WORKSHEET 1
SUMMARY SCORE SHEET

Site Name: Sagetree Electric

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

City: Kennewick; County: Benton; S/T/R: SW SE 34 R29E T9N

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

The Sagetree Electric is owned by Mr. Gerald Dougherty and is located in Kennewick, Washington. According to information in the file and Mr. Dougherty, a previous tenant stored drums containing oil onsite. The previous tenant also cut a 55-gallon drum and buried it flush in the ground. The buried drum was used for disposing of solvents and used oil. Out of concern Mr. Dougherty contacted Ecology for assistance in locating the previous tenant and cleaning up the site. Mr. Dougherty was then informed of MTCA regulations. Mr. Dougherty took it upon himself to contact the previous tenant who came back, hauled off the drums containing oil removed the buried drum and excavated two pickup loads of soil surrounding the buried drum. Unfortunately, no confirmation samples were taken to verify that all contaminated soil was excavated. Compounds of concern for this site include TPH-gas and BTEX. The quantity of solvents, oil or gasoline that was spilled during the time the tenant occupied Mr. Dougherty's property is unknown.
During Ecology's initial investigation, it was noticed that sandblasting material was present in an area adjacent to the site of the previous tenant. The company performing sandblasting services is called "Cannon Sline" and is also a tenant of Mr. Dougherty. According to Mr. Steve Norton of Cannon Sline, many different kinds of raw sandblasting material are used. Spent sandblasting material is either disposed of at the site where sandblasting is performed, or sampled by Cannon Sline for TCLP metals and disposed of in a landfill (if data meets acceptable limits). Only unused quantities of raw sandblasting material are stored onsite (approximately 25 100-pound bags). Sandblasting material is used to test equipment onsite although no sandblasting is actually performed onsite. During the Site Hazard Assessment, raw sandblasting material was observed on the ground at the site (see photos). Mr. Steve Norton indicated that the material is spilled during transfer of unusual material. Cannon Sline has occupied the site for approximately eight years. MSDSs of the raw sandblasting material were provided.

Special Considerations: (Include limitations in site file data, data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site)

Although, there was data in the file for a UST that had been previously removed, no data are present for the drum storage site, the buried drum site, or the sandblasting storage site. Because appropriate data are not available at this time and documentation of the site cleanup is inadequate, scoring cannot be performed at this time. It is recommended that sampling be performed at this site to assess the extent of contamination. It is recommended that soil samples be collected at three locations in the previous drum storage and buried drum site (see photos and drawing). These samples should be analyzed for TPH and BTEX. Three soil samples should also be collected at the sandblasting storage site and analyzed for TCLP metals (see photos and drawing). Using this data, this site could be adequately ranked using the WARM model. For additional detail, please refer to the "Recommended Further Action" memo dated May 1995. (See attached Sampling package)

ROUTE SCORES:

Surface Water/Human Health:	NS	Surface Water/Environ.:	NS
Air/Human Health:	NS	Air/Environmental:	NS
Ground Water/Human Health:	47.8		

WORKSHEET 2
ROUTE DOCUMENTATION

1. SURFACE WATER ROUTE

List those substances to be considered for scoring: Source: 1

Not applicable to site/not scored.

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

List those management units to be considered for scoring: Source: N/A

Explain basis for choice of unit to be used in scoring. Source: N/A

2. AIR ROUTE

List those substances to be considered for scoring: Source: 1

Not applicable to site/not scored.

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

List those management units to be considered for scoring: Source: N/A

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

3. GROUND WATER ROUTE

List those substances to be considered for scoring: Source: 1-3

Tetrachloroethene, ethylbenzene, TPH-diesel and xylenes.

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

All of the above substances will be used as their documented concentrations in on-site soil samples all exceeded their respective MTCA cleanup levels.

List those management units to be considered for scoring: Source: 1-3

Contaminated soil.

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

Tetrachloroethene, ethylbenzene, TPH-diesel and xylenes all had documented concentrations in on-site soil samples exceeding their respective MTCA cleanup levels.

WORKSHEET 6
GROUND WATER ROUTE

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

Substance	Drinking Water Standard (ug/l)	Val.	Acute Toxicity (mg/kg-bw)	Val.	Chronic Toxicity (mg/kg/day)	Val.	Carcinogenicity WOE	PF*	Val.
1. Tetrachloroethene	5	8	800	5	0.01	3	B2	.051	4
2. Ethylbenzene	700	4	3500	3	0.1	1	D	X	-
3. TPH-Diesel		6		3		5	ND	-	-
4. Xylenes	10,000	2	50	10	2	1	D	X	-

*Potency Factor

Source: 3,4
Highest Value: 10 (Max.=10)

+2 Bonus Points? 2
Final Toxicity Value: 12 (Max.=12)

1.2 Mobility (Use numbers to refer to above listed substances)
Cations/Anions: 1= 1.5E+02 = 2; 2= 1.5E+02 = 2 ; 3 = 3.0E+01 = 1; 4 = 2.0E+02 = 2. Source: 3,5 Value: 2 (Max.=3)

OR
Solubility(mg/l): 1= ; 2= ; 3= ; 4= ; 5= ; 6= .

1.3 Substance Quantity: Unknown - use default value Source: 1,2 Value: 1 (Max.=10)
Explain basis: of 1.

2.0 MIGRATION POTENTIAL

2.1 Containment Source: 1,2 Value: 10 (Max.=10)
Explain basis: Spills/discharges/contaminated soil always = 10.

2.2 Net Precipitation: 1.6 inches Source: 1 Value: 1 (Max.=5)

2.3 Subsurface Hydraulic Conductivity: Silty loam Source: 1 Value: 3 (Max.=4)

2.4 Vertical Depth to Ground Water: 150 feet Source: 1 Value: 3 (Max.=8)

WORKSHEET 6 (CONTINUED)
GROUND WATER ROUTE

3.0 **TARGETS**

3.1 Ground Water Usage: Priv./pub. with alternates — Source: 6 — **Value:** 4 (Max.=10)

3.2 Distance to Nearest Drinking Water Well: 7200 feet — Source: 6 — **Value:** 1 (Max.=5)

3.3 Population Served within 2 Miles: √pop.=√31,163 = 176 = 100 (max.) — Source: 6 — **Value:** 100 (Max.=100)

3.4 Area Irrigated by (Groundwater) Wells within 2 miles: 0.75√no.acres= 0.75√282 =0.75(16.8)= 12.6 — Source: 7 — **Value:** 13 (Max.=50)

4.0 **RELEASE**

Explain basis for scoring a release to ground water: No analytical data showing contaminated groundwater. — Source: 1,3 — **Value:** 0 (Max.=5)

SOURCES USED IN SCORING

1. Site Hazard Data Collection Summary Sheets for Sagetree Electric site hazard assessment by SAIC.
2. Notes from sampling efforts at Sagetree Electric, 06.22/95.
3. Laucks analytical package for sampling at site on 06/22/95.
4. Washington Department of Ecology, Toxicology Database for Use in Washington Ranking Method Scoring, January 1992.
5. Washington Department of Ecology, WARM Scoring Manual, April 1992.
6. DOH Public Water Supply System Listing.
7. Ecology Water Rights Information System (WRIS).