WASHINGTON RANKING METHOD

ROUTE SCORES SUMMARY AND RANKING CALCULATION SHEET

Site name:	Paxto	m Sale Corp	Region:_	C	RO				
	_	Yakime , Ya		_					
	was ranked sed/scored	i on <u>August 12, 19</u> sites.	991, based on o	quint	ile v	/alu	ıes	from	
<u>Pathway</u>	Route Score(s)	Quintile <pre>Group number(s)</pre>	Priority s	score	<u>s:</u>				
SW-HH	0.9		25 + L0 + H ² + 2M + 8		36/8	24.	5=1	5	
Air-HH	46.9		v					-	
GW-HH	65.4	_5_							
Sed-HH		<u> </u>	1 42						
SW-En	1.7	1 .	$\frac{H^2 + 21}{7}$	<u> </u>	3/7:	= 1	-		
Air-En	O						-	-	
Sed-En			Human	En	viror	men	ıt		
the right priority site rank:	ing. N/A		Health 5 4 3 2 1		4 3 1 1 2 2 2 3 3 4 3 4 4 5	1 2 4 4 5		N/A 1 4 5 5	
DRAFT / (Matrix (")	FINAL Din") Rank	ing:	N/A orN		ther				
CONFIDENC	E LEVEL: T	ne relative posit	ion of this sit	te wi	thin	thi	s b	in is	:
	X	almost into the no right in the midd almost into the no	le, unlikely to	o eve	r cha	ınge	١.		
rev. 8/91				tive R .rea o Vashir	ecord	for t ober State	the \ 31, e	Yekim <mark>a</mark>	l

WORKSHEET 1 SUMMARY SCORE SHEET

Site Name: PAXTON SALES C	ORPORATION	
Site Location: (City, County, or So 108 West Mead Avenue Yakima, Washington	ection/Township/R (Yakima County	
NW_4^1 NW_4^1 of Section 31, T.	13 N., R. 19	EWM
Site Description: (Include manage	ement areas, comp	ounds of concern, and quantities)
Rinse waters from case harde on-site dry well No evidence nearby domestic wells, but s methylene chloride, acetone, sediment sample taken from t	ning and nonco of groundwate oil contaminat toluene, ethy he dry well. T	ing shop that has operated for 21 years. HAVE BEEN A STANDARD TO AN AMERICA TO AMERICA T
which are important in evaluating		data, data which cannot be accomodated in the model, but d with the site)
ROUTE SCORES:	ra s	
Ground Water/Human:	<u>58.3</u>	Overall Rank:
Surface Water/Human:	0,8	
Air/Human:	46.9	With the state of
Air/Environmental:	0.0	This document was part of the official Administrative Record for the Yakima
Surface Water/Environmental:	_1.7_	Railroad Area on October 31, 1996. Washington State Department of Ecology.

WORKSHEET 2 **ROUTE DOCUMENTATION**

SURFACE WATER ROUTE

List substances to be considered for scoring. Source: /, 2 1. METHYLENE CHLORIDE 5, ETHYLBENZENE 9. CHROMIUM 13. LEAD 17, 2,NC 2. ACETONE 6, XYLENE 10. COBALT 14. MERCURY 18 NAPTHALENG 3. TETRACHLOROETHENE (PCE) 7. CYANIDE 11. COPPER 15. NICKEL 19. 2- METHYLNAPTHALGNE 4. TOLUENE 8. BARIUM 12. IRON 16. SODIUM 20. 4. CHLORD-3-METHYLPHENDL

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

METHYLENE CHLORIDE, PCE, XYLENE, HCN, ZINC AND 4-CHLORD-3-METHYLPHENOL WERE CHOSEN FOR SCORING BASED ON THREAT, CONCENTRATION, AND REPRESENTATION OF OVERALL PROBLEM.

List management units to be considered in scoring:

Source: /, 2

1. DRY WELL (SEEP PIT)

Explain basis for choice of unit used in scoring.

CONTAMINATION WAS DETECTED IN A SEDIMENT SAMPLE TAKEN FROM THE DRY WELL .

AIR ROUTE

List substances to be <u>considered</u> for scoring.

