

Engineers, Scientists & Environmental Management Consultants



K. SINGH & ASSOCIATES, INC.

Engineers, Scientists and Environmental Management Consultants

February 17, 2005

Project # 4668

Ms. Wendy Weihemuller Program Assistant / BRR Program Wisconsin Department of Natural Resources South Central Region 3911 Fish Hatchery Road Madison, WI 53711

Subject: Remedial Investigation Work Plan for Marathon Gas Station at 905 E. Main Street, Watertown, WI 53098.

Dear Ms. Weihemuller:

On behalf of Mangal LLC, we are pleased to submit a Remedial Investigation Work Plan for the referenced property. The plan calls for performing soil borings, installing monitoring wells, and conducting field and laboratory testing for petroleum products. The Remedial Investigation Work Plan is designed to delineate the extent of petroleum contamination and provide data necessary for developing a Remedial Action Plan.

We intend to implement this plan as soon as possible. Please call us, if you have any questions regarding this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Biravanishtigh

Bhuvanesh Singh, Ph.D. Staff Engineer

Rutels N. Single

Pratap N. Singh, Ph. D., P.E. Project Manager

Cc: Mr. Yogi Bhardwaj/Mangal, LLC., P.O. Box 480, Gurnee, IL 60031. PECFA Claim File

REMEDIAL INVESTIGATION WORK PLAN MARATHON GAS STATION 905 EAST MAIN STREET WATERTOWN, WISCONSIN 53098

PREPARED FOR

MANGAL, LLC P.O. BOX 480 GURNEE, IL

PREPARED BY

K. SINGH & ASSOCIATES, INC. 1135 LEGION DRIVE ELM GROVE, WI 53122

PROJECT # 4668

February 17, 2005

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SECTION I. INTRODUCTION

1.1 REGULATORY BACKGROUND

Concerns for the status of leaking underground storage tanks have prompted the development of legislation regarding the registration and monitoring of existing tanks, design and installation of new tanks, and corrective action for past and ongoing releases. The 1984 Hazardous and Solid Waste Amendment (HSWA) to the Resource Conservation and Recovery Act added a new subtitle I, "Regulation of Underground Storage Tanks." Subtitle I requires the U.S. EPA to develop a comprehensive program for regulating certain underground storage tanks that contain regulated substances. Section 9003(a) requires the EPA to promulgate underground storage tank regulations as may be necessary to protect human health and the environment. The EPA is responsible for developing "requirements for taking corrective action in response to a release from an underground storage tank."

The EPA has established regulations for USTs under 40 CFR Parts 280 and 281(1). These regulations require that owners and operators take corrective actions to remedy releases from USTs. They require that owners and operators take corrective action to reduce fire and explosion hazards and to recover the product and remove or treat contaminated soils. The office of Underground Storage Tanks (OUST) is responsible for establishing the Agency's program for controlling underground storage tanks. An outline of the corrective action process at UST sites is included in Figure 1.1 (1).

The UST program in the State of Wisconsin is managed by the Department of Commerce (DCOMM). The Wisconsin Department of Natural Resources (WDNR) provides technical support to the DCOMM in the implementation of the UST program. To address the problems associated with leaking USTs in Wisconsin, the Petroleum Environmental Cleanup Fund (PECFA) program has been established. Section 101.43 Wis. Stats., as created by the 1987 Wis. Act 399, establishes the PECFA funding program. The PECFA fund is administered by DCOMM and is funded by an increase in tax on motor vehicle fuel.

1.2 PROJECT DESCRIPTION

Marathon Gas Station is located at 905 East Main Street, City of Watertown, Jefferson County, Wisconsin. The site can be described as part of the SE ¼ of the NE ¼ of Section 4, Township 8 North, Range 15 East in Jefferson County, Wisconsin. A topographic map of the site is shown in Figure 1.2. The property is used as gasoline station and Convenience Store. The property is bounded by Residential Properties to the west, restaurant and residential properties to the east, a church to the north, and residential properties and commercial establishments to the south.





Figure 1.1. Federal Corrective Action Process For USTs

I-2



Figure 1.2 Project Location Map

Ecometrica performed a Phase II ESA on the subject property in order to investigate potential subsurface soil and groundwater contamination (2). Soil contamination was discovered during a Phase II ESA between on completed on February 15, 2005. The release was reported to the WDNR on February 16, 2005. Correspondence regarding release notification is included in Appendix B.

Mangal, LLC retained K. Singh & Associates, Inc. (KSA) to conduct a remedial investigation.

1.3 PURPOSE AND SCOPE

The purpose of this report is to develop a plan to conduct a remedial investigation at the site in accordance with the WDNR guidelines (3). A flow chart of the site assessment process for petroleum underground storage tanks in Wisconsin is included in Figure 1.3. Specific objectives of the Remedial Investigation Work Plan are as follows:

- 1. Conduct a site visit, gather pertinent information relative to releases of petroleum hydrocarbons and identify the locations of utilities;
- 2. Prepare a work plan to characterize the extent and degree of contamination in soil and groundwater;
- 3. Conduct site investigation in accordance with NR 716 and COMM 46 (4, 5);
- 4. Evaluate environmental factors in accordance with COMM 47 (6);
- 5. Determine risk criteria in accordance with the protocol developed by the WDNR (7);
 - a. Evaluate the five environmental factors as per COMM 47.3337;
 - b. Evaluate groundwater plumes with respect to the enforcement standard (ES) in developable groundwater (<0.2 gallons/minute);
 - c. Evaluate soil contamination with respect to Table 1 values of COMM 46 for direct exposure in the upper 4 feet layer of soil;
 - d. Evaluate if 5 feet of separation exists between soil contamination and developable groundwater or soil contamination levels are decreasing with depth;
 - e. Evaluate impacts to receptors of concern;
 - f. Evaluate if ES exceedance exists within 1,000 feet of a public well; and
 - g. Evaluate if ES exceedance exists within 100 feet of a private well.



Source: WDNR Site Assessment Guidelines

Figure 1.3. State Corrective Action Processes for USTs

- 6. Determine total contaminant mass in soil; and
- 7. Prepare a Remedial Investigation Report, Remedial Alternatives Evaluation, and Interim Remedial Action Plan consistent with the requirements of the State.

1.4 REPORT ORGANIZATION

This report is organized into four sections. Section I briefly discusses regulatory background, purpose and scope, and report organization. Section II provides a review of background information and a brief description of characterization activities in the project area. Section III includes the work plan for the site assessment and Section IV includes references.

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SECTION II. BACKGROUND INFORMATION

2.1 FACILITY DESCRIPTION

Marathon Gas Station is located at 905 East Main Street, City of Watertown, Jefferson County, Wisconsin. The site can be described as part of the SE ¼ of the NE ¼ of Section 4, Township 8 North, Range 15 East in Jefferson County, Wisconsin. The property is used as gasoline station and Convenience Store. The property is bounded by Residential Properties to the west, restaurant and residential properties to the east, a church to the north, and residential properties and commercial establishments to the south. A site layout is shown in Figure 2.1.

The facility consists of a single story building constructed around 1960. The lot is fully paved. The topography of the site is relatively flat. This property has a surface elevation of approximately 849 feet, MSL.

2.2 **REGULATORY CONSIDERATION**

Ecometrica discovered petroleum contamination on the property as part of their subsurface investigation completed on February 15, 2005. The release was reported to the WDNR on February 16, 2005 by KSA. WDNR correspondence is included in Appendix A.

2.3 TANK CLOSURE DOCUMENTATION

According to the City of Watertown building permit records, a gasoline station was constructed in 1963 and in operation since then. Building permit records are included in Appendix B. As per Wisconsin Department of Commerce underground storage tank database, 6,000 gallon leaded gasoline and 14,000 gallon unleaded gasoline tanks were removed on May 1, 1987. Subsequently, in May of 1987 three unleaded gasoline USTs of capacity 6,000, 8,000, and 10,000 gallons were installed. Tank registration forms are included in Appendix C.

2.4 **PREVIOUS INVESTIGATIONS**

Ecometrica conducted a Phase II ESA (2) for the property in February 2005. Five 2.5 inch diameter geoprobe borings GP-1 through GP-5 were advanced 12 to 14 feet below grade at the subject property on January 20, 2005 (Figure 2.2).

		OILEGE ANENUE	APPROX 0 8' 15' MAIN STREET PUMP ISLANDS ANOPY STORE	SCALE: 1" = 3	
				LEGENI	D
			UST	Underground	Storage Tanks (UST)
2	PEODECE 905 E. MAIN STREET WATERTOWN WISCONSIN	MLE: FIGURE 2.1: SITE LAYOUT	ENGINEER K. SINGH & ASSOCIATES, INC. Express, Scientific and Environmental Management Convolunts 1135 Logica Drive Elm Grove, Wisconsin 53122	DRAWN BY: CHECKED BY: DATE:	J.B.M. B.S. 02/17/05
			Phone: (262) 821-1171 FAX: (262) 821-1174B-mail: mgh@m ape_	DRAWING FILE:	4668 4668.dwg



The geoprobe borings were drilled by Inland Environmental Remedial Services, Inc. using a geoprobe rig and under supervision of Ecometrica, Inc. staff. Soil samples were collected at continuous 4-foot intervals for visual description and sample collection. A final boring log for each test boring was prepared. The test borings were filled with granular bentonite after completion and borehole abandonment forms were prepared.

Soil samples were collected at continuous 4-foot intervals for visual description and sample collection. Selected soil samples were submitted to APL Inc. of Milwaukee and tested for GRO and PVOCs,.

The results of the laboratory analyses are discussed below and are compared to applicable Residual Contaminant Levels (RCLs) contained in Wisconsin Administrative Code, NR 720.

Low level of some of the PVOCs were detected in soil borings, GP-1, GP-3, and GP-5. The concentration (14 ppm) of GRO exceeded the WDNR reporting limit (10 ppm) in the soil sample collected from GP-4 from 12 to 14 ft. BGS. This sample also had benzene (38 ppb) in excess of the NR 720 RCL. The concentration (141 ppb) of benzene exceeded the NR 720 RCL in the soil sample collected from GP-2 from 4 to 6 ft bgs. The soil sample was stained and had petroleum odor. This sample also had the highest PID reading. The soil boring SB-2 was conducted near the southern dispenser.

