

### WORKSHEET 1 SUMMARY SCORE SHEET

Site Name/Location (Street, City, County, Section/Township/Range, TCP ID Number):

Fifth Wheel Truck Repair 307 East Arlington Yakima, Yakima county, WA 98901 Sec. 30/T13N/R19E Ecology ID No.: C-39-2089-000

#### Site Description (Include management areas, substances of concern, and quantities):

The Fifth Wheel Truck Repair facility, owned by Hahn Motors Company, is located within the Yakima Railroad Area, as established by Ecology in response to the discovery of tetrachloroethylene (PCE) in the ground water beneath the area. The site was identified by Ecology as a Potential Liable Party (PLP) for the presence of PCE in soil and ground water beneath the site.

The facility includes the Fifth Wheel Truck Repair and the S&S Auto Body shops housed within one 14,000 square foot building located at 307 and 309 East Arlington Street in Yakima. The repair shop occupies the west half of the building and is comprised of a truck repair area, a storage room, and offices. Waste fluids generated at the facility drain into a subfloor oil/water separator which is connected to the city sewer system. An interior catch basin was used to collect liquid wastes from the repair area prior to installation of the oil/water separator.

The interior catch basin was removed from the facility during 1991 along with sludge and soil contaminated with petroleum hydrocarbons and PCE. A dry well at the back parking lot of Fifth Wheel Truck Repair was also contaminated with petroleum hydrocarbons and was removed in 1991. A new dry well replaced the old well, and collects runoff from the back parking lot. Since 1989 several environmental investigations of Fifth Wheel Truck Repair have occurred. Sampling/analytical results indicated petroleum and PCE contaminated soil under the floor of the facility and detectable concentrations of PCE and metals in the groundwater.

Special Considerations (Include limitations in site file data or data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site, or any other factor(s) over-riding a decision of no further action for the site):

This site will be assessed/scored/ranked based on the groundwater route only. The surface water and air routes will not be scored due to all on-site surface water runoff being collected by stormwater drains which either drain to the ground, or connect with a sewer system following passage through an oil/water separator.

#### ROUTE SCORES:

Surface Water/Human Health:	<u>NS</u>
Air/Human Health:	NS
Ground Water/Human Health:	45.2

Surface Water/Environ.: NS Air/Environmental: NS

OVERALL RANK: 3.

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## WORKSHEET 2 ROUTE DOCUMENTATION

1. SURFACE WATER ROUTE

Route not scored.

2. AIR ROUTE

Route not scored.

3. GROUND WATER ROUTE

List those substances to be <u>considered</u> for scoring: Source:<u>1-3</u> Tetrachloroethylene (PCE)

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

Analytical results from soil samples.

List those management units to be <u>considered</u> for scoring: Source:<u>1-3</u> Contaminated surface soil.

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

Chemical analyses of on-site soils indicated significant concentrations of PCE.

## WORKSHEET 3 (If Required) SUBSTANCE CHARACTERISTICS WORKSHEET FOR MULTIPLE UNIT/SUBSTANCE SITES <u>Combination 1</u> <u>Combination 2</u> <u>Combination 3</u>

#### Unit: Section Not Applicable.

**1. SURFACE WATER ROUTE** Substance(s): Human Toxicity Value: Environ. Toxicity Value: Containment Value: Rationale: \_\_\_\_ \_\_\_\_\_\_ Surface Water Human Surface Water Environ. <u>2.</u> AIR ROUTE Substance(s): Human Toxicity/Mobility Value: Environ. Toxicity/ Mobility Value: Containment Value: Rationale: ------Air Human Subscore: (+3)(+1) = (+3)(+1) = (+3)(+1) =( )( ) = \_\_\_\_ ( )( ) = \_\_\_\_ ()() = 

 Air Environ. Subscore:
 (+3)(+1) = (+3)(+1) = (+3)(+1) = 

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3. GROUND WATER ROUTE Substance(s): Human Toxicity Value: Containment Value: Rationale: Ground Water Subscore: (+3)(+1) = (+3)(+1) =( +3) ( +1) = ()() = ()() = ()() = ()() = ()()

Based on their respective highest scoring toxicity/containment combinations, the following management units will be used for route scoring:

Surface Water -Air -Ground Water -

(Note, since the surface water route was not scored, WORKSHEETS 4 and 4 are not used.)

# WORKSHEET 6 GROUND WATER ROUTE

## 1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

<u>Subs</u> 1. F	itance CE	Drinking Water Standard <u>(uq/l)</u> <u>Val</u> 5 8	Acute Toxici <u>(mq/kq-bw)</u> 800			y <u>) Val.</u>	gen <u>WOE</u>	ccino- nicity <u>PF</u> 3 .051=5	
*Pot	ency Factor					Highest	Source t Value	e: <u>1,2,4</u> e: <u>8</u> (Max.=1)	0)
					+ Fi	Bonus nal To:	Points <b>kicity</b>	S? Value: (Ma	$\frac{8}{3x} = 12$
1.2	Mobility (Use Cations/Anion	e numbers to us:	o refer to a	bove 1:	ated subs	tances	l l		
	OR Solubility(mg								
1.3	Substance Qua Explain basis	ntity: <u>Unkr</u>	10wn; use de	fault	<u>ralue = 1</u>	Source	: <u>1,2,5</u>	Value: (Ma	<u>1</u> ax.=10)
2.0	MIGRATION POI	ENTIAL	· · · ·						
2.1	Containment Explain basis		soil = 10	contami	.nated	Source	: <u>1-3</u>	Value: : (Mai	<u>10</u> x.=I0)
2.2	Net Precipita	tion:	1.7	incł	1es	Source	:6	Value: (Ma	$\frac{1}{ax.=5}$
2.3	Subsurface Hy	draulic Cor	nductivity:	Sand/gi	avel	Source	: <u>1,2</u>	Value:	<u>4</u> ax.=4)
2.4	Vertical Dept	h to Ground	d Water:	< 25	<u>feet</u>	Source	1,2	Value: (Ma	<u>8</u> ax.=8)

## WORKSHEET 6 (CONTINUED) GROUND WATER ROUTE

3.0 TARGETS

3.1	Ground Water Usage: Pub./priv./unthr.alt.avail.	Source: <u>1,2,7</u>	Value: <u>4</u> ( <u>Max.=</u> 10)
3.2	Distance to Nearest Drinking Water Well:< 600 ft	Source: 7	Value: 5 (Max.=5)
3.3	Pop. Served within 2 Miles: $\sqrt{pop.=\sqrt{3802=61.6=62}}$	Source: 7	Value: <u>62</u> (Max.=I00)
3.4	Area Irrigated by (Groundwater) Wells within 2 miles: $0.75\sqrt{no.acres} = $ $0.75\sqrt{418.5} = 15$	Source: <u>8</u>	Value: <u>15</u> (Max.=75)
4.0	RELEASE		

Explain basis for scoring a release to ground swater: Documented by analytical data.

Source: <u>1,2</u> Value: <u>5</u> (Max.=5)

## SOURCES USED IN SCORING

- 1. Preliminary Integrity Assessment of Two Underground Storage Tanks (USTs) and Three Industrial Waste Water Sumps, 1201 South First Street and 307 East Arlington Street, Yakima, Washington, Earth Consultants, October, 1989.
- 2. Fifth Wheel Truck Repair Facility Environmental Investigation and Remediation, Maxim Technologies,
- 3. Ecology letter to Earth Consultants, February 1990.
- 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. See attached table identified as Reference 6.
- 7. DOH Public Water Supply System Listing.
- 8. Ecology Water Rights Information System (WRIS).