
SITE INVESTIGATION

For
DICK'S AUTO SALES
1904 North First Street
Yakima, Washington 98901

PREPARED BY

ROBERT M. RODMAN
ENVIRONMENTAL CONSULTANT
BSME, Certified Environmental Site Assessor, Licensed Site Supervisor
Certified Regulatory Compliance Specialist
19136 Viking Way NW, Poulsbo, Washington 98370
Phone/Fax: (360) 779-6911

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Dept of Ecology
Central Regional Office

DICK'S AUTO SALES

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DICK'S AUTO SALES

INTRODUCTION

Robert M. Rodman, environmental consultant, certified environmental site assessor and licensed underground storage tank (UST) site supervisor, was retained to perform a site investigation for the presence of hydrocarbon contamination at Dick's Auto Sales, 1904 N. First Street, in Yakima Washington.

The scope of work for this site investigation included the following;

- Visual inspection of the site.
- Collection of water samples for laboratory analysis utilizing a Strataprobe drilling truck.
Placement of the samples in sterilized 4-ounce jars with Teflon lid seals, delivery of the properly labeled and sealed samples to an accredited laboratory in an insulated chest containing ice packs and execution of a proper chain of custody following all EPA established sample handling protocols.
- On site analysis of soil samples collected utilizing a Photo Ionization Detector (PID).
- Comparison of PID and laboratory analyses with cleanup standards contained in the Washington State Model Toxics Control Act (MTCA), Method A (Soil);
- Preparation of a report containing findings and conclusions

Procedures used were consistent with those outlined in the Washington Department of Ecology (WDOE) publication, *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*, revised edition, October, 1992.

DICK'S AUTO SALES

SITE DESCRIPTION

The site is located on the West side of North First Street approximately 1/4 mile South of the junction of Highway 12 and Interstate Highway 82 on the Northwest side of Yakima, Washington. (See Figure 1)

The site is occupied by a one story structure with two service bays and a sales office. The site has been utilized as a used car sales lot and automobile tire sales for over 20 years.

Located approximately ten feet from the East wall (Front) of the sales office was a 200 to 300 gallon, steel underground storage tank (UST) which was utilized to store heating oil. This UST has been removed for over 15 years.

Located approximately ten feet from the West wall (Rear) of the service bays, was a 1000 to 1500 gallon, steel underground storage tank (UST) which was utilized to store gasoline for on site consumption. This UST has also been removed for over 15 years.

The site is located in a commercial area and is bordered on the East side by First Street and is surrounded on the other three sides by property belonging to the All Star Motel, which is to the West side (Rear) of the site structure. Located approximately 200 feet to the South of the site is an active gasoline station.

The site is predominantly asphalt covered with plants and grass around the borders.

No discolored soils, hydrocarbon odors or stressed vegetation were observed.

SITE INVESTIGATION ACTIVITIES

Eight boring's were performed with soil samples taken every 2 feet of depth, placed in a Ziplock bag, warmed and then field analyzed for hydrocarbons utilizing a MultiRAE, Model PGM-50 Photo Ionization Detector.

Each sample was also sheen tested (Soil sample is placed in a black plastic pan and clean water is poured over the sample, if the surface of the water develops any type of sheen, hydrocarbon or chemical contamination is indicated).

If any PID readings would have exceeded 20 ppm (parts per million) the soil sample being tested would have been sent to an accredited analytical laboratory for analysis.

The boring identified as **DA-B1**, was advanced to a depth of 12 feet (Water was encountered at a depth of 8 feet). The boring was performed in the area of the former gasoline UST. Two water samples were taken from this boring.

The sample identified as **DA-B1-WD** was tested for diesel fuel and heating oil using the test method **WTPH-D**. The sample identified as **DA-B1-W** was tested for gasoline using the test method **WTPH-G**. This sample was also tested for the gasoline constituents Benzene, Toluene, Ethyl benzene, and, Xylenes (**BTEX**).

No discolored soils or, hydrocarbon odors were encountered during boring activities.

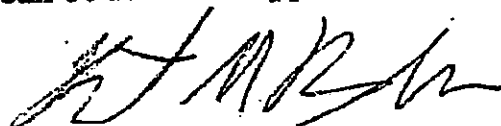
Sample locations can be found on Figure 2

FINDINGS and CONCLUSIONS

Analytical data obtained from sheen testing and, PID analyses indicate there is no detectable hydrocarbon contamination at this site. Laboratory analysis indicate no detectable hydrocarbons in the ground water.