2.5 SOIL CONDITIONS

The near-surface soils at the subject property consist of fill extending down to 1-foot below grade. The fill is underlain with silty clay and silty sand, which extended to the end of the test boring.

2.6 GROUNDWATER CONDITIONS

According to USGS data, as shown in Figure 1.2, ground surface elevation is approximately 850 feet, MSL at the site. Due to the presence of contamination in the near surface soil at the site, there may be a potential for near surface groundwater contamination. Further investigation is warranted. Perched shallow groundwater is expected to be present at the depth of twelve to fourteen feet below grade. The groundwater is likely to flow to the westerly direction towards Rock River. Based on the surface elevation of the Rock River, the depth to water is estimated to 49 ft below ground surface.

2.7 ADDITIONAL DATA NEEDS

Soil and groundwater quality data, geologic and hydrogeologic information need to be compiled for the site.

II-5

Specific areas of data need are listed below:

- 1. Soil borings need to be performed in order to define the horizontal and vertical extent of contamination;
- 2. The installation of monitoring wells is warranted to assess petroleum contamination in near-surface groundwater;
- 3. Investigative procedures will need to be performed to determine if contamination is using utility corridors as pathways for migration, specifically storm and sanitary sewers locations surrounding the site;
- 4. A corrective action plan may be warranted to restore the sub-surface soils and near-surface groundwater which may be affected by dissolved hydrocarbons; and
- 5. Locations of private and public wells may need to be determined.

SECTION III. REMEDIAL INVESTIGATION WORK PLAN

3.1 INTRODUCTION

The work plan for the remedial investigation is a detailed plan that will be developed and followed throughout the investigation process. This will lead to a characterization of the nature, extent, and rate of migration of a release of petroleum products. This plan will address a number of components, which are as follows:

- 1. Description of the current situation;
- 2. Development of procedures for characterizing the contaminant source, the environmental setting, assembling available monitoring data, establishment of monitoring procedures and data collection procedures;
- 3. Identification of potential receptors;
- 4. Health and safety procedures;
- 5. A schedule for specific site assessment activities;
- 6. Quality Assurance / Quality Control Procedures; and
- 7. Data Management Procedures.

3.2 DESCRIPTION OF CURRENT SITUATIONS AND RATIONALE FOR ADDITIONAL DATA NEEDS

The existing information is not sufficient to delineate the plume of contamination on-site. The variation of contaminant concentrations within the property needs to be determined. The performance of soil borings and installation of monitoring wells is proposed to delineate the potential plume of contamination.

This program is designed to fill the existing data gaps. As a result of this assessment, the horizontal and vertical extent of the contamination may be determined. Using data compiled during this assessment, the need for remedial action will be assessed and a remedial action plan will be developed, if necessary.

3.3 PROPOSED APPROACH

Based on a review of the background information and the rationale for additional data needs for determining the nature and extent of contamination, a program for soil borings

and monitoring well installation is proposed. The program is described briefly in subsequent subsections.

3.3.1 PERFORMING SOIL BORINGS

A program, consisting of performing ten soil borings, for delineating the horizontal and vertical extent of soil contamination is proposed. The locations of the proposed soil borings are shown in Figure 3.1. These locations are selected based on the soil quality test results from the Phase II ESA and recognized environmental conditions (RECs).

The soil borings will be conducted to a depth of 14 feet BGS. If the contamination is encountered at that depth, the soil boring will be extended to a greater depth in order to delineate the vertical extent of contamination. The soil boring will be terminated if groundwater is encountered. These locations may need to be modified based on accessibility and the presence of utilities. The number and depth of soil borings may vary in accordance with the extent of petroleum contamination.

3.3.2 INSTALLATION OF MONITORING WELLS

In accordance with RCRA Groundwater Monitoring Technical Enforcement Guidance Document and NR 141, six of the soil borings will be converted into flush mount monitoring wells (MW-1 to MW-6) (8, 9, 10). These monitoring wells are anticipated to be installed to a depth of 20 feet below grade, with a 10-ft screen. The screen will be set to intersect the groundwater table. If no groundwater is encountered and the soil borings are determined to be clean, monitoring well will not be installed at that location. These monitoring wells are proposed to be installed for the purposes of defining the plume of contamination in groundwater, if groundwater is impacted by petroleum contamination. Monitoring wells MW-1 and MW-2 will be installed in the proximity of underground storage tank location. Monitoring wells MW-3 is proposed to be installed near the pump island location. Monitoring well MW-4 and MW-5 are proposed to be installed to define the limits of contamination. Locations of the proposed groundwater monitoring wells may vary in accordance with the extent of petroleum contamination and depth to the water.

3.3.3 DESIGN OF ON-SITE WASTE STORAGE

Soil cuttings will be stored on-site in 55 gallon WISDOT approved drums. A sample from the excavated material will be tested for PVOCs, GRO, DRO, and Lead. If the concentration of contaminants does not meet the cleanup goal of the Department, soil cuttings will be temporarily stored on-site until proper disposal arrangements are made.



During well development and in-situ permeability testing, there is a potential for the generation of contaminated groundwater. Contaminated groundwater will be stored temporarily on-site in 55 gallon WDOT approved drums and will be disposed of upon determination of the contaminant concentrations.

3.4 ENGINEERING SURVEY

A map of the project area will be prepared which includes the location of the various onsite buildings and adjacent properties and buildings. Locations of tanks and utilities such as sewer, water, gas, electricity and telephone, including soil borings and monitoring wells, will be shown as part of the proposed assessment. Ground and PVC pipe elevations will be determined for each monitoring well.

3.5 REGIONAL GEOLOGY AND HYDROGEOLOGY

Published and other existing materials pertaining to the regional geologic conditions, groundwater occurrences and behavior will be reviewed. This data will provide a framework for the understanding of the site that can be used as an aid in interpreting site-specific data.

Specific questions, such as occurrence of near-surface aquifer, regional groundwater flow directions, effect of surface water on groundwater conditions in the near-surface aquifer, and regional groundwater quality, especially as it pertains to the near-surface aquifer, will be investigated.

3.5.1 SITE GEOLOGY AND HYDROGEOLOGY

Some site-specific geologic data are available for the site. Proposed soil borings and monitoring-well data will provide additional information about the nature, permeability, and on-site transport of contaminants into the subsurface environment. Groundwater data will provide flow directions which are likely to be beneficial if the contaminants are determined to move off-site. The groundwater data will be useful in developing remedial plans for restoring the environment.

3.5.2 HORIZONTAL EXTENT OF CONTAMINATION

The horizontal extent of any plume of contamination is, in large part, governed by the boundary conditions which act upon the near-surface aquifer. To develop a better understanding of the groundwater flow in the near-surface aquifer, wells will be located to estimate the groundwater flow characteristics and to assess the plume of contamination.

3.5.3 RATE OF MOVEMENT

Knowledge of hydraulic conductivity of the near-surface aquifer is required to determine the rate of any contaminant migration. In order to quantify the hydraulic conductivity onsite, permeability testing will be performed in monitoring wells. The intent of in-situ testing will be to obtain hydraulic conductivity values which are representative of the insitu conditions of the near-surface aquifer.

The actual methods to be employed in the hydraulic conductivity testing will depend on the drawdown/recharge characteristics as seen during well development. Slug testing consisting of rising head test is the method of choice and is proposed.

With knowledge of the in-situ hydraulic conductivity and hydraulic gradient across the site, the rate of groundwater movement can be calculated. This rate will represent the worse case migration potential, in that no consideration will be given for any retardation of plume constituents within the matrix of the soil.

3.6 SOIL TESTING

Split spoon sampling will be conducted in accordance with ASTM D1452 and D1586. A PID meter will be used to screen samples for petroleum products. Soil samples will be recovered and placed into air tight freezer bags for PID measurement. Soil samples with the highest PID reading and within the top 4 feet will be prepared on-site and tested for petroleum constituents and natural attenuation parameters.

Soil samples will be subjected to qualitative screening in the field for volatile organic compounds using a PID meter. Samples for laboratory analysis will be selected on the basis of PID meter readings. If non-detect readings are noted in soil samples of a boring; only one sample is proposed to be submitted for laboratory analysis from each test boring.

We propose to test two soil samples from each contaminated soil boring. Soil samples are proposed to be tested for VOCs, GRO, and Lead by the WDNR/EPA approved methods.

Two soil samples from the vadose zone will be tested for environmental parameters, including total organic carbon, which will help evaluate natural biodegradation potential of the petroleum constituents.

One soil sample will be collected from the top four feet of the ground surface and tested for PVOCs in order to compare with concentration listed in Table 1 of COMM 46. The result will be used in the development of a remedial action plan, if necessary.

3.7 GROUNDWATER MONITORING

Monitoring wells will be developed in accordance with WDNR guidelines (10). Groundwater sampling will be conducted in accordance with the procedures approved by the WDNR (12). Groundwater samples are proposed to be tested for parameters needed to evaluate remediation by natural attenuation (RNA) if groundwater contamination is encountered at the site (11). Those RNA parameters will help determine the nature of contamination plume (stable, expanding, or shrinking) with respect to time and distance.

The first round of groundwater samples will be tested for full VOCs, Lead, dissolved nitrate (IC Method E 300), iron (Colorimetric HACH Method 8146), and sulfate (IC Method E 300). If recommended methods are not available in the selected laboratory, any equivalent methods having the same detection limit will be used.

Second and following rounds of groundwater samples will be tested for PVOCs and Naphthalene.

3.8 IDENTIFICATION OF POTENTIAL RECEPTORS

Information will be collected describing the human populations and environmental systems that may be susceptible to contaminant exposure from the facility. Such information will include:

- 1. Existing and possible future use of groundwater including the type of use (e.g., municipal, and/or residential drinking water, agricultural, domestic/non-potable and industrial);
- 2. Location of groundwater users, including wells and discharge areas;
- 3. Existing and possible uses of surface waters draining the facility;
- 4. Human use, access to the facility and adjacent lands;
- 5. A demographic profile of the human population who use or have access to the facility; and
- 6. A description of any endangered or threatened species near the facility.

This information will be reviewed and may be used to determine whether any interim corrective measures may be necessary at the facility. A water well survey will be conducted and historic aerial photographs reviewed as part of the investigation.

