Ground Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 (45)	1	45	45	3.1	
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.						
2 Route Characteristics					3.2	
Depth to Aquifer of Concern	0 1 2 3	2		8		
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 Characteristics Score				15		
3 Containment	0 1 2 3	1		3	3.3	
4 Waste Characteristics					3.4	
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	2	8		
Total Waste Characteristics Score			20	26		
5 Targets					3.5	
Ground Water Use	0 1 (2) 3	3	6	9		
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 (20) / 24 30 32 35 40	1	20	40		
Total Targets Score			26	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			23,400	57,330		
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} = 40.82				

FIGURE 2
GROUND WATER ROUTE WORK SHEET

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	0 (45)	1	45	45	4.1
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					4.2
Facility Slope and Intervening Terrain	0 1 2 3	1		3	
1-yr. 24-hr. Rainfall	0 1 2 3	1		3	
Distance to Nearest Surface Water	0 1 2 3	2		6	
Physical State	0 1 2 3	1		3	
Total Route Characteristics Score				15	
3 Containment	0 1 2 3	1		3	4.3
4 Waste Characteristics					4.4
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	2	8	
Total Waste Characteristics Score			20	26	
5 Targets					4.5
Surface Water Use	(0) 1 2 3	3	0	9	
Distance to a Sensitive Environment	0 1 (2) 3	2	4	6	
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Targets Score			4	55	
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.			3,600	64,350	
7 Divide line 6 by 64,350 and multiply by 100			S_{sw} = 5.59		

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S_a = 0. Enter on line 5. If line 1 is 45, then proceed to line 2.					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3				35,100	
5 Divide line 4 by 35,100 and multiply by 100		S_a = 0			

FIGURE 9
AIR ROUTE WORK SHEET

BILLING CODE 6560-50-C

	S	S^2
Groundwater Route Score (S_{gw})	40.82	1666.27
Surface Water Route Score (S_{sw})	5.59	31.25
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		1697.52
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		41.20
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		23.82

FIGURE 10
WORKSHEET FOR COMPUTING S_M

TO: Arthur Ospelt

FROM: Lawrence Galvin

SUBJECT: PAS Barrels

DATE: January 26, 1984

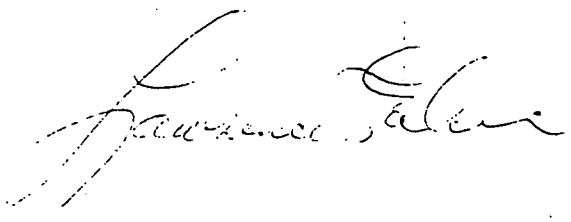
1. During 1974, PAS was allowed to dispose of barrels containing residues of waste products into the Volney Landfill. This activity was permitted by the DEC.

2. The barrels were incorporated into the normal fill area with the rest of the daily waste materials, compacted and buried using a landfill compactor, bulldozer, and track loader.

3. On occasion, some barrels were identified as containing liquid waste and were refused acceptance at the Landfill. The hauler in these instances was instructed to return the barrels to the PAS site.

4. Occasionally, barrels off-loaded into the fill area were crushed and it was evident that the barrel contained liquid waste. Due to the frequency of this occurring, to the knowledge of the undersigned, it is estimated that perhaps 50 to 200 barrels containing a liquid residue may have been deposited into the Landfill site by PAS representatives.

5. In response to this frequency of dumping barrels containing liquid waste into the Landfill, PAS was refused in November, 1974 to dispose of any more barrels at the Volney Landfill.



File on eDOCs X Yes _____ No
Site Name PAS
Site No. 738001
County Oswego
Town Oswego
Foilable X Yes _____
File Name 1984-01-26a GW Routing work sheet
Scanned & eDOC _____