Source: 1

1. METHYLENG CHLORIDE 2. ACETONE

3, PCE 7 CYANIDE

5. ETHYL BENZENE 9. CHROMIUM 13. LEAD 17. ZINC 6. XYLENE 10, COBALT ! 1. COPPEIZ

14. MERCURY 18. NAPTHALENE

4. TOLUGNE

8. BARIUM

15. NICKEL 12. TRUN

19, 2-METHYLNAPTHALENE 16. SODIUM 20, 4-CHLORO-3-METHYLPHENOL

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

METHYLENE CHLORIDE, PCE, XYLENE, HCN. ZINC AND 4-CHLORD-3 METHYLPHENOL WERE CHOSEN FOR SCORING BASED ON THREAT, CONCENTRATION AND REPRESENTATION OVERALL PROBLEM.

List management units to be considered in scoring:

Source: 1, 2

1. DRY WELL CSEEP PIT)

Explain basis for choice of unit used in scoring.

CONTAMINATION WAS DETECTED IN A SEDIMENT SAMPLE TAKEN FROM THE DRY WELL.

WORKSHEET 2 (CONTINUED) **ROUTE DOCUMENTATION**

GROUND WATER ROUTE

List substances to be considered for scoring.

Source: /, 2

I, METHYLENE CHLORIDE

5. ETHYLBENZENE 9, CHROMIUM 13. LEAD

17. ZINC

2. ACETONE 3. PCE

6. XYLENE 10, COBALT 14. MERCURY 19, NAPTHALENE 7. CYANIDE

11. COPPEIZ

15. NICKEL

19.2-METHYL NAPIHALENE

4, TOLUENG

8. BARIUM

12 ERUN

16. SODIUM

20,4-CHLORD-3-METHYLPHENOL

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

METHYLENE CHLORIDE, PCE, XYLENE, HCN. ZINC AND 4-CHLORD-3-METHYLPHEMOL WERE CHOSEN FOR SCORING BASED ON THREAT, CONCEMPRATION AND REPRESENTATION OF OVERALL PROBLEM.

List management units to be considered in scoring:

Source: 1, 2

1. DRY WELL (SEEP PIT)

Explain basis for choice of unit used in scoring.

CONTAMINATION WAS DETECTED IN A SEDIMENT SAMPLE TAKEN FROM THE DRY WELL,

WORKSHEET 3 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:			
Containment Value:			
Air Human Subscore:		. /	
Air Environmental Score:			
SURFACE WATER ROUTE			
Human Toxicity Value:			
Environmental Toxicity Value:	$\mid \times \mid$		
Containment Value:			
Surface Water Human Subscore:			
Surface Water Environmental Subscore:			
GROUND WATER ROUTE			
Human Toxicity/Mobility Value:			
Containment Value:		`	
Ground Water Subscore:			
	Administrat Railroad A W	ent was part of the offic ve Record for the Yakir ea on October 31, 1990 ashington State rtment of Ecology.	ka 🔪
· · · · · · · · · · · · · · · · · · ·	 		

WORKSHEET 4 SURFACE WATER ROUTE

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

Substance	Drinking Water	Std.	Chronic Toxicity		Acute Toxicity		Ca	rcinogencity Potency	′
	(µg/1)	Value	mg/kg/day	Value	mg/kg-bw	Value	WOE	Factor	Value
1.METHYLENG CHU 2. PCE 3. YYLGNE 6. HCN 5. ZINC 8.4-CH(ORO-3-MET	2 X proch 200 smcl 5,5000	8 8 4 2	1,.06 RID ORAL 201 RFD GAL 3, ×2 RID GRAL 5,.2 RFD GRAL 6,2 RFD GRAL		1. 1600 LDSO DEAL RAT 2. 269 LDSO DRAL RAT 3. 4300 LDSO DRAL RAT 4.3700 LDSO DRAL MOUS 6 5. X 6 1 830 LDSO DRAL RAT	Wil warm	1.2.3.4.X 8.8.X 9.5.X 4.5.X 4.5.X	.0075 .061 	2411

Source: 5.6.7

Highest Value:

8

+2 Bonus Points?:

Value: ____/0_

1.2 Environmental Toxicity

Source: 5, 6, 8 Value: __6__

Substance	Acute Criteria (µg/L)	Non-human mammalian acute toxicity (mg/kg)	Value
1. METHYLENG CHUR! 2. PCE 3. XYLENE 4. HCN 5. ZINC 6.4-CHLORD-3-METH	2,5280 3, X 4,22 5,320	1600 LDSO GRALRAT 269 LDSO GRALRAT 4300 LDSO GRAL RAT 3700 LDSO GRAL MOUSE X 1830 LDSO GRAL RAT	3 2 3 6 4 4

