WASHINGTON RANKING METHOD

ROUTE SCORES SUMMARY AND RANKING CALCULATION SHEET

Site name	: Nu-	Way Clerm	Region:_	C	RO		•
City, cou	nty:	Jakima, Ya	kme	_			
	was ranke sed/scored	d on <u>August 12, 19</u> sites.	<u>91</u> , based on	quinti:	le valu	ues from	a
<u>Pathway</u>	Route Score(s)	Quintile <pre>Group number(s)</pre>	Priority	scores	<u>.</u>		
SW-HH	0.9		25 + 8 + H ² + 2M + 8	<u>L</u> = 3	4/8.4	1.125	
Air-HH	23.7	<u> </u>	J				
GW-HH	1.89						
Sed-HH			g , -	,			
SW-En	1.4		$\frac{H^2 + 2}{H^2 + 2}$	<u>L</u> - 1	1/12/	6=2	
Air-En	9.1	<u> </u>	7				
Sed-En							
	atrix pres		Human Health	Env:	ironmer	1 N/A	
priority	scores, to	th the two determine the	5	1 1	$1 \bigcirc 1$) 1 1	
		refers to where ble pathway.	3	1 2	3 4	3 4 4 5	
			2 1	2 3 2 3	2 2 3 4 4 4 4 5 5 5	5 5 5 5	
DRAFT /	FINAL	1	N/A	3 4	5 5	5 5	
Matrix ("	bin") Rank	ing:,	or N	o Furtl	ner Act	ion	
CONFIDENC	E LEVEL: T	The relative positi	on of this si	te witl	nin thi	is bin i	s:
	7	almost into the ne right in the middl almost into the ne	e, unlikely t	o ever	change	e.	
rev. 8/91		-	Th Ac	dministra Lailroad	ative Re Area on	cord for	the official the Yakima 31, 1996.
				De	partmen	t of Ecol	ogy

WORKSHEET 1 SUMMARY SCORE SHEET

Site Name: NU-WAY CLEANERS		
Site Location: (City, County, or S	ection/Township/l	Range)
801 South 3rd Street Yakima, Washington (Yaki	ma County)	·
SW4 SE4 of Section 19 7/3		
Site Description: (Include managedry cleaning business which chemical dye storage area, a Leakage from a dry cleaning staining of the concrete flothat was noted to be in poor discharge of the sump content the sump contained acetone, 2-methylnapthalene, and phth	ementareas, comincludes an of spray booth, machine was not in the dry condition, and to the subtetrachloroethalate esters. ne 1950s. Stod	apounds of concern, and quantities) The site is an active office and storage area, a dry cleaning room, a a bunkhouse, a laundry room, and a garage. Noted during a 1989 site inspection, with a cleaning room. Floor drains flow to a sump and probably has an open bottom, allowing osurface. A sample of soil from the bottom of thene, toluene, ethylbenzene, xylene, napthalene, and the facility has been operated by three ddard solvent, which is stored in a 750 gallon are site since 1971.
which are important in evaluating The facility is located in t	th e risk associat The Yakima Rai Thich tetrachl	lroad Study Area, a commercial and residential oroethene (PCE) has been detected at
ROUTE SCORES:		
Ground Water/Human:	46.3	Overall Rank:
Surface Water/Human:	0.6	
Air/Human: Air/Environmental:	19.0	This document was part of the official Administrative Record for the Yakima Railroad Area on October 31, 1996.
Surface Water/Environmental:	1.1	Washington State Department of Ecology.

