DECLASSIFIED
5/9/14 JL
Date: Initials:

Enclosure II

CONFIDENTIAL

HRS COVER SHEET

FACILITY NAME: Airtron Division, Litton Industries, Inc.

EPA I.D. #: NJD030239412

ORIGINAL PRIORITY: Low

REVIEWED BY: Deborah Mazur - NJDEP
S.D. Henry - EPA

REASSESSED PRIORITY: Medium

REVIEWED BY: Carol DiGuardia

COMMENTS: This site has been given a medium priority because of contamination found in the ground water beneath the site. There is also a possibility of contamination reaching surface water intakes in the Whippany River. This site should be referred to the NJ Division of Water Resources, Bureau of Groundwater Discharge since they are currently in the Public Notice Stage of granting Airtron a permit to pump and treat groundwater

PREPARER: Carol A. Di Guardia DATE: 2/16/89

265953

Airtron Div, Litton Industries

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HRS

	S	S^2
Groundwater Route Score (S_{gw})	21.66	469.16
Surface Water Route Score (S_{sw})	2.90	8.41
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		477.57
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		21.85
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		12.63

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	70.41	4957.57
Surface Water Route Score (S_{sw})	45.03	2027.70
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		6985.27
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		83.58
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		48.31

WORKSHEET FOR COMPUTING S_M

Airtron Div., Litton Industries

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Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multi-plier	HRS (Circle)	Max. Score	PRO (Triangle)
1 Observed Release	0 45	1	45	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	
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	
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	5	8	5
Total Waste Characteristics Score			23	26	23
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	6	40	30
Total Targets Score			12	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			12420	57,330	49365
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	26.66		70.41

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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		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	3
1-yr. 24-hr. Rainfall	0 1 2 3	1	2	3	2
Distance to Nearest Surface Water	0 1 2 3	2	4	6	4
Physical State	0 1 2 3	1	3	3	3
	Total Route Characteristics Score		9	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	18	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	5	8	5
	Total Waste Characteristics Score		23	26	23
5 Targets					
Surface Water Use	0 1 2 3	3	9	9	9
Distance to a Sensitive Environment	0 1 2 3	2	0	6	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	20
	Total Targets Score		9	55	35
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			1863	64,350	28,980
7 Divide line 6 by 64,350 and multiply by 100		S_{sw} =	2.90		45.03

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Air Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	5.1	0
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				

HRS

PRO

FIGURE 9
AIR ROUTE WORK SHEET

RECORD OF COMMUNICATION	☒ PHONE CALL ☐ DISCUSSION ☐ FIELD TRIP ☐ CONFERENCE ☐ OTHER (SPECIFY) (Record of item checked above)	
TO: Ward Ingersoll Bureau of GW Discharge	FROM: Carol DiGuardia	DATE 2/16/89 TIME 2:15

SUBJECT: Airtron Division, Litton Industries, Inc. - Morris Plains, NJ

SUMMARY OF COMMUNICATION

- Asked Ward the status of NJ Enforcement Activities:

- Public Notice Stage - was up at the end of December got comments from Airtron - after they review the comments they will give Airtron a permit to clean up GW → Airtron will have to install a recovery system. → this will include order to clean up

- In the meantime they will have Airtron apply for an air permit for the discharge from Mennen's production well (currently Mennen withdraws production water & it devolatilizes - a pseudo-clean-up system)

- To the best of his knowledge Airtron removed all the contaminated soil from the former lagoons

- Latest sampling: Monitoring Well 2: 1500 ppb of TCE } wells about 60 ft deep
  " " 3 3200 ppb of TCE }
  USGS Well ≈ 9000 ppb

- In his opinion the State is handling remedial action at the site → they will have company clean up GW

CONCLUSIONS, ACTION TAKEN OR REQUIRED

- ~~will score site & probably NFRAP it, due to State activity at the site~~

- will give site a medium priority but mention that site is being worked on by the state - FIT shouldn't do SI

INFORMATION COPIES
TO: File

EPA Form 1300-6 (7-72) REPLACES EPA HQ FORM 5300-3 WHICH MAY BE USED UNTIL SUPPLY IS EXHAUSTED.