PA REASSESSMENT COVER SHEET

FACILITY NAME : Suffolk Airport C+D

EPA I.D. # : NYD 981186943

ORIGINAL PRIORITY : Low

REVIEWED BY :

REASSESSED PRIORITY : Medium

COMMENTS : Oil cans, solvent containers + empty 55 gal drums on site.

Munitions possibly buried on site

3 G.W wells downgradient → 2 butanone, Carbon disulfide, methylcyclopentane + others - No Updgradient source

Large GW drinking population - further investigation necessary.

PREPARER : Ben Cometta DATE : 12/14/88

362344

Ground Water Route Work Sheet

Rating Factor	Assigned Value	Mult.	HRS	Max	PRO
1 Observed Release	0 45	1			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	
Net Precipitation	0 1 2 3	1		3	
Permeability of the Unsaturated Zone	0 1 2 3	1		3	
Physical State	0 1 2 3	1		3	
Total Route Characteristic Score				15	
3 Containment	0 1 2 3	1		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	1
Total Waste Characterization Score				26	
5 Targets					
Ground Water Use	0 1 2 3	3		9	9
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1		40	35
Total Target Score				49	44
6 If line 1 is 45, multiply 1 x 4 x5 If line 1 is 0, multiply 2 x 3 x 4 x 5				57330	37620
7 Divide line 6 by 57,330 and multiply by 100 Sgw=					65.62

Surface Water Route Work Sheet

Rating Factor	Assigned Value	Mult.	HRS	Max	PRO
Observed Release	0 45	1			
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					
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	4
Physical State	0 1 2 (3)	1		3	3
Total Route Characteristic Score				15	9
Containment	0 1 2 3	1		3	3
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	1
Total Waste Characterization Score				26	19
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 Target Score				55	6
f line 1 is 45, multiply 1 x 4 x5 f line 1 is 0, multiply 2 x 3 x 4 x 5				64350	3078
Divide line 6 by 64,350 and multiply by 100 Ssw=					4.78

PRO	S	S^2
Groundwater Route Score (Sgw)	65.62	4305.98
Surface Water Route Score (Ssw)	4.78	22.85
Air Route Score (Sa)		

$S^2gw + S^2sw + S^2a$	4328.83	
$\sqrt{S^2gw + S^2sw + S^2a}$	65.794	
$S^2gw + S^2sw + S^2a$ / 1.73 = Sm=	38.03	

WORKSHEET FOR COMPUTING Sm *

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