PID analyses can be found in the Boring Log and PID Analytical Results

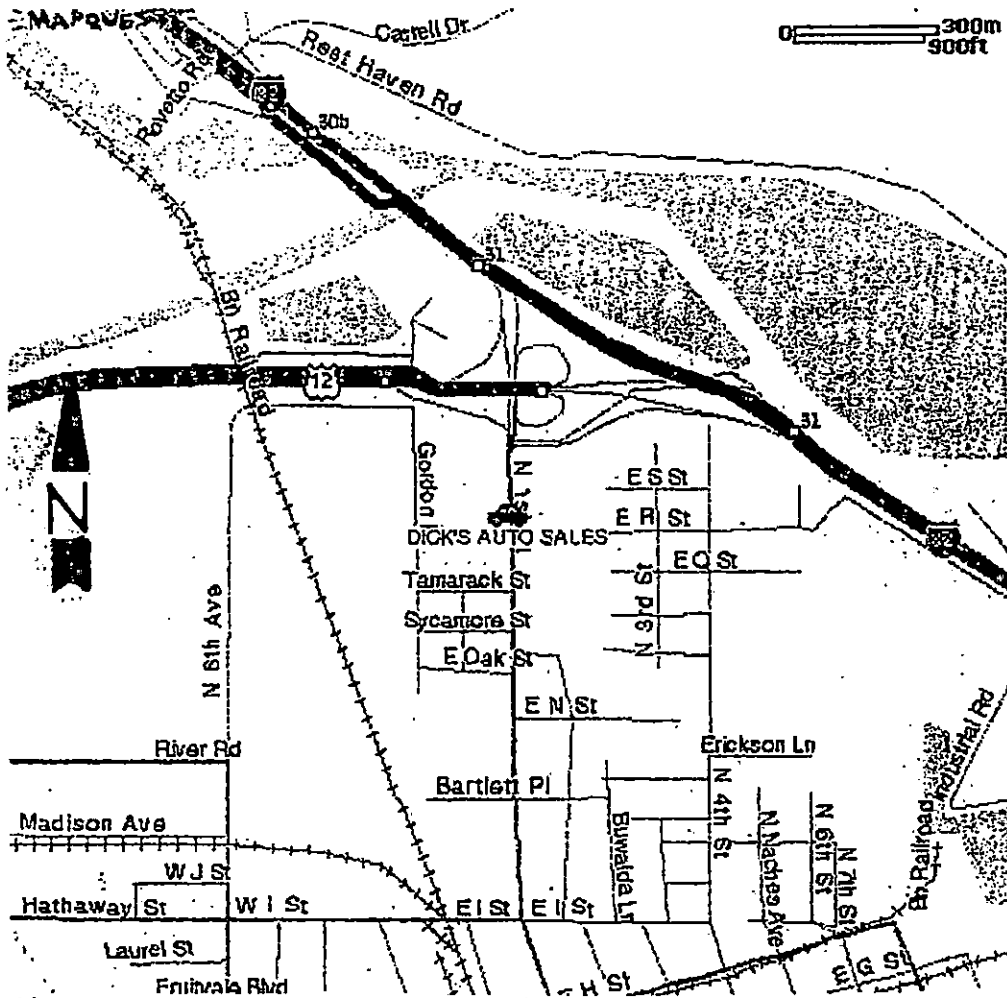
Laboratory analytical results and chain of custody can be found in Appendix A