Receptors can be affected by the transfer of a release from on medium to another. Apparent or suspected inter-media transfers of contamination will be addressed. In examining the extent of a release, data will be collected to allow for the identification of potential inter-media transport.

3.9 HEALTH AND SAFETY PLAN

Protecting the health and safety of the investigative team, as well as the general public, is a major concern during the field investigation. This is particularly important in cases where workers may be exposed to known or unknown chemicals, heat stress, physical stress, biologic agents, equipment related injuries, fire and explosion. Many of these hazards are encountered in any type of field study, but exposure to chemical hazards, including toxicity, are major concerns for the investigative team that need to be addressed.

At underground storage tank sites, the hazards are associated with high concentrations of petroleum products in the groundwater. Particular emissions in the air may also be a concern. A HNU meter will be used to monitor quality of air at the project site. Because the investigation will not be conducted in a confined space, special precautions may not be required. However, Level D protection will be required for the staff actively involved in the implementation of the field work.

Level D protection is primarily a work uniform. Level D personal protective equipment includes:

- 1. Coveralls;
- 2. Gloves;
- 3. Boots/shoes, chemical resistant steel toe and shank;
- 4. Safety glasses or chemical splash goggles; and
- 5. Hard hat.

The field investigation team will be required to take precaution at Level D. A higher level of protection may be required if data gathered during the field investigation indicates high concentrations of gasoline fumes.

3.10 PERMITS

While the investigation is underway, permits for temporary storage of soil and contaminated water and a conceptual plan for treatment or off-site disposal will be initiated, if necessary. The final permitting requirements will depend on source identification and selected corrective action technology. Private party permits may need to be obtained to conduct off-site installation of monitoring wells and advancement of soil borings.

3.11 SCHEDULE FOR SITE ASSESSMENT ACTIVITIES

The schedule for site assessment activities is based on favorable weather conditions and obtaining permits in a timely manner. Significant coordination will be required between owner Mr. Yogi Bhardwaj, Mangal, LLC and the WDNR for achieving environmental restoration at the site. Additional time may be required to complete the investigation if off-site contamination is encountered and any of the five environmental factors are encountered during site investigation.

SECTION IV. REFERENCES

- 1. 40 CFR Parts 280 and 281.
- Phase II Environmental Site Assessment, Marathon Gas Station, 905 E. Main Street, Watertown, WI; Prepared by Ecometrica, Inc., 1400 Lexington Court, Brookfield, WI, prepared for Mr. Yogi Bhardwaj, MANGAL, LLC, P.O. BOX 480, Gurnee, IL 60031; February 15, 2005.
- 3. Site Assessment for Underground Storage Tanks: Technical Guidance (PUBL-SW-175-92), Wisconsin Department of Natural Resources, September 1992.
- 4. Investigation and Remediation of Environmental Contamination, Wisconsin Administrative Code, NR 700 NR 736, WDNR, April 1995.
- 5. COMM 46 Petroleum Environmental Cleanup Fund Interagency Responsibilities, Wisconsin Department of Commerce, February 22, 1999.
- 6. COMM 47 Emergency Rules, Wisconsin Department of Commerce, April 21, 1998.
- 7. RE NEWS, Bureau for Remediation and Redevelopment, WDNR, Volume 9, Number 1, March 1999.
- 8. Groundwater Monitoring Well Requirements, NR 141, WDNR.
- 9. RCRA Groundwater Monitoring Technical Enforcement Guidance Document.
- 10. Monitoring Well Installation and Development Guidelines, Wisconsin Administrative Code, NR 141, 1990.
- 11. Natural Degradation as a Remedial Action Option Interim Guidance, WDNR, February 3, 1993.
- Groundwater Sampling Field Manual, PUBL-DG-038-96, Bureau of Drinking Water and Groundwater, Wisconsin Department of Natural Resources, September 1996.

APPENDIX A

WDNR Correspondence

Wisconsin Department of Natural Resources

Notification of Petroleum Contamination from Underground / Aboveground Storage Tank Systems

Please complete this form and FAX it to the appropriate WDNR contact person (see list on back page) immediately upon discovery of a release from an UST / AST system.

WDNR, Attn: Wendy Weihemuller FAX#: 608-275-3338 TO: FAX #:

PLEASE PRINT

1. Name, company, mailing address and phone number of person reporting the discharge:

PRATAP N. SINGH K. SINGH & ASSOCIATES, INC. 1135 LEGION DRIVE ELM GROVE, WI SBIZZ

2. Site Information

Name of site at which discharge occurred (local name of site/business -- not responsible party name, unless a residence):

Marathon Gas station

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60):

Municipality (city, village, township in which the site is located -<u>not mailing address</u>):

County: Jefferson County

Legal Description: <u>SE 1/4</u>, <u>NE 1/4</u>, Section <u>4</u>, Tn <u>SN</u>, Range <u>15</u> E / W

3. Responsible Party (RP) and/or RP Representative Information

RP/Business Name: MANGAL, LLC. Contact Person (if different): Yogi Bhardwaj Mailing Address (with zip code): P.O. BOX 480, GURNEE, JL 6003)

Telephone Number: 847 - 910 - 0052

4. Identity, physical state and quantity of the hazardous substance discharged (check all that apply):

\underline{X} Unleaded gasoline	Fuel oil
Leaded gasoline	Waste oil
Diesel	Other

5. Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply):

	Fire/explosion threat Contaminated private wells Contaminated public wells Groundwater contamination	(# of wells)	Soil contamination Surface water impacts Floating product Other	· · · · · · · · · · · · · · · · · · ·
6. Contamina	tion was discovered as a resu	lt of:		
	Tank closure assessment	_X_Site assessment	(other)	
On	what date: 21	16/05		
Additional Comm	ents: 2 assessmont	concisting of	sail borings confi	rmed
the	presence of bet	roleum hydro	carbon mesoic.	
	Benzene MITBE Xylone	at 141 = pb 76 > pb 293 > pb	M GP253	
	Benzine Xylene	et 38 ppt 108 pp	m @P4-57	
	Test r.	ecuts are at	cmed	

FAX numbers to report leaking tank sites in DNR's five regions are as follows:

6.

Northeast Region (920-492-5859) Underground Tanks: Attention - Janis DeBrock Aboveground Tanks: Attention - Roxanne Chronert Brown, Calumet, Door, Fond du Lac (except City of Waupun), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago Counties Northern Region (715-365-8932); Attention - Janet Kazda: Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn Counties South Central Region (608-275-3338); Attention - Marilyn Jahnke: Columbia, Crawford, Dane, Dodge, Fond du Lac (City of Waupun only), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk Counties Southeast Region (414-229-0810); Attention - Mike Farley: Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha Counties West Central Region (715-839-6076); Attention - John Grump: Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood Counties



ORGANIC REPORT

BATCH NUMBER:	20050670
DATE REPORTED:	27-Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT ID:	50052
PROJECT NAME:	BP Gas Station

	•	DATCH NUMBER.
		DATE REPORTED
Dilip Singh		DATE RECEIVED:
Ecometrica Inc		SAMPLE TEMP (C
PO Box 1066		PROJECT ID:
Brookfield, WI 53045		PROJECT ID.

Gas Range Organics	14	mg/kg	3.5	11	1	WI GRO 445037560	/ 1/25/2005
Compound	Result	Units	LOD	LOQ	Dilution RQ	Method Analyst	Date Extract/Analyzed
Sample ID: GP4-S7		% Solid = 83	8.6 %		Sample D	escription: 12-14'	
Sample Number: 36082	(QC Prep Batch N	umber:	1007758		Collection: 1/20/2005	Time: 17:15

Approved By: Date: 1 05 Quality Control Manager

RO Comment

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations. DNR Analytical Detection Limit Guidance, April 1995.



Accredited by A2IA • ISO 9000 Compliant Department of Natural Resources State Certified Laboratory #241340550

APL warrants the test results to be of a precision normal for the sample type and methology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223 Phone: (414) 355-5800 Fax: (414) 355-3099

Dilip Singh Ecometrica Inc PO Box 1066 Brookfield , WI 53045

ORGANIC REPORT

BATCH NUMBER:	20050670			
DATE REPORTED:	27-Jan-05			
DATE RECEIVED:	21-Jan-05			
SAMPLE TEMP (C):	20c			
PROJECT ID:	50052			
PROJECT NAME:	BP Gas Station			

Sample Number: 36078	QCI	rep Batch Numbe	r: 1007758	3	Collection: 1/20/2005	Time: 12:55
Sample ID: GP2-S3	9	6 Solid = 85.3	%	Sar	nple Description: 4'-6'	
Compound	Result	Units LO	DD LOQ	Dilution	RQ Method Analyst	Date Extract/Analyzed
Gas Range Organics	4.7	mg/kg	3.4 11	1	J WI GRO 445037560	/ 1/25/2005
Sample Number: 36079 Sample ID: GP1-S1	QC F	rep Batch Numbe 6 Solid = 88.9	r: 1007758 %	San	Collection: 1/20/2005 nple Description: 0-2'	Time: 14:05
Compound	Result	Units LC	D LOQ	Dilution	RQ Method Analyst	Date Extract/Analyzed
Gas Range Organics	< 3.3	mg/kg 3	.3 10	1	WI GRO 445037560	/ 1/25/2005
Sample Number: 36080 Sample ID: GP3-S3	QCP %	rep Batch Numbe 6 Solid = 92.6	r: 1007 7 58 %	San	Collection: 1/20/2005 nple Description: 4-6'	Time: 15:05
Compound	Result	Units LO	D LOQ	Dilution	RQ Method Analyst	Date Extract/Analyzed
Gas Range Organics	< 3.1	mg/kg 3	.1 10.0	1	WI GRO 445037560	/ 1/25/2005
Sample Number: 36081 Sample ID: GP5-S3	QC P %	rep Batch Number 5 Solid = 86.5	r: 1007 7 58 %	San	Collection: 1/20/2005 aple Description: 4-6'	Time: 16:10
Compound	Result	Units LO	D LOQ	Dilution	RQ Method Analyst	Date Extract/Analyzed
Gas Range Organics	< 3.4	mg/kg 3	.4 11	1	WI GRO 445037560	/ 1/25/2005



Accredited by A2lA • ISO 9000 Compliant Department of Natural Resources State Certified Laboratory #241340550



