WASHINGTON RANKING METHOD

ROUTE SCORES SUMMARY AND RANKING CALCULATION SHEET

Site name	Peder	ion Frye	N	Region	:	C	RO		
City, cou	$nty: \frac{}{}$	lon Frye . Kma, Ya	Kima	.				٠,	
	was ranked sed/scored	on <u>August 12,</u> sites.	<u>1991</u> ,	based o	n quir	tile	val	ues :	from
<u>Pathway</u>	Route Score(s)	Quintile Group number(s))	Priorit	y scor	es:			
SW-HH	NS			2 5 + (H ² + 2M 8	† 6 + L =	31	/g =	3. P	-4
Air-HH	14.0			8		-	·	7	-
GW-HH	66.6								•
Sed-HH				1 -1	- n ·				
SW-En	NS_	<u> </u>		H ² +	2L -	1/-	ء ا	1	
Air-En			•	. 7				<u> </u>	-
Sed-En					•				
				Human Health		nvir	onme	nt	
	atrix preser				5_	4	3 2	<u> 1 N</u>	<u>1/A</u>
	along with	i the two determine the		5	1	1	1 1	1	1 .
		efers to where		4	ī	2	$\frac{1}{2}$	(3)	4
	no applicabl			3	1	2	3 4	5 5 5	5
		-		2	2	3	4 4	5	5
				1	2	3	4 5	5	5
				N/A	3	4	5 5	5	5
DRAFT /	FINAL				•				
Matrix ("b	oin") Rankir	ng: <u>3</u>	_, or		No Fu	rthe	r Ac	tion	
CONFIDENCE	LEVEL: The	relative posi	tion o	f this	site w	ithi	n th	is bi	n is:
	ri	most into the ght in the mid most into the	ldle, u	nlikely	to ev	er c	hange	Э.	

WORKSHEET 1 SUMMARY SCORE SHEET

	Site Name: PEDERSON FRYE	iR		,	
-	Site Location: (City, County, or	r Section/Township/	Range)		
	1401 Birchfield Rd. Yakima, WA., Yakima County				
	Site Description: (Include man	agement areas, con	npounds of concern, a	nd quantities)	
	This former farmstead is now a from the site along with approx	cold storage chicke ximately 3,000 yds³	n distribution center. T of contaminated soil.	wo USTs have bee	n removed
	Quantity: Remaining contamin quantity.	ated soil volume unl	known. Air and ground	water scored using	g unknown
,	Special Considerations: (Include model, but which are important				ated in the
	Surface water route not scored piled on site. Open pit presen				avated and
·					
	ROUTE SCORES:				
	Ground Water/Human:	58.6	Overall Rank:	. —	 .
	Surface Water/Human:	_NS			
	Air/Human:	<u>-22-0- 14.0</u>			
	Air/Environmental:				
	Surface Water/Environmental:	<u>NS</u>			•
		·			
	•				
			,		
٠					

WORKSHEET 2 ROUTE DOCUMENTATION

SURFACE WATER ROUTE	
List substances to be considered for scoring.	Source:
Explain basis for choice of substances to be used in scoring.	
List management units to be <u>considered</u> in scoring:	Source:
Explain basis for choice of unit used in scoring.	
	· · · · · · · · · · · · · · · · · · ·
AIR ROUTE	•
AIN NOOTE	•
	Source:
List substances to be considered for scoring. BTEX	Source:
List substances to be considered for scoring.	Source:
List substances to be <u>considered</u> for scoring.	Source:
List substances to be considered for scoring. BTEX Explain basis for choice of substances to be used in scoring.	Source:
List substances to be considered for scoring. BTEX Explain basis for choice of substances to be used in scoring. Known contaminants	
List substances to be considered for scoring. BTEX Explain basis for choice of substances to be used in scoring. Known confaminants List management units to be considered in scoring:	
List substances to be considered for scoring. BTEX Explain basis for choice of substances to be used in scoring. Known contaminants List management units to be considered in scoring: Confaminated Soil	

