02-8902-23-PA
Rev. No. 0
Woodbine Products, Inc

Key
O = HRS Score
☐ = PRO Score

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	(0) [45]	1	0	45	45
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					
Depth to Aquifer of Concern	0 1 2 [(3)]	2	6	6	6
Net Precipitation	0 1 [(2)] 3	1	2	3	2
Permeability of the Unsaturated Zone	0 1 2 [(3)]	1	3	3	3
Physical State	0 1 2 [(3)]	1	3	3	3
Total Route Characteristics Score			14	15	14
3 Containment	0 1 2 [(3)]	1	3	3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 [(18)]	1	18	18	18
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 [8]	1	1	8	1
Total Waste Characteristics Score			19	26	26
5 Targets					
Ground Water Use	0 1 2 [3]	3	9	9	9
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 (20) / 24 [30] 32 35 40	1	20	40	30
Total Targets Score			29	49	37
6 If line 1 is 45, multiply 1 x 4 x 5; If line 1 is 0, multiply 2 x 3 x 4 x 5			23142	57,330	45630
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	40.37		79.59

380625

Key
☐ = PRO score

02-8702-23-PA
Rev. No. 1
Woodline Products, Inc

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1		45	
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					
Facility Slope and Intervening Terrain	0 1 2 3	1		3	0
1-yr. 24-hr. Rainfall	0 1 2 3	1		3	2
Distance to Nearest Surface Water	0 1 2 3	2		6	2
Physical State	0 1 2 3	1		3	3
Total Route Characteristics Score				15	7
3 Containment	0 1 2 3	1		3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1		18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	2
Total Waste Characteristics Score				26	26
5 Targets					
Surface Water Use	0 1 2 3	3		9	6
Distance to a Sensitive Environment	0 1 2 3	2		6	0
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1		40	0
Total Targets Score				55	6
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5				64,350	3276
7 Divide line 6 by 64,350 and multiply by 100	S_{sw} =		0 *		5.09

* The HRS score is zero because there may be no possible surface water migration route.

02-8902-23-PA
Rev. No. 0
Inadell Inc Products, Inc

HRS

	S	S^2
Groundwater Route Score (S_{gw})	40.37	1627.74
Surface Water Route Score (S_{sw})	0.00	0.00
Air Route Score (S_a)	0.00	0.00
$S_{gw}^2 + S_{sw}^2 + S_a^2$		1627.74
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		40.37
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		23.34

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	79.59	6334.57
Surface Water Route Score (S_{sw})	5.09	25.09
Air Route Score (S_a)	0.00	0.00
$S_{gw}^2 + S_{sw}^2 + S_a^2$		6360.48
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		79.75
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		46.10

WORKSHEET FOR COMPUTING S_M

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Woodline Products, Inc

Key
O = HRS Score
□ = PRO Score

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	(0) [45]	1	0	45	45
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					
Depth to Aquifer of Concern	0 1 2 [(3)]	2	6	6	6
Net Precipitation	0 1 [(2)] 3	1	2	3	2
Permeability of the Unsaturated Zone	0 1 2 [(3)]	1	3	3	3
Physical State	0 1 2 [(3)]	1	3	3	3
Total Route Characteristics Score			14	15	14
3 Containment	0 1 2 [(3)]	1	3	3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 [(18)]	1	18	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 [(8)]	1	8	8	8
Total Waste Characteristics Score			26	26	26
5 Targets					
Ground Water Use	0 1 2 [(3)]	3	9	9	9
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 (20) / 24 [30] 32 35 40	1	20	40	30
Total Targets Score			29	49	39
6 If line 1 is 45, multiply 1 x 4 x 5; If line 1 is 0, multiply 2 x 3 x 4 x 5			23142	57,330	45630
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	40.37		79.57

Vess

☐ = PRO score

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Woodline Products, Inc

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1		45	
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					
Facility Slope and Intervening Terrain	0 1 2 3	1		3	0
1-yr. 24-hr. Rainfall	0 1 2 3	1		3	2
Distance to Nearest Surface Water	0 1 2 3	2		6	2
Physical State	0 1 2 3	1		3	3
Total Route Characteristics Score				15	7
3 Containment	0 1 2 3	1		3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1		18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	2
Total Waste Characteristics Score				26	26
5 Targets					
Surface Water Use	0 1 2 3	3		9	6
Distance to a Sensitive Environment	0 1 2 3	2		6	0
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 / 12 16 18 20 / 24 30 32 35 40	1		40	0
Total Targets Score				55	6
6 If line 1 is 45, multiply 1 x 4 x 5; If line 1 is 0, multiply 2 x 3 x 4 x 5				64,350	3276
7 Divide line 6 by 64,350 and multiply by 100	S_{sw} =			0*	5.09

* The HRS score is zero because there may be no possible surface water migration route.

02-29 02-23-PA
Rev. No. 0
Hartline Products, Inc

HRS

	S	S^2
Groundwater Route Score (S_{gw})	40.37	1627.74
Surface Water Route Score (S_{sw})	0.00	0.00
Air Route Score (S_a)	0.00	0.00
$S_{gw}^2 + S_{sw}^2 + S_a^2$		1627.74
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		40.37
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		23.34

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	79.57	6334.57
Surface Water Route Score (S_{sw})	5.09	25.09
Air Route Score (S_a)	0.00	0.00
$S_{gw}^2 + S_{sw}^2 + S_a^2$		6360.48
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		79.75
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		46.10

WORKSHEET FOR COMPUTING S_M