Dilip Singh Ecometrica Inc PO Box 1066 Brookfield, WI 53045

ORGANIC REPORT

BATCH NUMBER:	20050670
DATE REPORTED:	27-Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT ID:	50052
PROJECT NAME:	BP Gas Station

Sample Number: 36078	QC Prep Batch Number: 10			1007759			Collection: 1/20/2005	Time: 1	2:55
Sample ID: GP2-S3		% Solid = 8	5.3 %		Sa	mple De	escription: 4'-6'		
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Ana	alyzed
1,2,4-Trimethyl Benzene	176	ug/kg	8.8	28	1		WI PVOC 445037560	/	1/25/200
1,3,5-Trimethyl Benzene	129	ug/kg	6.0	19	1		WI PVOC 445037560	/	1/25/200
Benzene	141	ug/kg	6.0	19	1		WI PVOC 445037560	/	1/25/200
Ethylbenzene	56	ug/kg	7.4	23	1		WI PVOC 445037560	1	1/25/2002
MTBE	76	ug/kg	6.3	20	1		WIPVOC 445037560	/	1/25/2002
Toluene	64	ug/kg	7.2	23	1		WI PVOC 445037560	/	1/25/2005
Xylene, O, M & P-	293	ug/kg	22	71	1		WI PVOC 445037560	1	1/25/2005
Sample Number: 36079	QC	Prep Batch N	umber:	1007759			Collection: 1/20/2005	Time: 14	4:05
Sample ID: GP1-S1		- % Solid = 88	8.9 %		Sai	mple De	escription: 0-2'		
•		o sona ot						Date	
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Extract/Ana	lyzed
1,2,4-Trimethyl Benzene	< 8.4	ug/kg	8.4	27	1		WIPVOC 445037560	1	1/25/2005
1,3,5-Trimethyl Benzene	< 5.7	ug/kg	5.7	18	1		WIPVOC 445037560	/ :	1/25/2005
Benzene	< 5.7	ug/kg	5.7	18	1		WIPVOC 445037560	/ 1	1/25/2005
Ethylbenzene	12	ug/kg	7.1	23	1	ſ	WIPVOC 445037560	/	1/25/2005
MTBE	< 6.1	ug/kg	6.1	19	1		WIPVOC 445037560	/ 1	1/25/2005
Toluene	37	ug/kg	6.9	22	1		WIPVOC 445037560	/ 1	1/25/2005
Xylene, O, M & P-	< 21	ug/kg	21	68	1		WIPVOC 445037560	/ 1	/25/2005
Sample Number: 36080	0.01	Dran Datah M	mhari	1007750			0.11.1: 1/00/0005		
Sample ID: CD2 S2	QCI	Tep Datch N	innet.	1007739	0	L D	Collection: 1/20/2005	Time: 15	:05
Sample ID. GP3-S5	9	6 Solid = 92	.6 %		Бап	npie Des	scription: 4-6		
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Anal	lyzed
1,2,4-Trimethyl Benzene	13	ug/kg	8.1	26	1	J	WIPVOC 445037560	/ 1.	/25/2005



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APL warrants the test results to be of a precision normal for the sample type and methology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set for th herein.



ORGANIC REPORT

			BATCH NUMBER:	20050670
Dilip Singh			DATE REPORTED:	27-Jan-05
			DATE RECEIVED:	21-Jan-05
Ecometrica Inc			SAMPLE TEMP (C):	20c
PO Box 1066			PROJECT ID:	50052
Brookfield, WI 53045			PROJECT NAME:	BP Gas Station

1 3 5-Trimethyl Benzene	< 5.5	ug/kg	5.5	18	1		WI PVOC 445037560	1	1/25/2005
Benzene	< 5.5	ug/kg	5.5	18	1		WI PVOC 445037560	/	1/25/2005
Ethylbenzene	15	ug/kg	6.8	22	1	J	WIPVOC 445037560	/	1/25/2005
MTBE	< 5.8	ug/kg	5.8	19	1		WIPVOC 445037560	/	1/25/2005
Toluene	32	ug/kg	6.6	21	1		WI PVOC 445037560	1	1/25/2005
Xylene, O, M & P-	46	ug/kg	21	65	1	J	WIPVOC 445037560	/	1/25/2005

Sample Number: 36081	QC Pr	rep Batch N	umber:	100 7 759			Collection: 1/20/2005	Time: 16:10
Sample ID: GP5-S3	%	Solid = 86	5.5 %		Sar	nple Des	scription: 4-6'	
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
1,2,4-Trimethyl Benzene	< 8.7	ug/kg	8.7	28	1		WIPVOC 445037560	/ 1/25/2005
1,3,5-Trimethyl Benzene	< 5.9	ug/kg	5.9	19	1		WIPVOC 445037560	/ 1/25/2005
Benzene	< 5.9	ug/kg	5.9	19	1		WI PVOC 445037560	/ 1/25/2005
Ethylbenzene	14	ug/kg	7.3	23	1	J	WIPVOC 445037560	/ 1/25/2005
MTBE	< 6.2	ug/kg	6.2	20	1		WI PVOC 445037560	/ 1/25/2005
Toluene	35	ug/kg	7.1	22	1		WI PVOC 445037560	/ 1/25/2005
Xylene, O, M & P-	32	ug/kg	22	70	1	J	WI PVOC 445037560	/ 1/25/2005

Sample Number: 36082 Sample ID: GP4-S7	QC P. %	rep Batch N 6 Solid = 83	umber: 8.6 %	1007759	Sar	nple Des	Collection: 1/20/2005 scription: 12-14'	Time: 17:15
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
1,2,4-Trimethyl Benzene	78	ug/kg	9.0	29	1		WI PVOC 445037560	/ 1/25/2005
1,3,5-Trimethyl Benzene	60	ug/kg	6.1	19	1		WI PVOC 445037560	/ 1/25/2005
Benzene	38	ug/kg	6.1	19	1		WI PVOC 445037560	/ 1/25/2005
Ethylbenzene	13	ug/kg	7.5	24	1	J	WI PVOC 445037560	/ 1/25/2005
MTBE	< 6.5	ug/kg	6.5	21	1		WI PVOC 445037560	/ 1/25/2005
Toluene	84	ug/kg	7.3	23	1		WIPVOC 445037560	/ 1/25/2005
Xylene, O, M & P-	108	ug/kg	23	72	1		WI PVOC 445037560	/ 1/25/2005



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APL warrants the test results to be of a precision nonual for the sample type and methology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



Dilip Singh Ecometrica Inc PO Box 1066 Brookfield, WI 53045

ORGANIC REPORT

BATCH NUMBER:	20050670
DATE REPORTED:	2 7 -Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT ID:	50052
PROJECT NAME:	BP Gas Station

Approved By: Date: 1 127105

RQ Comment

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range. LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations. DNR Analytical Detection Limit Guidance, April 1995.



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APPENDIX B

City of Watertown Building Permits

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Building by Address

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Address	Date	Permit Number	Description	Contractor
905 E. MAIN STREET	5/26/1953	53-0687		A.E. BENTZIN
905 E. MAIN STREET	10/2/1957	57-1732		A.E. BENTZIN
905 E. MAIN STREET	4/1/1963	63-2912	FILLING STATION	CONSOLIDATED STATION
905 E. MAIN STREET	12/2/1974	74-7740	roof	CONSOLIDATED STATION
905 E. MAIN STREET	1/2/1975	75-7746	сапору	CONSOLIDATED STATION
905 E. MAIN STREET	11/3/1980	80-0207	INTERIOR REMODELING	MOTL CONSTRUCTION
*905 E. MAIN STREET	3/20/1987	87-0023	VOID	VOID
905 E. MAIN STREET	10/31/1988	88-0254	Utility Sheel	EMRO MARKETING
905 E. MAIN STREET	10/17/1995	95-350	WALK-IN COOLER	EMRO MARKETING CO.



Premises No. 20

Rin

St. or Ave

Application No. 29/2

APPLICATION

FOR

BUILDING AND OCCUPANCY PERMIT

, Wis. april 1 1963

TO THE CITY ENGINEER: The undersigned hereby applies for a permit to do work herein described and located as shown on the attached sheet of this application. The undersigned agrees that all work will be done in accordance with the zoning ordinance and all other ordinances of the City of Watertown and with all laws of the State of Wisconsin applicable to said premises.

Signed onsolidated Stations /n P.O. Box 861	Ówner Signed
Address Osh R a sh, Wis Lot NoBlock NoSubdiv	
Description if unplatted <i>[] art of 0.</i>	Le prove france from the first of the set of
Premises to be occupied as	Station
Zoning District Communical	Class of Construction Conc. i Metal
Sizefeet wide x	2'-10" feet longsq. ft. in area
Heightfeet	No. of stories
Work consists of (check)	Fee \$_28,00
New Building	Estimated Cost \$30,000
Addition	
Repairs	
Alteration	
	Application approved
Moving	Signed Toloyd N. Mahur
Wrecking	CITY ENGINEER



Fill in dimensions on this plat and locate any accessory buildings.

Zoning District_____

LOT PLAN

хтя. .

Address 905 E. Main St

APPLICATION FOR BUILDING AND OCCUPANCY PERMIT

Watertown, WI March 20, 1987

TO THE INSPECTION DEPARTMENT: The undersigned hereby applies for a permit to do work herein described and located as shown on the attached sheet of this application. The undersigned agrees that all work will be done in accordance with the zoning ordinance and all other ordinances of the City of Watertown and with all laws of the State of Wisconsin applicable to said premises.

