

WORKSHEET 1
Summary Score Sheet

SITE INFORMATION:

Name: Ag Supply Company of Wenatchee
Address: 1115 North Wenatchee Avenue
City: Wenatchee County: Chelan State: WA Zip: 98801
Section 34 / Township 23N / Range: 20E
Latitude: 47 deg 26.281 min N Longitude: 120 deg 19.262 min W



TCP ID #: 16422326

Site scored/ranked for the 08/23/06 update

SITE DESCRIPTION (management areas, substances of concern, and quantities):

The Ag Supply Company is located in a commercial area in the north end of Wenatchee approximately 1600 feet west of the Columbia River. Ag Supply sells gasoline, diesel fuel and propane, as well as farm chemicals, hardware and pet supplies. A number of private irrigation wells are located within one mile of the site, but public drinking water wells are located more than five miles to the north near Rocky Reach dam.

On January 18, 2000, approximately 275 gallons of number 1 diesel fuel were accidentally released at the bulk fuel plant located at Ag Supply. The fuel overflowed from a tank into a secondary containment area. The operator unsuccessfully attempted to recover the fuel with a pump. On February 14, 2000, the City of Wenatchee Wastewater Plant reported that petroleum products were being found in wastewater. Further investigation revealed that a mixture of diesel fuel and snowmelt water had flowed along the soil surface to a sanitary sewer manhole where it entered the wastewater plant. The source of the contamination appeared to be the Ag Supply facility.

On April 5, 2000, a site visit and Initial Investigation were completed by Dick Bassett from the Washington State Department of Ecology Central Regional Office (CRO). During this visit several areas of petroleum-stained soils were observed. Based upon these observations, a recommendation was made that an independent cleanup of the site be done which would include sampling and analysis for possible contaminants, in addition to remediation of the site. An Early Notice Letter was sent by Dick Bassett on April 18, 2000, to Ag Supply Company.

In April 2000 Ag Supply Company contacted West Central Environmental Consultants to assist with the investigation and remediation of the site. A backhoe was used to prepare several test pits along the spill track. A photoionization (PID) detector was used to screen soils every 3-4 feet along the track. There was no evidence of any contamination based upon PID readings, lack of odor, and absence of any soil discoloration. One composite soil sample was obtained from the spill track which was submitted to Sound Analytical Services for hydrocarbon identification analysis. Results are shown on the following page:

Ag Supply Co Final SHA July 17, 2006

Parameter Name	Sample result (mg/kg)	MTCA Method A (mg/kg)
Gasoline range (toluene-C12)	>21	100
Diesel range (C12-C24)	>52	2000
Motor oil range (C24-C32)	>100	2000

These results are inconclusive since it is not possible to determine if the values exceed the Model Toxics Control Act (MTCA) Method A soil cleanup levels. Therefore a Site Hazard Assessment (SHA) scoring will be done.

Special Considerations:

Because the entire spill area is paved with asphalt, the surface water and air routes are not applicable for WARM scoring for this site. Thus, only the groundwater route will be scored.

ROUTE SCORES:

Surface Water/Human Health:	<u>NS</u>	Surface Water/Environmental.:	<u>NS</u>
Air/Human Health:	<u>NS</u>	Air/Environmental:	<u>NS</u>
Groundwater/Human Health:	<u>11</u>		

OVERALL RANK: 5

WORKSHEET 2
Route Documentation

1. **SURFACE WATER ROUTE** – *Not Scored*

2. **AIR ROUTE** – *Not Scored*

3. **GROUNDWATER ROUTE** – *or Not Scored*

- a. List those substances to be considered for scoring: Source: 1

Gasoline, diesel

- b. Explain basis for choice of substance(s) to be used in scoring:

The West Central Environmental Consultants report contained results showing that gasoline and diesel were present in the soil at concentrations that were unable to be determined to be less than their respective MTCA cleanup levels.

- c. List those management units to be considered for scoring: Source: 1

Contaminated soil

- d. Explain basis for choice of unit to be used in scoring:

Gasoline and diesel contamination was confirmed by laboratory testing.

WORKSHEET 6

Groundwater Route

1.0 SUBSTANCE CHARACTERISTICS

1.2 Human Toxicity										
Substance		Drinking Water Standard (µg/L)	Value	Acute Toxicity (mg/ kg-bw)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity		Value
								WOE	PF*	
1	TPH-gasoline	5	8	3306	3		ND	A	.029	5
2	TPH-diesel	160	4	490	5	0.004	3	ND	ND	
3										
4										
5										
6										

* Potency Factor

Source: 1,4,5**Highest Value: 8**

(Max = 10)

Plus 2 Bonus Points? 0**Final Toxicity Value: 8**

(Max = 12)

1.2 Mobility (use numbers to refer to above listed substances)	
Cations/Anions	OR Solubility (mg/L)
1=	1= 1800 (=3)
2=	2= 30 (=1)
3=	3=
4=	4=

Source: 1,4,5**Value: 3**

(Max = 3)

1.3 Substance Quantity:	
Explain basis: Unknown, use default value = 1	Source: <u>5</u> Value: 1 (Max=10)

2.0 MIGRATION POTENTIAL

		Source	Value
2.1	Containment (explain basis): Spill, discharge to soil, score as landfill capped = 1, no liner = 3 , no leachate collection = 2	1,5	6 (Max = 10)
2.2	Net precipitation: 5.7 minus 3.0 = 2.7 inches	6	1 (Max = 5)
2.3	Subsurface hydraulic conductivity: silty clay	2,5	2 (Max = 4)
2.4	Vertical depth to groundwater: 120 feet	3,5	3 (Max = 8)

3.0 TARGETS

		Source	Value
3.1	Groundwater usage: public supply; no alternate unthreatened sources available with minimal hookups	5,7	9 (Max = 10)
3.2	Distance to nearest drinking water well: <u>~4000</u> feet	5,8	2 (Max = 5)
3.3	Population served within 2 miles: $\sqrt{\text{pop.}} = \sqrt{30} = 5.47$	5,7	5 (Max = 100)
3.4	Area irrigated by (groundwater) wells within 2 miles: $(0.75) * \sqrt{253} \text{ acres} = \underline{11.9}$	5,7	12 (Max = 50)

4.0 RELEASE

		Source	Value
	Explain basis for scoring a release to groundwater: Released not confirmed	1,5	0 (Max = 5)

SOURCES USED IN SCORING

1. West Central Environmental Consultants report dated June 30, 2000
2. Soil Survey of Chelan County, Washington (USDA).
3. Water well reports on file at Chelan-Douglas Health District
4. Washington Department of Ecology, Toxicology Database for Use in Washington Ranking Method Scoring, January 1992.
5. Washington Department of Ecology, WARM Scoring Manual, April 1992.
6. Washington Climate – Net Rainfall Table
7. Water Rights Application Tracking System (WRATS) printout for two-mile radius of site.
8. Washington Department of Ecology Well Log Image system.



Pointer 47°26'19.12" N 120°19'21.78" W elev 668 ft

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Streaming 100%

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Eye alt 16778 ft