

CSID 1319

NFA

WORKSHEET 1
SUMMARY SCORE SHEET
SOIL PATHWAY

Site Name/Location (Street, City, County, Section/Township/Range).
Spokane Custom Wood Treating NW1/4 SW1/4 Section 16, Township 25, Range 43.
724 N. Perry
Spokane Wa. 99202

Site Description (Include management areas, substances of concern, and quantities):
Spokane Custom Wood Treating (SCWT) is a lumber preservative applicator currently owned by Layrite Products of Spokane. On July 11, 1991 a dangerous waste compliance inspection was performed in accordance with the Washington State Dangerous Waste Regulations Chapter 173-303. During this inspection soil contamination was observed and a sample was taken at one location by a "soaking tank" located along the eastern boundary of the property. The inspection report stated that soil sample test results indicate that the area is contaminated with diesel and pentachlorophenol. Spokane Custom Wood Treating discontinued the use of pentachlorophenol around 1989 and currently uses a 1% solution of copper naphthenate in diesel for wood preserver.

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):

To date, all available records and correspondence pertaining to this site and the associated contamination do not display sufficient information pertaining to extent of contamination, remedial action, or mitigation to warrant a no further action (NFA) decision.

A response letter dated July 14, 1992 to WDOE by SCWT regarding contaminated soil stated that cover soils (5/8 minus gravel) were placed over site of contamination after partial remediation.

A lab report submitted to WDOE from SCWT dated July 14 1992 revealed PCP results ranging as high as 30 ppm at a 50 to 1 dilution (est. 1500ppm). Diesel contamination levels have not been verified. However, A site visit conducted on August 23, 1995 for site hazard assessment revealed evidence of heavily stained soils surrounding the pressure vessel. This contamination is currently protected from surface runoff by building enclosure. Scores will be based on contaminants which were detected at concentrations exceeding MTCA clean up levels in subsurface soil.

ROUTE SCORES:

Surface Water/Human Health:	NA	Surface Water/Environ.:	NA
Air/Human Health:	NA	Air/Environmental:	NA
Ground Water/Human Health:	50.7		

OVERALL RANK: 3

Rev. 3/10/93

WORKSHEET 2
ROUTE DOCUMENTATION

1. SURFACE WATER ROUTE Not Applicable.

List those substances to be considered for scoring: Source: _____

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

List those management units to be considered for scoring: Source: _____

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

2. AIR ROUTE Not Applicable.

List those substances to be considered for scoring: Source: _____

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

List those management units to be considered for scoring: Source: _____

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

WORKSHEET 2 (CONTINUED)
ROUTE DOCUMENTATION

3. GROUND WATER ROUTE

List those substances to be considered for scoring:

Source: 1 & 2

PENTACHLOROPHENOL
DIESEL

Explain basis for choice of substance(s) to be used in scoring.
Contaminants exceed MTCA method A clean up levels in soil.
(see Special Considerations on page one)

List those management units to be considered for scoring: Source: 1 & 2
Contaminated subsurface soil. Ground water only.

Explain basis for choice of unit to be used in scoring.
Contaminants confirmed during a dangerous waste compliance inspection July 11, 1991.
A response letter to WDOH by SCWT stated that cover soils (5/8 minus gravel) were placed over site of contamination after partial remediation. In addition, heavily stained soils observed at the pressure vessel during the site hazard assessment visit are protected from surface runoff by building enclosure. Scores will be based on contaminants which were detected at concentrations exceeding MTCA clean up levels in subsurface soil.

WORKSHEET 6 GROUND WATER ROUTE

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

Substance	Drinking Water Standard		Acute Toxicity		Chronic Toxicity		Carcinogenicity		
	(ug/l)	Val.	(mg/kg-bw)	Val.	(mg/kg/day)	Val.	WOE	PF*	Val.
1. PENTACHLOROPHENOL	.1	10	**	**	0.03	1	B-2	1.2	4
2. TPH-Diesel	20	6	490	5	0.004	3	**	**	ND
3.									
4.									
5.									
6.									

*Potency Factor

Source: 3
Highest Value: 10
+2 Bonus Points? 2
Final Toxicity Value: 12

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

Cations/Anions: 1= ; 2= ; 3= ; 4= ; 5= ; 6= ; Source: 3 Value: 1

OR
Solubility(mg/l): 1=1.4E+01; 2=3.0E+1

1.3 Substance Quantity

Explain basis: UNKNOWN
Limited assessment, extent of contamination was
not confirmed

Source: 1 & 2 Value: 1

2.0 MIGRATION POTENTIAL

2.1 Containment

Explain basis: Spills, discharges, and contaminated soils

Source: 4 Value: 10

2.2 Net Precipitation: 7.2 inches

Source: 5 Value: 1

2.3 Subsurface Hydraulic Conductivity: >10 -3

Source: 6 Value: 4

2.4 Vertical Depth to Ground Water: 60 feet

Source: 7 Value: 4

WORKSHEET 6 (CONTINUED)
GROUND WATER ROUTE

3.0 TARGETS

- 3.1 Ground Water Usage: FED-DESIGNATED SOLE SOURCE Source: 8 Value: 10
(Max. =10)
- 3.2 Distance to Nearest Drinking Water Well: 5500 ft Source: 9 Value: 1
(Max. =5)
- 3.3 Population Served within 2 Miles: $\sqrt{\text{pop.}} = \sqrt{*}$ =>100 Source: 7 & 9 Value: 100
(Max. =100)
- 3.4 Area Irrigated by (Groundwater) Wells
within 2 miles: 0.75/acre=300 Source: 10 Value: 13
0.75/ =0.75 (17)= 13
(Max. =50)
- 4.0 **RELEASE**
Explain basis for scoring a release to ground water: NONE Source: 4 Value: 0
(Max. =5)

SOURCES USED IN SCORING

1. INSPECTION REPORT, CEI, EPA Region X TCLP June 12, 1991
WASHINGTON STATE DEPARTMENT OF ECOLOGY SOLID AND HAZARDOUS WASTE PROGRAM
2. REPORT LETTER from SPOKANE CUSTOM WOOD TREATING TO WDOE July 14, 1992
3. TOXICOLOGY DATABASE WARM
4. WARM Scoring Manual
5. Washington Climate, Spokane Co. WSU Dept. of Agriculture
6. Soil Survey of Spokane Co. Washington, USDA Soil Conservation Svc.
7. Washington Department of Ecology, Well Logs.
8. Aquifer Sensitive Area Overlay Zone Map, Spokane Co. Washington
9. Washington Dept. of Health Drinking Water Information Network
10. WRIS Washington Department of Ecology