Signed Owne	Signed <u>M. & M. M. Corporated</u> Agent <u>P.O. BOX 2188</u> , Called Fin. Address 905 & Ma <u>Server & Kredt</u>
	Address G: mate Subscrapting
Part of Lot(s) No Block No Su Description if unplatted Part of O. h	ubdivision, Addition or Replat 9 10 Th Ward
Premises to be occupied as <u>Utility</u> A	hed
Zoning District Class of Construct	ction
Size feet wide X2	feet long sq. ft. in area
Height feet Cu. Ft	No. of stories
Work consists of (check)	Minimum Permit Fee 10, 20
New Building	Cubic Contents — Fee
Addition	Estimated Cost — 700,
Repairs	(1 & 2 Family — Residence) (New Construction)
Alteration	TOTAL \$ 10.00
Moving	Signed Honald C. Mundy
Wrecking	BUILDING INSPECTOR

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APPENDIX C

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Underground Storage Tank Registration Forms

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Tank Detail

		Site and	Owner			
Site Info		County	& Munici	pality	Owner	
acility ID: 132295 MARA 05 E MAIN STREET WATERTOWN _andowner Type: Private	THON WATER	TOWN #2029 28 - JEf City of V Fire Dej	FERSON WATERTC ot ID: 2809)WN 9 - Watertov	ID: 273338 SPEEDWAY SUPER MN PO Box 1500 SPRINGFIELD OH 45	AMERICA LLC
Underground Stor	rage Tank - I	D: 401996, Wang	ID: 2809	00150, C	losed/Removed as	of 05/01/1987
[nstall Date:	•	Capacity in Gallons	6000		Contents:	Leaded Gasoline
ank Occupancy:	Retail Fuel Sales	Marketer:	Y		CAS Number:	
Federally Regulated:	Y	Spill Protection:	Required Installed	- Not	Overfill Protection:	Required - Not Installed
Corrosion Protect Type: Leak Detection: eak Test Meth:	Unknown null Coated Steel	Date of Lining: Cath Test Date: Leak Expire Date: Wall Size:	Single		Lining Inspected Date: Cath Expire Date: Leak Test Date: Underground Pining:	¥
Flose Order Date:		Close Order By:	olligio		onderground i iping.	
Flex Connectors: Type: Construction Material: Cath Test Date: Leak Test Date: Catastrophic Leak Detect	Unknown	Piping - Closed UST mainfolded: Aboveground Piping Corrosion Protect T Cath Expire Date: Leak Expire Date: Cat Leak Test Date:	/Remove g: ype:	ed Related Ta Abovegro Leak Dete Leak Test Pipe Wall	ank ID: und Pipe Construction ction: Meth: Size:	: Unknown null Single
Inspections Click her	e for login page	e Chatture	Dete			
rans ID	I ype	Status	Date	FISCAL Yr		
" No inspections for this	s tank ""					

-W COCO

Close this response window

his document was last revised: 10 November 2004



-W-CO

Close this response window



Tank Detail

		Site ar	nd Owner					
Fite Info acility ID: 75753 MARAT 905 E MAIN STREET WATERTOWN _andowner Type: Private	THON WATERTO	WN #20	County & Mun 29 28 - JEFFERS City of WATER Fire Dept ID: 28	icipality ON TOWN 809 - Watert	C I N town F C	Dwner D: 985331 MANGAL LLC PO Box 480 GURNEE IL 60031		
Underground Stor	age Tank - ID:	4022	71, Wang ID: 28	30900442,	In U	lse, PTO Expiration:	02/	28/2006
nstall Date:	05/01/1987		Capacity in Gallo	ns: 6000		Contents:	Unle Gas	eaded soline
Tank Occupancy:	Retail Fuel Sales	5	Marketer:	Y		CAS Number:		
Federally Regulated:	Y		Spill Protection:	Require Installed	d - I	Overfill Protection:	Rec Inst	iuired - alled
Corrosion Protect Type:	Not Applicable		Date of Lining:			Lining Inspected Dates	:	
Leak Detection:	Statistic Inventor Reconciliation	у	Cath Test Date:			Cath Expire Date:		
eak Test Meth:	Monthly Monitori	ing	Leak Expire Date:	:		Leak Test Date:	12/2	28/2004
Construction Material:	Fiberglass		Wall Size:	Single		Underground Piping:	Y	
Close Order Date:			Close Order By:					
			Piping - In	ı Use				
Flex Connectors: Type:		UST m Above	ainfolded: ground Piping:	Ν	Rela [.] Abov	ted Tank ID: veground Pipe Construc	tion	: Statiatia
Construction Material:	Fiberglass	Corros	ion Protect Type:	Not Applicable	Leak	Detection:		Inventory Reconciliat
Cath Test Date:		Cath E	xpire Date:		Leak	Test Meth:		Monthly Monitoring
_eak Test Date:	12/28/2004	Leak E	xpire Date:		Pipe	Wall Size:		Single
Catastrophic Leak Detec	tion: Automatic Shut Off	Cat Lea	ak Test Date:					
nspections Click her	e for login page							
Trans ID ●13468	Туре AN	Status CLNI		Date	Fisc a 2004	al Yr		
043873	AN	INVS		02/10/2005	2005	·		

Tank Detail	nk Detail
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MANISCONS Department of Comp	IN nerco						Tank De	tail			
Search Instru	ctions	Se	earch by Site, Ov Characteri	vner, o istics	or Tank		Search by Tank ID				
Fank Detail				=		******	, από το δ τ δ τ _α , α το από το πολογιας συ στα δ δ τ α προγολογιας το πολογιας				
I		Site a	nd Owner								
Aito Info				iniaina		0	humor				
acility ID: 75753 MARA ⁻ 905 E MAIN STREET VATERTOWN andowner Type: Private	THON WATERTO	WN #20	County & Mit 029 28 - JEFFER City of WATE Fire Dept ID:	SON RTOW 2809 -	VN Watert	II N own P G	D: 985331 1ANGAL LLC 10 Box 480 GURNEE IL 60031				
Underground Stor	rage Tank - ID	: 4022	72. Wang ID: 2	28090)0443.	in U	se. PTO Expiration:	02/	28/2006		
stall Date:	05/01/1987		Capacity in Gall	ions: 1	10000		Contents:	Unle Gas	eaded soline		
L Tank Occupancy:	Retail Fuel Sale	S	Marketer:	Y	(CAS Number:				
ederally Regulated:	Y		Spill Protection:	: F	Required nstalled	- t	Overfill Protection:	Req Inst	uired - alled		
Corrosion Protect Type	: Not Applicable		Date of Lining:				Lining Inspected Date	:			
_eak Detection:	Statistic Inventor Reconciliation	у	Cath Test Date:				Cath Expire Date:				
Leak Test Meth: Construction Material:	Monthly Monitori Fiberglass	ing	Leak Expire Dat Wall Size:	e: S	Sinale		Leak Test Date: Underground Piping:	12/2 Y	28/2004		
lose Order Date:			Close Order By:	:	J			·			
			Pipina -	In Us	е						
lex Connectors:		USTm	ainfolded:	Ν		Relat	ed Tank ID:				
L Type:		Above	ground Piping:			Abov	eground Pipe Construc	tion	:		
Construction Material:	Fiberglass	Corros	sion Protect Type	e: ^{Not} Appl	licable	Leak	Detection:		Statistic Inventory Reconcilia		
Cath Test Date:		Cath E	xpire Date:			Leak	Test Meth:		Monthly Monitoring		
_eak Test Date:	12/28/2004	Leak E	xpire Date:			Pipe	Wall Size:		Single		
atastrophic Leak Detec	ction: Automatic Shut Off	Cat Le	ak Test Date:								
hspections Click he	re for login page										
rans ID	Туре	Status		Date	Э	Fisca	l Yr				
13468	AN	CLNI				2004					
043873	AN	INVS		02/1	0/2005	2005					

htp://apps.commerce.state.wi.us/Er_Tanks/TankList?objid=402272

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Tank Detail			
1			



Tank Detail

		Site a	nd Owner				
Fite Info		NA/NI #21	County & Mun	icipality	C)wner	
905 E MAIN STREET WATERTOWN andowner Type: Private			City of WATER Fire Dept ID: 28	TOWN 309 - Water	town F	ANGAL LLC PO Box 480 GURNEE IL 60031	
Underground Stor	age Tank - ID	: 4022	73, Wang iD: 28	30900444	, in U	se, PTO Expiration:	02/28/2006
∎stall Date:	05/01/1987		Capacity in Gallo	n s: 8000		Contents:	Unleaded Gasoline
Tank Occupancy:	Retail Fuel Sale	S	Marketer:	Y		CAS Number:	
<pre>=ederally Regulated: </pre>	Υ		Spill Protection:	Require Installed	- b t	Overfill Protection:	Required - Installed
Corrosion Protect Type:	Not Applicable		Date of Lining:			Lining Inspected Date:	
Leak Detection:	Statistic Inventor Reconciliation	ry	Cath Test Date:			Cath Expire Date:	
eak Test Meth:	Monthly Monitor	ing	Leak Expire Date:			Leak Test Date:	12/28/2004
Construction Material:	Fiberglass		Wall Size:	Single		Underground Piping:	Y
Slose Order Date:			Close Order By:				
			Piping - In	Use			
Flex Connectors:			nainfolded:	Ν	Relat	ted Tank ID:	tions
туре.		ADOVE		• • •	ADOV	reground Pipe Construc	Statistic
Construction Material:	Fiberglass	Corros	sion Protect Type:	Not Applicable	Leak	Detection:	Inventory Reconciliat
Cath Test Date:		Cath E	Expire Date:		Leak	Test Meth:	Monthly Monitoring
eak Test Date:	12/28/2004	Leak E	Expire Date:		Pipe	Wall Size:	Single
Catastrophic Leak Detec	tion: Automatic Shut Off	Cat Le	ak Test Date:				
nspections Click her	e for login page						
rans ID	Туре	Status	i i i i i i i i i i i i i i i i i i i	Date	Fisca	l Yr	
13468	AN	CLNI			2004		
1043873	AN	INVS		02/10/2005	2005		

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Ittp://apps.commerce.state.wi.us/Er_Tanks/TankList?objid=402273

APPENDIX D

Phase II Soil Boring Logs, Borehole Abandonment Forms, and Soil Quality Test Results