Substance Quantity	PAGE (Source: 1 Value: 5
Explain basis: (15 YEARS) (365 DAYS YEAR)	(1 GALLON) - 5475 GALLONS
YEAR /	DAY /

2.0 MIGRATION POTENTIAL

2.1	Containment	Source:	Value:

Explain basis: DRY WELL = O CONTAINMENT VALVE

2.2	Surface Soil Permeability: HIGH, SAND, GRAVEL	PAGE II Source: 3 Value: 1
2.3	Total Annual Precipitation: 7.2 INCHES	PAGE I I Source: 3 Value: 1
2.4	Maximum 2-Year 24-Hr Precipitation: 1,0 INCH	PAGE II Source: 3 Value: 1
2.5	Flood Plain: NoT IN FLOOD PLAIN	PAGE II Source: 3 Value: 0
2.6	Terrain Slope: LESS 7HAN 26/0	PACE II Source: 3 Value: 1

This document was part of the official

WORKSHEET 4 (CONTINUED) SURFACE WATER ROUTE

3.0	TARGETS	
3.1	Distance to Surface Water: MILE , SHANO DITCH.	Source: 10.11 Value: 2
3.2	Population Served within 2 miles:	Source: <u>v.13</u> Value:
3.3	Area Irrigated by Sources within 2 miles:	Source: 12 Value: 0
3.4	Distance to Fishery Resource: 1.5 MILES WIDE HOLLOW CREEK	Source: 14 Value: 3
3.5	Distance to Sensitive Environment: 1.5 MILES	Source: 14 Value: 3
	List: WIDE HOLLOW CREEK (FISHERY RESOURCE) 1.5 MILES	
	CAHALAN PARK 1.75 MILE YAKIMA RIVER 2 MILES	
4.0	RELEASE	
	Explain basis:	Source: Value:O

WORKSHEET 5 AIR ROUTE

1.0 SUBSTANCE CHARACTERISTICS

- 1.1 Introduction - please review before scoring
- 1.2 **Human Toxicity**

Substance	Air Std.	Value	Chronic Toxicit mg/kg/day	y Value	Acute Toxicity m3 mg/kg-bar	Value	WOE	arcinogencit Potency Factor	y Value
1.METHYLENE CHLOR DE 2 PCE 1 XYLENE 4 HCN 5 ZINC 6 4-CKLORO-3 METHYLP	2. X 3. X 4. 16. 7 5. X	10 - 7	1, 3 RfO Fnh, 2, ND 3, X 4, X 5, ND 6, X	-11/11	1.88,000 LLSO TAL. RAT 2.34,200 LCSO JAL. RAT 3. 2.2/120LCSO 4,545 LCSO 5. X	@ www	1.82 2.82 3.X 4.D 5.X	× .0033	12

Source: 5 10-15 Highest Value: 10 +2 Bonus Points?: __2 Toxicity Value: 12

- 1.3 Mobility
 - Gaseous Mobility mm Hg 1.3.1

Vapor Pressure: 1, 429 2, 19 3, 10 4,620 5, MA 6, X Value: 1, 4 2, 4 3, 3 4, 4 5, - 6, -

Source: 5.16

Particulate Mobility 1.3.2

Soil Type: ____

Source: __

Erodibility: Climatic Factor:

Particulate Mobility Potential

Value:

1.4 Final Human Health Toxicity/Mobility Matrix: 70 x/c/74 - 12

MOBILITY - 4.

1.5 Environmental Toxicity/Mobility

Substance	Non-human mammalian Acute Toxicity	Value	Mobility	Value /
1. METHYLENE CHEON 2. PCE 3. XYLENE 4. HCN 5. ZINC 6. 4-CHLORO	1DE 88,000 LC50 34,200 LC50 22,120 LC50 545 LC50 X	33381	4 4 3 4	44516

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Value: <u>24</u>

Washington State Department of Ecology.