WORKSHEET 2 **ROUTE DOCUMENTATION**

SURFACE WATER ROUTE	
SUNFACE WATER ROUTE	
List substances to be <u>considered</u> for scoring. 1. ACETONE 5. XYLENE 2. TETRACHIOROETHINE (PCE) 6. NAPTHALENE	Source: 1, 2
3. TOLUENE 7. 2-METHYLNAPTHALENE 4. ETHYLBENZENE 8. PHTHALATE ESTERS Explain basis for choice of substances to be used in scoring.	
THE FIRST SIX SUBSTANCES WERE USED IN SCORING BECAUSE TO TO REPRESENT THE RANGE OF ENVIRONMENTAL THREATS PRESENT	•
List management units to be considered in scoring:	Source: _ /, 2
1. SUMP 2. UST	
Explain basis for choice of unit used in scoring. WALYSIS DETECTED CONTAMINATION IN SOIL FROM BOX	TTUM OF SUMP
A Commence of the Commence of	
AIR ROUTE	
List substances to be <u>considered</u> for scoring.	Source: _ / , 2
1. ACETONE 5. XYLENE 2. PCE 6. NAPTHALENE 3. TOLUENE 7.2-METHYLNAPTHALENE 4. ETHYL BENZENE 8. PTTHALATE ESTERS	
Explain basis for choice of substances to be used in scoring. THE FIRST SIX SUBSTANCES WERE USED IN SCORING BELAGIOUS PRESENT. TO PEPRESENT THE RANGE OF ENVIRONMENTAL THREATS PRESENT.	ISE THEY WERE JUDGED
List management units to be considered in scoring:	Source: 1, 2
1. SUMP 2. UST	
Explain basis for choice of unit used in scoring	

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Department of Ecology.

ANALYSIS DETECTED CONTAMINATION IN SOIL FROM BOTTOM OF SUMP

WORKSHEET 2 (CONTINUED) ROUTE DOCUMENTATION

GROUND WATER ROUTE

List substances to be considered for scoring.

1. ACETONE

5. XYLENE

2, PCE

6, NAPTHALENE

3, TOLVENE

7. 2-METHYLNAPTHALENE

4. ETHYLBENZENE & PHTHALATE ESTERS

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

THE FIRST SIX SUBSTANCES WERE USED IN SCORING BECAUSE THEY WERE JUDGED TO REPRESENT THE RANGE OF ENUIRONMENTAL THREATS PRESENT,

List management units to be considered in scoring:

1. SUMP

2. UST

Explain basis for choice of unit used in scoring.

ANALYSIS DETECTED CONTAMINATION IN SOIL FROM BOTTOM OF SUMP.

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Source: 1, 2

Source: /, 2

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:			<u>/</u> .
Containment Value:			·
Air Human Subscore:			
Air Environmental Score:			
SURFACE WATER ROUTE	46		
Human Toxicity Value:			
Environmental Toxicity Value:			
Containment Value:			
Surface Water Human Subscore:		This document	was part of the official
Surface Water Environmental Subscore:		Railroad Area	Record for the Official Record for the Yakima In October 31, 1996. Ington State Int of Ecology.
GROUND WATER ROUTE			
Human Toxicity/Mobility Value:		A Comment of the Comm	
Containment Value:		`	
Ground Water Subscore:	·		

WORKSHEET 4 SURFACE WATER ROUTE

1.0 SUBSTANCE CHARACTERISTICS

1.1 **Human Toxicity**

Substance	Drinking Water Std. (μg/l) Value		Chronic Toxicity mg/kg/day Value		Acute Toxicity mg/kg-bw Value		Carcinogencity Potency WOE Factor V		y Value
1.ACETONE 2. PCE 3. TOLUENE 4. ETNYL BENTENE 5. XYCENE 3. NAPTHALENE	1. X 2.5 PMCL 3.2000 PMCL	8024	1, . 1 RFD ORM 201 RFD ORM 3, 3 RFD ORML 4. 1 RFD ORML 5. X 6. OSY RFD	3	1.5800 LD ₅₀ OPAL PAT 2. 800 LD ₅₀ OPAL PAT 3.5000 LD ₅₀ OPAL PAT 4.3500 LD ₅₀ OPAL PAT 5.4300 LD ₅₀ OPAL PAT 6.470 LD ₅₀ OPAL PAT	5 353	X By D	, 051 X X	He seemed to see

Source: 4,5 Highest Value: 8 +2 Bonus Points?: O

Source: Value:

Value: 8

1.2 **Environmental Toxicity**

Source: $\frac{4.7}{}$ Value: 3Acute Criteria Non-human mammalian Substance $(\mu g/L)$ acute toxicity (mg/kg) Value This document was part of the official 5800 LDG ORAL RAT Administrative Record for the Yakima X 1. ACETONE Rallroad Area on October 31, 1996. 2. PCE 5,280 800 LDSO ORAL RAT 2 2 3. TOLUENE 17,500 LOEL 5,000 LDSO ORAL RAT Washington State 3,500 LDSO ORAL RAT 4,300 LDSO ORAL RAT 4. ETHYLBENZENE 32,000 LOEL 2 Department of Ecology. X 3 5. XYLENE 6. NAPTHALENE 2300 490 LDSO ORAL RAT

1.3 Substance Quantity

Explain basis: BEST PROFESSIONAL JUDGENEAUT BY SCORER

AREA OF SUMP ESTIMATED AT 7 FT 2

2.0 MIGRATION POTENTIAL

2.1 Source: _/_ Value: ____ Containment

Explain basis: SPILL IN SUBSURFACE ONLY

PAGE // Source: _/ Value: __/_ 2.2 Surface Soil Permeability: HIGH, SAND, GRAVEL

PAGE 11 Source: ____ Value: _____ 2.3 Total Annual Precipitation: 7.2 INCHES

Maximum 2-Year 24-Hr Precipitation: 1.0 INCH PAGE II Source: _ / Value: _ / 2.4

PAGE // Source: 1 Value: 0 2.5 Flood Plain: NOT IN FLOOD PLAIN Terrain Slope: LESS THAN 2% PAGE II Source: __/_ Value: __/_ 2.6

WORKSHEET 4 (CONTINUED) SURFACE WATER ROUTE

3.0 3.1	TARGETS Distance to Surface Water: YAKIMA RIVER 1.5 MILES	PAGE 13 Sources 1 Value of
3.2	Population Served within 2 miles:	PAGE 13 Source: 1 Value: 2 Source: 9,10 Value: 0
3.3	Area Irrigated by Sources within 2 miles: 20 ACRES . 75 V	Source: 9 Value: 3
3.4 3.5	Distance to Fishery Resource: YAKIMA RIVER 1.5 MILES Distance to Sensitive Environment: .75 MILES	
0.0	List: WASHINGTON PARK	PAGE 13 Source: 1 Value: 6
1 .0	RELEASE	
7.0	Explain basis: NONE DOCUMENTED	Source: _/_ Value: <i>O</i> _
		oddice. <u>I</u> value: <u></u>
		This document was part of the official
		Administrative Record for the Yakima
		Railroad Area on October 31, 1996. Washington State
	•	Department of Ecology,

WORKSHEET 5 AIR ROUTE

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

Substance	Air Std.		Chronic Toxicit	У	Acute Toxicity		Carcinogencity Potency		
	μg/m ³	Value	mg/kg/day	Value	mayra-pm	Value	WOE	Factor	Value
1. ACETONE 2. PCE 1. TOLUENE 4. ETHYL BENZENE 1. XY CENE 1. NAPIHALENE	1, 5927.4 2, X 3, 1248, 6 4, 1418, 6 5, X 6, 166.5		1. X 2. ND 3. 2 RFD 4. BG NOAEL 5. X 6. X	X 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1, LC 10 MOSE 110,000 mg 2,5200 ppm = 36,000 mg 3. X 4. X 5.2,212 LC ₅₀ 6. X	3 5	* 82 D D X X	. 0033 × ×	Page Conference Confer

Source: 4,5,6 Highest Value: 5 +2 Bonus Points?: O Toxicity Value: __5___

Gaseous Mobility mm Hq at 25°C 1.3.1

Vapor Pressure: 1262.19 3.28 4.10 5.7 6..082 Value: 1.42.43,44.45.36,3

Source: <u>4.8</u>

Source:

Particulate Mobility 1.3.2

Soil Type: _____

Erodibility:

Climatic Factor:

Particulate Mobility Potential

1.4 Final Human Health Toxicity/Mobility Matrix: TOXICITY-5 MOBILITY - 3 Value: _ 8

1.5 Environmental Toxicity/Mobility

Substance	Non-human mammalian Acute Toxicity	Value	Mobility	Value 🐪
1 1 1 2 1 1 1 1	LCO MOUSE 110,000 mg LCSO MICE = 5200 8PM = 36,000 mg X X 2,212 LC50	3 5	4 3	2 R 6 8 —

io document was part of the of icial inhibitrative Record for the Yallima ailroad Area on October 31, 19<mark>96.</mark> Washington State Department of Ecology.

