Campbell Soup Company (Market St.)
02-8901-04

164719

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	0	45	0
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	4	6	4
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			12	15	12
3 Containment	0 1 2 3	1	1	3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1	12	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8	1
Total Waste Characteristics Score			13	28	19
5 Targets					
Ground Water Use	0 1 2 3	3	6	9	9
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 20 / 24 30 32 35 40	1	35	40	40
Total Targets Score			41	49	49
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			6396	57,330	33516
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	11.16		58.46

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Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multi-plier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	0	45	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	0	3	0
1-yr. 24-hr. Rainfall	0 1 2 3	1	2	3	2
Distance to Nearest Surface Water	0 1 2 3	2	6	6	6
Physical State	0 1 2 3	1	3	3	3
Total Route Characteristics Score			11	15	11
3 Containment	0 1 2 3	1	1	3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1	12	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8	1
Total Waste Characteristics Score			13	26	19
5 Targets					
Surface Water Use	0 1 2 3	3	6	9	6
Distance to a Sensitive Environment	0 1 2 3	2	0	6	0
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 / 12 16 18 20 / 24 30 32 35 40	1	0	40	0
Total Targets Score			6	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			858	64,350	5130
7 Divide line 6 by 64,350 and multiply by 100		S_{sw} =	1.33		7.97

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HRS

	S	S^2
Groundwater Route Score (S_{gw})	11.16	124.55
Surface Water Route Score (S_{sw})	1.33	1.77
Air Route Score (S_a)	—	—
$S_{gw}^2 + S_{sw}^2 + S_a^2$		126.32
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		11.24
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		6.50

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	58.46	3417.57
Surface Water Route Score (S_{sw})	7.97	63.52
Air Route Score (S_a)	—	—
$S_{gw}^2 + S_{sw}^2 + S_a^2$		3481.09
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		59.00
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		34.10

WORKSHEET FOR COMPUTING S_M