Environmental Toxicity Mobility Matrix:

Source: 5,6 Value: 16

Substance Quantity: (15 YEARS) (365 PAYS) DAY PAGE Source: Value: 5 1.6

WORKSHEET 5 (CONTINUED) AIR ROUTE

MIGRATION POTENTIAL		Makiai
Containment: <u>SPILL OCCURRED IN SUBSURFACE</u>	Source:	value:
ONLY WITH NO VAPOR RECOVERY.		
TARGETS		
TARGETS ESTIMATE: LESS THAN 1,000 FEGT Nearest Population: RESIDENCES IMMEDIATELY SOUTH OF SITE.	Source: 14	Value:
Nearest Sensitive Environment: 1.5 MILES 7920 FEET	Source: 14	Value
List: WIDE HOLLOW CREEK (FISHERY RESOURCE) 1.5 MILES	- <u></u>	
CAHALAN PARK 1.75 MILES		
YAKIMA RIVER 2 MILES		
Population within 1/2 mile: 3870 PAGE I	3 Source: 3	Value
RELEASE: NONE DOCUMENTED	Source:	Value

WORKSHEET 6 **GROUND WATER ROUTE**

SUBSTANCE CHARACTERISTICS 1.0

Human Toxicity 1.1

	Drinking Water Std.		Chronic Toxicity		Acute Todaty		Carcinogencity Potency		
Substance	(ro/l) Value		mg/kg/day Value		mg/kg-bw Value		WOE	WOE Factor Value	
METHYLEME CHUR PCE XYLENE HCN ZINC 4-CHURO3-METHY	3, X PNL 4, 200 SMLL 5,5,000	4	1. 106 RED 2. 101 RED 3. X 41. 02 RED 5. 2 RED 6 2 RED	1	1, 1600 LDSO DEAL RAT 2, 269 LDSO ORAL RAT 3, 4300 LDSD ORAL RAT 4, 3700 LDSD ORAL MOKE 5. X 6, LDSD ORAL RAT	. 3	323 X D X X	.0075	0+1111

Highest Value: +2 Bonus Points?: _

Value: 10

Mobility 1.2 SOLUBILITY, mg 1L 3.198 4.166 5.K71 6. X Substance: 1, 16,700 VALVE

Source: <u>5,16</u> Value: <u>3</u>

Substance Quantity 1.3

PAGE 6 Source: | Value: 5

Explain basis: (15 YEARS

- MIGRATION POTENTIAL 2.0
- Containment 2.1

Source: 17. Value: 16.