WORKSHEET 2 (CONTINUED) ROUTE DOCUMENTATION

GROUND WATER ROUTE	. •
List substances to be considered for scoring.	Source:
BTEX Lead	
Explain basis for choice of substances to be used in scoring.	
Roown contaminants	
List management units to be considered in scoring:	Source:
Contominated soil	
Explain basis for choice of unit used in scoring.	
en de la companya de La companya de la co	

WORKSHEET3 SUBSTANCE CHARACTERISTIC WORKSHEET FOR MULTIPLE UNIT/SUBSTANCE SITES

	Combination 1	Combination 2	Combination 3
Unit: Substance:			
AIR ROUTE			
Human Toxicity/Mobility Value:		·	
Environmental Toxicity/ Mobility Value:	e e		
Containment Value:			
Air Human Subscore:			
Air Environmental Score:			
SURFACE WATER ROUTE			
Human Toxicity Value:			
Environmental Toxicity Value:			
Containment Value:	·		
Surface Water Human Subscore:			
Surface Water Environmental Subscore:			
GROUND WATER ROUTE			
Human Toxicity/Mobility Value:			
Containment Value:			
Ground Water Subscore:			
			_

WORKSHEET 4 SURFACE WATER ROUTE

1.0	SUBST	ANCE CHARAC	TERISTICS			•		٠.
1.1	Humar	Toxicity	·. ·				•	·.
Substance		Drinking Water Std. (µg/l) Value	Chronic Toxic mg/kg/day	ty Value	Acute Toxic mg/kg-bw	-	Carcinogencity Potency WOE Factor	Value
1. 2. 3. 4. 5.								
·	. <u></u>						Source: hest Value: us Points?: Value:	· · · · · ·
1.2	Enviro	nmental Toxicity				•		
					·	Source	e: Value:	<u> </u>
Subst	ance	Acute Criteria (µg/L)	Non-human mar acute toxicity (m		Value			
1. 2. 3. 4.								
5. 6.								
1.3	Substa	ance Quantity				Source	e: Value:	·
-	<u>Explair</u>	n basis:						
			•		· 			
				•				
2.0	MIGRA	TION POTENTIA	ĄL				*	
2.1	Contai	nment				Source	:\ Value:	
	<u>Explair</u>	n basis:		<u>. </u>	· .			
	•			,				
2.2	Surfac	e Soil Permeabi	lity:		· 	Source	: Value:	
	Total A	Annual Precipitat	ion:			Source	:Value:	
2.3						Source	:Value:	•
2.3 2.4		um 2-Year 24-Hi	r Precipitation:			Source	·— valgo.	
	Maxim		r Precipitation:				: Value:	

WORKSHEET 4 (CONTINUED) SURFACE WATER ROUTE

3.0	TARGETS			
3.1	Distance to Surface Water:	-	Source:	Value:
3.2	Population Served within 2 miles:		Source:	Value:
3.3	Area Irrigated by Sources within 2 miles:	-	Source:	Value:
3.4	Distance to Fishery Resource:	•	Source:	Value:
3.5	Distance to Sensitive Environment:	-	Source:	Value:
	List:	•	.•	
			٠.,	
			•	
4.0	RELEASE			
	Explain basis:	<u>.</u>	Source:	Value:
		t.	•	
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WORKSHEET 5 (CONTINUED) AIR ROUTE

- SUBSTANCE CHARACTERISTICS 1.0
- 1.1 Introduction - please review before scoring
- 1.2 **Human Toxicity**

Substance	Air Std. μg/m ³ Value		Chronic Toxicity mg/kg/day Value		Acute Toxicity mg/kg-bw Value		Carcinogencity Potency WOE Factor Value			
BE+X		10 4 7 7		3003			00			500

Source:

1.4

Highest Value: 10

+2 Bonus Points?: 2

Toxicity Value: 12

1.3 Mobility

1.3.1 Gaseous Mobility

Vapor Pressure: _ Value:

Source:

Source: _

Particulate Mobility 1.3.2

Soil Type: ____

Erodibility: _

Climatic Factor:

Particulate Mobility Potential Value:

Final Human Health Toxicity/Mobility Matrix:

Value: <u>24</u>

Environmental Toxicity/Mobility 1.5

Substance	Non-human mammalian Acute Toxicity	Value	Mobility	Value
1. 2. 3. 4. 5. 6.		00	43,13	

Environmental Toxicity Mobility Matrix:

Source: 1 Value: 2

Substance Quantity: www over 1.6

Source: | Value: |

WORKSHEET 5 AIR ROUTE

	7.11110012	•	•	
2.0	MIGRATION POTENTIAL	1		
2.1	Containment: <u>SOIL COVER > 6 INCHES WIT</u>	H	Source: 2	Value: _6_
	NO VAPOR RECOVERY			
	*			
3.0	TARGETS			
3.1	Nearest Population: <1000 f+		Source:	Value: <u>16</u>
3.2	Nearest Sensitive Environment:		Source: 1	Value: _O_
•	List: None 41 mile			
		•		
			* * * * * * * * * * * * * * * * * * *	•
3.3	Population within 1/2 mile: 153		Source: 1	Value: <u>12</u>
		₹'	•	
4.0	RELEASE:		Source: 1	Value:O_
			• •	
		•		
	•		•	

WORKSHEET 6 GROUND WATER ROUTE

1.0	SUE	SSTANCE CHA	RACTERIS	STICS				
1.1	Hun	nan Toxicity						
Substance		Drinking Water S		Chronic Toxici	-	Acute Toxicity	· · · · · · · · · · · · · · · · · · ·	Carcinogencity Potency
		(μg/l)	Value	mg/kg/day	Value	mg/kg-bw	Value	WOE Factor Value
1. BETX 3.4.5. Lead			84-NN B		33300		0-1-1-6	60000
							Hia	Source: 1 hest Value: 10
								us Points?: 2
		В	3	•				Value: 12
1.2	Mot	oility E	3 22 2 0					,
•	Sub	stance: $\underline{\hat{\mathcal{L}}}$	ead 0				Source	e: <u>/</u> Value: <u>3</u>
1.3	Sub	stance Quanti	ty	-			Source	e: _/_ Value:/
	<u>Exp</u>	lain basis: ル	uluon	771				
				·				
		÷						
2.0	MIG	RATION POTE	ENTIAL					•
2.1	Con	tainment					Source	: _ / Value: _ / O
	<u>Exp</u>	lain basis: 🥱	pulls to	subsi	urfa	Ce		
			<u> </u>			·		
2.2	Net	Precipitation:	3,	3				: <u>/</u> Value:
2.3 .	Sub	surface Hydra	ulic Condu	ctivity: 10-	5-10	5-3	Source	:_/ Value: \$ _
2.4	Vert	ical Depth to	Ground Wa	ter: <u>O co</u>	ntan	rinated	Source	: <u>/</u> Value: <u>8</u>
3.0		GETS						
3.1		und Water Usa					Source	e: Value:
3.2		ance to Neare		_		0 f+		e: <u>1</u> Value: <u>5</u>
3.3	•	ulation Served						e: <u>/</u> Value: <u>6 Z</u>
3.4	Area	a Irrigated by \	Wells within	2 miles:	449	0.76	Source	e: <u>1</u> Value: <u>2</u> 9
								•
4.0		EASE		1.			-	· ·
	Exp	lain basis: <u>5√</u>	uen vis	ible on	grou	ndwater	Source	e: Value:
		•			·	<u> </u>		

WORKSHEET 7 SOURCES USED IN SCORING

- 1. SHA report for Pederson Fryer Farms
- 2. CONVERSATION WITH JOHN WIETFIELD, ECOLOGY, JULY 1991
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.