Robert M. Rodman BSME
Environmental Consultant

Dicks Auto Sales
1904 North First Street
Yakima, Washington 98901

1904 N 1st St, Yakima, WA, 98901-1734, US



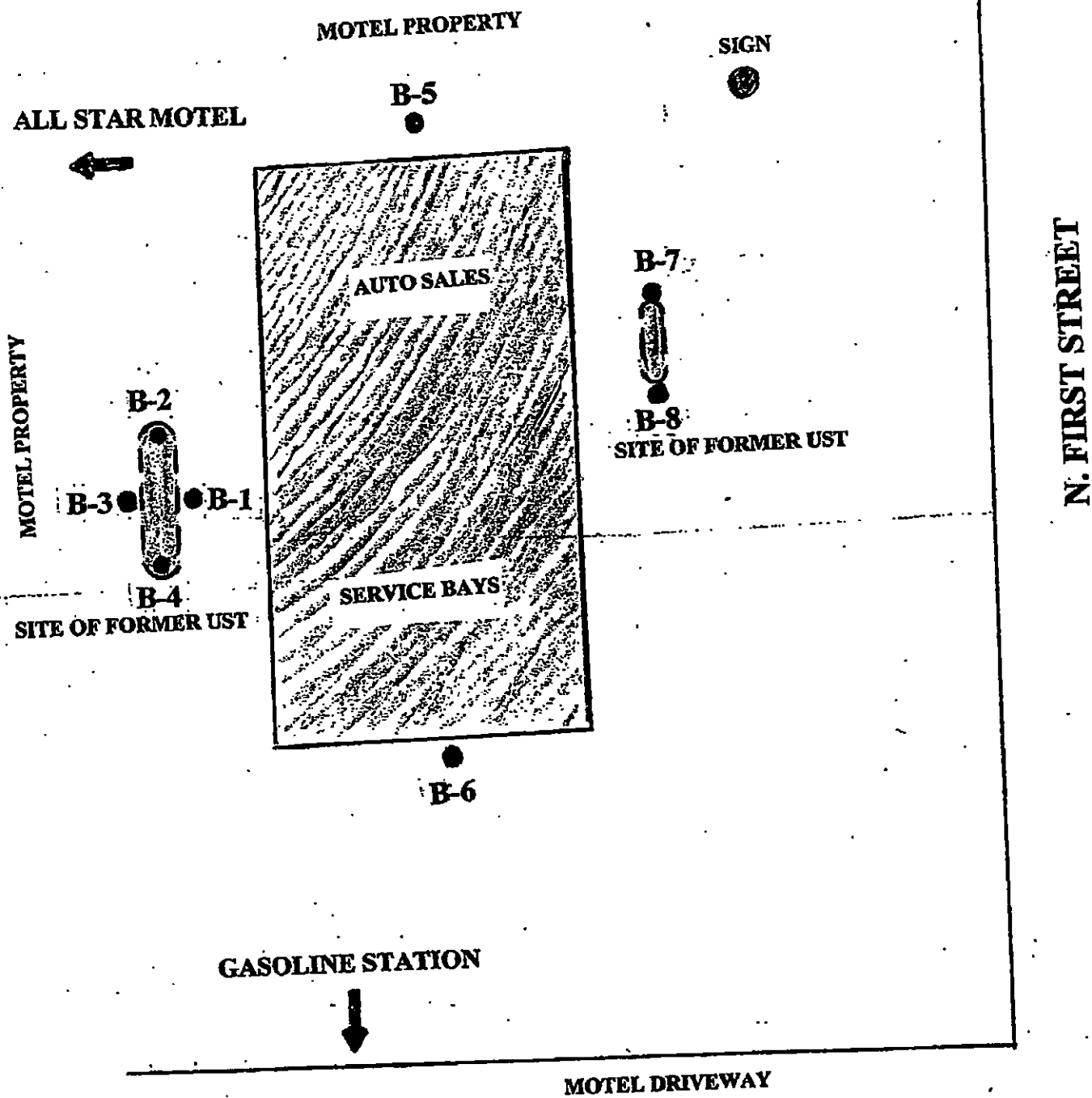
SITE LOCATION

Figure 1

**Dicks Auto Sales
1904 North First Street
Yakima, Washington 98901**

**BORING LOG
and
PID ANALYTICAL RESULTS**

Dicks Auto Sales
1904 North First Street
Yakima, Washington 98901



SAMPLE LOCATIONS

Figure 2

DICK'S AUTO SALES

1904 N. First Street Yakima, Washington 98901

Boring Log and PID Analytical Results

PLE	DEPTH (In Feet)	PID ANALYSIS	SHEEN TEST ANALYSIS	COMMENTS
.1	2	ND	ND	No odor
.1	4	ND	ND	No odor
.1	6	ND	ND	No odor
.1	8	ND	ND	No odor, Water encountered
.1	10	ND	ND	No odor
.1	12	ND	ND	No odor
.2	2	ND	ND	No odor
.2	4	ND	ND	No odor
.2	6	ND	ND	No odor
.2	8	ND	ND	No odor, Water encountered
.3	2	ND	ND	No odor
.3	4	ND	ND	No odor
.3	6	ND	ND	No odor
.3	8	ND	ND	No odor, Water encountered
.3	10	ND	ND	No odor
.4	2	ND	ND	No odor
.4	4	ND	ND	No odor
.4	6	ND	ND	No odor
.4	8	ND	ND	No odor
.5	2	ND	ND	No odor
.5	4	ND	ND	No odor
.5	6	ND	ND	No odor
.5	8	ND	ND	No odor
.6	2	ND	ND	No odor
.6	4	ND	ND	No odor

-6	6	ND	ND	Rejected, No odor
-7	2	ND	ND	No odor
-7	4	ND	ND	No odor
-7	6	ND	ND	No odor
-7	8	ND	ND	No odor
-8	2	ND	ND	No odor
-8	4	ND	ND	No odor
-8	6	ND	ND	Rejected, No odor

= No Detection (PID reading less then 20 ppm)
 eted = Rock or other object prevented advancement

**Dicks Auto Sales
1904 North First Street
Yakima, Washington 98901**

APPENDIX A

LABORATORY ANALYTICAL RESULTS

and

CHAIN of CUSTODY

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

DICK'S AUTO PROJECT
Yakima, Washington
Dick's Auto Sales

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Water

Sample Number	Date Analyzed	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	Gasoline (ug/l)	Surrogate Recovery (%)
Method Blank	5/24/99	nd	nd	nd	nd	nd	102
DA-B1-W	5/24/99	nd	nd	nd	nd	nd	118
Method Detection Limits		1	1	1	1	100	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY: Tim McCall, Michael Dee, & Chantel Kamm

DATA REVIEWED BY: Mike Korosec

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

DICK'S AUTO PROJECT
Yakima, Washington
Dick's Auto Sales

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (ug/l)	Oil (ug/l)
Method Blank	5/24/99	97	nd	nd
DA-B1-WD	5/24/99	102	nd	nd
Method Detection Limits			200	400

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Tim McCall, Michael Dee, & Chantel Kamm
DATA REVIEWED BY: Mike Korosec

