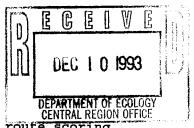
WASHINGTON RANKING METHOD

ROUTE SCORES SUMMARY AND RANKING CALCULATION SHEET

For Sites With No Sediment Route Migration Pathways

Site name	: WAD	OT - Rimrock	<	Region	n:	CI	٥2			
Street, c	ity, count	y: Naches	<u>, y</u>	a kim	<u> </u>				• .	
This site quintile	was (X) values fro	ranked, () re m a total of <u>39</u>	ranked, <u>90</u> asses	on <u>Mai</u> sed/sco	rch :	l <u>. 19</u> site	94 t s.	oase	ed o	n
<u>Pathway</u>	Route Score(s)	Quintile Group number(s		<u>Priorit</u>	_		i			
SW-HH	<u> </u>			6 + 0 H ² + 2N 8			<u>k</u> /8	<u>-</u>	2	
Air-HH	24			, -		_	-			- .
GW-HH	<u> 51.0</u>	<u> </u>		0+	-6					
SW-En	2%_			H2 4	<u> </u>	- '	1/7=	8 =	N	A
Air-En	NS	9		7	7	_	-			-
Use the ma	atrix près	ented to		Human Health	ı	Env	iror			<i>¥</i>
the right	, along wi	th the two				<u> </u>		2_		<u>1/A</u>
site rank	scores, to	determine the refers to where		5		1 1	1	1	1	1
there is a	no applical	ble pathway.	1	4 3		1 2 1 2 2 3 2 3	2	2	3 /•	4
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			,	1		2 3	4	5	5	5
				N/A		3 4	5	5	5 N	IFA
DRAFT / (FINAL	√		-						
Matrix ("l	oin") Rank:	ing:	_, or	,	No	Furt	ner	Act	ion	
CONFIDENCE	E LEVEL: T	ne relative pos	- ition of		•		-			n is:
	X_ _¹	almost into the right in the mi almost into the	ddle, ur	likely	to	ever	cha	nge		
I:\Warsccal Rev. 1/28/94										



WORKSHEET 1 SUMMARY SCORE SHEET

Note: This document currently has no provision for sediment route scoring.

Site Name/Location (City, County, Section/Township/Range):

DOT-Rimrock
Junction of Highways 12 & 410
Naches, WA 98937

Parcel number: R16, T15, S35

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

In May of 1991, the Washington State Department of Transportation had a 500 gallon unleaded tank and a 1500 gallon diesel tank removed from below the ground at the site. Accessible soils were removed and remediated, but some soils underneath the existing structure at the site were left in place on the condition that when the structure was removed, the soils would be excavated and remediated. These remaining soils exceeded MTCA clean up levels for TPH-gasoline and TPH-diesel. The structure is no longer there and there is no evidence that any further clean up has occurred. This site affects only the ground water pathway.

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):

In scoring this site, we are assuming that both contaminants are in the ground beneath the old building site (underneath a concrete pad).

ROUTE SCORES:			
Surface Water/Human Health:	;	Surface Water/Environ.:	i
Air/Human Health:	;	Air/Environmental:	i
Ground Water/Human Health:	_51.0		
	OVERALL RANK:	5	

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WORKSHEET 2 ROUTE DOCUMENTATION

1. SURFACE WATER ROUTE

List substances to be considered for scoring:

N/A-not scored

2. AIR ROUTE

List substances to be considered for scoring:

N/A-not scored

3. GROUND WATER ROUTE

List substances to be considered for scoring:

TPH-Gasoline and TPH-Diesel

Source: 1

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

These were the contaminants found which exceeded MTCA clean up levels.

List management units to be considered in scoring:

Contaminated soil.

Source: <u>1, 3</u>

Explain basis for choice of unit used in scoring.

TPH-diesel and TPH-gasoline were found in soil samples and exceeded MTCA clean-up standards. It was the only unit found during the investigation.

SUBSTANCE CHARACTERISTICS WORKSHEET FOR MULTIPLE UNIT/SUBSTANCE SITES

Not Applicable

SURFACE WATER ROUTE

Not Applicable-not scored

AIR ROUTE

Not Applicable-not scored

GROUND WATER ROUTE

- 1.0 SUBSTANCE CHARACTERISTICS
- 1.1 Human Toxicity

		Drink	ing						
		Water		Acute		Chronic	Carcino-		
	Standard		Toxicity		Toxicit	genicity			
Sub	stance	(ug/1)	<u>Val.</u>	(mg/kg-bw)	<u> Val.</u>	(mg/kg/day	<u>) Val.</u>	WOE PF*	<u>Val.</u>
1.	TPH-gas	5	8	3306	3	x	-	A .029	5
	(from benzen	e)							
2.	TPH-diesel	20	6	490	5	.004	3	$N\!D$	$N\!D$
	(from naphth	alene)							

Source: 2

*Potency Factor

Highest Value: 8

+2 Bonus Points? 2

Final Toxicity Value: 10

1.2 Mobility (Use numbers to refer to above listed substances)

Cations/Anions______ Source:_____ Value:

OR

Solubility(mg/l) 1. 1.8E+03 2. 3.0E+01 Source: 2 Value: 3

1.3 Substance Quantity <u>default value of < 10 cu.yd.</u> Source: <u>1.3 Value: 1</u>
Explain basis: <u>The exact amount of petroleum contaminated soil beneath the old building site is not known.</u>

2.0 MIGRATION POTENTIAL

- 2.1 Containment Source: 1.4 Value: 10 Explain basis: Spills/discharges/contaminated soil always rank 10.
- 2.2 Net Precipitation: <u>2.6 inches</u> Source: <u>5</u> **Value:** <u>1</u> Calculated from October 1 to March 31 using Yakima numbers.
- 2.3 Subsurface Hydraulic Conductivity: >10-3 Source: 3, 4 Value: 4
- 2.4 Vertical Depth to Ground Water: <u>0 feet</u> Source: <u>1, 3, 4 Value: 8</u>
 Ground water is less than 25 feet deep in this area.

3.0 TARGETS

3.1 Ground Water Usage: Public supply: no non-threatened alternative

Source: 6, 4 Value: 9

- 3.2 Distance to Nearest Drinking Water Well: 470 ft Source: 3,4 Value: 5
- 3.3 Population Served within 2 Miles: 771-2 = 28 Source: 7.4 Value: 28
- 3.4 Area Irrigated by (Groundwater) Wells
 within 2 miles: __.75(963⁻²)=23 Source: 7 Value: 23
- 4.0 RELEASE

Explain basis for scoring a release to ground Source: 1 Value: 5

WDOT soil sample test data indicates presence of gasoline and diesel above MTCA clean up levels.

SOURCES USED IN SCORING

- Washington State Department of Transportation, Cleanup Action for the WSDOT Property at Rimrock, October 1991
- 2. Toxicology Data Base for Use in Washington Ranking Method Scoring, January 1992
- 3. Site visit by Yakima Health District staff on October 22, 1993
- 4. Washington Ranking Method, Scoring Manual, April 1992
- 5. Washington Climate for Grant, Kittitas, Klickitat and Yakima Counties, May 1979
- 6. WDOE Water Rights Information System (WRIS)
- 7. Yakima County Council of Governments Census Maps Data