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FacilityProject Name Dispertind D Other Base Print Gas Station, 905 E. Main Street. Watertown. WI Date Drilling Statiet Date Drilling Completed SB-1 Friend Drilling Vierm name and anne of ever whith Date Drilling Statiet Date Drilling Completed Difference Main Driventionental Remotal Services, Inc./David Prycek Date Drilling Statiet Date Drilling Completed Difference Main Driventionental Remotal Services, Inc./David Prycek Date Drilling Completed Difference Difference Main Driventionental Remotal Services, Inc./David Prycek Date Drilling Completed Difference Difference Doing Journal Common Well Name Freed Statik Water Lovel Statik Reace Lovel Difference Difference Stati And N. N. Ferce N Long Origon Control Water Net Statik Reace Lovel Difference Statik Reace Lovel Difference Stati And N. N. Ferce N Long Origon Statik Reace Lovel Difference Statik Reace Lovel Difference Civel Water Net Net Stati And Statik Statik Reace Lovel Difference Statik Reace Lovel Difference Statik Reace Lovel Difference Statik Reace Lovel Difference Statik Reace Lovel Difference Statik Reac	State of Wisconsin Re Department of Natural Resources						Rou	ite To: Solid Waste Emergency Response Wastewater	□ Haz □ Uno □ Wa	2. Wasi dergrou ter Res	te und Ta sources	nks			SC For	DIL B(m 4400	ORIN(-122	G LO	G INF	ORM 1	LATI(Rev. 5-	DN 92
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than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days or	This fo	nn is a	uthor more	ized b than N	y) 55	Chapters 144.1	l 47 a 101at	and 162, Wis. Stats. C	completion	ofthi	s repo han N	rt is n		ndator	y. Pen	alties:	Forfei han 30	t not le	SS			
both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.	both to	r each	violat	10n. I	Ea	ch day of cont	inued	d violation is a separat	e ottense,	pursu	ant to	ss 144	4.9	9 and	162.06	o, Wis.	Stats.		-			-

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State of Wisconsin Department of Natural Resources

WELL/DRILLHOL	E/BOREHOLE A	BANDONMENT
Form 3300-5	2/2000	Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report i srequired by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a fortelture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	zement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
WI Unique Well No. DNR Well 1D No. County Jeffers n	Facility Name Gas Station
Common WellNameSB-1 Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
$\frac{SE}{Grid Location} \frac{1/4 \text{ of } NE}{1/4 \text{ of } Sec. 4}; T. 8 N; R. 15 W E$	Street Address of Well 905 E. Main Street
f. 🗋 N. 🗋 S.,f. 🗋 E. 🗋 W.	City, Village, or Town Water own, Wi
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long $\overset{\circ}{\underset{\scriptstyle \longrightarrow}}$	Street Address or Route of Owner
St. Plane It. N It. E. LLL Zone	City State 72 - Co-J-
Sample collection complete of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Oniginal Construction Data 1/20/2005	Pump & Piping Removed? Yes No Not Applicable
	Liner(s) Removed? Yes No Not Applicable
Monitoring Well	Screen Removed? Yes No Not Applicable
Water Weil is available, please attach.	Casing Left in Place? Yes No
Construction Type	Was Casing Cut Off Below Surface? 🔲 Yes 🗌 No
Drilled Driven (Sundacint) Dug	Did Sealing Material Rise to Surface? 🔲 Yes 🗌 No
	Did Material Settle After 24 Hours? 🔲 Yes 🗌 No
U Other (Specify)	If Ycs, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Scaling Material
X Unconsolidated Formation Bedrock	Curductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Deoth (ft.) Casing Diameter (in.)	Screened & Poured Other (Explain)
(From groundsurface) Casing Depth (ft.)	Scaling Materials For monitoring wells and
Lower Drillhole Diameter (in.) 2	Neat Cement Grout monitoring well boreboles only Send Compart (Compare) Compare 1
Was Well Annular Space Grouted? 🔲 Yes 🗌 No 🗌 Unknown	Concrete
If Yes, To What Depth? Feet	Clay-Szod Shurry (11 lb/gal. wt.)
Depth to Water (Feet)	Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (FL) To (FL) No. Yarda, (Circle Mix Ratio Sacks Sealant One) or Mud Weight
Material recovered from the borehole, bentonite chips	Surface 12
(6) Comments: The borehole was patched with cement	

(7) Name of Person or Firm Doing Se	aling Work	Date of Abanda	mmeni			
David Frycek/Inland Env. Remedia	l Services	1/20/05		EONLY		
Signature of Person Doing Work	μ	Date Signed	Date Receiv	'ed	Noted By	
Street or Route	Telephon (e Number)	Comments		in in State of the state of the	an an An Anna an Anna Anna Anna An Anna Anna
City, State, Zip Code	I			-		

State of Wisconsin Route To: Department of Natural Resources Solid Waste Emergency Response Wastewater						- C - C - V - V	Iaz. Wa Indergro Vater Re	ste ound Ta sources	nks			SC For	OIL BO m 4400	ORIN(-122	g lo	G INH	FORN	IATION Rev. 5-92		
Facili	Eacility/Project Name										mit/Mo	nitori	19 N	umber		Borin	Page 9 Numl	1	_ of	1
-		Gas	s Sta	tio	n. 905 E. Mai	in Street, Wate	ertown, W	Л						SB-2						
Borin	g Drille	ed By	(Firn	n na	me and name of	crew chief)			Date	Drillin	g Starte	ed		Date	Drilling	Compl	eted	Drilli	ng Met	hod
		Inlar	nd Er	nvir	onmental Remed	ial Services, Inc.	David Fryc	ek	$\frac{0}{M}$	$\frac{1}{M} \frac{1}{E}$	$\frac{2}{D} \frac{0}{D}$	$\frac{\sqrt{0}}{Y}$	5 Y	$\frac{0}{M}$	$\frac{1}{4} / \frac{2}{D}$	$\frac{0}{D}$	$\frac{0}{Y} \frac{5}{Y}$		Geopro	be
DNR	Facility	Well	No		WildmiguerWel	l No	mon Well N	lame	Fina	l Static	Water I	Level	П	Surfa	ce Eleva	ation		Boreh	ole Di	ameter
Borin	g Locat	ion	10.00								F	eet MS	SL	Local	Grid La	- Fee	t MSL	licable)	2	inches
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Co	unty			_	Jeffers	son					C.v.n		City	.01 11	City	of Wat	ertown			
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S2			F		Silty clay, stiff					CL				18.0						
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S3			F	5						SM	ł			32.8	141	56	64	293	4.7	
_			F		Silty sand, moist	at 6', dark color,	petroleum	odor					1	1						
S4			F											10.3						
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S5			F								1			9.2						
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both fo	r each	viola	tion.	E	ach day of cont	inued violation	is a separa	ate offense	, pursu	ant to	ss 144	.99 [°] ar	nd I	62.06	, W1S.	Stats.				

State of Wisconsin Department of Natural Resources

WEL	L/DRILLHOLE	BOREHOLE A	BANDONMENT
Form	3300-5	2/2000	Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Mana	genent Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County Jefferson	Facility Name Gas Station
Common Well Name Gov't Lot (If applicable	Facility ID License/Permit/Monitoring No.
SE 1/4 of N; R. 1/5 X. E Grid Location W	Street Address of Well 905 E. Main Street
f. 🖸 N. 🗋 S.,f. 🗋 E. 🗋 W.	Ci ty, Village, or Town Watertown, Wi
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Nft. E. U Zone	Chu Shan 7's Cal
Sample collection complete	City, State, Zip Code
(2) WELL/DBILLIOLE/BODEHOLE INFORMATION	AN DIMO TINUD SCOUDN CASING & SEATING MATERIAL
Original Construction Date 1/20/2005 Monitoring Well	Pump & Piping Removed? Yes No Not Applicable Liber(\$) Removed? Yes No Not Applicable
Water Well If a Well Construction Report	Casing Left in Place?
X Borehole / Drillbole	
Construction Type:	Was Casing Cut On Below Surface? I ies No
X Drilled Driven (Sandpoint) Dug	Did Material Settle After 24 Hours?
Other (Specify)	If Yes. Was Hole Reformed?
Formation Type:	Required Method of Placing Scaling Material
X Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	Screened & Poured Other (Explain)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.) _2	Neat Cement Grout monitoring well boreholes anly
Was Well Annular Space Grouted? 🗌 Yes 🗌 No 🗌 Unknown	Concrete
If Yes, To What Depth? Feet	Clay-Sand Shurry (11 lb./gal. wt.)
Depth to Water (Feet)	Bentonite-Sand Slurry " "
(5) Material Used To Fill Well/Drillhole	From (FL) To (FL) Sacks Sealant One) Or Mud Weight
Material recovered from the borehole, bentonite chips	Surface 12
6) Comments: The borehole was patched with cement	

(7) Name of Person or Firm Doing Se	eating work	Date of Abandonment						
David Frycek/Inland Env. Remedi	al Services	1/20/05	FOR DNR OR COUNTY USE ONLY					
Signature of Person Doing Work	Date	Signed	Date Received	Noted By				
Street or Route	Telephone Nu ()	mber	Comments	4 				
City, State, Zip Code								

State of Wisconsin Route To: Department of Natural Resources Image: Solid Waste Image: Solid Waste Image: Breeze Barbaro Image: Solid Waste Image: Solid Waste Image: Wastewater Image: Wastewater Image: Solid Waste									az. Wa ndergr	ste ound Ta	anks			SC For	DIL B m 4400	ORIN(-122	G LO	G IN	FORM	IATION Rev. 5-92
·		-					Superfund		ther _								Page	1	_ of _	1
Facil	ity/Proj	ect Na	me Sta	tio	n 005 E Mai	n Si	treet Watertown W	т	Lice	ense/Per	mit/Mo	on	itoring l	Numbe	ſ	Borin	g Num	ber SB-3		
Borir	ng Drille	d By	(Firm	n na	me and name of	crew	v chief)	<u> </u>	Date	Drillin	g Start	ed		Date	Drilling	; Comp	leted	Drilli	ng Me	thod
		Inlar	nd Er	nvire	onmental Remed	ial S	Services, Inc./David Fryce	k	$\frac{0}{M}$	$\frac{1}{M} / \frac{1}{\Gamma}$	$\frac{2}{D} + \frac{0}{D}$	/_	$\frac{0}{v} \frac{5}{v}$	$\frac{0}{M}$	$\frac{1}{\sqrt{2}}$	$\frac{0}{D}$	$\frac{0}{\sqrt{5}}$		Geopre	obe
DNR	Hacility	Well	No		Wi Umque Wel	Ng	Common Well Na	me	Fina	1 Static	Water	Le	vel	Surfa	ce Elev	ation		Borel	nole Di	ameter
Borin	a Loop	ion									F	ee	t MSL		Grid L	Fee	t MSL		2	inches
State	Plane							E S/C/N	Lat		°	1	r	' Luca	Gild D		IN	licable		ΠE
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Co	ounty				Jeffers	on						1			City	of Wat	ertown			
San	nple	$\left[\right]$									Τ					Soil	Proper	ties	1	
	tt. & d (in)	Ints		Feet			Soil/Rock Description								l	ene				5
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Signatu	re	A	11	V	m				Firm			E	СОМІ	ETRI	CA, IN	IC.				
This fo	nn is a	uthor	fized	۔ by	Chapters 144.	147	and 162, Wis. Stats. C	Completio	n of th	nis repo	ort is n	nai	ndator	y. Pen	alties:	Forfei	t not le	SS		
both to	r each	viola	tion.	Ea	ach day of cont	inue	d violation is a separat	e offense	, pursi	uant to	ss 144	1.9	99 and	162.06	, W1S.	Stats.	uays,	01		