Explain basis: PRY WELL = 10 CONTAINMENT VALUE

Net Precipitation: 1.7 INCHES 2.2

Source: 18 Value: 1

Subsurface Hydraulic Conductivity: GREATER THAN 10-3 CM 2.3

PAGE II Source: 3 Value: 4

Vertical Depth to Ground Water: 10 70 20 FEET 2.4

PAGE II Source: 3 Value: 8

- **TARGETS** 3.0
- Ground Water Usage: PUBLIC NO ALTERNATE. 3.1

Source: 13 Value: 9

Distance to Nearest Drinking Water Well: LESS THAN 600 FEET 3.2

Source: /# Value: <u>5</u>

Population Served with 2 miles: 4471 PUBLIC + 18 DOMESTIC 3.3

Source: <u>12.13</u> Value: <u>67</u>

Area Irrigated by Wells within 2 miles: 2167 KRES. .75 2167 3.4

Source: 12 Value: 35

4.0 RELEASE

Explain basis: LIKELY BUT NOT DOCUMENTED

Source: ____ Value: ___

BY GROUNDWATER SAMPLING

This document was part of the official Administrative Record for an

Railread Area on Comber 31, 1996. Washington State

WK -9

WORKSHEET 7 SOURCES USED IN SCORING

- 1. SITE INSPECTION REPORT FOR PAXTON SALES CORPORATION, YAKIMA, WASHINGTON, ECOLOGY AND ENVIRONMENT, NOVEMBER 1989
- 2 DATA GAP IDENTIFICATION REPORT, SAIC, FEBRUARY 1991.
- 3. SITE HAZARD ASSESSMENT DATA COLLECTION SUMMARY SHEETS FOR WASHINGTON RANKING METHOD, SAIC, FEBRUARY, 1991.
- 4. PRELIMINARY ASSESSMENT REPORT PAYTON SALES CORPORATION YAKIMA WASHINGTON, ECOLOGY AND ENVIRONMENT, JUNE, 1988,
- 5. PHYSICAL, CHEMICAL, TOXICOLOGICAL AND REGULATORY VALUES FOR PRIDRITY POLLUTANTS, WASHINGTON DEPT. OF HEALTH, MARCH, 1991.
- 6. PTECS, NIOSH, APRIL, 1987.
- 7. HEALTH EFFECTS ASSESSMENTS SUMMARY TABLE, USEPA, 1990
- 8. QUALITY CRITERIA FOR WATER 1986, US EPA
- 9. QUANTITY ESTIMATION, BOB SWACKHAMER, 5/14/91.
- 10. YAKIMA EAST QUADRANGLE MAP, USGS 7.5 MINUTE TOPOGRAPHIC SERIES.
- 11. YAKIMA WEST QUADRANGLE MAP, USGS 7.5 MINUTE TOPOGRAPHIC SERIES.
- 12. RECORDED WATER RIGHTS OF THE DEPARTMENT OF ECOLOGY REGION 4, 6/21/90.
- 13, STATE OF WASHINGTON PUBLIC WATER SUPPLY SYSTEM LISTING, DEPT. OF HEALTH, 2/16/89.
- 14. CMX CORPORATION SHA SUMMARY SCORE SHEET, DEPT. OF ECOLOGY, 1991
- 15, CHAPTER 173-460 WAC, DRAFT, DEPT. OF ECOLOGY, AUGUST, 1990.
- 16. SUPERFUND PUBLIC HEALTH EVALUATION MANUAL, US EPA, TEF CORP., 1986.
- 17. WASHINGTON RANKING METHOD SCORING MANUAL, DEPT. OF ECOLOGY APRIL 1990.
- 18, WASHINGTON CLIMATE, COOPERATIVE EXTENSION UNIT, WASHINGTON STATE UNIVERSITY,

This document was part of the official Administrative Record for the Yakima Railroad Area on October 31, 1996.

Washington State

Washington State Department of Ecology.

May 23, 1991

MAY 3 0 1991

TO:

Bob Swackhamer

FROM:

Michael J. Spencer MV

SUBJECT:

Site Hazard Assessment Scoring Packages

I have discussed the scoring issues we ran into last week with several of your sites with Barb Morson of SAIC, and we both agreed on the following resolutions:

1) Cameron - Yakima, Inc.:

It is important to keep in mind that the "unit used in scoring", e.g. the historical (soil) contamination, most likely has resulted from the surface down, rather than upward from such as a LUST. By stating that the whole contaminated area is paved over, and assigning a containment value of zero for the surface water pathway as you do, then Barb feels (strongly!) that the air pathway realistically shouldn't be scored at all, and I tend to agree. There is even a good argument for not scoring the surface water pathway at all, however the zero value for containment assures that it scores appropriately low.

2) CMX:

The surface area to be used for the substance quantity estimation should be the same for air as for the other pathways, e.g. use the 70' X 2' dimensions of the drainfield, and not the dimensions of the inside sump area. I would like to point out at this time that you need to be more consistent in completing the summary scoring sheets, e.g. for this site, you listed only the "drainfield" as management unit(s) to be considered for scoring, than apparently made a "sump discharging to a drainfield" as the choice of unit to be used in scoring. If you score the air pathway using the drainfield as the unit, then the containment value needs to be reassigned from the zero it now has.

3) Paxton Sales:

Rather than use an estimate of 50' X 50' for soil contamination, it would be better to come up with an estimate of the number of gallons of wastewater (having documentation of course that it indeed was contaminated by the substance(s) of concern) which were

disposed of into the dry well during the total number of years of operation of the site. We think it is very important that you have some factual information regarding the depth of the well, as that, using best professional judgment, would affect your decision as to whether or not there really are air and/or surface water pathways available, and what sort of containment values to then assign. If the well is relatively deep, maybe it is appropriate to score only the ground water pathway, unless contamination can be attributed to other, more surficial, areas of the site.

Please consider all the above points in your final analysis for each of these sites, and let me know what you decide. You have the ability to recalculate scores for the pathways I have pointed out, and, using the quintile spreads I sent to you, you can project fairly accurately where these sites will eventually rank. Use that as a guide. Call me at SCAN 585-3058 if you have any questions/comments.

cc: Pete Kmet
Elaine Peterson

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY TOXICS CLEANUP PROGRAM

SITE HAZARD ASSESSMENT DATA COLLECTION SUMMARY SHEETS FOR WASHINGTON RANKING METHOD

site Paxton Sales Corporation
Location: NW 4 NW 4 NW 4 SECTION 31 TON RIGE
Site owner/operator:
Address:
Any other known PLP(s):
Address:
Site Number:
Date(s) of field site hazard assessment:
Samples or field measurements:soilsurface water
air ground water
(Attach copies of pertinent sampling and analytical data, as well as all other supporting documentation.)
Photographs:
Weather:
Lead inspector:
Other inspectors:
Signature:

PART I: Hazardous Substances

NOTE: Page numbers, or worksheet numbers, shown in parentheses refer to the WARM Scoring Manual.