Environmental Toxicity Mobility Matrix:

Source: 4.6 Value: 8

1.6 Substance Quantity: REST PROFESSIONAL JUDG NENT BY SCORER, AREA OF SUMP ESTIMATED AT 7 FT?

Source: ____ Value: __

WORKSHEET 5 (CONTINUED) AIR ROUTE

Containm	ON POTENTIAL ent: SPILL IN SURSURFACE ONLY NO VAPOR RECOVERY	
Nearest S	opulation: <u>0. BUSINESS ONSITE SERI</u> ensitive Environment: <u>.75 MILE</u> WASHINGTON PARK	PAGE 13 Source:/_ Value:3
Population	n within 1/2 mile: <u>3 120</u>	PAGE 13 Source: 1 Value: 56
RELEASE	NONE DOCUMENTED	Source: Value:
	. i.	This document was part of the official
·		Administrative Researd for the official Railroad Area on October 31, 1996. Washington State Department of Ecology.

WORKSHEET 6 GROUND WATER ROUTE

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

1.2

1.3

2.02.1

2.22.32.4

3.03.13.23.33.4

4.0

	Oriniding Water Std.		Chronic Toxicit	,	. Acute Toxicky		Carcinogencity Potency		
Substance	tro/l	Value	mg/kg/day	Value	w@\rd-pm	Value	WOE		Value
a /ULUCIYU	1. X 2. 5 PMCL 3. 2000 PMCL 4. 700 PMCL 5. X 6. X	8 24	1. 18DORAL 2. 101 RID ORAL 3. 3 KID ORAL 4. 1 RIO ORAL 5. 8 6. OUH RID ORAL	1	1, 5800 LDs0 OPAL RAT 2, 800 LDs0 OPAL RAT 3,5000 LDs0 OPAL RAT 4,3500 LDs0 OPAL RAT 5,4306 LDs0 OPAL RAT 6,470 LDs0 OPAL RAT	— 57 mmm 57	XXooxX	.051 X X	economic Access Access Accessories Accessories
	<u></u>						Sou	urce: 4	, 5

NE BENZENE NE . ALENE	3,2000 PMCL 4,700 PMCL 5. X 6, X	4	33 RID ORAL 41 RID ORAL 5. X 6 OVER RIP DEAL	3	3,5000 LD50 0R1 4,3500 LD50 0R1 5,4306 LD50 0R1 6,490 LD50 0R	W RAT AL RAT	amen 5	XX	× ×	Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral Minera Mineral Mineral Mineral Mineral Mineral Mineral Mineral Mineral	
			·				High +2 Bonu	nest Va us Poin		5 8 0 8	
Mo Sul	bility 501.000 bstance: 1.1665	(LITY 1) 1,1503,51	ng/l 1541, 152 5 7200 1 4.2 5,2	6.30			Source	e: <u>4, 8</u>	Value	: _3_	
	bstance Quanti						Source	e:	Value	:	
Ext	olain basis: RE	ST PROPERTY	$ \begin{pmatrix} 1 & 4D^3 \\ 27 & FT^3 \end{pmatrix} $	<u> 15 . 8</u>	NT BY SCO	ગરફાર	•				
Co	GRATION POTE ntainment olain basis: (NATED SOLL	= U/	LUE OF 10.		Source	: 3_	Value:	_10	
Sul	t Precipitation: bsurface Hydra	ulic Con	ductivity: GREAT	ier thi	10 ⁻³ <u>cm</u>		Source Source Source	:	Value:	4	
TA	RGETS									_	
	ound Water Us							e: <u>/</u> 0		Service.	
Dis	tance to Neare	est Drinki	ng Water Well	WITH		page 7					-12
Po	pulation Served	d with 2 i	miles: <u>2245 P</u>	1084/c -	<u>† 57 Dø</u> M€\$716	generalization (A)		в: <u>9,10</u> 9			
Are	ea Irrigated by	Wells wit	hin 2 miles: _	4861 i	4.265 = 75 ·	15861	Source	e: <u>9</u>	value	: <u>7</u> [<u></u>
RE	LEASE										
	alaia basis. **\	KOU 11	Welle " Sous	015 Z	Page vi		Source	e: <u>3</u>	Value): <u> 5 </u>	