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State of Wisconsin Department of Natural Resources

WELL/DRILLHOLI	E/BOREHOLE A	BANDONMENT
Form 3300-5	2/2000	Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Mana	gement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
	Gas Station
Contraction SB-3 Contraction SB-3	Facility ID License/Permit/Monitoring No.
Common Well Name Gov t Lot (If applicable)	
SE 1/4 of <u>NE</u> 1/4 of Sec. <u>4</u> ; T. <u>8</u> N; R. <u>15</u>	Street Address of Well
Grid Location	Sos E. Main Street
ft. 🖸 N. 🗋 S.,ft. 🗋 E. 🗋 W.	Watertown, Wi
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address on Poule of Owner
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
Sample collection complete of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 1/20/2005	Pump & Piping Removed? Yes No Not Applicable
	Liner(s) Removed? Yes No Not Applicable
Monitoring Well	Screen Removed?
Water Well is available, please attach.	Casing Left in Place? Yes No
X Borehole / Drillbole	Was Casing Cut Off Below Surface? Yes No
Construction Type:	Did Seeling Material Rise to Surface? Ves No
X Drilled Driven (Sandpoint) Dug	
Other (Specify)	If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
X Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
	Screened & Poured Other (Explain)
(From groundsurface)	(Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Scaling Materials For monitoring wells and
Lower Drillhoie Diameter (in.)	Neat Coment Grout monitoring well boreholes only
	Sand-Cement (Concrete) Grout
	Concrete
If Yes, To What Depth? Feet	Bentonite - Cement Grout
Depth to Water (Feet)	Bentonite Chips Bestonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) No. Yards, (Circle Mix Ratio or Volume One) or Mud Weight
Material recovered from the borehole, bentonite chips	Surface 12
(6) Comments: The borehole was patched with cement	I

(7) Name of Person or Firm Doing Se	aling Work	Date of Abandonment		
David Frycek/Inland Env. Remedia	al Services	1/20/05	FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work	Data	Signed	Date Received Noted By	
Street or Route	Telephone N	umber	Comments	
City, State, Zip Code				

State of WisconsinRoute To:Department of Natural ResourcesSolid WasteHere										Iaz. Waste Form 4400-122								FORM	LATION Rev. 5-92	
□ Emergency Response □ Uno □ Wastewater □ Wa										und Ta sources	nks									
							Superfund	□ Oth	er							<u> </u>	Page		of	1
Facili	ty/Proje	ect Na	me		- 005 E Ma		ant Watastawa W	r	Licer	ise/Per	mit/M	onit	oring	Numbe	r	Borin	g Num	ber SP 1		
Borin	Gas Station, 905 E. Main Street, Watertown, WI Boring Drilled By (Firm name and name of crew chief)										g Start	ted	<u> </u>	SB-4					ng Met	hod
	Inland Environmental Remedial Services, Inc./David Frycek									$\frac{1}{M}$	$\frac{2}{D} \frac{0}{D}$	/_(Y	$\frac{5}{Y}$	$\frac{0}{M}$	$\frac{1}{M}/\frac{2}{D}$	$\frac{0}{D}$	$\frac{0}{Y} \frac{5}{Y}$		Geopro	be
DNR	Facility	/ Well	No.		WI Unique Wel	l No.	Common Well Na	me	Final	Static	Water	Lev	/el	Surfa	ce Eleva	ation		Borel	iole Dia	ameter
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San	ple		1					•								Soil	Proper	ties		
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1 1115 10 than \$1	rm is a Unor i	more	than	1 by 1 \$5	Chapters 144.	147 a nolat	and 162, Wis. Stats. C	ompletion in \$10 or 1	of th nore t	is repo than \$	ort is n 100 or	nan 1m	dator	y. Pen ned no	alties:	Forfeit	t not le davs	SS OF		
both to	r each	viola	tion.	. Е	ach day of cont	ากแอ	d violation is a separate	e ottense	nursu	ant to	se 14	1 40	1 and	167114	5 W/16	State	,	J.		

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State of Wisconsin Department of Natural Resources

WELL/DRILLHOL	E/BOREHOLE A	BANDONMENT
Form 3300-5	2/2000	Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Mana	gement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
Jefferson	Gas Station
Common Well Name SB-4 Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
$\frac{\text{SE}}{\text{Grid Location}} \frac{1/4 \text{ of } \text{NE}}{1/4 \text{ of } \text{Sec. } 4 \text{ ; } \text{T. } 8 \text{ N; R. } 15 \text{ K} \text{ E}} $	Street Address of Well 905 E. Main Street
f. 🗋 N. 🗋 S.,f. 🗋 E. 🗋 W.	City, Village, or Town Watertown, Wi
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long or St Plane ft N. ft F. $\Box \Box \Box Z$ one	Street Address or Route of Owner
Resson For Abandonment WI Unique Well No.	City, State, Zip Code
Sample collection complete of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 1/20/2005 Monitoring Well Water Well Fawell Construction Report is available, please attach.	Pump & Piping Removed? Yes No Not Applicable Liner(s) Removed? Yes No Not Applicable Screen Removed? Yes No Not Applicable Casing Left in Place? Yes No Not Applicable
Construction Type: X Drilled Driven (Sandpoint) Dug Other (Specify)	Was Casing Cut Off Below Surface? Yes No Did Sealing Material Rise to Surface? Yes No Did Material Settle After 24 Hours? Yes No If Yes, Was Hole Retord? Yes No
Formation Type:	Required Method of Placing Sealing Material
X Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	Bentonite Chips)
Casing Depth (ft.)	Sealing Materials For monitoring wells and monitoring wells could also any monitoring wells boreholes only
	Sand-Cement (Concrete) Grout
Was Well Annular Space Grouted?	Clav-Sard Shury (11 lb (gal wt)
If Yes, To What Depth? Peet	Bentonite-Sand Slurry " " Bentonite - Cement Grout
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) No. Yards, (Circle Mix Ratio Sacks Sealant Ore) or Mud Weight
Material recovered from the borehole, bentonite chips	Surface 14
(6) Comments: The borehole was patched with cement	
	······································

(7) Name of Person or Firm Doing Set David Frycek/Inland Env. Remedia	aling Work	Date of Abandonment 1/20/05	FOR I	ONR OR COUNTY USE ONLY	
Signature of Person Doing Work	Dat	e Signed	Date Received	Noted By	
Street or Route	Telephone N	lumber	Comments		
City, State, Zip Code		<u> </u>		,	

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State Depar	of Wisc tment o	consin of Nat	ural R	esc	ources	Route To: Solid Emerg Waste	Waste gency Response water		Haz. W Jnderg Vater I	Vaste groun Resou	nd Tai urces	nks			SOIL BORING LOG INFORMATION Form 4400-122 Rev. 5-92						
Facili	tv/Proie	ect Na	me				fund		Other Lie	cense	/Perr	nit/Mo	nitori	ng N	Jumbe	r	Borin	Page g Num	1	of	
		Gas	Stat	ior	n. 905 E. Ma	in Street.	Watertown, W	Л				<u> </u>							SB-5	·	
Boring	g Drille	d By	(Firm	nai	me and name of	crew chief)	i.		Da	ate Di	rilling	g Starte	d Z O	5	Date	Drilling	Comp	leted	Drilli	ng Met	hod
		Inlar	nd Env	/iro	onmental Reme	lial Services	, Inc./David Fryc	ek				$\frac{1}{D}$	<u>Y</u> .	Y	MI	$\frac{1}{M}$ $\frac{2}{D}$	$\frac{0}{D}$	YY		Geopro	obe
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Boring	g Locat	ion	2.44.45	-		1.2.12.12.12.12.12						F6	eet M	<u>2</u>	Local	Grid L	ocation	(if app	licable)	<u> </u>	inches
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SE	_ 1/4		NE :	. 1/	4 of Section	- 4	. 8 <u>.N.R</u> .	DNR C	County	Cod	e	Civil	Town	/Cit	y/or Vi	illage		<u> </u>		_ Feet	
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S1			Ē		Top 6" Con	crete, Fill co	onsisting of sand,	silt, and g	ravel	I	FILL				1.5						
S2					Silty clay, stain,	, no odor					CL				1.5						
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than \$1 both for	U nor i r each	more viola	than tion.	\$5 Ea	UUU for each the day of con	violation. I tinued viola	fined not less that in a separation is a separ	han \$10 o ate offens	r mor e, pur	re tha	an \$1 at to s	00 or ss 144	1mpi .99 a	nd	ned no 162.06	t less t b, Wis.	han 30 Stats.	days,	.33 0 r		
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State of Wisconsin Department of Natural Resources

WELL/DRILLHOL	E/BOREHOLE A	BANDONMENT
Form 3300-5	2/2000	Page 1 of 2

Notics: Please complete Form 3300-5 and return it to the approplate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a fortelture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Mana	zement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
	Gas Station
Common Well NameSB-5 Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
$\frac{SE}{14} \text{ of } \frac{NE}{NE} \frac{1}{4} \text{ of } \frac{Sec. 4}{Sec. 4} ; T. \frac{8}{N}; R. \frac{15}{NE}$	Street Address of Well
Grid Location	
f. □ N. □ S.,f. □ E. □ W.	Watertown, Wi
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Nft. E. D Zone	
Reason For Abandonment WI Unique Weil No.	City, State, Zip Code
Sample collection complete of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIA
Original Construction Date 1/20/2005	Pump & Piping Removed? 📋 Yes 🗌 No 🗌 Not Applicable
	Liner(s) Removed?
If a Well Construction Report	Screen Removed? Yes No Not Applicable
X Borehole / Drillhole	Casing Left in Place? Yes No
Construction Type:	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? 🔲 Yes 🗌 No
	Did Material Settle After 24 Hours? Yes No
U Other (Specify)	If Yes, Was Hole Recopped? Yes 🗌 No
Formation Type:	Required Method of Placing Sealing Material
X Unconsolidated Formation Bedrock	Canductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Dismeter (in.)	Screened & Poured Other (Explain)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.) 2	Neat Cement Growt monitoring well boreholes only
	Sand-Cement (Concrete) Grout
	Granular Bentonite
If Yes, To What Depth? Feet	Bentonite-Sand Slurry " " Bentonite - Cement Grou
Depth to Water (Feet)	Bentonite Chips Eentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (FL) To (FL) Sacks Sealant One) or Mud Weight
Material recovered from the borehole, bentonite chips	Surface 12
(c) a The barehole was patebod with compart	

