MW-8	98.61	4.10	NT	NT	94.51	NT	NT
MW-9	99.22	12.26	15.15	10.26	86.96	84.07	88.96
MW-10	99.68	9.52	6.85	6.85	90.16	92.83	92.83

Environmental Innovations, Inc.  
 By: BPK  
 Checked By: LD

5/18/99  
 MINGW2.XLS  
 Sheet 3

**TABLE 5**  
**Groundwater Analytical Results**  
**Minasian Oil Site**  
**1414 Rapids Drive**  
**Racine, WI**

Compound	Eaf. Std.	PAL	MW-1				MW-2		MW-3	MW-4				PZ-4		
			12/4/96	10/13/98	1/11/99	4/23/99	12/4/96	4/23/99		12/4/96	10/13/98	1/11/99	4/23/99	10/13/98	1/11/99	4/23/99
DRO (ug/l)	0	0	1000	1200	1700	3560	1000	897	6200	9400	4500	3000	1830	540	78	84
GRO (ug/l)	0	0	ND	45	49	240	ND	ND	4700	1800	70	140	30	ND	35	ND
Lead (ug/l)	15	1.5	NT	ND	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	NT	NT
1,2,4 Trimethylbenzene	NS	NS	ND	ND	ND	33	ND	ND	ND	ND	ND	1.2	ND	ND	1.2	ND
1,2-Dichloroethane	5	0.5	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
1,3,5 Trimethylbenzene	NS	NS	ND	ND	0.58	23	ND	ND	ND	ND	ND	1.2	ND	ND	1	ND
1,3-Dichlorobenzene	1250	125	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
Benzene	5	0.5	28	ND	2.9	16	ND	ND	1300	45	1.7	5.9	14	ND	0.38	ND
Chloromethane	NS	NS	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
cis-1,2-Dichloroethene	70	7	ND	ND	NT	NT	4.9	NT	ND	ND	ND	NT	NT	ND	NT	NT
Ethylbenzene	700	140	ND	0.43	ND	ND	ND	ND	90	ND	0.55	1.2	ND	ND	0.71	ND
Isopropylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
n-Butylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
n-Propylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
Naphthalene	40	8	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
Xylenes, Total	620	124	ND	1	ND	15	ND	ND	160	38	0.97	3.52	ND	ND	2.45	ND
Methyl tert-butyl ether	60	12	ND	ND	ND	ND	ND	ND	ND	ND	1.7	3	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	ND	ND	NT	NT	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT
sec-Butylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	ND	ND	1.2	NT	NT	ND	NT	NT
tert-Butylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	39	ND	ND	NT	NT	ND	NT	NT
Toluene	343	68.6	ND	ND	ND	ND	ND	ND	ND	180	ND	1.1	ND	ND	0.63	ND
Trichloroethene	5	0.5	ND	ND	NT	NT	4	NT	ND	ND	ND	NT	NT	ND	NT	NT
HPLC - PAHs	NS	NS	NT	ND	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	NT	NT
Notes			*	*			*		*<	*<	*			*		

**Notes**

NS - No Standard

ND - Not Detected above laboratory MDL.

NT - Not Tested

**Bolded values exceed WDNR NR140 Enforcement Standards**

\* DRO GC chromatogram does not match the diesel standard pattern.

# Other lighter hydrocarbons present before the GRO window.

\$ Other heavier hydrocarbons present after the GRO window.

! Other heavier hydrocarbons present after the DRO window.

% Other lighter hydrocarbons present before the DRO window.

^ SW 8021 quality control criteria not met.

~ Significant baseline rise in DRO sample chromatogram.

< Elevated Detection Limits Due to Sample Concentrations

All results reported in micrograms per liter (ug/l) except where noted otherwise.

**TABLE 5 - Continued**  
**Groundwater Analytical Results**  
**Minasian Oil Site**  
**1414 Rapids Drive**  
**Racine, WI**

Compound	Enf. Std.	PAL	MW-5				MW-6			MW-7		MW-8	MW-9				MW-10		
			12/4/96	10/13/98	1/11/99	4/23/99	10/13/98	1/11/99	4/23/99	11/26/96	10/13/98	11/26/96	11/26/96	10/13/98	1/11/99	4/23/99	10/13/98	1/11/99	4/23/99
DRO (ug/l)	0	0	430	1800	460	125	2400	1900	2360	200	68	120	210	2100	1200	1390	280	75	52
GRO (ug/l)	0	0	ND	31	73	ND	54	65	ND	ND	ND	ND	ND	46	63	ND	55	47	ND
Lead (ug/l)	15	1.5	NT	ND	NT	NT	0.82	NT	NT	NT	ND	NT	NT	ND	NT	NT	ND	NT	NT
1,2,4 Trimethylbenzene	NS	NS	ND	0.4	ND	ND	ND	0.69	ND	ND	ND	ND	ND	0.36	ND	ND	ND	1.5	ND
1,2-Dichloroethane	5	0.5	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
1,3,5 Trimethylbenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND
1,3-Dichlorobenzene	1250	125	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Benzene	5	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Chloromethane	NS	NS	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	0.48	ND
cis-1,2-Dichloroethene	70	7	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Ethylbenzene	700	140	ND	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83	0.98	ND
Isopropylbenzene	NS	NS	ND	0.55	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
n-Butylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
n-Propylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Naphthalene	40	8	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Xylenes, Total	620	124	ND	1.8	ND	ND	2.05	0.73	ND	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Methyl tert-butyl ether	60	12	ND	ND	ND	ND	ND	0.48	ND	ND	ND	ND	ND	ND	ND	ND	2.29	3.15	ND
p-Isopropyltoluene	NS	NS	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
sec-Butylbenzene	NS	NS	ND	0.67	NT	NT	0.56	NT	NT	ND	ND	ND	ND	3.4	NT	NT	0.48	NT	NT
tert-Butylbenzene	NS	NS	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Toluene	343	68.6	ND	0.35	ND	ND	1.1	ND	ND	ND	ND	ND	ND	0.6	ND	ND	0.66	0.82	ND
Trichloroethene	5	0.5	ND	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
HPLC - PAHs	NS	NS	NT	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	NT	NT	ND	NT	NT
Notes			*	*~			*			*		*	*	*~			*		

**Notes**

NS - No Standard

ND - Not Detected above laboratory MDL

NT - Not Tested

**Bolded values exceed WDNR NR140 Enforcement Standards**

\* DRO GC chromatogram does not match the diesel standard pattern.

# Other lighter hydrocarbons present before the GRO window.

\$ Other heavier hydrocarbons present after the GRO window.

! Other heavier hydrocarbons present after the DRO window.

% Other lighter hydrocarbons present before the DRO window.

^ SW 8021 quality control criteria not met.

~ Significant baseline rise in DRO sample chromatogram.

< Elevated Detection Limits Due to Sample Concentrations

All results reported in micrograms per liter (ug/l) except where noted otherwise.