A. LIST

List hazardous substances, known or suspected (check k or s), currently at the property, or that have been previously (check c or p) at the property:

<u> Hazardous Substance K S C P</u>	<u>Quantity</u>	<u>Units</u>
1. Halograted Hydrocarbons	· · · · · ·	<u></u>
2. Barium	. <u> </u>	
3. <u>Cadnium</u>	· · · · · · · · · · · · · · · · · · ·	
4. Lead		
5. Mercury		
5. Mercury 6. Cyanid. Salts		
7.		·
8.		
9.		
10	· · · · · · · · · · · · · · · · · · ·	·
Additional?(list on att	achment)	
By which routes are these ava	ilable?	
Number(from above) Surface W	ater <u>Air</u> Groundwat	<u>er</u>
1		` ``
2. 2		1 harried to
3		> ous well
4. <u>4</u> 5. <u>5</u>		a ary
5		
6		
8		
9		
10.		

B. SOURCES

drums or other containers electrical transformers
above ground tanks below ground tanks ponds, pits, or other impoundments pipelines (other than water, sewer, or gas) floor drains exterior drains for rainwater, surface waters, spills, etc. other?Identify: Sludge tanks (kaning tanks)
Things In the second se
Check those known or observed: discolored soils disturbed soils discolored standing water unusual or noxious odors sick or dead vegetation groundwater monitoring wells other?Identify:
If any are checked in B or C, explain details including
exact locations (identify location in a map or drawing). Additional information:

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Administrative Record for the Yakima
Railroad Area on October 31, 1996.
Railroad Area on October 31, 1996.
Washington State
Department of Ecology.

PART II: Releases

A. KNOWN OR S	SUSPECTED RELEASES			
List those haz I.A. which are	ardous substances i known or suspected	dentifi I to hav	ed (by e been	number) in released:
	Quantity Released	<u>Units</u>	When	Location
Tank Ringe water	1 gal/day		1984	· · · · · · · · · · · · · · · · · · ·
mposition unknown)				
	· ·			
dditional	. •			
nformation/re	ference?			·
				3
. SOURCES AN	D TMPACTS	(Pages	A-9. 1	0)
	ardous substances i	` _	•	•
	tify the source and			number, in
ubstance No.	_	s/affec		Area
King Water	60	ndwater (disposed to	well)

III. Migration Potential

Α.	CONTAINMENTLANDFILLS (SW-7; A-12; GW-8,9)
	Present? How many?
	Check those that apply:
1.	An engineered, maintained run-on/run-off control system
2.	An engineered/maintained cover without ponding
3.	Unmaintained run-on/runoff control system or cover
4.	No run-on/runoff control or no cover
5.	Uncontaminated soil cover greater than 6" thick
6.	Uncontaminated soil cover less than 6" thick
7.	Contaminated soil used as cover
8.	A functioning vapor collection system
9. (Mixing or agitation used
10.	No liner
11.	Single clay or compacted soil liner (permeabilitycm/sec)
12.	Single synthetic liner (permeabilitycm/sec)
13.	Double liner system (permeabilitycm/sec)
14.	Leachate collection system, maintained and functioning
15.	Leachate collection system, unknown condition or not functioning
16.	Liquid wastes may have been disposed of
17.	Liquid wastes were disposed of in landfill
18.	Reliable evidence <u>no</u> liquid wastes were disposed
	itional ments:

	GW-10,11)
Present_	How many?
Check the	ose that apply:
1	The dike is apparently sound
2	_The dike is regularly inspected and maintained
3	There is evidence of failure, erosion, slumping, or release of contents
4.	_Two feet of freeboard maintained automatically
5	The freeboard is manually controlled so that there is at least 2 feet of freeboard
6	_Evidence of insufficient freeboard (<2 ft.)
7.	_A maintained cover
8.7	Unmaintained cover, no cover
9	_No liner
10	_Single synthetic liner
11.	_Single clay or compacted soil liner
12	_Double liner
13	_Working leak detection system
14	_Evidence of loss of fluid (other than by evaporation)
Additiona comments:	
<u> </u>	

CONTAINMENT--SURFACE IMPOUNDMENTS

в.