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Washington State Department of Ecology.

WORKSHEET 7 SOURCES USED IN SCORING

- 1. SITE HAZARD ASSESSMENT DATA COLLECTION SUMMARY SHEETS FOR WASHINGTON RANKING METHOD, SAIC, FEBRUARY, 1991,
- 2. DATA GAP IDENTIFICATION REPORT, SAIC, FEBRUARY, 1991.
- 3. SITE INSPECTION REPORT FOR NU-WAY CLEANERS, ECOLOGY AND ENVIRONMENT, JANUARY, 1992.
- 4. WASHINGTON DEPARTMENT OF HEALTH GUIDE TO PHYLCO-CHEMICAL, TOXICOLOGICAL AND REGULATORY VALUES FOR PRIORITY POLLUTANTS, MONA KIMBELL ET AL, DRAFT, JULY, 1990.
- 6. CONSOLIDATED EREIGHT WAYS SHA WORKSHEET, SAIC, 1990.
- 7. QUALITY CRITERIA FOR WATER, 1986, USEPA.
- 8. SUPERFUND PUBLIC HEALTH EVALUATION MANUAL, US EPA, 1986
- 9. RECORDED WATER RIGHTS OF THE DEPARTMENT OF ECOLOGY REGION4, 6/8/90.
- 10. STATE OF WASHINGTON PUBLIC WATER SUPPLY SYSTEM LISTING, 2/16/89.
- 11. WASHINGTON CLIMATE, COOPERATIVE EXTENSION SERVICE, WASHINGTON STATE UNIVERSITY.

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STATE OF WASHINGTON DEPARTMENT OF ECOLOGY TOXICS CLEANUP PROGRAM

SITE HAZARD ASSESSMENT DATA COLLECTION SUMMARY SHEETS FOR WASHINGTON RANKING METHOD

Name: Nu-Way Cleaners
Location: SM SEM SECTION 19 TI3N R 19E
Site owner/operator:
Address:Any other known PLP(s):
Address:
Site Number:
Date(s) of field site hazard assessment:
Samples or field measurements:soil surface water airground water
(Attach copies of pertinent sampling and analytical data, as well as all other supporting documentation.)
Photographs:
Weather:
Lead inspector:
Other inspectors:
Signature:

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Department of Ecology.

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>	Quantity	<u>Units</u>
1. Stoddard solvent-nonane	1000	gallyr
2trimethy/ benzene	**************************************	
3. Tretrachloroethylene		
4. Naphthalene	***	
5. 2-methy/naphthaleue		
6.		
7		
8		
9		
10		
Additional?(list on attachmen	t)	
By which routes are these available		
Number(from above) Surface Water		
1. <u>all</u>	<u> </u>	
<u> </u>		
⁵ •		
1		
5		
7		
3		
) .		
LO		

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B. SOURCES
Check those known or observed:
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:
C. INDICATORS 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: 750 gal UST for new Stoddard Solvent

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PART II: Releases

A. KNOWN OR	SUSPECTED RE	LEASES			
List those ha I.A. which ar	zardous subs e known or s	tances iduspected	dentific to have	ed (by e been	number) in released:
Substance (#)	Quantity R	eleased	<u>Units</u>	<u>When</u>	Location
Stoddard Solvent				1989	Drycleaning Room
					