(7) Name of Person or Firm Doing Se David Frycek/Inland Env. Remedi	aling Work	Date of Abandonment 1/20/05	FORI	ONR OR COUNTY U	SE ONLY	N - 4
Signature of Person Doing Work	Data	Signed	Date Received	Noted By		
Street or Rouse	Telephone N	umber	Comments			1
City, State, Zip Code						2



Dilip Singh Ecometrica Inc PO Box 1066 Brookfield, WI 53045

ORGANIC REPORT

BATCH NUMBER:	20050670
DATE REPORTED:	27-Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT D:	50052
PROJECT NAME:	BP Gas Station

Sample Number: 36082	QC	Prep Batch N	umber:	1007758		Collection: 1/20/2005	Time: 17:15
Sample ID: GP4-S7		% Solid = 83	.6 %		Sample Des	scription: 12-14'	
Compound	Result	Units	LOD	LOQ	Dilution RQ	Method Analyst	Date Extract/Analyzed
Gas Range Organics	14	mg/kg	3.5	11	1	WIGRO 445037560	/ 1/25/2005

pro Approved By: Date: 29/05 Quality Control Manager

RO Comment

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range. LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations. DNR Analytical Detection Limit Guidance, April 1995.



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Dilip Singh Ecometrica Inc PO Box 1066 Brookfield , WI 53045

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ORGANIC REPORT

BATCH NUMBER:	20050670
DATE REPORTED:	27-Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT ID:	50052
PROJECT NAME:	BP Gas Station

Sample Number: 36078	QCI	Prep Batch N	umber:	1007758			Collection: 1/20/2005	Time: 12:55
Sample ID: GP2-S3	c	% Solid = 8	5.3 %		Sar	mple De	scription: 4'-6'	
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
Gas Range Organics	4.7	mg/kg	3.4	11	1	J	WI GRO 445037560	/ 1/25/2005
Sample Number: 36079 Sample ID: GP1-S1	QC I 9	Prep Batch N % Solid = 88	umber: 3.9 %	1007758	Sar	nple De	Collection: 1/20/2005 scription: 0-2	Time: 14:05
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
Gas Range Organics	< 3.3	mg/kg	3.3	10	1		WI GRO 445037560	/ 1/25/2005
Sample Number: 36080 Sample ID: GP3-S3	QC P %	Prep Batch Nu 6 Solid = 92	umber: 2.6 %	1007758	San	nple De	Collection: 1/20/2005 scription: 4-6'	Time: 15:05
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
Gas Range Organics	< 3.1	mg/kg	3.1	10.0	1		WI GRO 445037560	/ 1/25/2005
Sample Number: 36081 Sample ID: GP5-S3	QC P. %	rep Batch Nu 6 Solid = 86	1mber: .5 %	1007758	Sam	nple Des	Collection: 1/20/2005 cription: 4-6'	Time:16:10
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
Gas Range Organics	< 3.4	mg/kg	3.4	11	1		WI GRO 445037560	/ 1/25/2005



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ORGANIC REPORT

BATCH NUMBER:	20050670
DATE REPORTED:	27-Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT ID:	50052
PROJECT NAME:	BP Gas Station

Sample Number: 36078	QC	Prep Batch !	Number:	1007759)		Collection: 1/20/2005	Time:	12:55
Sample ID: GP2-S3		% Solid = 8	35.3 %		Sa	mple D	escription: 4'-6'		
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Ar	ıalyzed
1,2,4-Trimethyl Benzene	176	ug/kg	g 8.8	28	1		WI PVOC 445037560	1	1/25/200
1,3,5-Trimethyl Benzene	129	ug/kg	g 6.0	19	1		WI PVOC 445037560	/	1/25/200
Benzene	141	ug/kg	g 6.0	19	1		WI PVOC 445037560	/	1/25/200
Ethylbenzene	56	ug/kg	g 7.4	23	1		WI PVOC 445037560	1	1/25/200
MTBE	76	ug/kg	6 .3	20	1		WIPVOC 445037560	/	1/25/200
Toluene	64	ug/kg	7 .2	23	1		WI PVOC 445037560	/	1/25/200
Xylene, O, M & P-	293	ug/kg	g 22	71	1		WIPVOC 445037560	/	1/25/200:
Sample Number: 36079									
	QC	Prep Batch N	lumber:	1007759			Collection: 1/20/2005	Time: 1	14:05
Sample ID: GPI-SI	Q	% Solid = 8	8.9 %		Sar	nple De	escription: 0-2'		
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/An	alyzed
1,2,4-Trimethyl Benzene	< 8.4	ug/kg	8.4	27	1		WI PVOC 445037560	/	1/25/2005
1,3,5-Trimethyl Benzene	< 5.7	ug/kg	5.7	18	1		WI PVOC 445037560	/	1/25/2005
Benzene	< 5.7	ug/kg	5.7	18	1		WI PVOC 445037560	/	1/25/2005
Ethylbenzene	12	ug/kg	7.1	23	1	J	WI PVOC 445037560	/	1/25/2005
MTBE	< 6.1	ug/kg	6.1	19	1		WI PVOC 445037560	/	1/25/2005
Toluene	37	ug/kg	6.9	22	1		WI PVOC 445037560	/	1/25/2005
Xylene, O, M & P-	< 21	ug/kg	21	68	1		WI PVOC 445037560	· /	1/25/2005
Sample Number: 36080	00.5	Detek M		1007750					
	QUP	rep Batch IN	under:	1007739	0		Collection: 1/20/2005	Time: 1	5:05
Sample ID. GP3-S5	0/	6 Solid = 92	.6 %		San	iple Des	scription: 4-6		
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Ana	lyzed
1,2,4-Trimethyl Benzene	13	ug/kg	8.1	26	1	J	WI PVOC 445037560	/	1/25/2005
			5						1



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ORGANIC REPORT

Dilip Singh		
Ecometrica Inc		
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BATCH NUMBER:	20050670
DATE REPORTED:	27-Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT ID:	50052
PROJECT NAME:	BP Gas Station

1,3,5-Trimethyl Benzene	< 5.5	ug/kg	5.5	18	1		WIPVOC 4450	37560	/	1/25/2005
Benzene	< 5.5	ug/kg	5.5	18	1		WIPVOC 4450	37560	1	1/25/2005
Ethylbenzene	15	ug/kg	6.8	22	1	5	WIPVOC 4450	37560	1	1/25/2005
MTBE	< 5.8	ug/kg	5.8	19	1		WI PVOC 4450	37560	/	1/25/2005
Toluene	32	ug/ug	6.6	21	1		WI PVOC 4450	37560	1	1/25/2005
Xylene, O, M & P-	46	ug/kg	21	65	1	J	WIPVOC 4450	37560	1	1/25/2005

Sample Number: 36081	QC Pr	rep Batch N	umber:	1007759			Collection: 1/20/2005	Time: 16:10
Sample ID: GP5-S3	%	Solid = 86	5.5 %		Sar	nple Des	scription: 4-6'	
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
1,2,4-Trimethyl Benzene	< 8.7	ug/kg	8.7	28	1		WIPVOC 445037560	/ 1/25/2005
1,3,5-Trimethyl Benzene	< 5.9	ug/kg	5.9	19	1		WI PVOC 445037560	/ 1/25/2005
Benzene	< 5.9	ug/kg	5. 9	19	1		WI PVOC 445037560	/ 1/25/2005
Ethylbenzene	14	ug/kg	7.3	23	1	ſ	WI PVOC 445037560	/ 1/25/2005
MTBE	< 6.2	ug/kg	6. 2	20	1		WI PVOC 445037560	/ 1/25/2005
Toluene	35	ug/kg	7.1	22	1		WI PVOC 445037560	/ 1/25/2005
Хуlепе, О, М & Р-	32	ug/kg	22	70	1	J	WIPVOC 445037560	/ 1/25/2005

Sample Number: 36082	QC I	Prep Batch N	umber:	1007759			Collection: 1/20/2005	Time: 17:15
Sample ID: GP4-S7	9	% Solid = 83	3.6 %		Sai	nple De	scription: 12-14'	
Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method Analyst	Date Extract/Analyzed
1,2,4-Trimethyl Benzene	78	ug/kg	9.0	29	1		WI PVOC 445037560	/ 1/25/2005
1,3,5-Trimethyl Benzene	60	ug/kg	6.1	19	1		WI PVOC 445037560	/ 1/25/2005
Benzene	38	ug/kg	6.1	19	1		WI PVOC 445037560	/ 1/25/2005
Ethylbenzene	13	ug/kg	7.5	24	1	ſ	WI PVOC 445037560	/ 1/25/2005
MTBE	< 6.5	ug/kg	6.5	21	1		WI PVOC 445037560	/ 1/25/2005
Toluene	84	ug/kg	7.3	23	1		WI PVOC 445037560	/ 1/25/2005
Xylene, O, M & P-	108	ug/kg	23	72	1		WIPVOC 445037560	/ 1/25/2005



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Dilip Singh

Ecometrica Inc PO Box 1066 Brookfield, WI 53045

ORGANIC REPORT

BATCH NUMBER:	20050670
DATE REPORTED:	27-Jan-05
DATE RECEIVED:	21-Jan-05
SAMPLE TEMP (C):	20c
PROJECT ID:	50052
PROJECT NAME:	BP Gas Station

Date: 1 127105 Approved By: Quality Control Manager

RQ Comment

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations. DNR Analytical Detection Limit Guidance, April 1995.



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