(SW-7, 8; A-13;

C. CONTAINMENT--DRUMS AND SMALL CONTAINERS (ST

(SW-9; A-11; GW-11)

Prese	nt How many?
Check	those that apply:
1.	No functional containment
2.	There is secondary containment capacity for the total volume ofcontainers
3	There is secondary containment with capacity for at least 110% ofvolume of the largest container
4	The secondary containment is less than 110% of the volume of thelargest container
5	The containers are stored in single, or double layers on pallets, or in racks
6	The containers are stored in an unstable manner
7.	Some containers are open or have visible liquid
8.	Some containers are leaking
9.	Containers are protected from weather
10.	Containers showing deterioration
11	Containment surface is impervious
12.	Containment surface has cracks or semi-permeable
13	No base material/permeable base such as gravel/base materials unknown
13	Containment is regularly inspected and maintained
14	Evidence of containment failure
Additi commer	tonal hts:
<u>.</u>	

D.	CONTAINMENTSTORAGE TANKS (SW-9; A-11; GW-11)
Pres	sent? How many?
Chec	k those that apply:
1.	Secondary containment with a capacity of 110% of the volume of the tanks
2.	Secondary containment at least 50% of the volume of all tanks
3.	Containment system with capacity for at least 10% of volume of containers or tanks
4.	No containment, or less than 10% capacity
5.	Tank volumes maintained
6.	Automatic controls used for volume maintenance
7.	Tanks are covered
8.	Uncovered tanks have aeration, mixing, or heating of tank contents
9.	Containers sealed, protected
10.	Containers sealed, not protected
11.	Containers deteriorated
12	Containers leaking
13.	Record the #s of above which apply only to above ground tank
	Record the #s of above which apply only to below ground tanks
15.	Record the #s of above which apply to <u>both</u> above and below ground tanks:
	tional ents

E.	CONTAINMENTWASTE PILES (SW-10; A-13; GW-12,13)
Pre	sent? How many?
Che	ck those that apply:
1.	Waste pile is outside, no protecting structure
2.	Waste pile is outside, in open structure with roof
3.	<pre>Waste pile is outside, with partial or unmaintained cover</pre>
4.	Waste pile is outdoors, with maintained cover
5.	No cover is present
6.	Waste pile is fully enclosed, intact building
7.	There is an engineered run-on/run-off control
8.	The run-on/run-off is maintained
9.	Run-on/runoff control present, unknown condition
10.	No run-on/runoff control system present, or unknown if present
11.	Liner or base present;Not present.
12.	Single clay or compacted soil liner
13.	Single synthetic liner
14.	Double liner
15.	Maintained, functioning leachate collection system
16.	Leachate collection system;Unknown condition; orNot functioning.
	itional ments

F. CONTAINMENT--SPILLS, DISCHARGES, AND CONTAMINATED SOIL (SW-10, 11; A-13, 145; GW-13)

Check	those	that apply:
1.		_Spill, discharge, or contaminated soil <u>only</u> in the subsurface at the siteincluding dry wells, drain fields, leaking underground storage tanks
2.		_Soil contamination that has been covered partially excavated and filled with at least 6 inches of clean soil
3.	·	_Soil contamination that has been covered or partially excavated and filled with <u>less</u> than 6 inches of clean soil
4.		_Uncontaminated soil cover >2 feet thick
5		_No cover; orCover <2 inches but >6 inches thick
6.	•	_Spill, discharge, or contaminated soil present at the surface in an area with <u>maintained</u> run-on/runoff controls
7.	4 .	_Spill, discharge, or contaminated soil present at the surface in an area with <u>unmaintained</u> run-on/runoff controls
8.		Spill, discharge, or contaminated soil present at the surface with no run-on/runoff controls or unknown controls
9.	-	_Contaminated soil has been disturbed or excavated and stored above grade
10.		_A functioning vapor recovery system /
11.		_No vapor recovery system
Addit:		
	·····	
	-	