		 .			
			· · · · · · · · · · · · · · · · · · ·	<i>y</i> -	
Additional information/r	eference? -	Se ST	bu E+	E Cencle	osect)
	· · · · · · · · · · · · · · · · · · ·				
B. SOURCES A	ND IMPACTS	((Pages A	A-9, 10))
List those ha II.A. and ide					number) in
Substance No.	Source	Impacts	/affect	ts To	<u>Area</u>
Stoddard Solvent	Drycleaning Nachine	to sump	and su	bsurface	
· · · · · · · · · · · · · · · · · · ·					

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III. Migration Potential

A. CON	TAINMENTLANDFILLS (SW-7; A-12; GW-8,9)
Pr	esent? How many?
Ch	eck 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
Addition comment	nal s:
	This document was part of the affini

В. (CONTAINMENTSURFACE IMPOUNDMENTS (SW-7, 8; A-13; GW-10,11)			
Prese	ent How many?			
Checl	k those 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)			
	cional ents:			
				

CONTAINMENT--DRUMS AND SMALL CONTAINERS (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 commen	onal uts:
• "	
,	This decrepant was

D.	CONTAINMENTSTORAGE TANKS (SW-9; A-11; GW-11)						
Pres	ent? /es How many?						
Chec	Check 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						
14.	Record the #s of above which apply only to below ground tanks						
15.	Record the #s of above which apply to both above and below ground tanks:						
	tional ents Exact information Concerning UST is unknown at this time						

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.	Waste pile is outside, with partial or unmaintained cover
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.
	tional ments
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CONTAINMENT--SPILLS, DISCHARGES, AND CONTAMINATED SOIL (SW-10, 11; A-13, 145; GW-13)

Check	those	that apply:				
1.	<u> </u>	_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 maintained run-on/runoff controls				
7.	<u> </u>	_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				
Additi commer		Carnot quantify amounts spilled over entire period of exercition.				
		This document was part of the official Administrative Record for the Yakima Railroad Area on Geleber 31, 1898. 10 Washington State Department of Ecology.				

G. CONTAINMENT--SITE CHARACTERISTICS (SW-11,12; A-6; Worksheet 5) How would you evaluate the site soils? Circle 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. 7.2 inches/yr (SW-12; W/S 5)What is the maximum 2-year, 24 hour 3. precipitation? 1.0 inches ((SW-14; W/S 5) 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? Basidon topo location What is the terrain slope to the nearest surface water? 5. (SW-14,15; W/S 5)What is the subsurface hydraulic conductivity? 6. cm/sec (GW-14; W/S 6) What is the vertical depth from the deepest point of 7. known contamination to ground water? 20 feet

Additional comments:

(GW-15; W/S 7)

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Washington State Department of Ecology.

IV.	Targets			
Α.	DISTANCE TO SUR	RFACE WATER (SW-16)	
1.	etc.) is/are site?	within 10,000	feet (downg	ver, pond, bay, radient) of the
	Name	Distft.	Obs.	Meas.
	· · · · · · · · · · · · · · · · · · ·			-

None	e?Co	mments		
2. Nor				2 miles of the downstream only)
Sou	ırce	Location		Pop. Served
<u></u>				
		4		
3.		ge (anywhere) i (downstream onl of the site?	ly) or well	s(anywhere)
None	?			
SURF	FACE WATER: Acr	es	(1600 ac	res max.)
Sour	ce(s)			;

(4500 acres max.)

GROUNDWATER: Acres_____

Source(s)_____

(total of <u>overland</u> distance plus <u>downgradient</u> distance)? (SW-17; W/S 5)
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) Washington Park 3/4 mile No.
Over 10,000 feet? Distance if less than 10,000 feet?ft.
6. Is the aquifer a federally-designated sole source aquifer? <u>NO</u> (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
8. 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? <u>feet</u> (A-15, 16; W/S 6)
12. Population within one-half mile radius? 3,120 (A-16; W/S 6)
Additional comments:
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