Enclosure II

162320

DECLASSIFIED

Date: 6/17/15 Initials: JL

CONFIDENTIAL

HRS COVER SHEET

FACILITY NAME: Browning Ferris Industries

EPA I.D. #: NJD058117979

ORIGINAL PRIORITY: low

REVIEWED BY: Marilyn Hayes

REASSESSED PRIORITY: NFRAP

REVIEWED BY: Sharon Stettz

COMMENTS:

PREPARER: Sharon E Stettz

DATE: 2/17/89

CONFIDENTIAL: NOT FOR RELEASE

PRO-O

Ground Water Routs Work Sneet					
Rating Factor	Assigned value (Circle One)	Multi-plier	HRS	Max. Score	'PRO
1 Observed Release	0 45	1		45	0
If ooserved release is given a score of 45, proceed to line 4. It ooserved release is given a score or 0, proceed to line 2.					
2 Route Characteristics					
Deptn to Aquifer of Concern	0 1 2 3	2		6	6
Net Precipitation	0 1 2 3	1		3	2
Permeability of the Unsaturated Zone	0 1 2 3	1		3	3
Physical State	0 1 2 2	1		3	3
	Total Route Charactensties Score			15	14
3 Containment	0 1 2 3	1		3	3
4 Wasto Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1		18	18
Hazardous Waste Quantity	0 1 2 3 4 5 9 7 8	1		8	3
	Total Waste Charactertatics Score			26	21
5 Targets					
Ground Water Use	0 1 2 3	3		9	3
Distance to Nearest Well/Poputation Served	0 4 6 8 10 / 12 16 18 20 / 24 30 32 35 40	1		40	0
	Total Targets Score			49	3
6 If hne 1 is 45, multiply 1 e 4 x 5 / If line 1 is 0, multiply 2 x 1 x 3 x 5				57:330	2646
7 Divide line 6 by 57.330 and multiply By 100		S_{gw} =			4.62

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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	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	
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 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	3
Total Waste Characteristics Score				28	21
5 Targets					
Surface Water Use	0 1 2 3	3		9	6
Distance to a Sensitive Environment	0 1 2 3	2		9	6
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	12
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	11340
7 Divide line 6 by 64,350 and multiply by 100	S_{sw} =				17.62

Air Route Work Sheet						PRD
Rating Factor	Assigned Value (Circle One)		Multiplier	Score	Max. Score	Net. (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						8.2
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						8.3
Population Within 4-Mile Radius	0 9 12 19 18 21 24 27 30		1		30	
Distance to Sensitive Environment	0 1 2 3		2		6	
Land Use	0 1 2 2		1		6	
	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

HRS

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

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	4.62	21.34
Surface Watar Route Score (S_{sw})	17.62	310.46
Air Routo Scora (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		331.8
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		18.22
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		10.53

WORKSHEET FOR COMPUTING S_M