(SW-11,12; A-6; Worksheet 5) How would you evaluate the site soils? Circle 1. predominant textural class. Sand, gravel, sandy gravel, well-graded sand, well-graded gravel, gravelly sand, gravelly sand loam, silty sandy loam? Poorly-graded sands with fines, silt-sand mixtures, loam, silt loam, sandy silt loam, clayey sand, clay sand loam? Clayey sands, sand-clay mixtures, clayey gravels, clay-sand-gravel mixtures, inorganic silts, clayey silt loam, silty clay loam, porous rock outcrop, sandy silty clay, sandy clay loam? Clay (organic and inorganic), clay loam, rock outcrop, peat, peaty clay? Is the above based on personal observation, lab analysis, or professional judgement by a soil expert? (circle) What is the total annual precipitation? 2. inches/yr (SW-12; W/S 5)What is the maximum 2-year, 24 hour 3. ((SW-14; W/S 5)precipitation? 10 inches Is the site <u>not</u> in a flood plain? (SW-14; W/S 5)4. Is the site in a 500 year flood plain? Is the site in a 100 year flood plain? (BA) What is the terrain slope to the nearest surface water? 5. (SW-14,15; W/S 5)ૠ What is the subsurface hydraulic conductivity? 6. $\geq 10^{-3}$ cm/sec (GW-14; W/S 6) What is the vertical depth from the deepest point of 7. known contamination to ground water? 10-20 feet below ground surface (GW-15; W/S 7)Additional comments:

CONTAINMENT--SITE CHARACTERISTICS

G.

A.	DISTANCE	TO SURFAC	CE WATER	(SW-16)			
1.	What sur etc.) is site?	face wate /are wit	er(s) (lako thin 10,000	e, strea) feet (m, rive downgra	er, pond adient)	l, bay, of the
	Name		Distft	Obs	•	Meas.	•
			-				• ·
							-
							-
							- -
None'	?	. Comme	ents				
						 	
2.	What dri site? (<u>a</u> (SW-12;	<u>ll</u> lake :	ter intakes intakes, r	are wi Lver int	thin 2 akes <u>d</u> e	miles o ownstrea	of the m only
None	e`?						
Sou:	rce		Location	_ 	 ·	Pop. Se	erved
	·						
							
		<u></u>	•		·	. —	
			-				
3.	water in	takes (do	(anywhere) ownstream of f the site?	only) or	wells	(anywher	re)
None:	?					j.	
SURF	ACE WATER	: Acres_		_ (16	00 acre	es max.)	
Sour	ce(s)						.;
	NDWATER:		•		0 acres	s max.)	

Targets

Source(s)

4. What is the distance to the nearest fishery resource (total of overland distance plus downgradient distance)? (SW-17; W/S 5) 2 miles to your River
Over 10,000 feet? Distance if less than 10,000 feet? ft.
5. What is the distance to the nearest sensitive environment (total of overland distance plus downgradient distance)? (SW-18; A-15; W/S 5) 1.75 miles to Cahalan Park
Over 10,000 feet? Distance if less than 10,000 feet?ft.
6. Is the aquifer a federally-designated sole source aquifer? N_{θ} (GW-16; W/S 7)
7. Is the ground water used for: (GW-16; W/S 7) private supply public supply irrigation of human food crops or livestock non-food (human) vegetation not used due to natural contaminants ground water not used, but usable
B. Distance to nearest drinking water well? <u>feet</u> (GW-17; W/S 7)
9. Is there an alternate source available to groundwater for private or public water supply?
10. Population served by drinking water wells within 2 miles? (GW-17; W/S 7)
11. Distance to the nearest population? Adjacent feet (A-15, 16; W/S 6)
12. Population within one-half mile radius? 3870 (A-16; W/S 6)
Additional comments:
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PAXTON SALES CORPORATION

Site Description: The site is a metal case hardening shop that has operated in Yakima for 21 years. The facility used cutting oils that contained halogenated hydrocarbons until 1984. Reportedly, the cutting oils have not been disposed onsite. Rinse waters from case hardening and noncontact cooling water are discharged to an onsite dry well. No evidence of ground water contamination was found from sampling of nearby domestic wells, but soil contamination due to metals, tetrachloroethylene, methylene chloride, acetone, toluene, ethylbenzene and xylene was detected in a sediment sample taken from the dry well.

<u>Data Gaps</u>: Based on the Preliminary Assessment and Site Inspection reports in the file, there is enough site specific information available to score the site using WARM.

<u>Recommended Actions</u>: The SHA and site scoring should be completed using existing file information.